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Vol. XXX, 1910, Embracing the 26 Issues from July 2 to December 31, 1910, inclusive

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3½ ft. x 9/16 in.
3 ft. x 1/2 in.
2½ ft. x 7/16 in.
2 ft. x 3/8 in.
1½ ft. x 5/16 in.

Cold Storage Lily of the Valley Pips	$15.00 per 1000
Thompson's Special Chrysanthemum Manure	$8.00 per bag of 56 lbs.
Rustic Hanging Baskets	14-inch, $1.50 each $16.00 per doz.
Clay's Fertilizer	$3.25 per bag of 56 lbs.
Sheep Manure	100 lbs. $1.50. Ton, $24 00
Scotch Soot	$3.50 per bag of 100 lbs.
Bamboo Canes	6-8 feet $7.00 per 1000
Tobacco Dust	$2.00 per 100 lbs.
Nitrate of Soda	$4.00 per 100 lb. bag
Rubber Hose	4 ply $9.00 per 100 feet

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

BODDINGTON'S QUALITY
Christmas-Flowering Sweet Peas
FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird (Pure White)	$0.20	$0.75	$1.25	$2.00
Boddington's Christmas Pink	.10	.40	.75	1.00
Boddington's Christmas White	.15	.50	.85	1.50
Mrs. E. Wild (Carmine)	.15	.50	.85	1.50
Mrs. Geo. Lewis (White-waved)	.15	.50	.85	1.50

New crop of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

CALLAS

Free from disease, carefully selected, sand grown bulbs.

We have the best lot of Callas grown in California this year

Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California

Please mention the Exchange when writing.

PANSY
Famous Strains of Mammoth Mixed Pansies

S. & W. Co.'s Non Plus Ultra

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these Pansies a most brilliant appearance, the seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed, per trade pkt., 25c.; per ¼ oz., $1.50; per oz., $5.00.



Pansy—World's Best Mixture

World's Best Mixture

This mixture is the result of careful selection, from the very largest and finest Pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per trade pkt., 50c.; per 1000 seeds, $1.25; per 5000 seeds, $5.00.

Very Large Flowering Varieties

These are remarkably large Pansies, which, for size of flowers and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

	Tr. pkt.	¼ oz.	Oz.
S. & W. Co.'s Giant Purple Violet	$0.20	$0.50	$1.50
S. & W. Co.'s Giant Adonis, light blue	.25	.75	2.50
S. & W. Co.'s Giant Pure Yellow	.20	1.25	4.00
S. & W. Co.'s Giant Azure Blue	.20	.75	2.00
S. & W. Co.'s Giant Emperor William	.20	.75	2.50
S. & W. Co.'s Giant Fire King	.20	1.25	4.00
S. & W. Co.'s Giant King of the Blacks	$0.20	$0.75	$2.00
S. & W. Co.'s Giant Lord Beaconsfield	.20	.75	2.50
S. & W. Co.'s Giant Snowflake	.20	.75	2.50
S. & W. Co.'s Giant White, dark eye	.20	.75	2.00
S. & W. Co.'s Giant Yellow, dark eye	.20	1.00	3.00
S. & W. Co.'s Giant Mixed	.10	.55	2.00
Elite Mixture	.10	.50	1.50
English, fine mixed, lb. $4.50			.40

Pres. Carnot, white, each petal adorned with a deep violet blotch. Per pkt., 25c.; per ¼ oz., $1.75; per oz., $6.00.

Masterpiece (Germania), superb new class of blotched Pansies with large blooms, mostly undulated or curled, fine rich colors. Per pkt., 50c.; per ¼ oz., $2.25; per oz., $8.00.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Purchase Direct from French Grower Without Passing Through Dealer's Hands

HYACINTHS, Roman White, etc.
NARCISSUS, Grandiflora Paper White Trumpet Major, etc.
Freesia Refracta Alba, etc.

SOLEILLET, Horticulturist, Toulon, France

"BUDS"
76 Barclay St, NEW YORK

Important to Florists:

New crop of High Grade Flower Seeds just arrived, (especially selected for Florists' use).

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Cold Storage Valley
BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP

Grown by some of the most competent private gardners in the country.

Write for special prices.

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.



One of our Kingly Prize Pansies

Johnson's Kingly PRIZE PANSIES

Famous for their Giant Size, Heavy Texture, and wide range of Magnificent Colors. We offer seeds of this unrivaled strain as follows: Per 1000 seeds, 30c.; 2000 seeds, 50c.; 5000 seeds, $1.00; per ¼ oz., $1.25; per oz., $5.00.

POPULAR GIANT PANSIES FOR FLORISTS

	Per large trade pkt. (2000 seeds)	Per oz.
Giant Adonis, beautiful light blue	$0.25	$1.50
Giant Prince Bismarck, beautiful shade of brown	.25	1.50
Giant Striped	.25	1.50
Giant Peacock, ultramarine blue, claret and white, extra	.40	3.00
Giant Emperor William, the best blue	.25	1.25
Giant Black	.25	1.25
Giant White, with dark eye	.25	1.50
Giant Trimardeau, choice mixed	.25	1.00
Giant Fire King, golden yellow, upper petals purple	.25	1.50
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors	.40	2.50
Giant Lord Beaconsfield, purple, white petals	.25	1.50
Giant Yellow, with dark eye, fine	.25	1.50
Bugnot's Superb Blotched	$0.40	$4.00
Cassier's Giant Five Blotched	.40	3.50
Masterpiece, a magnificent variety with curled petals and many rich colors	.40	3.50
Giant Orchid-flowered (new), beautiful rare shades	.50	5.00
Giant Odier, extra large, blotched, rich colors	.40	3.00
Imperial German mixed, a rich strain	.40	3.00
Giant Parisian, brilliant colors, mostly five blotched, fine	.30	1.75
Giant Golden Queen, pure yellow, no eye	.25	1.25
Giant Dark Blue	.25	1.50
Giant Snowflake, pure white, extra	.30	2.00
Giant Hortensia (new), red shades	.30	2.00
Giant President Carnot, large white with violet blotches	.25	1.50

Send for our Complete Wholesale List of Pansies

JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Quality really means economy in bulbs. Cheapness and costliness often mean the same thing. It's the net results that count—besides, your reputation for good flowers is worth something.

Send for the Horseshoe Brand Catalog of Bulbs, etc., before buying.

RALPH M. WARD & CO.
12 WEST BROADWAY
NEW YORK
"Not How Cheap—But How Good"

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Dureble. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 5 feet, 55 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seede, 75c. per 1000 eeede, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

Turnip Seed

WE have a good supply in spite of crop shortages, and would be pleased to quote with samples.

THE BARTELDES SEED CO. LAWRENCE, KANSAS.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seede, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA OBCONICA GRANDIFLORA, Finest New Giante Mixed, 1500 seeds, 50c.

PRIMULA Kewensie, the grand, new, sweet-scented, Yellow Primroee, pkt. 25c.

CALCEOLARIA, Dwarf Giant Flowering, Spotted and Blotched, Extra Choice, trade packet, 50c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected. 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.
We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Seasonable Seeds

FOR

Summer Sowing

ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

Please mention the Exchange when writing.

Dutch Bulbs

We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

The Dutch Bulb & Seed Growers Co.
Haarlem (Holland)

CINERARIAS—W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street NEW YORK

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—June 22.—H. Nungesser & Co., 12 bags Clover seed; F. B. Vandegrift & Co., 5 cases plants. June 24.—P. Henderson & Co., 4 cases plants; McHutchison & Co., 5 cases plants.

TULSA, OKLA.—The Binding-Stevens Seed Co. has been incorporated with a capital of $75,000. The directors are: W. J. Stevens, Wichita, Kans.; C. R. Binding, Muskogee, Okla.; J. W. Binding, Lewis Orth and J. W. Stratton, Tulsa, Okla.

HOUSTON, TEX.—Reichardt & Schulte, engaged in the wholesale and retail seed business at 206 ad 208 Milam st., are moving their stock into the building next door in order to make way for an addition to be made to their store. The entire building will be remodeled and another story and basement will be added. It is expected that the company will be able to move back into its old stand about Aug. 1.

Whol. Grass Seed Dealers' Assn.

The election of officers of this Association at the convention held at Atlantic City, N. J., June 21 and 22, resulted as follows: President, Albert McCullough, Cincinnati; vice-president, Chas. Boyles, Chicago; secretary-treasurer, J. L. Peppard. Directors to serve three years: Chas. D. Boyles, Chicago; John A. Smith, Toledo, O.; A. E. Reynolds, Crawfordsville, Ind.

European Notes

With Midsummer close at hand we naturally expect, at any rate, a foretaste of Summer heat but, with the exception of five or six days, our weather has been more like February or March, and the farther south we go the colder it is, for while London and Paris are fairly warm the district of the Basses Alpes is most unseasonably cold.

Of the frequent and most destructive storms and floods it is hardly necessary to speak. Not one country in Europe that is of interest to the seed grower has escaped; the losses in many cases are very great, but their full extent cannot be accurately ascertained until the harvest.

Thorburn's Bulbs

We Are Booking Orders Now For Harrisii, Formosum, and other Japan Lilies; also for Roman Hyacinths and Paper White Narcissus.

French Grown Pansy Seed

at reduced prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.60
Fairy Queen	.50
Peacock	.60
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

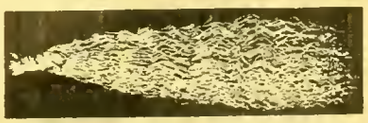
MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Raffia



We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



PANSY SEED ORDERS BOOKED NOW

MICHELL'S GIANT EXHIBITION MIXED

A Giant Strain which we have secured from the leading Pansy Specialists in England, Germany, and France, which for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade pkt. 50 cents, 75 cents per ¼ ounce, per ounce $5.00.

MICHELL'S GIANT PRIZE STRAIN

Our Giant Prize Pansies should not be compared with the ordinary Giant Trimardeau, as the seed we offer will produce flowers of much heavier texture.

	Tr. pkt.	Oz.
Giant Prize Azure Blue	$0.40	$1.50
" " Black Blue	.40	1.50
" " Emperor William	.40	1.50
" " Hortensia Red	.40	2.00
" " Lord Beaconsfield	.40	1.50
Giant Prize Snow Queen (pure white)	$0.40	$1.50
" " White, with Eye	.40	1.50
" " Pure Yellow	.40	1.50
" " Yellow, with Eye	.40	1.50

Our Summer Wholesale List of Seeds, Bulbs, etc., free for the asking.

HENRY F. MICHELL CO., 10th and Market Sts. **Philadelphia, Pa.**

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN



ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street — NEW YORK 25 Barclay Street

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

Valkier en Zoon, BULB GROWERS Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.

AGENT FOR THE UNITED STATES

CHRIS. VAN SCHAIK, Care of Isaac the Visser R. F. D. No. 1 **Paterson, N. J.**

Write for Prices

Please mention the Exchange when writing.

L. DÆHNFELDT, Odense, Denmark

MOST IMPORTANT SEED-GROWER IN SCANDINAVIA (5000 ACRES)

Established 1850

MY SPECIALTIES FOR EXPORT ARE

DWARF ERFURT CAULIFLOWER and DANISH BALLHEAD CABBAGE

Send me, for delivery after harvest, a trial order; and you will in future constantly be my customer. Quotations and catalogues sent on application.

Please mention the Exchange when writing.

Gladiolus Clearance

Gladiolus planted now will produce a late crop of blooms when the other fellow hasn't any. We offer till sold the following in sound dormant condition.

3000 GROFF'S HYBRIDS

$1.00 per 100, $7.50 per 1000

250 AT 1000 RATES.

ARTHUR T. BODDINGTON, SEEDSMAN, 342 West 14th Street, New York City

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Chartere, sep. colors or mixed	.60	.10
Hollyhock, Everblooming, New Strain	.60	.10
Primrose, Chinese, Prize Strain		.25
Cineraria, Sutton's Prize Strain		.25
Mignonette, Imperial Strain, greenhouse grown	3.00	.25
Pansy Giant, the best of all	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Greege, BALTIMORE, MD.

Please mention the Exchange when writing.

SEEDS and BULBS

W. C. Beckert

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Egg Plants Black Beauty and New York Improved, 40c. per 100, $2.00 per 1000.

Pepper Plants Bull Nose, Ruby King, and Sweet Mountain, 40c. per 100, $2.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER

WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

To our surprise the Carrot plants appear to prosper under these unfavorable conditions; the change in color during the past week is simply marvelous and, if the improvement continues until the seed is matured, the crop will be a very agreeable surprise. Onion, on the other hand, is going from bad to worse, and as very large purchases are reported for export to your side there will be a considerable shortage a little later on.

Mr. and Mrs. Watson D. Woodruff are in London. EUROPEAN SEEDS.

American Notes

Business Now Quiet

With the passing of another week, sales in all lines, as far as seed selling proper is concerned, have become quiet. In fact, it is always expected that the "Glorious Fourth" ends the season's seed selling. We are now entering the period of Summer dullness and business will, of course, be quiet until well into August, when the sales of Autumn bulbs actively commence.

While seed sales are now few, seasonable goods which the seedsmen carry are in fairly good demand; especially so are insecticides and the various standard remedies for plant diseases. It is certainly proving a fact that with each succeeding season larger and larger quantities of Paris green, hellebore, Bug Death, Slug-Shot, whale oil soap, Aphine and kindred preparations are being disposed of. These sales help out materially during the quiet season and bridge over until the bulb business starts.

Of course, from now on there will be sales of Freesias, and very soon Lilium Harrisii bulbs, and sales of what seeds are seasonable have been very good the past week. Cucumber, Melon, Turnip, Mangel and Beet being in fair demand as well as the seeds of fodder crops such as Hungarian Grass, German Millet, etc.; but the quick change to hot Summer weather has, of course, made things extremely quiet on the whole.

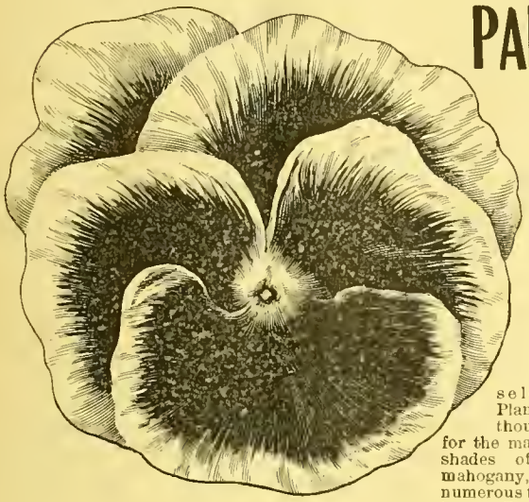
Dealers Should Order Early

It is now far enough along in the season to be able to fairly estimate in some degree what the seed crops will turn out to be the present season. The larger growers of Peas, Beans and Sweet Corn would seem to feel that even should we have satisfactory growing weather, from now on, there will be no surpluses of any great amount in any direction of these staples; and in small seeds, the situation is a good deal the same. The season, so far, has been so backward that it will take the very best of growing weather to obtain fairly average seed crops, to put the matter at its best. Taking these things into consideration, it would seem conservative for dealers to supply their wants in seeds for another season as early as possible. It may, of course, prove that wholesale prices will be no higher than they are at present but, on the other hand, it does not now look as if prices would be reduced much, if any, as the season advances. The facts are, that the demand for seeds has materially increased in every direction, while the more or less short crops for several seasons have reduced seed stocks to the lowest point in years, and until general seed supplies, by one or more very satisfactory seed growing seasons, are restored to normal levels, little change in the present range of prices can be expected.

National Sweet Pea Society

It is most pleasing to note that all over the country the greatest interest is being manifested in the coming exhibition, in New York City, of the National

The Kenilworth Strain of Giant PANSY SEED



Must not be compared with the flimsy Trimardeau.

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The Stock Plants are taken from many thousands of plants grown for the market. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures supplied.

1910 SEEDS NOW READY

2000 seeds 50 cents, 5000 $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

	Tr. pkt.		Tr. pkt.
Giant Yellow	$0.25	Giant Bronze Shades	$0.25
Giant Yellow, dark eye	.25	Giant Purple	.25
Giant Lord Beaconsfield	.25	Giant Black	.25
Giant Madame Perret	.25	Giant Light Blue Shades	.25
Giant White, dark eye	.25	Giant Dark Blue Shades	.25
Giant Red Shades	.25	Giant Masterpiece	.25

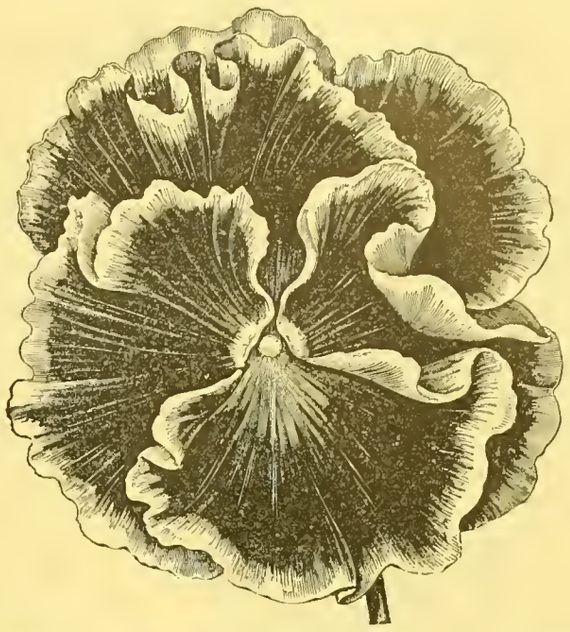
Collection—Any 5 of the above varieties for $1.00.

One packet each of the 12 above varieties for $2.25.

Rainbow—Is a blend of over fifty of the latest introductions in Giant Pansies of the most beautiful and gorgeous colors, blotched, striped, veined, margined, etc. With every $1.00 worth of Pansy Seed, I will send, free, 1000 seeds of Rainbow, and with other orders in like proportions.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.



SEED PANSY SEED

Brown's Improved Giant Prize Pansies. The finest strain of Pansies in the market, surpassing all other strains as to variety of colors and size; they are unsurpassable, many being 3½ inches in diameter. **My own grown seed, new 1910 crop ready.**

MIXED SEED—3000 seeds **$1.00**; ¼ ounce **$1.50**; ½ ounce **$2.50**; ounce **$5.00**; ¼ pound **$14.00**; ½ pound **$25.00**; pound **$50.00.**

SEPARATE COLORS—**Giant Yellow with dark Eye,** same price. Plants ready September 1st Cash with order.

PETER BROWN, PANSY SEED GROWER 124 Ruby Street, LANCASTER, PA.

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE FANEUIL HALL SQUARE BOSTON

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Sweet Pea Society of America. This Society, while only in its second year, is doing a most important work, and every seedsman should make it a point to keep actively in touch with what is being done along this line. This season, as has already been announced, there will be many additional substantial prizes for various classes of Sweet Peas. The work the Society is doing will result in much increased sales of Sweet Pea seed with every dealer, and will therefore be of the greatest benefit to the seed trade as a whole. The National Sweet Pea Society certainly deserves the support of all, and should have it.

New York Seed Trade

The extremely hot weather has slowed down trade very much. Of course, that is what is expected, and with the exception of insecticides and the seasonable seeds needed for July planting, business will be quiet until the advent of bulbs. There is still quite a little demand for bedding plants but they are pretty well sold out withal. Celery plants are in active demand and so are late Cabbage and Cauliflower.

Vaughan's Seed Store in the past week received Bermuda grown White Roman Hyacinths, Purity Freesia and Buttercup Oxalis bulbs.

Leonard H. Vaughan, the newly elected vice-president of the American Seed Trade Association, has been a visitor in town this week.

Most of the seed houses are taking stock.

The Stumpp & Walter Co. is having erected a Hitchings greenhouse on its trial grounds at Dumont, N. J.

The seed trade was very largly represented at the New York Florists' Club outing on Tuesday. Employers and employees alike took advantage of the occasion to have a most enjoyable day's rest.

Peter Henderson & Co. are this week making a very fine window display with Japanese Iris. The various varieties are named and numbered to assist customers in ordering roots for Autumn delivery.

J. C. Robinson, the retiring president of the American Seed Trade Association is, with his family, spending a few days at the Hotel Astor.

Burnett Bros. are distributing their special price list of pot-grown Strawberry plants.

A goodly number of the western seedsmen, who attended the convention at Atlantic City, have been spending a large part of the week in town.

C. McTaggart has discontinued his store at 123 Warren st.

H. H. Berger & Co. are making a special offer of Japanese Bamboo stakes, both in natural color and dyed green.

Wm. Elliott & Sons report a good demand for the various brands of fertilizers which they carry.

H. Frank Darrow, importer of plants, seeds, bulbs, etc., of 26 Barclay st., will sail for Europe July 7, per S. S. La Provence, on a short business trip.

Philadelphia Seed Trade

The story of the seed trade at present can be briefly told. There are almost no seeds moving. Notwithstanding the very high price a few nervy farmers are buying Cow Peas, and once in a while one with even more nerve spoils a ten dollar bill in purchasing a bushel of Crimson Clover. A little Millet, too, is going out and some Spinach. That is about all.

Some seedsmen have finished their inventories and some are still at the task.

Summer conditions are here, and before June slips away at least two of the men connected with the seed trade have decided to have a June wedding.

Rodman L. Kulp, now with the Johnson Seed Co., married on the evening of June 28, Miss Clara Hollenberg. The

CROP OF 1901

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.

CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and CELERIAC, best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.

CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

ASTER PLANTS

Largest flowering. Transplanted. All colors. Properly packed. **$3.50** per 1000.

GUSTAV OLSON, Florist, Woburn, Mass.

Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
$2.50 per 1000 by express; 50c. per 100 by mail.

Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

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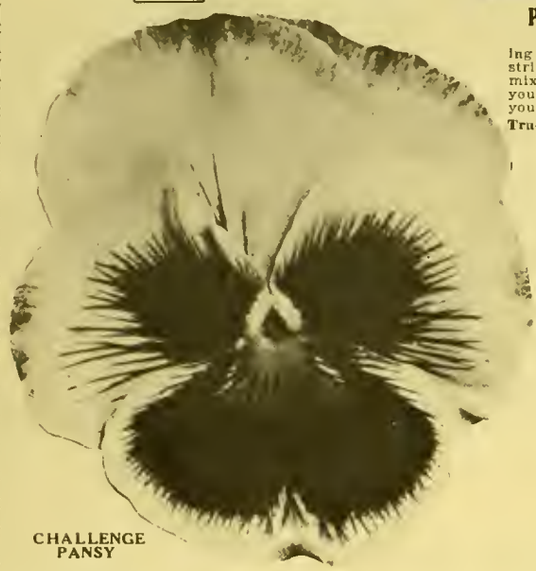
Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.50	$2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch	.15	.50	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color.	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.60		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.86	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.16	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.60	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamolae, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

Stokes' Standard Mixed Pansy

is the finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade Packet (2000 Seeds) 60c., ⅛ oz. 75c., ¼ oz. $2.75, 1 oz. $5.00, ¼ lb. $20.00.

KINGLY COLLECTION OF GIANT PANSIES MIXED

Trade Packet (2000 seeds) 40c., ⅛ oz. 50c., ½ oz. $1.85, 1 oz. $3.50, ¼ lb. $13.50.

NAMED MIXTURES OF GIANT PANSIES

	Trade pkt	Oz.
Giant Odier. Large blotched, Show Pansy	$0.35	$1.50
Bugnot's Superb Blotched. Very Large French Strain	.35	2.50
Giant Trimardeau. Immense size and beautiful colors	.25	1.25
Cassier's Giant Blotched. Unsurpassed Quality	.35	3.00
Cassier's Golden Yellow, Five Blotched. Very fine	.40	4.00
Giant Parisian. Great diversity of gay colors	.30	2.00
Pres. Carnot. Large white with violet blotches	$0.30	$2.00
New Orchid Flowered. Shades of chamois, terra-cotta, pink lilac, rose and orange	.35	3.00
English Large Flowering. Fine mixed	.25	1.25
Imperial German. Show Pansies	.30	2.00
Fine English Mixed	.20	.75
Good Mixed	.15	.50

STOKES' SEED STORE, 219 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ⅛ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ¼ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER

Quedlinburg, Germany.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

ceremony took place at the home of the bride in this city. After a wedding tour to Baltimore, Washington, Norfolk, and some other southern points, Mr. and Mrs. Kulp will occupy about July 15 their beautiful new home in Olney, Pa.

Louis Roth, now in charge of the tool and implement department of the Henry F. Michell Co., married, June 22, Miss Heileman, telephone operator of the same company. Mr. and Mrs. Roth are now on their wedding tour and will return to this city next week.

Two more young men of the Michell family have become connected with the seed business, namely Henry F. Michell, who has entered the firm of Henry F. Michell Co., and Frank B. Michell, who has employment at the trial grounds of the company at Torresdale, Pa. These are both the sons of Frederick J. Michell, of the Michell Seed House.

W. Atlee Burpee and Mrs. Burpee sailed from Quebec July 1 on the Empress of Britain, the point of attraction for Mr. Burpee being the show of the National Sweet Pea Society in London. The return home will be made, leaving Liverpool July 29, on the Empress of Ireland.

All of the seed houses were well represented at the Convention and report an enjoyable and profitable meeting, and all speak in terms of highest appreciation of their visit to Fordhook in response to the invitation of W. Atlee Burpee & Co.

It is reported that the crop of Crimson Clover seed in Maryland was injured considerably by the recent rain.

Johnson Seed Co. is still at work on their inventory. Just now they are featuring in their window "Cypher's Anti-Fly Pest," "Cypher's Lice Paint," "Conkey's Ant Chaser," and "Conkey's Nox-icide," a soluble disinfectant deodorant germ destroyer which heals wounds on man or beast.

George H. Atkinson who, in the absence of Walter Stokes, now in Europe, is in charge at the Stokes Seed Co., reports that they have just finished the testing of their Lettuce seed at their trial grounds at Moorestown, N. J., and that the results were very satisfactory.

Michell Seed House, 518 Market st., has finished inventory and balanced books, and are all ready for another campaign. In addition to one of the most complete lines of lawn and garden implements in the city this house is now featuring Grape bags.

Henry F. Michell Co., is offering the first Celery plants observed; also Amaryllis belladonna and A. Johnsoni, and Arum carnutum bulbs. They are also featuring Grape bags and the three little maidens at the Grape arbor in the window are showing how to put the bags on the bunches, so that the busy bee, and the small waisted wasp, and the lovely English sparrow, et cetera, are all held at bay.

One at least of the windows at Henry A. Dreer's all of the time is "a thing of beauty." This week the Rose display is still continued. From day to day old varieties are taken out and new ones brought in, so that the window is always attractive, and the number of orders booked all the time increasing. G. A. Strohlein sails to Europe in July in the interests of Henry A. Dreer.

After the convention last week a large delegation of seedsmen from various parts of the country called upon their brother seedsmen in Philadelphia.

Dr. L. O. Howard at Boskoop, Holland

Our nursery district had the pleasure of a call from Dr. L. O. Howard, of the

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON

BALTIMORE, MD.

Please mention the Exchange when writing.

Alternanthera Jewel

We can still supply first class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of $1.50 per dozen, $10.00 per hundred.

Gardenias

We can quote you in any quantity, 3 inch, $18.00 per hundred, 2½ inch, $12.00 per hundred.

Getting Down on 'Mums

but still have a few thousand at $25.00 per thousand.

CHARLES H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

Begonia Gloire de Lorraine

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Order Now

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.

CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

POINSETTIAS

Fine, stroog, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.

BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Asparagus Plumosus Nanus

From 2-in. pots, nice plants, $2.00 per 100.

ASPARAGUS Sprengeri, strong, from 2-in. pots, $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant), 2-in., very fine, from seed, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

ASPARAGUS Plumosus Nanus Seedlings

$1.00 per 100, **$10.00** per 1000

Cash with order.

FLORAL HILL GARDENS, Chatham, N. J.

G. F. NEIPP, Prop.

Please mention the Exchange when writing.

CYCLAMEN

PERSICUM GIGANTEUM

Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.

Give us a trial; we can please you!

J. W. MILLER

Shiremanstown, Pa.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000, Now ready.

PAUL MADER,

East Stroudsburg, PA.

Please mention the Exchange when writing.

TRADE LIST

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.

ASPARAGUS Sprengeri, 3-in. pots, $5.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.

ROSE GERANIUMS, 3-in. pots, $4.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong, seedlings $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2¼-in. pots, $3.00 per 100: **ACHYRANTHES; PARLOR IVY; COLEUS, Verschaffeltii, Queen Victoria, Quatricolor; SALVIA Bonfire.**

HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.50 per doz.

SALVIA Bonfire, fine plants, from 3-in. pots, $4.00 per 100.

MOON VINES, 3-in. pots, $4.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Bureau of Entomology, Dept. of Agriculture, Washington, D. C., on June 10. Passing by the Koolhergen & Sliedrecht Nurseries, a block of fancy clipped Boxwood took his eye, and further on he inspected the entire nursery which took him about two hours. From there he went back to Amsterdam, where he stayed over night, continuing his trip the next day to Orleans, France. Dr. Howard was very much pleased with what he saw in the nurseries, and promised us he would give a full report after his arrival home.

E. L. Page, the new president of the A. S. T. A., and the party with him, made the trip from Greene, N. Y., in an automobile, leaving home on the Friday preceding the convention at 4 p.m., traveling through the mountains until 10.30 that night, finally reaching Atlantic City at 10 p.m. Monday, June 20. Some stops were made en route, and the party arrived without mishap and feeling well

Hail Notes

Greenhouses in York, Pa., and vicinity were extensively damaged by a hailstorm recently. At Chas. E. Smith's greenhouse, panes to the number of 2000 were shattered and numerous flowering plants were damaged.

At Berwick, Pa., W. C. Brittain's hothouses were partially demolished. With about 3,800 glass in his houses, 1,700 were broken, while his flowers and vegetables were badly damaged. He has a loss of $1,000 with no insurance.

John A. Smethers & Son were the greatest sufferers. Of 7000 or more panes of glass at least 4000 are broken, and vegetables and plants damaged. This loss he has not estimated and he awaits the arrival of an adjuster from the Florists' Hail Association.

The storm was not as severe at the houses in East Berwick, where D. W. Davis's large houses are located, and hail came down in spots. Two and three hails of ice crushed out single glass as completely as if removed by hand in some places, while again large areas were passed over. Of 16,000 panes of glass, but 900 were broken. His loss of $150 will be covered by insurance.

Thomas Dickson of Vine st. has a house of 400 panes of glass, nearly every one of which was broken. Mr. Dickson had his hand severely cut and bruised through being hit by one of the hailstones.

In the greenhouse of O. E. Evans, 140 panes of glass were broken. Charles Pollock lost 160 panes.

Florists' Hail Association

Among those who have reported losses from the storm of June 18 are the following: W. Guy Payne, Pottsville, Pa.; John A. Smethers & Son, Berwick, Pa.; Benjamin K. Hedrick, Perkasie, Pa.; David H. Werst, Benjamin, Pa.; Souderton B. & L. Ass'n, Silverdale, Pa.; Vielie Bros., Marlborough, Pa.; F. C. Prizer, Collegeville, Pa.; Finleyville Floral Co., Finleyville, Pa.; A. W. Fox, Mount Pleasant, Pa.; Nels Nelson, Tamaqua, Pa.; Jefferson Doremus, Green Village, N. J.

All are insured in the Florists' Hail Association. JOHN G. ESLER, Sec.

A New Method of Growing Chrysanthemums

Mr. J. S. Douglass of Bakersfield, Cal., has after years of experimenting evolved a method of bringing this Queen of the Autumn to a degree of perfection, not attained by any other method. He uses stools two years old, which as every gardener knows are strong, and provided with a large root system. He cuts the tops back about June 1 to within 3 in. or 4 in. of the ground and starts them at once into active growth, encouraging every shoot to do its best. July 1 he takes the points out of all but three or four in every clump; these are allowed to grow and produce the flowers, being supported by a dozen, or perhaps twice that many other stalks, a foot or so high; though not allowed to bloom, with their wealth of foliage and strong root system, the combination being capable of assimilating a greater quantity of plant food than a smaller plant is capable of doing, and thus insuring a flower of finer form and substance. We shall endeavor to induce this amateur gardener, who has passed the half century mile post in life by several years, to exhibit some of the products of his skill at the Fall flower show, that the other boys may see what can be done by this method in growing show Chrysanthemums.—*Pacific Garden.*

LAST CALL
Unheard of Prices

The stock given below is all first-class in every respect. We need room to plant out our large stock of Ferns. Send your orders in and we know you will be satisfied with the plants we send you.

GERANIUMS, Jean Viaud, exceptionally fine stock, very bushy, heavy plants. We have a few more than we need for stock or we would not sell them for this price. 4 in. pots, very heavy, in bud and bloom. $4.00 per 100, $40.00 per 1000.

AGERATUM, exceptionally fine, beautiful tall and dwarf varieties, 3 in., $1.50 per 100, $12.50 per 1000.

NASTURTIUMS, 3 in., $1.25 per 100, $10.00 per 1000.

CANNAS, Mme. Crozy, Queen Charlotte, Mme. Berat, A. Bouvier, Pres. McKinley, Chas. Henderson, 4 in., strong, 12 in. to 18 in., $4.00 per 100, $40.00 per 1000.

COLEUS, Golden Bedder, Queen Victoria, Fire Brand, Butterfly, etc. 2½ in., fine strong stock, $1.25 per 100, $10.00 per 1000.

DRACAENA Indivisa, beautiful, clean stock, 18 in. to 2 ft., 5 in. pots, $1.50 per doz., $10.00 per 100.

DRACAENA Indivisa, 6 in. pots, perfect beauties, $2.00 per doz., $15.00 per 100.

HELIOTROPE, beautiful stock, 3 in., strong, $1.50 per 100, $12.00 per 1000.

MARIGOLDS, very strong, 3 in., $1.50 per 100, $12.50 per 1000.

VERBENAS, strong, 3 in., $1.25 per 100, $10.00 per 1000.

THE NEW BLUE RAMBLER, the greatest Rose Novelty of the age, is creating a great sensation and selling rapidly. They sell as soon as you describe them to your customers. Color a Violet Blue, perfectly hardy, free bloomer; strong, pot-grown plants, $2.50 per dozen, $18.00 per 100.

Cash with order, please!

THADDEUS N. YATES & CO., MT. AIRY, PHILADELPHIA, PA.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. **Richmond and Chatenay,** $7.00 per 100. **Bride, Bridesmaid, Carnot, Golden Gate and Kaiserin,** $6.00 per 100.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. **Bride, Bridesmaid, Carnot, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton,** strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

10,000 CANNAS,

30 fine varieties, from 3½ inch pots, fine stock, $6.00 and $8.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2¼ and 2½ in. pots.

Golden Chadwick, Golden Eagle, Virginia Poehlmann, from 3-in. pots, $6.00 per 100.

J. W. Childs, Lynnwood Hall, Mme. J. Rosette, Pacific Supreme, W. R. Bock, W. H. Chadwick, Yellow Eaton, $4.00 per 100; $35.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Collingfordii, Dorothy Devens, Early Snow, Grace Witney, Golden Glow, Golden Dome, Geo. Kalb, Glory Pacific, Harry May, Jeannie Nonin, J. E. Lager, J. H. Troy, Maud Dean, Meta, Monrovia, Mrs. S. T. Murdock, Moneymaker, Mlle. A. Laurent, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Major Bonnaffon, Mme. Bergeman, Nagoya, Polly Rose, Riverside, Robt. Halliday, The Harriott, Timothy Eaton, W. H. Lincoln, White Bonnaffon, Wm. Duckham, White Shaw, fine stock, $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
ALYSSUM	2¼	$3.00
ACHYRANTHES, 5 sorts	2¼	3.00
AGERATUM Blue and White	3¼	3.00
AGERATUM, Blue and White	3½	4.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	3	4.00
BEGONIA Flowering Sorts	3	5.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	5	$6.00
FEVERFEW, Double White	2¼	3.00
FORGET-ME-NOTS	2¼	3.00
FUCHSIAS, Dble and Single	3¼	8.00
GERANIUMS, Dble and Single	3½	7.00
Special Varieties	3½	8.00
Double and Single	2¼	3.00
Fancy-leaved	3½	8.00

	Size pots	100
HELIOTROPE, Light and Dark	2¼	$3.00
IMPATIENS Sultana	2¼	4.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	5.00
LOBELIAS, New Double Blue	2¼	4.00
LOBELIA, New Double Blue	3	5.00
MOONVINE, True White	2¼	4.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedman	4	8.00
Splendens and Bedman	2¼	3.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	3.00
STEVIA Variegata	2¼	3.00
TRADESCANTIA	2¼	3.00
SWAINSONA alba	2¼	4.00
TROPAEOLUM, Double	2¼	4.00
VIOLETS, Marie Louise	2¼	3.00
VIOLETS, Prince of Wales	2½	4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

Asparagus

	Per 100
Plumosus, 2¼-in. pots	$2.00
Sprengeri, 2¼-in. pots	2.00

PANSY SEED, New Crop, Giant Flowering, oz. $4.00.

Primroses

Ready July 15.

	Per 100
Chinese and Forbesi	$2.00
Obconica alba and rosea	2.00
Obconica, Gigantea	3.00

Cash.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
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Hermosa
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Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries
OUDENBOSCH, HOLLAND

Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel

Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

Please mention the Exchange when writing.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

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KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

Ampelopsis Veitchii

4 inch pots, grown and staked, strong plants, $10.00 per 100.

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

AMERICAN BEAUTY PLANTS

3-inch
2½-inch
2¼-inch

Our Sport of My Maryland, Dark Pink, will be disseminated 1911
It is in color what Bridesmaid was to Mermet

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

Own Root Rose Plants

Pink Killarney, 3-in., $6.00 per 100, $55.00 per 1000.
American Beauty, 3-in., $8.00 per 100, $75.00 per 1000.
American Beauty, 3½-in., $9.00 per 100.
Bridesmaid, 3-in., $4.00 per 100, $35.00 per 1000.

All fine stock. Cash with order, unless known.

L. B. CODDINGTON, Murray Hill, N. J.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

PETERSBURG, VA.—The Arrowfield Nursery Co. has been incorporated with a capital of $2500 to $25,000. W. N. Roper is president; Edith M. Hutt, vice-president; W. N. Hutt, secretary and treasurer.

MONROVIA, CAL.—The business and good will of the Pioneer Nursery has been sold by R. H. Wilson to the Pioneer Nursery Co., A. Foster, president, Geo. H. Jackson, manager. The Pioneer Nursery is the oldest nursery in the county, having been established in 1876 by the retiring proprietor.

Halesia tetraptera

One of the flowering trees of Spring always sure to adorn a lawn with its flowers, is the Halesia tetraptera, known as the Snowdrop Tree, because of its flowers reminding one of the Snowdrop.

There are two Halesias hardy as far north as New York City, the one of our notes, tetraptera, and another one, diptera; but the limit of hardiness is reached by the latter when planted in New York, unless it be along the coast, where it can be grown as far as Connecticut.

Both of these Halesias are grown as shrubs, but in time make large trees. We have seen in the old Bartram gardens in Philadelphia, trees of H. tetraptera 30 or more feet in height, with tree-like trunks. There was but one small specimen of diptera there at that time; but here and there were fair sized specimens of it near Philadelphia, showing its hardiness in that vicinity. The variation in hardiness is accounted for by the fact of the tetraptera being found farther north than the other, extending from Kentucky to Virginia, while diptera is located from Georgia to Arkansas and Florida.

In early Spring, the Halesia tetraptera is always loaded with its white flowers, a beautiful sight, as our photograph shows. Succeeding the flowers are four angled seeds, hence its name, teraptera. The diptera has two angled ones, which will distinguish it from the former.



Halesia tetraptera. Snowdrop Tree.

The Currant Worm

Passing a florists' place recently, we could see through the fence a row of Gooseberry bushes entirely defoliated by the "Currant worm," so-called. Not a leaf was on them, nothing to be seen but the strings of green berries. The proprietor was within hailing distance, and in answer to a question said he was aware of the condition of his bushes and the cause, but had not time to attend to the preserving of them. It seemed too bad that although an expenditure of but five cents in cash and as much more in labor would have saved the foliage, he had not time to save it. It would be much more satisfactory to dig out the bushes, as no fruit can be had when foliage is gone; and when the worms are let alone they perfect themselves and provide for an appearance again the year following. In fact, the same season will see them again, the second crop of worms appearing in Autumn, coming from the first brood, which was unmolested.

The remedy calls for but the dusting of the foliage with powdered hellebore, and ten cents worth would suffice to dust a hundred bushes twice. Get an old style pepper box for the purpose of dusting. If the work can be done when the dew is on the foliage it is a good time to do it. A light dusting is better than a heavy one, as the smallest particle is enough to destroy the worm that eats it. Should the foliage be entirely dry, turn a hose on the bushes, to thoroughly wet them, then wait a while until the leaves have drained themselves to some degree, before applying the hellebore.

If the first crop of worms is annihilated there will be little trouble from a second attack.

This worm, by the way, better deserves the name of Gooseberry worm, since it always attacks these bushes before it does those of Currants, even when both plants are side by side.

Sweet Cherries

This being Cherry season, it gives one a good opportunity to name the satisfactory varieties, and we here give a list of some which form a nice assortment, among those known as Sweet Cherries and Heart-Cherries, or Bigarreaus as they are usually catalogued. Among black ones which succeed well are the following, named in the order of their ripening: Early Purple Guigne, early in June, not a large cherry, but of fine flavor; Black Tartarian, which seems the same as the common Black Heart of old gardens, mid-June, large, fine; Elkhorn, or Tradescant's Black, late June, medium size, good; Mezel, late June, large, very good.

Those of red or nearly red color are these three: Cleveland, large, very good, early; Ohio Beauty, large, very good, early; Rockport, medium, very good, early. These ripen at about the same time, mid-June with us.

Of the white or yellowish white, these are standard kinds: Belle d'Orleans, early, light yellow; Coe's Transparent, early, amber; Gov. Wood, light yellow, mid-June; Napoleon, large, amber yellow, late. The color and size make the Napoleon a favorite; it is an attractive one to can, but the flavor, though good, is hardly as rich as that of the others.

This is the season—July—when the budding of Cherries is in order, using the Mazzard stocks when trees of full size are desired, and the Mahaleb when those of less robust growth are preferred.

There are two other sections of Cherries not touched on here, the Dukes and the Morellos. The former are represented by such well known sorts as the May Duke, Royal Duke, Late Duke, etc., and they represent a class between the sweet ones already referred to and the sour ones, Morellos, being good to eat out of hand or for cooking. The Morellos have their chief representative in the Early Richmond, which has the field almost to itself.

Bagging Grapes

It is not the first time that reference has been made in these columns to the benefits resulting from the bagging of Grapes. To the one who grows Grapes for market, spraying is cheaper, no doubt; but to the amateur, who so often seeks advice of the florist and the nurseryman, a recommendation to bag the bunches will be good advice. The work of bagging a vine full of bunches takes but little time, no more than a spraying or two would, and it positively ensures the bunches from all the ills that beset them. This is the time to do the work, just as the flowers drop and display the embryo berries. Common thin bags, such as are to be had in grocery stores, are the ones to use, getting a size that will hold the bunch when it is of mature growth. The bag is slipped over a bunch, the ends folded or drawn together, a pin run through it to hold it close, and the work is done. Nothing more is required until the close of the season, when the bunches are cut to be eaten. The berries attain their normal color, despite the bag covering.

It is the writer's custom to pinch off the ends of the shoots bearing bunches, at two leaves above a bunch; but on canes not bearing and wanted for next season's fruiting the growth has its own way, growing at will, cutting them back in Winter to a desired length.

Transplanting Wild Evergreens

A reader of the EXCHANGE, living in the vicinity of Mt. Vernon, Va., writes us that noticing in an agricultural paper that the Red Cedar, Juniperus Virginiana, is hard to transplant, he would say that last year he dug up a dozen wild plants of it from a meadow, each about 3 ft. high, and transplanted them to his grounds, and did not lose one of them. All the roots possible were secured, he says, and were kept damp until replanted.

The Red Cedar is a difficult evergreen to transplant, it carries so much foliage, and has so few roots. It needs a good pruning when removed, not cutting back to take off all the live foliage, for coniferous trees will not break afresh, readily, when so pruned. Such pruning, together with the keeping of the roots damp, goes a great way toward success.

There is another way, and one often referred to in this department—the root pruning of all trees, both evergreen and deciduous, a year or two in advance of their removal. If a Red Cedar of large size, a Pine or any other evergreen, be root pruned in this way and then in a year or two after be transplanted with a ball of earth with it, it is in just the same condition that a well cared for nursery raised tree would be. Safe transplanting can be assured when a tree is taken from one place to another and planted in such a way that all conditions are practically the same as they were before its removal. When this matter is studied out, there is a way to bring satisfactory results about, for it is possible with care to so transplant a tree that it will feel the transfer no more than a plant would that is turned out of a flower pot and planted; and when a ball of earth goes with the tree it makes no difference at what time of the year the planting is done.

English Laurel

The Cerasus Laurocerasus, though a native of the Levant, is often called English Laurel, as well as Common Laurel, because of its great use in planting, in the British Isles. It is rarely seen planted in any of our northern States, though in Virginia there are estates in which it has been prominently planted. The time appears to be coming when this and many other nice evergreens will be seen in our gardens oftener than they have been, for it is a mistake to think they will not do well, and therefore not try them. The writer has several evergreens growing outdoors that are deemed too tender for these parts; some he has had for several years, such as Cerasus Caroliniana, Elæagnus Simoni, Photinia serrulata, Ligustrum Japonicum and L. lucidum; and last Winter he had the Cerasus Laurocerasus experimented with outdoors all Winter, with full success. What all these things require is protection from light, wind and extreme cold. If darkness and shade from the sun be given them they will endure more cold than otherwise. The writer's plan is to set them where no sunlight reaches them, and where winds are broken from them. Many of the subjects are near the wall of a dwelling, and when Winter sets in (as it is the southern wall) a board is slanted in front of them, resting on the wall. Thus, while the sun is prevented from reaching the foliage, the air has free access to it from the sides; but anyone can understand what a protection the board is to each plant.

The English Laurel was not near a wall, but standing by itself, about 12 ft. from a building. It was protected, however, by a barrel with both ends knocked out, inverted over the plant, and the barrel filled with loose forest leaves. After the filling, there were two or three narrow strips nailed across the top, that the leaves might not blow out; but snow, rain and air could get in between the strips. Spring found the plant in the same perfect condition as when it was protected with the barrel. There is very little trouble in giving a little protection of this kind, no more than putting on extra thick clothes ourselves; and how pleasing it is to have something worth while, such as this English Laurel is.

By the way, the newer one, Cerasus Laurocerasus Schipkænsis, is deemed much hardier than the type; and there are plants of it near Philadelphia which have stood out for several Winters unharmed, with practically no protection save what trees near them gave.

ROSE PLANTS

FINE, STRONG AND HEALTHY

American Beauty, 3 inch pots	$7.00	per 100,	$65.00 per 1000
Brides and Bridesmaids, 3 inch pots	4.00	"	35.00 "
Brides and Bridesmaids, 4 inch pots, 1 year old	5.00	"	45.00 "
Smilax, 2 inch pots	2.00	"	18.00 "

Orders should be placed at once. Stock can be shipped now or when you are ready to plant.

Propagated from Prize Winning Stock, American Rose Society Exhibition, New York City, March 16, 17 and 18, 1910.

UNITED STATES CUT FLOWER COMPANY, ELMIRA, N. Y.

Please mention the Exchange when writing.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
White Killarney	$6.00	$50.00	Uncle John	$4.00	$35.00
Pink Killarney	5.00	40.00	Ivory	4.00	35.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00

—Also—

Perles (from 3½ inch pots) $4.00 per 100, $35.00 per 1000.

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Perles	4.00	30.00	Brides	4.00	30.00

PETER REINBERG, 35 Randolph Street CHICAGO

Please mention the Exchange when writing.

Brides and Bridesmaids

2¼-in. $2.50 per 100; $25.00 per 1000

Numerous other good sorts in prime stock.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

PALMS, FERNS and Decorative Plants

JOHN SCOTT

Rutland Rd. & E. 45th St., BROOKLYN, N.Y.

Please mention the Exchange when writing.

Vincas—Vincas—Vincas

2,000 VINCA VINES

$2.00 per hundred, $18.00 per thousand.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

DRACAENA INDIVISA

A Fine Stock In All Sizes. 4 in., 10c. and 12c.; 5 in., 20c. and 25c.; 6 in., 35c.

SCOTTII FERNS, 6 in., 40c. & 50c. each; 4 in., 15c. each; and 2¼ in., $4.00 per 100.

COCOS WEDDELLIANA, 2¼ in., 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ in., strong, $3.00 per 100; 4 in., $10.00 per 100.

SALVIA BONFIRE, 2¼ in., $2.50 per 100.

TABLE FERNS, in nice assortment, bushy stock, $3.00 per 100.

HENRY WESTON, Hempstead, N.Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

$18.00 per hundred.

Vinca Variegata, 2¼-inch pots, $2.50 per hundred.

Cash with orders please.

E. L. RILEY, Trenton, N.J.

R. F. D. No. 2.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Strong, 4-inch, $10 00 per 100.

ASPARAGUS SPRENGERI, strong 2½-inch, $3 00 per 100.

ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

Boston Ferns

300 to 400 small plants, in 2½-inch pots, fine for growing on, $5.00 per 100.

Cash.

Phelps the Florist

121 Pleasant St., MARLBORO, MASS.

Please mention the Exchange when writing.

Fern Seedlings in Flats

In best varieties, ready June 15.

20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now.

Only 5000 ASPARAGUS plumosus nanus, left, 2¼-in., ready for shifting.

Prices on application.

NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,

199 Grant Avenue, JERSEY CITY, N. J.

Please mention the Exchange when writing.

Louisville, Ky.

The annual period of inactivity has begun in Louisville floral circles although the local dealers were very busy during the past week because of the round of commencements that took place. The graduation orders swelled the florists' business in the lines of Roses and Carnations, with some calls for baskets of fancy cut flowers, arranged in attractive styles. Some large weddings have taken place, causing a demand for Sweet Peas and Lilies of the Valley but the present prospect is not encouraging.

The plant season, which continued until unusually late this Spring, has practically closed, and the only preparations that are being made by the Louisville flower dealers for the Fall consist mainly of heavy plantings in Asters and Chrysanthemums.

A proof that the planting season is holding out until unusually late in the season is found in the sales of F. Walker & Co. Mr. Walker says his firm has sold a large amount of Nasturtiums and Geraniums for window-box use and other forms of green stock have sold equally well for table decoration.

August R. Baumer did some newspaper advertising to attract the public to his sales of flowers for Commencement use and good results have followed, mostly in Roses and Carnations. The advt. was well gotten up, as it featured the words, "Shower Bunches, Baskets, Fine Flowers, Commencement," in a manner calculated to draw the attention of the reader and thus be very effective.

Louis Kirch proposes to specialize in Asparagus and Smilax.

"A disappointing feature of the flower trade was the short Peony season," said Henry Nanz, of the firm of Nanz & Neuner. "The warm weather that we had in March and the first part of April caused the early Peonies to develop later than they should and the late varieties came to the fore earlier than usual. Thus there was a sudden influx of Peonies into the market and their season was very short-lived. We are planting a great many Asters, and Chrysanthemums for Fall trade and expect to realize profit from these as they promise exceptionally well for the football season."

The firm of Nanz & Neuner are preparing to remodel five of their greenhouses at St. Matthew's, Ky., and will install in them the most uptodate and complete equipment known. They will be devoted exclusively to the cultivation of fine lines of Roses and Carnations.

There is a well-defined rumor here that a number of local florists, now located on Fourth ave., in the high-rent district, will be obliged to seek new quarters in the near future as their leases expire. Some of them have expressed a determination to get out of the high-rent district and are considering the proposition of establishing a "Florists' Row" in that section of the city in close proximity to the residence section south of Broadway. It is believed that much benefit would result from a definite localization of florist firms in this city, as other lines of dealers have tried it and met with good results. The dealers in the "Florist's Row" could reduce their prices somewhat, do a larger volume of business, and still reap a good profit from the lower rents which they could obtain outside of the business district.

Henry Fuchs reports that Sweet Peas have been his best seller for the past week. Window-boxes are coming more and more into popular favor, according to Mr. Fuchs.

Mrs. Thompson has introduced a new wriokle by carrying a complete line of Arts and Crafts baskets for flowers. This line has made a big hit with the Louisville public as any departure from the old-fashioned flower pot and jardinière is always welcomed. Porch baskets for the trade are an especially remunerative branch of the Arts and Crafts stock for a florist to handle, according to Mrs. Thompson.

Fred Haupt, one of Louisville's most prominent floral and automobile enthusiasts, will make a trip to Mammoth Cave about July 1 in his big Premier touring-car. Mr. Haupt is very active in the affairs of the Louisville Automobile Club, and was on the committee which gave the orphaus of the city a ride to the various pleasure parks on Saturday, June 25. Miss Edna Haupt, who is the daughter of Mr. Haupt, graduated during the past week from the Louisville Girls' High School.

E. G. Reimers, who is one of the most prominent florists in Louisville, is one of the first of local dealers to realize the benefits of organization in trade and has joined the Retail Merchants' Association.

G. D. C.

FERNS

MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $3.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.

COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERNS

BOSTON, SCOTTII and WHITMANI

September delivery. Get our prices.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

WE cannot book any more orders for Ferns, for delivery before July 10th.

HENRY H. BARROWS & SON

WHITMAN, MASS.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN

SHORT HILLS, N. J.

Please mention the Exchange when writing.

JACKSONVILLE, FLA.—The Jacksonville Floral Co. and Mills the Florist, Inc., made an exchange of properties on June 20, the transaction involving approximately a value of $15,000. By the new arrangement the Mills Co. takes over the greenhouse property at Greenwood Cemetery of the Jacksonville Floral Co., and the latter company takes over the greenhouse property at Oak and Osceola sts., Riverside, of the Mills Co. The reason for the exchange is a matter of convenience, so that the Mills Co. can have control of all the cemetery work which heretofore has been divided.

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Am Spawn Co 4
Anderson J F.....10
Andorra Nurs 8
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Aschman Godfrey..13
Atlanta Floral Co..20
Baer Julius 20
Barrows H H & Son 10
Barteldes Seed Co The 3
Baur & Smith 13
Bayersdorfer & Co H 36
Bay State Nurs The 8
Bayview G'houses .25
Beaulieu 5
Beaven E A 24
Beckert W C..... 4
Benjamin S G.....31
Berger H H & Co. 3
Bertermann Bros Co 20
Black Chas 8
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For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DELAMARE CO. (Puhrs. F. E.)
P. O. Box 1697, New York.

APHINE

Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

$2.50 per gallon, $1.00 per quart.

Buy from your Seedsmen, or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40 cents.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

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Nut Notes

The 1910 Convention of the National Nut Growers Association will be held at Monticello, Fla., Nov. 1, 2 and 3.

Not till within recent years were the arts of budding and grafting common Pecan trees with the finer sorts, worked down to the point of practical utility. Years of patient experiment were required and other years of watching and waiting. The degree of success that has been attained furnishes ground for a just pride, if not a pardonable vanity, on the part of the pioneers in the new industry.

Through the Southern States no fruit or nut tree is better adapted for general planting or more worthy of careful cultivation than the Pecan. It is to the South what the Apple is to the North—worthy of a place in every fruit-garden, on every lawn, and the most important tree from the standpoint of the orchardist. The Pecan fits well into the general farming of the regions to which it is adapted. It must be planted farther apart than other fruit trees, leaving ample space for the cultivation of general farm crops. These crops may be grown advantageously, with benefit to the trees, and will more than cover the cost of maintenance, until they commence to bear.

New Orleans

B. M. Wichers, the wholesale Fern grower at Gretna has a new Fern, a sport from Nephrolepis Piersonii, which is rather promising. Instead of the pinnæ being subdivided as in the ordinary Piersonii the tips of the pinnæ are bifurcated as in the fishtail Fern, and the apex of the fronds is heavily tasseled, which altogether makes it a very distinct and pleasing variety. Mr. Wichers states his intention of taking some specimens of this Fern to the Rochester convention. He has put his propagating house to a novel use during the Summer, using it as a turtle hatchery. He places from a hundred to a hundred and fifty eggs in a large Azalea pot, covers this with Sphagnum Moss, inverts a pot saucer over each pan and waits patiently for the young turtles, which he ships to a New York firm, who again reships them to Europe. He raises three species: the diamond back, Mobilians and the snapping turtle.

And yet another sport of the Boston tribe! This is the property of Ahele Bros. and originated among their Barrowsii Ferns. This is a very pretty thing and in the hands of one of the large firms of new plant disseminators should become very popular. While all previous sports have won their laurels on a similarity of character, this one has made a break in an entirely new direction. The rachis of the frond becomes branched an inch or so above the soil and these branches become again divided, and although the entire frond has an erect growth the ends of the divisions droop gracefully, giving to the whole plant a most charming plumose effect.

C. W. Eichling is daily cutting Lily of the Valley, which is his Summer specialty. He has been making nice displays of Shasta Daisies, Gladiolus, etc.

CRESCENT CITY.

Felton, Del.

Henry J. Anstin of Felton, Del., prominent in the raising and sale of plants of all kinds, and Miss Bertha R. Foraker of Marydel, Md., daughter of M. C. Foraker, one of the most prominent farmers in that section, were married at the home of the bride on Wednesday, June 29. After the ceremony the happy pair started for an extended trip through Canada taking in Niagara, the Thousand Islands and other places of note on their route. On their return they will be at home to their friends at the Anstin Plant Farms near Felton.

Newport, R. I.

At the recent show the display of orchids by the Julius Roehrs Co. was staged by and in charge of C. H. Maynard, who appears to be quite popular with the boys.

The Blue Rose, as seen at the exhibition, is not much admired.

A lady visitor expressed her regret at the fact that all of her pink Dorothy Perkins Roses have turned white.

The best novelty seen was a Pompon Chrysanthemum of the laciniata type, pure white in color; it will be a gem for making up.

Mr. Carl Oberheitman, decorator for Wadley & Smythe, with his wife, have arrived for the season.

Carl Jurgens has abandoned his Mill st. place where so much fine quality Valley has been raised in the past and will set apart several houses for Valley at his establishment in Middletown.

A range of glass is being planned for at the Commodore James place on Castle Hill.

ALEX. MACLELLAN.

Seventeen Years' Experience Back of Our Methods of Palm Growing



Seventeen years and every year we have learned something new! Then it was only a small feature of our business; now we have several large houses devoted to Palms alone, in all stages from the little seedling plant to stately specimens in large tubs, such as we show here. Our men, some of whom have literally "grown up with the business," are real palm experts.

Such Palms as we grow *must* be better than ordinary imported stuff, and they *are*, as any number of our customers will gladly testify. Ours are clean, vigorous, healthy acclimated: you can depend on them to give satisfaction, to please your trade, to bring you *more business*. And yet, as you'll see, our prices are no higher than you'd pay for the ordinary imported stock.

Let "Heacock Quality" guide you in placing your next order—we will give you the benefit of the choicest selections from this splendid stock, and can make shipments promptly.

Areca Lutescens
3 plants to pot.
6-in. pot, 26 to 28 in. high, $1.00 each.
7-in. pot, 30 to 32 in. high, $2.00 ea.
8-in. pot, 36 in. high, $2.50 each.
8-in. pot, 42 in. high, $3.00 each.

Kentia Belmoreana
5-in. pot, 6 to 7 leaves, 18 in. high, $6.00 per dozen; $50.00 per 100.
5-in. pot, 6 to 7 leaves, 20 in. high, $9.00 per dozen; $70.00 per 100.
6-in. pot, 6 to 7 leaves, 22 to 24 in. high, $1.00 each; $12.00 per dozen.
9-in. tub, 6 to 7 leaves, 42 to 48 in. high, $5.00 each.
9-in. tub, 6 to 7 leaves, 6 feet high, $7.50 and $8.00 each.

Cocos Weddellian a
2½-inch pot, 8 to 10-in. high, $10.00 per 100.

Made-Up Kentia Forsteriana
Each
9-in. tub, 4 plants in tub, 42 to 48 in. high $4.00
12-in. tub, 4 plants in tub, 6 feet high. 16.00

Phoenix Roebelinii
Each
5-in. pots, nicely characterized.. ..... $1.00
6-in. pots, nicely characterized.. ..... 1.50

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Plesss mention the Exchange when writing.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants...$8.00 per 100; $76.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$6.00 per doz.; $45.00 per 100

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $46.00 per 1000
4-in. pots, strong plants..$16.00 per 100; $120.00 per 1000
7-in. pots, strong plants....$9.00 per doz.;$65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants .....$24.00 per doz.

Neph. Todeaoides
2¼-in. pots, strong .....$6.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants..$16.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 3 plants to pot, 30-34 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $36.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $6.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$26.00 per 100
5-in., well colored .....$60.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$6.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Plesss mention the Exchange when writing.

Providence, R. I.

J. A. Budlong & Sons Co. are cutting from 1400 to 1500 Roses a day; these average in price, according to their seven grades, from 2c. to 15c. each. They claim prices are more on a normal basis than ever before, and the Providence trade realizes that it is better to purchase first-class stock at home than go elsewhere. They have commenced to replant some of their houses, and will put one into A. Sprengeri.

Wm. Chappell reports business good with him. Burke & Burns took possession of their new venture June 30.

John M. Greene intends to purchase a place and to erect some greenhouses on same in near future.

The store of J. Koppleman & Co. has been renovated and presents a fine appearance. They report business very good; best graduation week since they have been in business.

Visitors: J. H. Cushing, Quidnick, R. I.; Mrs. D. E. Newell, Attleboro, Mass.; M. J. Leach, Pawtucket, R. I.

The weather for the past few days has been very hot and the top soil is baking hard, the continued cold wet spell breaking with the extremely hot and dry one which took its place.

Business has been good; Roses and Carnations have been coming in plentifully.

T. Curley had large decoration the past week as well as plenty of bouquets, for graduation.

T. J. Johnston & Co. of Weybosset st. were busy during graduation days, one of their best weeks, with plenty of stock of a No. 1 quality.

Wm. Hay reports business good in his new wholesale store on Clements st.

Samuel Kinder of S. Kinder & Bro., Bristol, R. I., was recently appointed Tree Warden of that city; Bristol appropriated $1000 for spraying of shade trees.

Prices Current: My Maryland, Richmond, Bride, Bridesmaid and Killarney Roses—firsts, $8 per 100; seconds, $5 to $6 per 100; thirds, $1 to $3 per 100. Carnations: Firsts, $2 per 100, down to 50c.; Lily of the Valley, $3 to $4; Cut Ferns, $1.25 to $1.50; Adiantums, $1; Lilies, 5c. to 8c. each; Sweet Peas, 35c. to 75c.; Centaurea cyanus, 25c. to 50c.

H. C. N.

A communication was received at the office of The Florists' Exchange from the above city last week which, had it been published, would have been the cause of considerable chagrin to many in the trade there. The communication was sent for verification to the parties at interest, and was returned to this office with the statement that the communication was a fabrication from beginning to end. We have taken the usual course in this matter and placed the communication in the hands of the police of Providence for investigation.

Washington, D. C.

The torrid wave of last week, and the adjournment of Congress on Saturday, virtually ends the season of business activity for Washington. The exit of the society people usually occurs much earlier in the season and was only delayed by the cool Spring and late adjournment. Dinner parties and receptions are now a thing of the past and the heretofore busy florist will have time for reflection, to send out all of his old bills, size up local conditions relative to contemplated improvements, and to fit action to the word.

The stores have already taken on their Summer garb of Palms and Ferns, and many of them have also installed their aquatic window displays, producing a cool and restful effect. Some fine Gladioli are coming in from nearby greenhouses which lend a touch of color to the general effect of the Summer decoration, occupying space in well-placed vases among the greens.

The various growers are making repairs to houses and equipment, cleaning out and making ready for the Fall trade.

Funeral work will constitute the chief item of business from now until cool weather.

Edw. S. Schmid is trying to fix a date with President Robertson for his annual entertainment of the Club and crab feast, but at present the time is undecided.

JAS. L. CARBERY.

Syracuse, N. Y.

For the first time in the history of this city a Rose show was held on June 20 and 21. The Rev. Dr. E. M. Mills, a retired Methodist minister, and a Rose enthusiast, was the promoter. Unfortunately the dates chosen were not favorable for a large attendance, as the city was full of soldiers and sailors, brought here for the dedication of a beautiful $100,000 monument, consequently everyone was thinking more of the parade than Roses. In spite of all the show was a success, and all expenses were met. There were some remarkably good blooms shown by several private exhibitors, as no one in the trade took part, which is to be regretted. There were 25 classes with 35 prizes, all good ones. The first prize for private gardeners, a silver cup, value $10, for the best collection, was won by Reuben Hobson, gdr. to Mrs. F. H. Hiscock, with a very fine display. D. M. Dunning, Auburn, staged some remarkably good blooms, and captured a number of prizes. Mrs. Mone was another large exhibitor and showed several new German varieties; one, a deep crimson with very peculiar market petals; at first sight one would think a snail had eaten the edges off each petal; it rejoices in the title of Princess, with a long unpronounceable name added, one I have failed to find in any Rose catalog at hand. It certainly is a novelty, and may suit some, but not the writer.

The prospects for holding a very fine show next year are very bright, as nearly one hundred enrolled as members, and much enthusiasm was shown. One gentleman asked me to put him down for a handsome silver cup and there are likely to be several more offered. Harry Hoffman of Elmira acted as judge and gave universal satisfaction. Messrs. Bartholome, Bellamy Bros., Burt, Henckle, Morris, Meneilly and Quinlan donated handsome special prizes for out of town exhibitors.

Henry Morris, the florist, was taken suddenly ill while talking to your scribe a few days since and was removed to a hospital. I am glad to say he is much better. The excessive heat and overwork the doctor ascribed as the cause of the attack.

H. Y.

TEACHER.—"Now, children, remember that whatever you sow that shall you reap. If you sow Turnip seed you will get Turnips, and if you sow——" Small Janet (interrupting)—"Please, teacher, if I sow birdseed will I get canaries?"—*Exchange.*

FIELD-GROWN CARNATIONS

FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Enchantress	6.00	50.00
White Enchantress	7.00	60.00
Apple Blossom	6.00	50.00
White Perfection	$7.00	$60.00
Snow Flake	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	50.00
Ruby	6.00	50.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock ready about July 15. Send us your order and we will reserve plants for you.

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Carnation Plants

Victory, Pink Enchantress and White Queen. Ready after July 15th. Strong, well-branched plants, $5.00 per 100.

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SHASTA

For biggest returns plant our new white carnation

Shasta.

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

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CHICAGO CARNATION CO.

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Carnations

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The Forests of Alaska

On the coast of southeastern Alaska the average annual precipitation is about ninety inches and trees grow to a large size; in the Central Plateau, the precipitation is less than 15 inches, including the melted snow, and the average size of timber is small; while on the Arctic Slope, north of Rocky Mountains, and the region adjacent to the Behring Sea, climatic conditions make forest growth altogether impossible, and those vast tundras are covered chiefly with moss, sedges and a few small shrubs.

It is estimated that the total forest and woodland area of Alaska is approximately 100 million acres, or about 27 per cent. of the land area of the territory. Of these about 20 million acres may possibly bear timber of sufficient size and density to be used as saw timber, while the other 80 million acres is woodland which bears some saw timber, but mostly only firewood.—From a Bulletin of the U. S. Dept. of Agriculture.

Kalamazoo, Mich.

Cut flower trade during the last half of June has held up well, a great many flowers being used at the school and college commencement exercises. Social events and funeral work also created considerable business and I think I may safely say that the volume altogether exceeded that of any June previous.

The finish of the bedding and plant trade finds a little too much stock left over, but this is accounted for by the very disagreeable weather experienced just at that time when this class of trade ought to be at its height. However, very little grumbling is heard, so I presume plant growers are satisfied with their season. From now on nothing but the Summer dullness is expected and the storemen rest quietly while the growers are busy preparing for next Winter's campaign. The weather is now excessively hot and rain is needed for all outdoor crops.

Kalamazoo City intends to establish a park and boulevard system on a very extensive plan and a committee will soon be named by the mayor to take charge of the project. The Commercial Club also have a committee appointed in furtherance of the same so, before long, we may expect to see a start made.

H. Heithouse who, for the last few years has run a small greenhouse on the west side, recently disposed of his property there and I understand the business will be discontinued.

William Thomas is now busy erecting his new house, having all the material on the ground for its full completion.

S. B.

New Bedford, Mass.

Trade is very quiet here just now, with plenty of flowers coming in. Carnations are still arriving freely, of good quality, and retail at 50c. per doz. Roses retail at $1.50 per doz. Sweet Peas sell at $1 per 100 blooms, though outdoor blooms are commencing to come in, and the price will soon be dropping. A few Snapdragons are to be seen, and flowers of these, too, from outdoors will soon be in evidence. Funeral work is good, and is about what keeps things moving. Plant sales for the season are almost over. This has been a very good season for plants. The demand for Geraniums and Vincas has been enormous, especially the latter, the local stock having been cleaned out. Roses are still in full bloom outdoors, and present a fine sight.

The Rose Show held here on Thursday, June 23, was a great success. It was one of the finest ever held in this city. At the close of the show the flowers were sold at auction and the money received helped to defray expenses. The success of the show was in a large measure due to James Garthley, gdr. to the H. H. Rogers estate, at Fairhaven, Mass., who not only effectively arranged his own splendid exhibit, but helped others. His Frau Karl Druschki Roses were the admiration of all who saw them. Thomas M. Stetson, Wm. Keith, gdr., had a fine showing of Palms, Ferns and other plants, arranged nicely. Miss Sarah B. Fay and M. H. Walsh, Woods Hole, Mass., had their famous Roses on exhibition. A special vote of thanks was given Miss Fay and Mr. Walsh. James Garthley and William Keith. The committee in charge were: George H. Reynolds, chairman, R. E. Swift, James Garthley, Charles A. S. Sherman, and Frank Wood. The show was held by the New Bedford Horticultural Society.

HORTICO.



We Take the Lead

IN WHAT?

WHAT FOOLISH TALK!

In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep you eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.

Robusta Compacta and **Excelsa Glauca,** 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-5-6 year old, 6-7 in. pots, 30-35-40-45 in. high, 75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

KENTIA Belmoreana, 4-5-6 year old, 5½-6-7 in. pots, 25-30-35-40 in. high, 50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Scholzeli,** 5½ to 6-in. pots, 35c.-40c.-50c.; **Scottii** and **Whitmani,** 5½ to 6-in., 35c.-40c.-50c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.

RAMBLER ROSES, such as **Crimson, Dorothy Perkins, Lady Gay,** pot grown, 6-7-8 in. pots, 35c.-40c.-50c.

CANNAS, two best red varieties, such as **Richard Wallace** and **J. D. Eisele,** big plants in bud and bloom, 4-in. strong, $7.00 per 100.

SCARLET SAGE, Clara Bedman, 4-in., $7.00 per 100.

LANTANAS, DOUBLE PETUNIAS, AGERATUM (blue), **HELIOTROPE, FUCHSIAS,** in bloom; **White GERANIUMS,** double **La Favorite,** 4-in., $7.00 per 100 (7c.). **BEGONIA Vernon,** red and pink., 4-in. $7.00 per 100 (7c.). **PETUNIAS,** single; **VERBENAS, PHLOX Drummondi, LOBELIA,** blue, dwarf and trailing; **NASTURTIUMS, Empress of India; DUSTY MILLER, COLEUS Golden Bedder** and **Queen Victoria,** 2½-in. pots, $3.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-5½ in., in bloom, 15c.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

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Just arrived in splendid order:

CATTLEYA Trianae, Bowringiana, Schroederae, Mendelii and **Gigas Sanderiana;** also **LAELIA Anceps** and **Albida.** These plants are fresh collected and in splendid order.

A few **LAELIAS Anceps Alba, $2.50** each.

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ORCHIDS

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Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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ORCHIDS

We are glad to notify our retail customers that we have not anything to do with August Miliang Stare; therefore if you wish to favor us with your orders, call us by telephone, 51L, Madison, N. J., or to our address in Madison, N. J.

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Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

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ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae,** also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL

SUMMIT, N. J.

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Society of American Florists

Department of Registration.

As no objections have been filed public notice is hereby given that the registration of the Rose, "Red Killarney," by A. N. Pierson, Inc., of Cromwell, Conn., becomes complete. H. B. DORNER, Secretary.
June 23, 1910.

Canadian Horticultural Association

The convention of the Canadian Horticultural Association is scheduled to take place at St. Catherines, Ont., the Garden City of Canada, on Wednesday, Thursday and Friday, August 10, 11 and 12, 1910. Wm. C. Hall, secretary, 825 St. Catherine st. W., Montreal, Canada.

The American Gladiolus Society

Certainly, this Society has made unheard of membership progress among the minor organizations. We are informed that already it has over 100 members.

A fine list of prizes has already been offered for the approaching exhibition at Rochester, N. Y., with more in expectation. Undoubtedly, this show will be a leading feature of the S. A. F. annual meeting.

Index to Florists' Exchange, Vol. XXXIX

This index, covering the period from the first issue in January to the last issue in June, 1910, will be shortly ready for distribution. It will contain a complete reference to all matters of interest which have been mentioned during the past six months and we should like every subscriber who keeps full files of the EXCHANGE to have this Index. Subscribers desiring a copy of the index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

Peter Barr Memorial Fund

In conjunction with the efforts being made in Great Britain to raise a fund to commemorate the life work of the late Peter Barr, the general committee of which is composed of the members of the Royal Horticultural Society's Narcissus and Floral Committee, David Fairchild of the Department of Agriculture, Washington, D. C., is circulating a paper in the United States calling upon those who had the pleasure of knowing Mr. Barr personally, and as well those who are lovers of the Daffodil, to assist in this recognition. We are in hearty sympathy with this undertaking.

Mr. Barr was over eighty years of age before he concluded his remarkable trip around the world, and the work which he has done in his lifetime for the improvement of the Narcissus will long remain a standing monument to his lengthy life's labors; this was his greatest task and he has been justly called "King of the Daffodils." He was also interested in the improvement and introduction of Tulips, Hellebores, Michaelmas Daisies, Lilies and other hardy flowers. Further, he was one of the founders of the Royal Gardeners' Orphan Fund and served on the committee of that charity for many years.

With the funds raised it has been proposed to institute a Peter Barr Memorial Medal to be awarded annually in connection with work among the Daffodils, also to make provision for the maintenance of an orphan through the medium of the Royal Gardeners' Orphan Fund.

We feel confident many of our readers would like to contribute to this memorial, and contributions, however small, will be heartily welcome. Donations can be sent direct to David Fairchild, Department of Agriculture, Washington, D. C., or to the office of this paper, where they will be gladly acknowledged. We would like to see Americans lead.

Exhibition of the Perpetual-flowering Carnation Society at London

The late Spring exhibition of this progressive Society was held on June 9 and was an advance on any of the previous shows. No fewer than six of the trade growers competed in Class 1 for a display in not less than 12 varieties, on a space 10 ft. by 3 ft. W. H. Lancashire, Guernsey, won with handsome bunches of Enchantress, Mikado (purple), Winsor, Mrs. H. Burnett (salmon), Rose Doré, President and Afterglow. Mr. C. F. Waters, Balcombe, Sussex, was second, and had his own new seedling, Edith Waters, which is a fine cerise flower, quite an improvement on Mrs. Lawson in size and color, as shown by him, but unfortunately I noticed that the calyx bursts in some of the flowers. That seems to be the difficulty with so many of our new flowers. They have size and fine color, also long stems and all the rest, but they are weak in the calyx.

In the special color class, 25 flowers of a sort, the following proved the winners in their respective sections: White—White Perfection. Scarlet—Beacon and Britannia. Crimson—Carola. Fancy—Bay State. Any other self—Rose Doré, reddish salmon.

In the class for American novelties in competition for the American Carnation Society's cup, W. E. Wallace, Eaton Bray, Dunstable, led with May Day, Afterglow and Pink Delight. Second, Bertie Bell of Guernsey, with the same varieties. Third, H. T. Mason, Hampton Hill, Middlesex, with May Day, Afterglow and Mrs. J. C. Vaughan.

The Society gave its award of merit to the American Pink Delight and Superior; and its higher award, the first-class certificate, to a beautiful English seedling, an improved, deeper tinted Enchantress, named Empire Day, from H. Smith, Enfield Highway, the raiser of Britannia.

New York Florists' Club's Outing

The outing of the New York Florists' Club, which took place on Tuesday, June 28, was a great success. In spite of the fact that a heavy rain prevailed during the early morning hours, at 10 o'clock there was assembled at the wharf, East 31st st. and the East River, a goodly crowd, which was guarantee enough that the affair was to have a successful outcome. This gathering, with the arrivals at the point of destination by automobile and other conveyances, made a crowd of about 400. The arrangements made for handling visitors at the steamboat wharf this year were admirable and, with plenty of assistance, Chairman Harry A. Bunyard got his party on board the "Isabel" without any of the disagreeable waiting which has characterized previous outings. As the gentlemen of the party passed on board, they were presented with packages of cigars and matches, while the ladies received Japanese parasols, and the children American flags. It was long after the hour fixed for the start, however, before the "Isabel" left the wharf, the delay accommodating a fruitful crop of late-comers.

The sail to Witzel's Point View Island, although short, was greatly enjoyed, the proceedings being enlivened by musical selections rendered by an excellent orchestra. On arrival at the pier, disembarkation was speedily accomplished, and the party moved at once to the large stand where a group photograph was made. A second photograph was made of the ladies, who arranged themselves on the stand with their open Japanese parasols in front of them, forming a group Geisha-like in character.

By this time all had acquired good appetites, and the call to breakfast was greatly appreciated. Breakfast was served in the large dining pavilion, the arrangements made for handling a large crowd proving most admirable. Breakfast over, the party proceeded to the athletic grounds where the program of sports was at once proceeded with. Each guest had been provided with a copy of the outing souvenir, which contained the program for the day, and the entries were quickly and conveniently made; in fact, so complete were the arrangements that all events were run off ahead of the scheduled times.

The baseball game between the benedicts and bachelors was first called. The bachelors were represented by Messrs. De Meusy, McCoy, Goldberg, J. A. Manda, J. Kessler P. Rigo, G. Sims, Iler and Turney, while the benedicts were Messrs. A. Handel, J. Foley, J. Egenbrod, W. Bogart, Klein, Hornecker, Hunter, Hoffmire and Scott. An exciting game was played, resulting in a clean victory for the benedicts. R. M. Schultz was umpire.

At the same time, the ball game for boys under 14 was in progress, the boys putting up a pretty good game. The races for girls followed, the events all being well filled with entries.

The ladies' races were a source of much amusement to the onlookers, and it was surprising to see how many ladies were possessed of athletic tendencies. There was a little hesitation among those who desired to run in the race for ladies over 40 years of age, but this hesitation was overcome when it was announced that the age would be reduced to 39. The ladies' walking match resulted in a little quibble as to the difference between walking and running, and it certainly did seem to an observer at the finishing point that there was a good deal more running than walking.

The fat men's race was an interesting one, and the fact was much commented upon that the Club is getting a splendid representation of fat men. While at former outings two or three only claimed the honor of being fat men, this year the entries were numerous.

The prize for the largest family at the outing slipped away from the Schmutz family this year, going to Phil. Einsmann of Astoria, whose family numbered ten members.

In the bowling matches, both for ladies and gentlemen, the usual interest was taken, and the number of entries was very large. Perhaps the feature of the program most pleasing to the gathering was the exhibition dancing in which Misses Jeannie and Annie Birnie and J. H. King took part, giving some Scotch reels and dances.

President Miller was responsible for a series of consolation prizes, both for ladies and gentlemen, in entries for which only those who did not win or compete for any prizes during the day were eligible. The games, the nature of which was not divulged until the time of starting them, consisted of a stand of flower pots each bearing a number, into which, from a given distance, the players had to cast five balls, those scoring the greatest number of points being declared the winners.

Upon the conclusion of the games, the party adjourned to the dining hall where an excellent dinner was served, after which everybody proceeded leisurely to the boat and embarked for the homeward trip. To lengthen the sail, the boat was headed up the Sound a short distance before turning homeward.

The prizes were all distributed on the boat by Chairman Bunyard, assisted by J. A. Rassbach and F. H. Traendly. The wharf was reached about 9.30, everybody greatly pleased with the outing.

The committee in charge of the affair was composed of H. A. Bunyard, chairman, Jos. Manda, Louis Schmutz, Jr., J. K. Allen, John Birnie, W. G. Badgley, Chas. Schenck, J. A. Rassbach, R. G. Wilson, H. Weston and Phil. Kessler.

A feature of the return trip was the presentation to Chairman Bunyard of a handsome purse in recognition of his services in conducting the outings for two years.

The Prize Winners

Ladies' Individual Bowling Match, three full frames. 1st prize, $10.00 in gold, by Samuel Thorne; 2d prize, $5.00 in gold, by Arthur T. Boddington; 3d prize $5.00 in gold, by Philip Kessler; 4th prize, $3.00, by Alfred Zeller; 5th prize, $2.00, by Henry Hornecker.—1, Miss L. Whitman; 2, Miss Mathews; 3, Mrs. Donaldson; 4, Mrs. Kingston; 5, Tie by Mrs. Moltz and Mrs. Foley.

Girls' Race, 4 years and under, 25 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by John Coan—1, Martha Schmutz; 2, Edith Gloeckner; 3, Ethel Kessler.

Girls' Race, 5 to 6 years, 35 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Robert Simpson—1, Dorothy Rossbach; 2, Mary Smirk; 3, Genevieve Einsmann.

Girls' Race, 7 to 9 years, 75 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by William Hageman Co.—1, Eloise Schmutz; 2, Gertrude Schimel; 3, Anna Schwacke.

Girls' Race, 10 to 12 years, 90 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize $1.00; by Charles Schenck—1, Barbara Miesem; 2, Alice Walter; 3, Katherine Mason.

Young Ladies' Race, 13 to 15 years, 100 yards. 1st prize, $3.00; 2d. prize, $2.00; by J. A. Rassbach—1, Mary Einsmann; 2, Ellen Lenker.

Young Ladies' Race, 16 to 19 years, 100 yards. 1st prize, $5.00, by Harry Turner; 2d prize, $3.00; 3d prize, $2.00; by E. C. Horan—1, Annie Birnie; 2, Jeannie Birnie; 3, Katherine Walter.

Ladies' Race, 20 to 25 years, 100 yards. 1st prize, $10.00, by Patrick O'Mara; 2d prize, $5.00, by J. L. Jones—1, Agnes Birnie, 2, Millie Weston; 3, Mrs. Mills.

Race for Members' Wives and Daughters only, 100 yards. 1st prize, a handsome embroidered centerpiece, 23 inches in diameter, by Mrs. J. H. Pepper (value $10.00); 2d prize, $5.00 in gold, by Anton Schultheis—1, Agnes Birnie; 2, Annie Birnie.

Exhibition Dancing. 1st prize, $3.00, by Chas. B. Weathered; 2d prize, $2.00; 3d prize, $1.00; by C. Lenker—1, Jeannie Birnie; 2, Annie Birnie; 3, J. H. King.

Married Ladies' Race, 75 yards. 1st prize, $10.00, by President (S. A. F.) F. R. Pierson; 2d prize, $5.00, by J. Austin Shaw; 3d prize, $3.00; 4th prize, $2.00, by Alfred Langjahr—1, Mrs. Handel; 2, Mrs. Salkind; 3, Mrs. Kingston; 4, Mrs. Whitman.

Ladies' Race, over 40 years, 25 yards. 1st prize, Bolt Ribbon, value $5.00, by Schloss Bros.; 2d prize, $3.00; 3d prize, $2.00; by W. G. Badgley—1, Mrs. Iler; 2, Mrs. Junghans; 3, Mrs. Powell.

Ladies' Walking Match, 150 yards. 1st prize, Silver loving cup, value $10.00, by M. A. Bowe—1, Alice Donnelly.

Ladies' Race, weight 175 pounds or over, 35 yards. 1st prize, $3.00; 2d prize, $2.00; by Austin Franklin Faulkner—1, Mrs. Schimel; 2, Mrs. Langjahr.

Tug of War, best two in three. Seedsmen vs. Florists, 10 men a side. $10.00 in gold to winning team. Prize given by Henry & Lee—Won by the Florists, who were: Rassbach, J. Manda, C. Lenker, King, Killy, Hornecker, Falvey, Weisman, W. Smith, Einsmann.

Boys' Race, 4 years and under, 35 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Burnett Bros.—1, P. Einsmann; 2, Weismann; 3, C. Traendly.

Gentlemen's Individual Bowling Match, three full frames only. 1st prize, $5.00 in gold, by John I. Raynor; 2d prize, Revero Hose, value $5.00, by E. W. Holt; 3d prize, $4.00, by Treasurer Rickards; 4th prize, $3.00; 5th prize, $2.00; by Louis Schmutz—1, J. Fenrich; 2, P. O'Mara; 3, L. Schmutz, Sr.; 4, —— Schwacke; 5, —— Kreckler.

Running Hop, Step and Jump. 1st prize, $3.00; 2d prize, $2.00; by Joseph Manda—1, Wm. Iler; 2, J. H. King.

Boys Race, 5 to 6 years, 50 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by W. H. Siebrecht—1, —— Miesem; 2, P. Kessler; 3, —— Schmutz.

Boys' Race, 7 to 9 years, 75 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Frank H. Traendly—1, Walter Pepper; 2, ——Walter; 3, —— Morrissey.

Boys' Race, 10 to 12 years, 100 yards. 1st prize, $5.00, by W. B. DuRie; 2d prize, $3.00; 3d prize, $2.00; by Gunther Bros.—1, Fred Pepper; 2, —— Manda; 3, —— Burnett.

Race, Cut Flower Growers only, 100 yards. 1st prize, $5.00, by Moore Hentz & Nash; 2d prize, $3.00; 3d prize, $2.00; by Alex. McConnell—1, Hunter; 2, Whitman; 3, King.

Boys' Race, 13 to 15 years, 125 yards. 1st prize, $5.00, by Kessler Bros.; 2d prize, $3.00; 3d prize, $2.00; by John Donaldson—1, P. J. Walter; 2, Harvey; 3, Bogert.

Quarter Mile Race. Men 19 years and over. 1st prize, $5.00; 2d prize, $3.00; 3d prize, $2.00; by The Yokohama Nursery Co.—1, Paul Rigo; 2, ——Schwartz; 3, D. Ciacci.

Boys' Race, 16 to 18 years, 150 yards. 1st prize, $5.00, by A. R. Kennedy; 2d prize, $3.00, by J. G. Esler; 3d prize, $2.00, by P. F. Kessler—1, Iler; 2, Goldberg; 3, Lowry.

Fat Men's Race (Members only), 200 lbs. or over. For each pound over 200 lbs. one foot handicap allowed, 100 yards. 1st prize, $5.00, by W. F. Sheridan; 2d prize, $3.00; 3d prize, $2.00; by J. Birnie—1, P. Einsmann; 2, G. Harvey; 3, F. H. Traendly.

Married Men's Race, members only, 75 yards. 1st prize, $3.00; 2d prize, $2.00; by M. C. Ford—1, Hoffmeyer; 2, Wiseman.

Growers' Race, 100 yards. 1st prize, "American Carnation," by C. W. Ward; 2d prize, "Book of Water Gardening," by Peter Bisset; 3d prize, "Plant Culture," by Geo. W. Oliver. Prizes donated by The Florists' Exchange—1, H. Hornecker; 2, Weisman; 3, Suzuki.

Three-Legged Race, men and boys only. 1st prize, $5.00 ($2.50 each), by H. Weston—Dead Heat, prize divided—E. Manda and A. G. Handel; Paul Rigo, and B. Jacobs.

Press Bowling Prize, five frames. 1st prize, $3.00; 2d prize, $2.00; by M. C. Ebel. For representatives of the horticultural press—1, J. A. Shaw; 2, J. H. Pepper; 3, A. F. Faulkner.

The Sack Race. Boys only. 1st prize, $3.00; 2d prize, $2.00; by Robert Koehne—1, Geo. Harvey; 2, E. Manda.

Race for Seedsmen only, 100 yards. 1st prize, $3.00; 2d prize, $2.00; by Chairman Harry A. Bunyard—1, Al. Rickards; 2, R. Catt.

For the largest family at the Outing. Members to be present. $5.00 in gold, by Vaughan's Seed Store—Mrs. Einsmann for a family of ten.

Ellwanger & Barry (Rochester, N. Y.) Rose Gardens

Fifteen acres of a Rose garden were in bloom or coming into bloom on June 24, and the display combined tens of thousands of Roses of almost every tint imaginable, even to the blue Rose. Among the varieties mentioned in a recent article in the Rochester Democrat and Chronicle were Margaret Dickson, a variety with white petals and flesh tinted center. Snow Queen, a pure white Rose, as large as a saucer, with sturdy habit and beautiful buds; it is said to be the very choicest of the white Roses. An old favorite, La France, is at home in the gardens with thousands of its delicate blooms, and by its side grow long lines of bushes heavily laden with the comparatively new and superlatively beautiful Killarneys. Ulrich Brunner attracts attention by its marvelous color, and J. B. Clark, a new variety, is one of the best of the pink Roses. The new climbing Rose, Thousand Beauties, is well named. It attracted much attention from visitors to the gardens and divided honors with the white Japanese Rose, Nova Zembla.

In another week Climbing Roses will be in their prime and provide a mass of bloom dazzling to the eye and covering a space as large as a city block. The new Rambler, Philadelphia, which is a great improvement on the famous Crimson Rambler, may be seen growing in luxuriance. Other varieties such as Gruss an Teplitz, a German Rose with beautiful red blooms that continue all Summer, and the blue climbing Rose, which is the great novelty of the present day, with its thousands of delicate violet-blue flowers, keep the visitor's mind and eye entranced and make a choice impossible.

From the Rose beds where the air is fairly oppressive with fragrance the favored Rochester resident may walk down what William Barry, who is known the civilized world over as the greatest authority on Roses, calls the "grass walk," strolling between row on row of beds of hardy blooming plants from the choicest and newest varieties to the old favorites.

Just before the end of the grass walk is reached a gorgeous vision breaks on the eye. Thousands of Peonies massed in a ten-acre field, toss tens of thousands of blooms in the air. The blossoms are in almost all the colors of the rainbow and many of them rival the Rose in fragrance.

At the time the article was written, June 24, the Peonies were still in bloom, and of these the correspondent of the above mentioned paper says as follows:

Culture of the Peony has progressed by great strides during the past few years and the latest Japanese varieties give the supremacy of the Rose as Queen of Flowers a vigorous battle. The Rose retains its lead only through its delicacy of color and modeling.

Among the newer varieties are the French kinds, La France, which is a replica enlarged of the La France Rose with all its beauty of coloring; the white La Lorraine, the cream-colored Soutagne, the white La Cygne and the Japanese beauties, Fujimene, which has white guard petals and yellow center; Mikado, whose outer petals are purple, with a magnificent yellow center; Kasamanestishi, which is pink with a yellow center. The Plutarch, a beautiful deep red; the famous black Peony, M. Martin Cahuzac, and Kochonomi, probably one of the most remarkable of the Peonies are all to be seen, not in isolated blossoms, but in masses of hundreds and even thousands.

Only a few of the leading Roses and Peonies have been mentioned. The visitor may spend a morning, an afternoon or a whole day at the garden reveling in its beauties, and then not be able to appreciate its greatness.

The open-handed generosity of the firm of Ellwanger & Barry in inviting the residents of Rochester to visit the gardens every day, except Sundays, in order that all might have the opportunity of enjoying the beauty of the flower gardens, is highly appreciated by the people of that city.

A. N. Pierson's New Roses

On page 1113, issue of June 25, mention was made of some of the new Roses to be disseminated by A. N. Pierson of Cromwell, Conn. The new Red Killarney, we now understand, is not to be placed on the market until 1912. Additional particulars as to the new Roses of this company follow:

A light pink sport of Maryland, which has been registered under the name of "Lady Cromwell," is considered by those who have seen it to be a very valuable addition to the list of forcing Roses. In color it might be described as a shell pink with a deeper orange pink center, being almost the color of an Enchantress Carnation.



The New Vincent Range at White Marsh, Md.

R. Vincent Jr. & Sons Co's New Range.

The illustration here presented is of two houses built last Fall, the first of what is to be, when completed, a block of 6 houses, (Block E) each 35 x 250 ft. and 14 ft. to the eaves, with 1¼" iron-pipe purlins, placed by 1" pipe, fastened with Lord & Burnham clamps and Lord & Burnham material as to bars, sash and gutters. All woodwork was dipped in creosote before being set on home-cut Red Cedar posts, 7 ft. high. The sides are of double board, paper lined; continuous ventilation is provided, opening both sides of ridge, operated with Evan's machines, two being used to the run, making 4 in each house; 10,000 ft. of glass were required to each house.

Through this past Winter the two houses were heated by one No. 12 Furman brick set boiler which, by the way, is set in concrete instead of in brick. The flow is carried in a 4" pipe along the purlins of the farthest house from the boiler; at every table a 2" drop pipe and valve carries the steam to three 1" pipes, running the full length of the table to a 4" return, there being connected by a valve, thus enabling the steam to be turned off from under any particular table. From the boiler room, which is at one corner of the houses, there is a natural rise of about 3 ft., and as the houses are built on the same grade the piping was easily arranged at a regular distance beneath all the tables.

Instead of the tables (which are 5 ft. 6 in.) running the same as the house, they are built across the two houses, with 18" walks. Along the side of the first, third and fifth house, there is a 4 ft. walk, connected by a passage to the pottery shed, so as to use a wheelbarrow in hauling the plants. The barrows used are of the ordinary type with a platform hinged at the handles, then set on a spring at the front; they will carry three flats, each holding 70 2" or 35 3" pots. As there are 35 tables in these two houses, there will be 105 tables in the block, each holding over 8000 2" or 4000 3" pots, so that when finished the six houses will hold over 840,000 2" pots. Block E will be added to the Geranium department. The two houses now complete are filled with Geraniums in 3" pots, most of which will be carried over for early Fall orders.

This Rose, however, will not be disseminated next season.

Another new Rose which this firm is handling is a very beautiful shell pink, which is an exceptionally fine Summer Rose. This Rose was imported from France some years ago but, owing to a tendency to a less active growth during the Winter months, its true value as a producer of high-grade bloom throughout the hot weather is not known. It has not, therefore, to date, become a general favorite, but with the demand for Summer Roses of high quality this Rose has come into prominence. This Rose will be shown during the coming season and stock offered for sale another year.

Obituary

A. A. Bowen

A. A. Bowen, aged 66, for years a florist in the employ of J. A. Imlay, and living at 550 Woodlawn ave., Zanesville, O., died at the Bethesda Hospital in that city on Thursday morning, June 16, after a two weeks' severe illness from complications. Beside a daughter, Mr. Bowen is survived by his widow, a son, and a brother and sister.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

The gable of the house can be boarded up solid with matched sheathing and asphalt paper, if desired, allowing for a door in same, but Fig. 29 shows an elevation of a gable for this house with solid glazing down to the level of the sill "B." This sill "B" is the same as the side of the house and is carried round on the same level and secured to the door jambs, "M." These door jambs extend from the rafters "C" to a point about 3 ft. below grade, the ends of same in the ground being treated the same as side posts in the house.

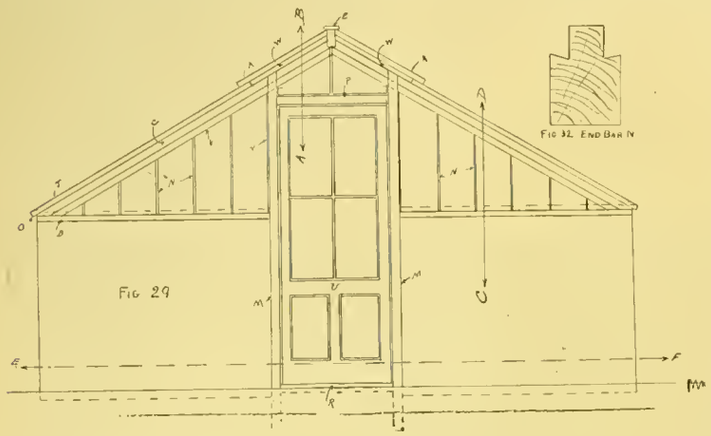


Fig 29

Fig 32. End Bar N

From the sill "B" to the rafters "C" at the end of the house, extend end glazing bars "N," a large detail of which is shown in Fig. 32. These end bars are made out of about 1¾ in. x 2 in. Cypress, and as there is only a small quantity of same required for one gable, approximately about 24 ft., the lumber can be easily planed out by hand if it is not convenient to secure finished stock when purchasing the hotbed sash used for the roof. Where the end bar "N" comes against door jamb "M" it can be sawn in two, so as to form a seat for the glass and have a flat side against the door jamb.

Fig. 30 shows the section through gable at CD. This shows the end hotbed sash "J" resting on the rafters "C," to which is nailed a special piece "V" to receive the top of the glass in gable. This is made of 2 in. x 1 in. Cypress. This piece can also be planed out by hand if it cannot be conveniently secured ready milled. There will only be about 16 ft. required for this width house. This section shows how the end bars extend from the glazing piece "V" and rafters "C" to the sill plate "B," at both of which points the end bars should be nailed securely, care being taken to see that these bars are placed square, and an equal distance apart, allowed a little play for the glass. The construction of the side wall below the sill is the same as at the sides of the house.

Fig. 31 represents a section through AB. This shows the end sash "K" and also a small filling piece "W," necessary to fill in the space between rafters "C" and sash "K" at the end of house. This is made from 2 in. x 3½ in. Cypress. The section shows the door jamb "M" and the door header "P" in relation to the top of door "U." It will be seen that on top of header "P" is placed a small quarter round piece. This should be about ¼ in. or ⅜ in., and is placed on top of the header "P" so as to form a seat for the two small triangular lights of glass above the door header. Beneath the door header will be seen the door stop "T," which extends down both the door jambs and across the top header. This piece may be about 1 in. x ½ in.

Fig. 33 shows cross section EF through the gable, with the relative position of all the members above mentioned at this point. It also shows a plan of door sill "R." This sill should be made with a bevel on the outside so as to shed the water, and the top of the sill should be placed not less than ½ in. above the top of the walk of the greenhouse.

There will be noticed on section EF a small piece marked "Y," shown secured to the door jamb "M." This is to admit of the sheathing "G" being secured at this point, and this piece extends from the bottom of the sheathing to the sill "B." It is made from 1½ in. x 1½ in. Cypress. It will be noticed that the sheathing extends from side post "A" to door jamb "M" without any further support. This will be all right in the house of the width shown, but if this house was made wide enough to admit of using four 6-ft. sash across the roof it would be necessary to place a 2 in. x 3 in. post midway between the post "A" and the door jamb to which the sheathing would be secured. This piece should extend from the sill "B" to a point 3 ft. below grade.

Fig. 34 shows a partial roof plan of this house before the sash has been placed in position, and shows the relation of the various parts at this point. As before stated, the purlins "F" are cut the proper length to extend between the rafters "C," to which they should be secured by nailing. Where the ridge is joined it should be made with a long splice and arranged to come over one of the rafters "C."

As will be seen from the inspection of the drawings, this house is constructed with members of such a character that they can be secured in almost any part of the country, and with the exception of two parts as before mentioned they will not require any special milling. Of course, it will be necessary to purchase the sash and the doors from a regular manufacturer, and all of the material, with the exception of the posts and siding, should be of the best quality Red Gulf Cypress, absolutely free from sap and large loose knots.

The siding, as before stated, may be of Cedar; or sometimes it is easier to secure a good quality of Pine. This house will make a good, durable house, but it is presumed that where a house of this character is built the matter of the maximum of light is not of the greatest importance. However, a grower who knows his business can produce excellent results in certain characters of crops, and if the material is of the quality above mentioned it would make a durable house, much better than a type with which many a successful grower has had to start with in the past.

In placing the posts for this house, it is absolutely necessary to see that they are set square and plump. A good method of squaring a house is that known as the 3, 4, 5, method and described in connection with the construction of house shown in Fig. 27. We cannot impress too strongly upon a builder the necessity of having all the members set absolutely square, otherwise there will be a great amount of difficulty in the proper erection of the house. As before stated, the ground should be leveled off, and if any filling is required the posts, if possible, should be set before the filling is done.

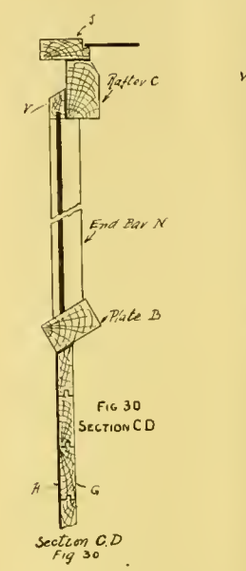


Fig 30 Section CD

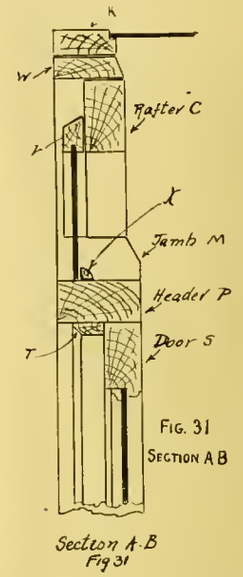


Fig. 31 Section AB

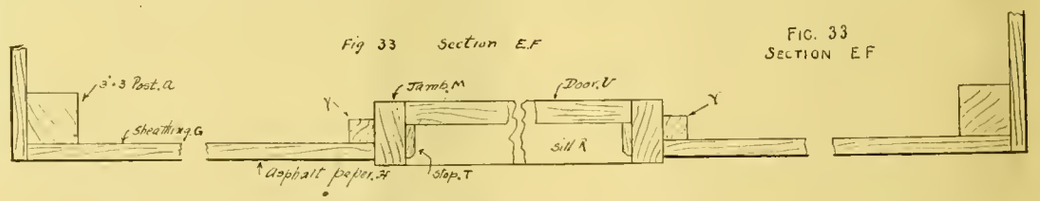
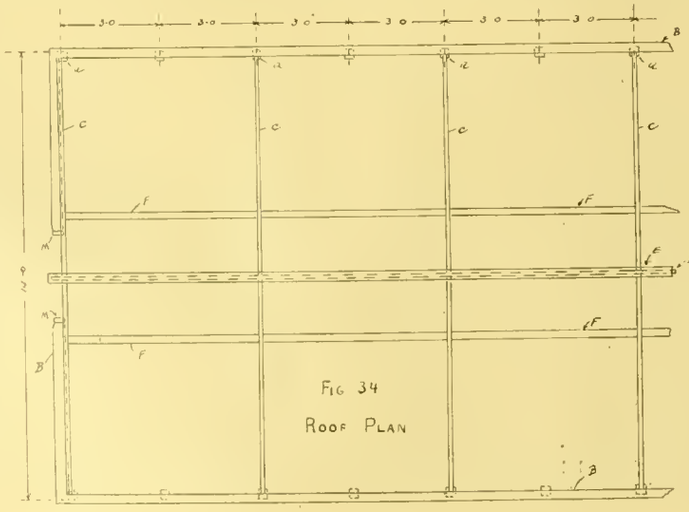


Fig 33 Section E.F

FIG. 33 SECTION E.F



New Geranium J. T. Hamilton

Seeing how popular Geraniums are in the United States, it is worth recording that J. T. Hamilton is one of the most promising varieties of recent introduction. This is a hybrid between the dwarf zonal Ethel Lewis and the Ivy Souv. Chas. Turner. It is distinctly a bedder and, for a climate like yours, it should prove good, as it is a fine semi-double, a type that is not generally used for outdoor work over here because the dampness causes them to rot. J. T. Hamilton is a dwarf grower with well marked leaves, while the flowers are carried on long stems in great profusion. The color is brilliant cerise crimson. When first exhibited it gained an award of merit.

Speaking of Geraniums for bedding work I need hardly say that the single forms are almost entirely used for the purpose and, for years past, Henry Jacoby has been to us what S. A. Nutt is to your growers. In recent years, however, Paul Crampel has come to the front, and its giant trusses and vivid color have put it in the first place. Paul Crampel is distinctly a new type and it reflects credit upon its German raiser. This fact becomes more apparent when such a skilled and discerning zonal raiser as H. J. Jones seizes upon Paul Crampel for breeding, the results of which are now in evidence. Mr. Jones, or rather his wife, who, by the way made the crosses, has reason to be pleased with these fine seedlings, some two dozen of which are now upon the market. All of them possess the great vigor and the giant trusses of Paul Crampel and, when I visited the Lewisham Nurseries, I had the pleasure of seeing many of them. Some trusses bear individual pips 3¼" across and the colors include crimson, scarlet, crimson with white eye, cerise, vermilion, cherry red, deep salmon, scarlet, salmon and rose, rose pink, mauve pink, salmon white centre, orange scarlet, silvery pink, pearly white, rose edged mauve, magenta, pure white and madder rose. I can honestly commend these new seedlings which are superb either outdoors or under glass.

T. A. WESTON, England.

American Seed Trade Association Convention —Conclusion of Proceedings

Thursday Morning Session, June 23

The first order of business on Thursday morning was the report of the conference of the Committee on National Seed Legislation with the National Association of Seed Analysts; this was submitted by Chairman Chas. N. Page of Des Moines, Ia. At the time this conference was held in Boston last December, it was agreed to have the proposed uniform State law which was then agreed upon, printed and sent out by the Department of Agriculture. This will be done this Fall, and it will have behind it the endorsement of the Department.

Chas. N. Page, chairman of the Committee on State Seed Legislation, then submitted his report, and on motion, both the above reports were received and filed.

Secretary Kendel reported that his experience has shown that the legislators are desirous of being informed on seed matters before enacting laws bearing on anything of the kind, and he had received the thanks of the legislative committee in the Ohio General Assembly for showing them a copy of the proposed bill, and giving them other information that they wanted. Secretary Kendel was inclined to think that if the seedsmen will marshal their forces and go before the legislative committees and enlighten them as to what is needed they will be given a careful hearing. All that is necessary is to show them that we are straight and honest in our demands or requests, and that it is our desire to have whatever legislation is enacted such that it can be cheerfully and fully complied with by business men.

At the desire of Mr. May, the bill introduced in the House of Representatives by Mr. Mann, by request, on Feb. 8, 1910, and numbered H. R. 20373, entitled "A Bill to Prohibit the Importation into the United States of adulterated seed and seed unfit for planting," was read by Secretary Kendel and, on motion of Mr. May, the convention voted that the American Seed Trade Association endorse said bill.

The report of the Committee on the President's Address was read by Chairman Chas. H. Breck of Boston, and recommendations 1 to 5, inclusive, were separately acted upon and unanimously adopted.

Hon. W. M. Hays, Assistant Secretary of Agriculture, then delivered his paper, entitled "Recent Science in Plant and Animal Breeding." This will be found in full in our issue of June 25, page 1118.

The report of the Committee on Obituaries (Chas. N. Breck, chairman) will be published in the proceedings of the convention.

The convention then adjourned until the afternoon meeting.

Thursday Afternoon Session

At the Thursday afternoon session the election of officers took place. This was reported by telegraph on page 1117 in our issue of June 25.

A straw vote was then taken as to the place of holding the next convention for the information of the Executive Committee when they decide upon same next January. The vote showed a plurality for East Aurora, N. Y.

President Robinson then appointed Mr. Holmes as a committee of one to find President-elect Page and escort him to the platform; upon his appearance he was warmly greeted by retiring President Robinson who warned him that he would know more about what he was getting into a year from now, and that he was glad the executive mantle was to fall on such broad shoulders so well able to sustain the responsibilities of the position; it appeared of recent years that the Association seemed to have a preference for good-sized men. In response, President-elect Page said, in part: "I appreciate the honor you have conferred upon me, and the confidence you have reposed in me by this election. You know, without my stating it, that no man whom you elect to this chair to preside over your meetings and deliberations can do all the work. It must be done by the committees and by the members, and I believe that each and every one of you who are members have a work to do, and if that work is done by you then this Association will be a great success; and if it is not done by you it will not be done at all. I am impressed, and I think you are, that for the last few years in particular this Association has been growing not so much in numbers but in its work, in its quality, and in its achievements. I believe that it stands for more today than it ever did before, and I see no reason why in the years to come it cannot stand for yet more and more."

On motion, the convention now adjourned *sine die*, and, by request, all repaired to the hotel parlors where there was another event that was not down on the program, a presentation to retiring President Robinson.

When all were assembled, Mr. Frank C. Woodruff, addressed Past President Robinson as follows: "The thing above all others which has made the American Seed Trade Association a success is the fact that it has been able to choose men of ability to head the organization each year; and the fact that these gentlemen have invariably spent time and money unselfishly and generously in behalf of this Association. While such a spirit has been invariably displayed by all of your predecessors yet you have made it especially hard for the man who succeeds you because, in spite of the fact that you live a great many miles from the places where meetings have been held, and that it had been necessary that you spend a great amount of time and money to attend these meetings, you have done so cheerfully. This has been a strenuous year for the Association, and it was fortunate, indeed, that they secured a man who has done as much for the Association as you have. We cannot attempt to discharge it by this gift, which amounts to nothing from a financial standpoint at all, but, sir, it comes from the hearts of this Association's members, and we hope that, in time to come, when you use it, it will bring to mind your many friends in this Association, all of whom will bear with them the pleasantest recollections of your administration and of yourself."

Past President Robinson in reply assured Mr. Woodruff that he greatly appreciated the occasion and the gift, but more so the place that it indicated he had won in the hearts of the members, which he would always value highly; he had felt that he had gotten closer to them during the year of his occupancy of the presidency than ever before during the previous twenty years of his own membership in the American Seed Trade Association. He trusted that the friendships formed would continue throughout life. He desired to again thank all who has assisted him throughout the year.

The remembrance was a solid silver table service, suitably inscribed.



The New Officers of the A. S. T. A.

From left to right:

E. L. Page, Greene, N. Y., president; L. H. Vaughan, Chicago, Ill., vice-president; C. E. Kendel, Cleveland, O., secretary-treasurer.

E. L. Page, President American Seed Trade Association

E. L. Page, of the Page Seed Co., Greene, N. Y., went into mercantile business about January, 1886, as one of the firm of E. L. Page & Co. He had been studying at Cornell for a year when he was called home by the death of his father. His partner was Albert Page, an established merchant in Greene, who had been engaged in general merchandising for a great many years. Inside of a year after his entry into the firm Mr. Page succeeded the firm of E. L. Page & Co. and, at the age of twenty-one, was at the head of one of the largest and most successful general stores in central New York, in the country town of Greene, where he still is. When twenty-three years old he married Miss Cornelia A., the daughter of William F. Russell, of the banking firm of Russell & Juliand. His bride was of Huguenot descent, with some English blood, and his life partnership has proved a most satisfactory one.

In college, although so short a time, he was mainly instrumental in organizing its first football team, having been always a strong believer in healthy athletic sports, and he put the same vim and vigor into business life. He continued in the general merchandising line until about nine years ago when he took up, in a larger way, the seed business and organized the Page Seed Co. He has developed and extended this business and made it a success. Additions to the buildings have been erected from year to year and, while located in an interior town on the line of one railroad only, each year has shown more business done and increased returns.

Mr. Page has been president of the municipal board of the town, having charge of all the public utilities. He is a trustee and one of the leading spirits in the Congregational Church, and takes hold of the church affairs just as he takes hold of everything else, putting them through with earnestness of purpose and careful attention; if there is a deficiency to overcome his hand goes into his pocket with alacrity. He is a man of good executive ability, conservative and prudent in management, and an enthusiastic believer in every form of organization; a clean and wholesome man, a good citizen, identified with the best things in the community and the best business practice. In his election the American Seed Trade Association has again evidenced its good judgment in the selection of capable officials.

The Visit to Fordhook Farms and Trial Grounds of W. Atlee Burpee & Co. at Doylestown, Pa.

When the American Seed Trade Association concluded its 28th annual convention, which was held at the Hotel Strand, Atlantic City, June 21 to 23, it was with pleasurable anticipations that the majority of those in attendance at the meeting packed their grips and upon the following morning took up their pilgrimage to Fordhook, where many of them had on former occasions tasted the Burpee hospitality and found its flavor pleasing. It has been said, "Truly the garden spot of all Pennsylvania is its southeastern corner, and nestling down in the midst of one of the fairest of landscapes is Fordhook Farm, with its acres of hill and valley, woodland and meadow, dry ground and moist, offering every diversity of soil and location." At Philadelphia, a special train of seven coaches was awaiting the party at the Reading Terminal, and all were soon speedily on the way to Doylestown. At Wayne Junction guests from New York and Boston joined the party. At this point, also, copies of The Florists' Exchange containing a full report of the Convention which had adjourned but the night previous, were distributed, and soon all the visitors were immersed in its columns. The enterprise of the publishers in being thus early on the scene was much commended. The special halted at the very gateway of the farm, and the 225 and more guests alighting walked through an embowered lane leading to the porch of the farm homestead where, attired in an immaculate suit of white duck and surrounded by fair ladies, Mr. Burpee welcomed them. In the receiving line were Mr. and Mrs. W. Atlee Burpee, Mr. and Mrs. A. B. Scott and Mrs. J. D. Lee.

After all had availed themselves of the opportunity to pay their compliments to the host and hostess, and had been cordially greeted, they betook themselves in whatever direction best suited their fancies, the majority going direct to the trial grounds under the escort of various of Mr. Burpee's assistants, among whom were Howard M. Earl, Geo. W. Kerr, W. E. Bougy, C. L. Atlee, David McClellan, Samuel Tatem, Edward Hastings, James Crossett, Edwin Hambright, Ed. Wodock, Harry Buckman and Stephen Bisbing.

Among special guests who had not been in attendance at the convention, but were welcomed to Fordhook by Mr. Burpee were the following: Samuel Y. Heebner, Mr. and Mrs. Thos. J. Martindale, Robert Buist, Mr. and Mrs. W. W. Harper, J. L. Stewart, Mr. and Mrs. James Johnston, P. B. Bromfield, William J. Stewart, J. K. L. M. Farquhar, H. A. Bunyard, A. T. De La Mare, J. H. Pepper, Leonard Barron, Mr. and Mrs. J. R. Collingswood, Louis Boss, Wm. F. Rolph, Wilmer Atkinson, Dr. J. H. Washburn, Prof. C. C. McCue and Prof. Grantham, Delaware Exp. Station, Mr. and Mrs. J. G. Croxton, Dr. Darlington, Wm. F. Fell, Henry Clay, Prof. M. G. Kains, T. W. Barlow, George W. South, Prof. Ward Beam, Montgomery H. Wright, E. Wesley Keeler, Prof. Carman Ross, Rev. Dr. Joseph Krauskopf and lady, E. B. Southwick, Hon. Mahlon H. Stout, Judge Berks County, E. E. Bruggerhof, Mr. and Mrs. Duffield Ashmead, Mr. and Mrs. F. W. Curtis, S. H. Voorhees and wife, Mr. and Mrs. G. Stewart Simmons, J. Appel, Ralph Blum. In addition there were present the majority of the delegates registered in last week's issue.

Continuously throughout the day many visitors were roaming over the trial grounds intent on inspecting what they saw there. The trial beds proper are situated on a plot of about 14 acres in the center of the farm of 400 acres, within easy access of the buildings. The whole trial area is laid out in beds and rows running east and west, varying in length from 200 to 400 yards. Each row is numbered, and the beds are also separately numbered, so that a full and comprehensive record can be kept of their contents. The object of the trial beds is to make a thorough test of every known commercial variety of seeds, herbaceous plants, flowers, vegetables, grains and grasses. For the present year the trial beds contain some 6000 samples, of which over four hundred are in Sweet Peas alone, including practically every known variety of the latter.

Especial pains had been taken by Mr. Burpee in anticipation of the June meeting of the Am. Seed Trade Ass'n. and last Fall and Winter preparations were made so as to have the Sweet Peas in bloom at this season, remembering that when the convention last came to Atlantic City and Fordhook he was disappointed in that they were not so well advanced as they are this time.



The Reception on Friday, June 24, at W. Atlee Burpee & Co.'s Fordhook Farms, Doylestown, Pa.

Looking over the Trials of Perennial Flowers and Grasses and Clovers at Fordhook — A Portion of the Culinary Pea Trials

He resorted to Fall planting in 1909, and the result was most gratifying to his visitors and also incidentally illustrated the advantages of the method employed. A goodly portion of the trials were in full bloom, the flowers being of extraordinary quality, with long stems.

Visitors to the Sweet Pea grounds were each provided with a copy of "Sweet Peas Up to Date," 1910 edition, which edition was compiled by G. W. Kerr from observations made at Fordhook during the past two seasons and previous experience in England. Mr. Kerr conducted several parties over the Sweet Pea trials during the day and was busily engaged in answering questions, both cultural and otherwise. Most of the trials, he said, were sown about December 1 last, and covered with litter a week or so after sowing. The idea was to get the seed to germinate and then remain dormant until Spring. Several rows were filled with plants from seed sown in pots indoors about Feb. 17, some prodigious plants being pointed out grown from one seed. A planting made about December 1, and not covered with litter, was pointed out and demonstrated more than plainly the advantage accruing from the protected planting. In the Fall sowings the seeds were sown somewhat thickly, and the seedlings thinned out in Spring. From these sowings flowers had been cut with stems 17" long. Mr. Kerr remarked that in England he had often seen the stems 26" long. The only fertilizer used on the different plantings was ordinary stable manure. In the neighborhood of New York, Mr. Kerr said, he would advocate sowing about the middle of November.

Many new varieties were shown, some of them yet unnamed. Nancy Perkins (Perkins-Unwin, 1910) was pointed out as a Spencer Henry Eckford. It was a fine orange red, evidently standing the sun well. Giant Black Knight was another novelty in the dark claret class. Ethel Roosevelt, another new Pea, has a cream ground flaked with bright rose pink. America Spencer, a variety to go out in 1911, color red flaked on white ground, appealed to everybody. George Stark, a fine light crimson, not yet in general cultivation, found much favor. Aurora Spencer, a Burpee-Morse introduction of 1910, color cream white ground exquisitely flaked and mottled rich orange salmon, looked grand. George W. Kerr, a new deep pink, was very pleasing and appeared to have made plenty of roots. Elsie Herbert, a beautiful white, edged pale rose, a variety not yet in general cultivation, appeared to be a favorite of Mr. Kerr's, and justly. Othello Spencer, (Burpee-Morse, 1909) a rich deep maroon of large size was in splendid form. Blocks of King Edward Spencer and Countess Spencer were in splendid shape.

Harry A. Bunyard, secretary of the American Sweet Pea Society, who was in attendance and visited the trial beds, expressed himself as delighted with the appearance of the same.

The verdict of all was that Fordhook is one of the best conducted and carefully managed trial grounds, not



A Section of Sweet Pea Trials from Fall Sown Seed

in America alone, but in the world, not excepting those of Mons. Vilmorin, of which Mr. Burpee had spoken so flatteringly in the convention. In this opinion Dr. Tracy and others heartily concurred.

Secretary Kendel, of the American Seed Trade Assoc., when asked to epitomize his impressions of the day, said: "A large company, a beautiful day, grounds excellently kept, and the usual well-known Burpee royal entertainment."

Jerome B. Rice was an interested observer and was driven over the farm and given a full oportunity to enjoy its beauties. Among the features of general interest to the company were the dog kennels, where at present there are some forty collies of the purest breed, who testified to their knowledge that something was doing on the farm by a constant barking, a chorus which in its effusiveness surpassed anything they indulge themselves in at other times, an attendant explained, another proof of the exceeding sagacity of this type of canine.

Then there was the chicken yard, containing some eight hundred thoroughbred fowls; the animal hospital, where sick dogs and other animals are looked after when sick or injured, and on the top of the hill crops of all descriptions, the principal vegetable crop being Tomatoes, of which some seventy-five acres are in cultivation. In addition to all this, Mr. Burpee has now near Lompoc, in Santa Barbara County, Cal., a place called "Floradale," of some forty acres, for the production of stock seed, and another farm of some 100 acres at Swedesboro, N. J., which is devoted to the same purpose.

While the men were tramping over the farm taking in every detail, farm wagons drawn by lusty Percheron horses, conveyed the ladies and some of the favored men who were lucky enough to get in with them, through shady lanes and around the outskirts so as to get a very good idea of the territory included. It was when one of these big wagons was starting off, that Mr. Burpee saw Mr. Brill and Mr. Bruggerhof, Jr., comfortably seated in the wagon, and remarked, "Now! there is Brill who has been growing Cabbage seed for seventy-five years, and Bruggerhof who has been selling it for a hundred and twelve years!" The laugh that greeted this sally was cut short by the driver's whip as the obedient team bent to their load, and moved off rumbling over a rustic bridge garlanded with Red Rambler Roses, and so on over the farm.

The ideal weather, the clear pure air, the tramping and the riding, all contributed to make it a very jolly party that repaired to the lawn around the farmhouse, and under the trees, when the farm bell rang, and everyone was ready for luncheon. After enjoying an appetizing menu, without formality, the next event was the inspection of the Skinner system of irrigation of the trial beds. Considerable interest was shown in this feature by the far Western members especially, who were familiar with irrigation processes none of which resembled this one.

Shortly before the time drew near when the company



The Reception on Friday, June 24, at W. Atlee Burpee & Co.'s Fordhook Farms, Doylestown, Pa.

Inspecting the Irrigating System in Main Trial Grounds at Fordhook Farms — Jerome B. Rice, with E. J. Wodack, Farmer of Fordhook, Listening to the Parting Speeches

must take their special train for home, and after all had paid their respects to their host and hostess and personally expressed their gratification and appreciation of the entertainment of the day, Mr. Burpee and his lady were conducted to the house porch, where ex-President Robinson, for the visitors, in a short speech expressed their appreciation of the outing, and their thanks, to which Mr. Burpee made an appropriate reply. P. V. Collius, the editor of the Northwestern Agriculturist, also made an address eulogistic of Mr. Burpee and his hospitality. The company then boarded the special train which deposited all in Philadelphia about 6 p. m.

Convention Echoes

The convention was, perhaps, from every point of view, the most satisfactory ever held by the Association. The business sessions were largely attended, the papers were of the highest value, and the discussions of the many important topics were entered into with great earnestness. The banquet and social features were much enjoyed by all. On the whole the meeting was an unqualified success.

On Wednesday afternoon, J. C. Robinson, the retiring president, very kindly arranged a yachting excursion, the schooner yachts Viking and Princeton being chartered for the occasion, and some seventy-five of the members and guests took advantage of the opportunity to have a thoroughly enjoyable time. It was certainly a very happy thought of Mr. Robinson's and he can feel that it was much appreciated by all.

M. H. Duryea, of Henry Nungesser & Co., New York, was very much missed at the convention, and, by the way, he was elected second vice-president for the coming year.

J. W. Dunham & Son, New York, were represented by A. J. Kennedy, who found many seedsmen much interested in their display of lawn and golf ground rollers.

The paper of Curtis Nye Smith, counsel for the Association, on "The Advancement and Protection of the Interests of the Seed Trade" was most favorably commented upon.

The Brown Bag-Filling Machine Co., Fitchburg, Mass., made an exhibit of their seed packaging machines.

Copies of the "American Breeders' Magazine" were distributed by the Hon. Willet M. Hays, Assistant Secretary of Agriculture, Washington, D. C., who, by the way, is the editor of this new publication and much interested in its success. He said he hoped the seedsmen as a whole would become subscribers.

The election to honorary membership of F. W. Bruggerhof of New York was a well deserved compliment to that gentleman. Mr. Bruggerhof was proposed by the retiring president, J. C. Robinson. It was regretted by all that Mr. Bruggerhof could not have been present.

Frank C. Woodruff, the well-known seedsman of New York and Orange, Conn., and family, made the trip to Atlantic City in his automobile, and it was found most enjoyable.

There seemed to be a general feeling that however large the growing seed crops may turn out eventually to be, so little are the seed stocks that will be carried over to another season that prices will be well maintained at their present levels.

There were several places mentioned as a meeting place for next year's convention; among them the Roycroft Inn, East Aurora, N. Y., which would seem to be very popular with many.

The following seedsmen, returning from the convention, may be said to have held an informal meeting at the Hoboken, N. J., offices of Henry Nungesser & Co.; C. C. Massie, of Northrup, King & Co., Minneapolis, Minn.; A. W. Annandale and E. F. Crossman, of Steele, Briggs Seed Co., Toronto, Ont.; C. F. Wood, of Wood, Stubbs & Co., Louisville, Ky.; Charles Dickinson and Charles D. Boyles, of Albert Dickinson Co., Chicago, Ill.; Geo. S. Green, of Illinois Seed Co., Chicago; H. G. Windheim, of Nebraska Seed Co., Omaha, Neb.; Adolph and Mrs. Corneli, Schisler-Corneli Seed Co., St. Louis, Mo.; Chas. E., Mrs. and Miss Henkle, Otto Schwill & Co., Memphis, Tenn; and W. H. May of W. H. May & Son, Alexandria, Va. It is needless to say that the all absorbing topic of conversation was the question of pure seeds; in fact, many of the seedsmen became so enthusiastic regarding this question that the quality was talked up to 99 per cent. purity, which certainly does one good to read of but is something too good to be possible. It may be mentioned in this connection that the Governor of New York has vetoed the so-called Pure Seed Bill which has been discussed so long.



BY EBER HOLMES

Preparing for Next Season

The principal work at this time of the year is the preparation for another year, and this is properly regarded by good growers as the most important work of all. The success of the season ahead of us depends on how our work is done now, and if the replanting is not properly done, or if the after treatment is wrong, it is useless to expect the best results next season. In the first place, if you have any plants which it is impossible to plant out permanently at present, do not neglect them in any way; repot them if they need it and keep them clean and growing, free from mildew and insect pests. Planting should be finished by this time, but it is not always possible to be on time and a day's delay is better than work improperly done. It is good policy when a house or a bench is doing well to leave it alone.

Repairing and Cleaning the Benches

Of course, changes have to be made at times and it is well to anticipate such changes, and when working this year to have in mind the repairs or changes which must be made next year. This will make the work easier and be less expensive, and it cannot be gainsaid that the rebuilding of benches and renewing loam and plants is an expensive process, besides taking months, and in some cases years to produce plants the equal of the ones thrown away. Where benches must be rebuilt, put on all the help possible and get the work out of the way in the shortest time you can. Throw out every bit of rotten wood, scrape and shovel out all accumulations of dirt from under the benches, and make a clean start. If wooden benches are to be built, use pecky Cypress. We can obtain this lumber near Boston at this time for less money than we have to pay for Spruce and Hemlock, and Spruce is worthless in a greenhouse. I have heard hard Pine condemned for bench work, but we built benches eight years ago of second-hand hard Pine, bought for $15 per 1000 ft., which have stood until the present time with very little repair. We have just rebuilt with the same kind of material. These benches should be well whitewashed with hot lime as soon as built, before being planted. Years ago, in building our benches we were very careful to leave spaces between the boards for drainage. These spaces were covered with straw or other material to keep the loam from falling through when filling the benches. In building now we use narrow boards and lay them close together without making a tight bottom. We get very good results in this way. There is little difference in the results with us from plants grown on benches or in solid beds. It would seem that cement benches, properly drained, ought to be the best and cheapest in the end.



Francis Brill

Planting and Care of the New Stock

When all is ready for planting, get the soil inside the house and level off the beds with a rake, leaving them level full before firming down. Avoid filling the houses when the soil is wet. If the loam is in the right condition when put in, it may be trodden down with advantage, providing it is not a heavy, clayey loam. After treading, we smooth off with a rake and mark off with a wooden marker made after the style of a tooth harrow. This marker is very light, and easily operated by two men, one on either side of the bed; as they walk along and press it into the bed it leaves marks where the plants are to be placed. It is much quicker and better than using a line in planting. Let a good man pick out the plants, rejecting all poor ones. Two boys, or inexperienced men can carry the plants and place them where they are to be planted. Let two good men do the planting, and two others follow them up and with a round stick—such as you might cut from an old fork or shovel handle—pound down the soil well and carefully around the plants, leaving a dish or depression at the base of each. As soon as planted the plants should receive a good watering in this hole, or depression, without wetting the whole bed. It is best in subsequent waterings, to follow the same rule for the first few weeks or until the plants are growing well and the beds are full of roots. Syringe well with a good sharp spray several times weekly to check red spider, and damp down the soil and walks as the weather conditions require. Stake up the plants as soon as possible after planting, to avoid the danger of their being broken with the hose. For Hybrid Teas we use a No. 9 wire stake, 4 ft. long. These are fastened at the top to lines of No. 18, or bench wire, as it is commonly called. We plant four rows of plants in a bench 4 ft. wide. Some growers plant five rows in a bench of the same width, but instead of planting in straight lines across the bed the plants are set in obliquely. Good results are obtained either way. Planted in straight lines across, the plants are easier to work among and to clean. From 14 to 16 ins. apart in the row is a good distance to plant. This may be varied a little by conditions, date of planting, size of plants and the length of time they are to remain where planted. Lose no time in cleaning up and getting everything shipshape after planting. Fix any leaky faucets at once, as a continual drip will make the new loam too wet. Give the young stock all the air possible and do not neglect the regular fumigating. It seems impossible to emphasize too strongly the fact that all the ills that the Rose is heir to are comparatively light if taken in time and checked, or eradicated altogether. It is the neglect which does the damage, and once a disease or insect pest has made headway it is hard to subdue the trouble and much damage is likely to be the result.

Retain Some of the Best Old Plants for Fills

Before leaving the subject of planting, it is well before throwing away good plants of standard varieties to select some of the best plants and use them to fill in any holes which may exist among the same varieties in other houses. This fills unsightly gaps if there are any, and makes a house more profitable. A few plants may also be planted outdoors to be held in reserve to fill in any blanks which may occur.

Carrying Along the Old Plants

It may be that you have no planting to do, but will carry over all your stock as it stands at present. In that case, if you want good flowers all Summer, you must use the same care that you have used all Winter. Fire heat may be dispensed with for a few weeks, according to the season, although it must always be within call, as there is no month in the year when we can be sure of getting along without it. Disbudding will have to be done regularly, the plants must be well fed and watered and kept free from weeds.

Resting and Starting Old Plants

If the object is to rest now and start fresh for next year, avoid drying up too much, for this seems to be the rock on which most growers dash their hopes. It is an easy matter to dry the beds and ripen the wood in the heat of Midsummer. Withhold the water gradually at first and let the plants remain fairly dry for about a month. Syringe seldom now, or the plants are likely to grow. Never allow the plants to get so dry that the wood shrivels. As soon as it is desired to start them into growth again, or if they show signs of starting, it is well to cut them down to a point one or two feet from the ground; the earlier it is in the season the lower we cut them down. Scrape off the top loam and all the rubbish from the beds. Sprinkle on a little lime, or bone meal, and cover with a good dressing of loam, such as you used for planting, enriched with a little extra cow manure; or else cover with manure and cover this in turn with loam. Give the beds a good soaking with water and afterward water and syringe in the usual manner. Avoid getting the beds too wet after the first watering. If the first shoots which come are pinched back when a few inches long, the next growth will be stronger and give longer stems.

Francis Brill, Hempstead, N. Y.

Mr. Francis Brill, Hempstead (L. I.), N. Y., the subject of this sketch, and of whom we submit a recent portrait, is the pioneer of the Cabbage seed industry of Long Island. Mr. Brill prepared and read a paper entitled "Past, Present and Prospective of the Seed Trade of America," which he delivered before the American Seed Trade Association's Convention at Atlantic City, N. J., last week. This gentleman is 74 years of age, still hale and hearty, and is a contemporary of Grant Thorburn, Sr., Thomas Bridgeman and other of the seed merchants of early days, his memory going back fully sixty years. He clerked for Thomas Bridgeman in the early fifties at the old seed store, Broadway and 18th st. His memory carries him back to the days when, in 1847, Peter Henderson and brother James came to Jersey City and bought out his uncle's establishment.

Mr. Brill commenced business for himself as a seed grower at Newark, N. J., in 1859, and in 1870 he removed to Hempstead, L. I., at which location he has continued actively engaged until the present time. Mr Brill's paper, which is published on page 1110 of our issue of June 25, is a most interesting one, and we trust will be read by all who are interested in the progress of the business—florists and nurserymen, as well as seedsmen.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

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From New York	Sailing Day	Hour	Pier	Destination
Mesaba	July 2	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 2	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 2	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 2	11.00 am.	W. 18th St., N.Y.	Antwerp
Cretic	" 2	12.00 m.	W. 21st St., N.Y.	Gib-Nap-Geno
Deutschland	" 2	1.00 pm.	1st St., Hoboken	Hamburg
Arabic	" 2	2.00 pm.	W. 21st St., N.Y.	Liverpool
Caledonia	" 2	2.00 pm.	W. 24th St., N.Y.	Glasgow
Italia	" 2	4.00 pm.	Pier 29 Bklyn	Naples
Hudson	" 2		W. 44th St., N.Y.	Bord'x-Dunk'k
Ka. Wilhelm II.	" 5	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 5	10.00 am.	5th St., Hoboken	Rotterdam
America	" 5	12.00 m.	Busb Dks. Bklyn	Naples-Genoa
Themistocles	" 5		— Brooklyn	Naples Piraeus Smyrna
Pres. Lincoln	" 6	9.00 am.	1st St., Hoboken	Hamburg
Campania	" 6	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 6	9.30 am.	W. 21st St., N.Y.	Southampton
Argentina	" 6	1.00 pm.	Bush Dks. Bklyn	Naples Patras Venice-Trieste
Buenos Aires	" 6		Pier 8, E. River	Cadiz-Barcel'a Genoa-Naples
Barbarossa	" 7	10.00 am.	3rd St., Hoboken	Bremen
Carpathia	" 7	12.00 m.	W. 14th St., N.Y	Gib-Genoa Naples-Tri'ste
United States	" 7	2.00 pm.	17th St. Hoboken	Copenbagen
Volturno	" 7		Pier 38, Bklyn	Rotterdam
Minnewaska	" 9	9.30 am.	W. 16th St., N.Y.	London
La Provence	" 9	10.00 am.	W. 15th St., N.Y.	Havre
Caronia	" 9	10.00 am.	W. 14th St., N.Y.	Liverpool
California	" 9	10.00 am.	W. 24th St., N.Y.	Glasgow
St. Louis	" 9	10.00 am.	W. 23rd St., N.Y.	Southampton
Vaderland	" 9	11.00 am.	W. 18th St., N.Y.	Antwerp
Koenigin Luise	" 9	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Amerika	" 9	12.00 m.	1st St., Hoboken	Hamburg
Duca d' Aosta	" 9	12.00 m.	W 34th St., N.Y	Naples-Genoa
Baltic	" 9	12.00 m.	W. 21st St., N.Y.	Liverpool
Bordeaux	" 9	3.00 pm.	W. 44th St., N.Y.	Havre
Germania	" 9		Pier 33, Bklyn	Naples
Lituania	" 9		Busb Dks, Bklyn	Rot'd'm-Libau
K'r W. d. Gr'sse	" 12	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 12	10.00 am.	5th St., Hoboken	Rotterdam
Moltke	" 12	2.00 pm.	1st St., Hoboken	Gib-Nap-Geno
Mendoza	" 12	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Mauretania	" 13	9.00 am.	W. 14th St., N.Y.	Liverpool
Pres. Grant	" 13	11.00 am	3rd St., Hoboken	Hamburg
Oceanic	" 13	11.00 am.	W. 21st St., N.Y.	Southampton
M. Washington	" 13	1.00 pm	Bush Dks. Bklyn	Napls-Trieste
Geo. Washington	" 14	10.00 am.	3rd St., Hoboken	Bremen
La Bretagne	" 14	10.00 am.	W. 15th St., N.Y.	Havre
From Boston				
Ivernia	July 5	8.00 am.	B&A Dks. E. Bos	Liverpool
Parisian	" 8	10.00 am.	Mystic Whf, Char	Glasgow
Cymric	" 12		B & M Dks. Char	Liverpool
Devonian	" 13	3.00 pm.	B&A Dks, E. Bos	Liverpool
Philadelphian	" 15		B & M Dks. Char	London
Philadelphia				
Merion	July 2	10.00 am.	53 So. Wharves	Liverpool
Marquette	" 8	10.00 am	55 So. Wharves	Antwerp
Friesland	" 9	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 9		24 No. Wharves	Glasgow
Ancona	" 15		80 So. Wharves	Naples-Genoa
San Francisco				
China	July 6	1.00 pm	1st Street	Honolulu
Manchuria	" 12	1.00 pm.	1st Street	Japan
Chiyo Maru	" 19	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH.
Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

For "Supply" Advertisements see page 24

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Bertermann Bros. Co — INDIANAPOLIS, IND.
241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA.
20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO.
1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

The Park Floral Co. — DENVER, COLORADO
1706 Broadway
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — LOUISVILLE, KY.
644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA
853 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

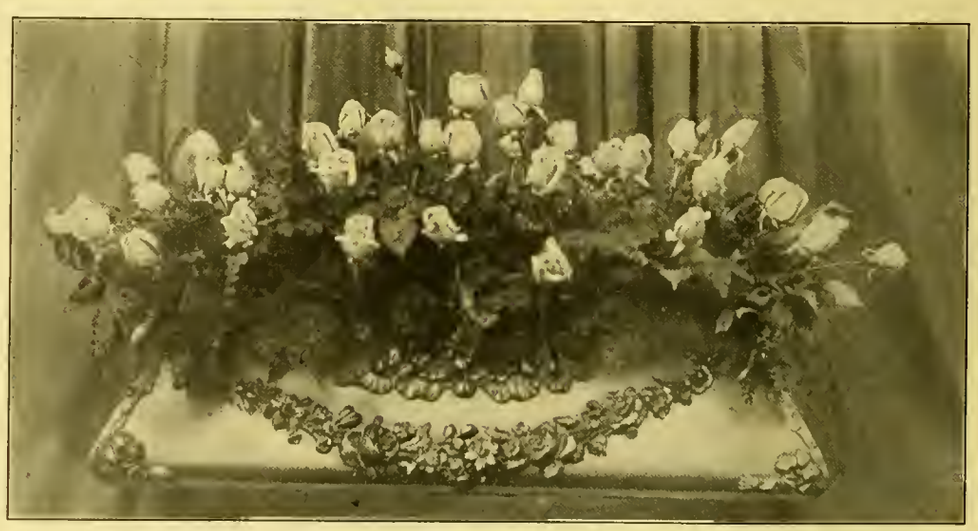
Alex. McConnell — NEW YORK
571 Fifth Avenue

Young & Nugent — NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers Wire us your orders: they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA.
122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.



Our illustration shows a Florentine Fern Box used as a centerpiece on the occasion of a golden wedding. It was filled with 50 Perle Roses, intertwined with Maidenhair Fern, and made a very appropriate design for the occasion. Fred Dettmer, Jr., of Rye, N. Y., was the one who got up the design, and that gentleman says that the publication of this picture should suggest to others the desirability of using these handsome receptacles more freely.



Yonkers (N. Y.) Hort. Society

The first annual June show of the Society was held on Friday afternoon and evening, June 17, in the hall of the Hollywood Inn. The exhibits which consisted of pot plants, cut flowers, fruits and vegetables, were attractively staged, the many varieties of flowers forming a symphony of color to greet the eye of the visitors. Roses, Orchids, Sweet Peas, Peonies, flowering and foliage plants and herbaceous flowers comprised the floral display. The show was a success, and to this the many visitors testified. Taking courage from this fact, the Society has great hopes of making a still greater success out of its Fall show, which is to be held the 1st of November next.

Among the trade exhibitors we noticed the following: Specials were awarded the Julius Roehrs Co. of Rutherford, N. J., for a display of Orchids; Scott Bros. of Elmsford, N. Y., for display of Roses; Yonkers Nursery Co. for display of Palms, cut flowers and flowering plants. Milliot's wedding decoration of Palms and Roses occupied the entire stage and was one of the best special exhibits.

Newport (R. I.) Horticultural Soc.

The Rose and Strawberry Show held at Masonic Hall, June 23 and 24, was the smallest and had the poorest attendance of any exhibition yet given by the Society. A spell of wet weather and the fact that many of the Summer residents have come on earlier than usual has made the gardeners unusually busy at this time and allowed them no time to prepare stock for an exhibition. And yet some of the busy ones did find time to get some material together and made what was quite a creditable display notwithstanding the facts above stated.

As for the absence of the general public the only reason that we know of is that moving picture shows and vaudeville have a greater attraction than the flower show.

There was only one group of plants in Class 1 for Palms, Ferns and flowering plants, but it was well worthy of the first premium which was awarded it, the arrangement being quite good, in fact an improvement in the setting.

There were three competitors in Class 2, a table of plants in pots not to exceed 6-in.; the first place being won by President Robertson.

The display of large specimen Palms was good as usual.

Fruit was of good quality, but there was not much competition in these classes. "Taft" and "Edith Newland" are considered the most promising of the newer varieties of the Strawberries shown, being more productive and both very handsome berries.

Among the cut blooms of H. P. Roses many of the older sorts still hold their own; this was so in the case of red which, in Gen. Jacqueminot, was the best of its color. And for a pink Mme. Gabriel Luizet was the best; for a white all the old timers have to make way for Frau Karl Druschkl.

The H. T. Roses as a class are rapidly forging their way to the front as Summer bedders for outdoor work, and are well worthy of the extra care which they need in the way of protection to bring them safely through our Winters, as the crops of flowers which they produce the whole Summer through are in many cases equal to those grown under glass. Among some of the best of this class shown were Mme. Caroline Testout, the white and the pink Mme. Cochet; Etoile de France which is a fine red or rather crimson and is quite hardy here and, as a white the flowers of the climbing Kalserin Augusta Victoria are fine and are superior to those of the dwarf form.

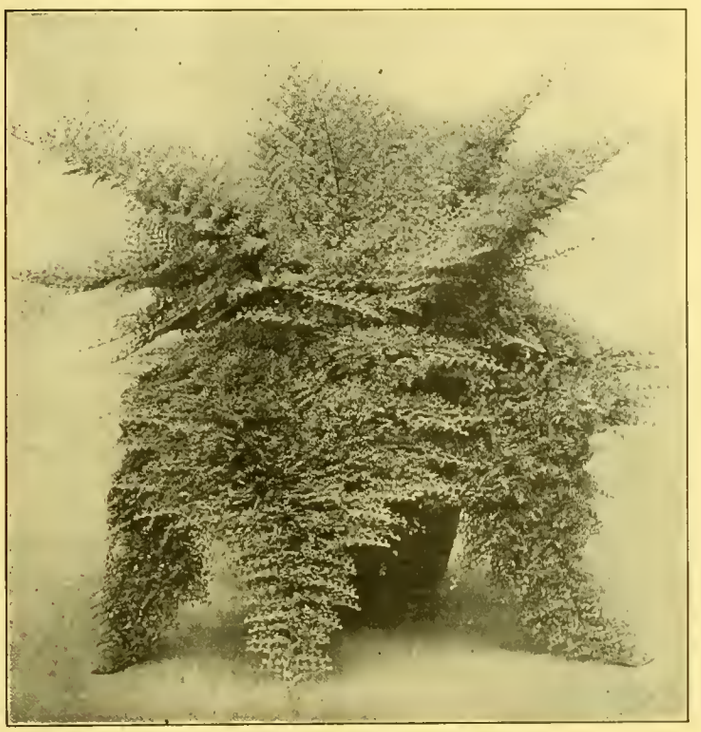
ALEX. MACLELLAN.

Greenhouse Construction

The King Construction Co. has received a contract for two houses, each 21x87 ft., for J. D. Larkin, Buffalo, N. Y. This will be a private range to be built on Mr. Larkin's new estate near Delaware Park, Buffalo.

The Buffalo Cement Co., Buffalo, N. Y., will make an addition of one 30x120 ft. house of the King Iron Frame Construction; this addition is to be put on the present range at Main and Amherst sts., Buffalo.

The Park Commissioners of Buffalo have given the King Construction Co. a contract for furnishing, complete, a greenhouse 20x107 ft., to be attached to their present range on Elmwood ave. at Delaware Park.



Nephrolepis exaltata Marshalli

From Gardening Illustrated, England.

Nephrolepis Exaltata Marshalli

Of the many beautiful forms of Nephrolepis exaltata which have originated as sports in recent years, this, to my mind, is the best of all. It appeared in the nurseries of Messrs. H. B. May & Sons, at Edmonton, and was given a first-class certificate by the Floral Committee of the Royal Horticultural Society on November 9, 1909. It is a sport from N. e. Amerpohli, and is the most graceful and elegant of the many fine varieties now in cultivation, and will, no doubt, become very popular. The fronds are wide, very finely divided, and frilled, each looking like a piece of the most beautiful lace. A glance at the illustration will convey a far better idea of its beauty than any elaborate description.—T., in *Gardening Illustrated*, (Eng.)

Los Angeles, Cal.

John Bodger & Sons began their Sweet Pea harvest on June 13. The crop was severely injured by a torrid wave which swept over this Coast the first week of May. This celebrated seed farm will soon give way to residence tracts; the country all about it is being subdivided and put upon the market, at prices which will make the production of Sweet Pea seed prohibitive because of the high price of land and labor. Located as it is, between Los Angeles and the sea, with the most salubrious climate in the United States, and soil of wonderful fertility, if it shall become populated with thrifty families, with vigorous children, brought up with industrious habits, there is no reason why those broad acres, cultivated in small holdings should not be the center of a vast and profitable seed industry; for it is a fact that even in this part of the State, one acre of Sweet Peas, watered when occasion requires, and cultivated as it should be, will yield tenfold over present methods of growing this popular flower.

Edwin Lonsdale, superintendent of the Burpee seed farm at Lompoc, exhibited a dozen varieties of Sweet Peas at the last semi-monthly meeting of the Pasadena Gardeners' Association on June 17, and for size and substance they were superior to any flowers of the kind seen in Pasadena. I have frequently called attention to the varied climates of this State. Here is another practical illustration of the fact that in one locality a crop may be ready for the harvest, and in another locality, not very remote, the same crop may be only in its prime. This lot of Sweet Peas was a revelation to our gardeners—skilled men in the profession—some of whom remarked at first sight, "Those flowers were grown in a cool atmosphere." The flowers were studied critically and carefully, each gardener making a memorandum of his observation.

O. M. Morris, of Morris & Snow Seed Co., has been to the bay section of the State on a tour of business and pleasure combined. He reports great activities in landscape gardening there, and the most active of firms there is the comparatively new firm of MacRorie & McLaren. A short time after this firm established themselves on this coast, the question was put to me: "Is there an opening on this Coast for a firm with their ambitions and aspirations?" In all such business ventures the success depends more on the ability of those who engage in it, than on the environments. Both members of this firm having been trained in the knowledge of plant life, they were quick to see the possibilities of this State from a horticultural point of view; and in addition to this discernment, they have the ability to lead others to see the same possibilities, and afterward lead men of means to see the necessity for immediate action—to plough and plant, to dig and grade—and the result is, their business has grown by leaps and bounds, and causes the majority of horticulturists on this Coast to look on in wonder and amazement at their achievements.

The reference made in the EXCHANGE of April 30 to experiments with African Cactus, at the botanical gardens of the University of Pennsylvania, as a rubber producing plant, shows an inexcusable amount of ignorance on the part of the one who made the statement. There is a genus of Euphorbia, of three species, native of South Africa, with a viscid white sap, like unto the sap of Ficus elastica. The plants when not in bloom greatly resemble some variety of Cactus, except that they are spineless. The staminate flowers harden into stiff, hard prickles an inch or more in length. The pistillate flowers are chocolate colored and inconspicuous; but the instant that the skin of the plant is punctured, its character is revealed by the exuding sap. The paralyzing effect of this juice on animals is taken advantage of by the natives, who use it to poison their arrows when hunting game. To the mucous membranes of the body it is as sulphuric acid and Cayenne Pepper, yet it may be handled without causing pain or inconvenience. It requires about 20 minutes time to influence its victim and the sensations lasts about 40 to 50 minutes. These facts have been learned from personal experience with this plant. For a State university to send out such statements as I referred to at first, is an injustice to the public, who look to such institutions for scientific accuracy.

P. D. BARNHART.

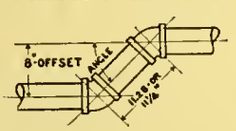
KROESCHELL BROS. CO., CHICAGO, ILL.

This enterprising firm of greenhouse heating engineers are mailing out cards conveying some valuable information as to the merits of their Ideal Chain Wrench. These cards will be sent to any florist on application, and in the meantime, we have taken the liberty of reproducing herewith certain portions thereof.



Useful Information for Pipe Workers

OFFSET MEASUREMENTS



Example of 8" Offset on a 45 deg. angle

Use Factor 1.41 x 8" Offset

Result 11.28 or 11¼"

Center to Center of Degree Fittings

Factor 60 deg or	1/8	Bend	1.15
45 "	1/8	"	1.41
30 "	1/12	"	2.00
22½ "	1/16	"	2.61
11¼ "	1/32	"	5.12
5⅝ "	1/64	"	10.22



Old Rule: Add 5" per foot Offset for 45 deg. Angle



THE IDEAL CHAIN WRENCH

Indispensable for up-to-date Pipe Workers

The only Wrench in the world that will PROPERLY grip



Pipe and Pipe Fittings of every description, WITHOUT RE-ADJUSTMENT OF MECHANISM

Number of wrench	2	3	4	5
Capacity size pipe	⅛ to 3½	1 to 5	2 to 8	2½ to 12
Capacity size fitt'gs	⅛ to 3	1 to 4	2 to 6	2½ to 10
Length of wrench.	27 in.	38 in	49 in.	61 in
Weight of wrench	10 lbs	18 lbs	28 lbs	50 lbs
Price of wrench....	$6.00	$8.00	$11.00	$16.00
Price of jaws, pair	3.25	4.50	5.85	7.50
Price of handles, ea.	2.10	3.25	4.75	6.90
Price of chain, each	95	1.20	1.70	3.00
Price of steel pins, ea.	15	.20	.25	.30
Price of bolts, each	20	25	30	35
Length of cable chain	20 in	30 in	35 in	50 in
Size of cable chain	⅜	13/32	15/32	18/32
Price of cable chain	95	1.20	1.70	3.00
Length of flat link chain	23 in.	30 in	37 in	53 in
Thickness of flat link chain	9/32	⅜	13/32	13/16
Price of flat link ch.	2.00	3.00	4.00	6.00

For Ideal Wrench supplied with flat link chains add 15 per cent. to list price

Two wrenches in one, because of a double set of biting jaws; outer set for pipe, inner V jaws for fittings or valves, round or square.

A recess between chain support and jaws enables operator to take up all slack of chain and obtain grip anywhere on surface of jaws

Ease of repairing chain. Simply remove a loose steel pin, discard broken links and re-attach rest of chain.

Automatic chain lock A pull on the chain causes it to drop into lock with all slack taken up No falling out or sticking of chain.

Exchangeability of parts with all mechanism concentrated in jaws. Jaws can be fitted to any bar or old discarded wrench handle.

Jaws are made of tool steel, drop forged, saw tempered. Simple and powerful in construction. No weak parts. Every wrench guaranteed.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), cet solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A 1 grower of Roses and Carnations. Address "Florist," 156 West 16th st., New York City.

SITUATION WANTED—By young man 17, one year experience in growing general greenhouse stock. State wages and full particulars. Address, V. C., care The Florists' Exchange.

SITUATION WANTED—By German, age 36, good grower, 23 years' practical experience, able to take charge. Please state wages and particulars in first letter. Address, V. B., care The Florists' Exchange.

SITUATION WANTED—By a young florist with years of experience in greenhouse and outside work, on private or commercial place. Address, A. K., 13 Franklin st., Winfield, L. I., N. Y.

SITUATION WANTED—By experienced Rose and Carnation Grower, single; also experience in pot grown plants. Address, C. Rooth, care of Janitor, 532 W. 133d st., New York City.

SITUATION WANTED—By florist and gardener, aged 30, single, strictly sober; life experience in Roses, Carnations, Chrysanthemums and general stock. Good maker-up. Address, V. F., care The Florists' Exchange.

SITUATION WANTED—By florist, single, age 22, with 8 years' practical experience; honest, sober, willing worker for employers' interest; commercial or private place. Please state particulars in first letter. Address, U. E., care The Florists' Exchange.

SITUATION WANTED—At once, by young man, 30, as florist or private gardener; steady position expected. Well up in Roses, Carnations and 'Mums. 15 years' experience; good references. Address, Flynn, care A. T. Boddington, 342 W. 14th st., N. Y. City.

SITUATION WANTED—By landscape gardener on commercial or private place; 20 years' experience in gardening, forestry and estate work; just completed extensive construction work and planting on private estate. Address, V. E., care The Florists' Exchange.

SITUATION WANTED—By a reliable florist who has 19 years' experience in Roses, Carnations, Chrysanthemums, Ferns, Cyclamens, Azaleas, pot plants and general bedding stock; able to handle help; married, German. Advertiser can furnish best of references. Please state wages and full particulars in first letter. Address, A. Schmitt, care The H. Weber & Sons, Oakland, Md.

HELP WANTED

WANTED—A 1 Carnation grower, with small capital. Address, U. G., care The Florists' Exchange.

SEEDSMAN WANTED

Experienced man. Apply with reference, "Boston" care The Florists' Exchange.

WANTED—Single man as Rose Grower. Good wages and steady place to the right man. Apply with references to Dean & Co., Little Silver, N. J.

STORE MAN WANTED.

Must be an expert decorator and manager. None others need apply. State experience and salary in first letter. Address "Ohio," care The Florists' Exchange.

WANTED—Single man as Assistant Rose Grower on commercial place of 50,000 sq. ft. of glass. Wages $25.00, with board per month; sober, reliable man only wanted. Address, V. H., care The Florists' Exchange.

CARNATION GROWERS

Wanted, to work as section men in houses, 200x40, on large modern greenhouse establishment, located in the country near Boston. Also one man who is acquainted with Sweet Peas and 'Mums. Men must be married, experienced, steady, temperate, and good willing workers. None other need apply. State age, nationality, experience and give references when writing. Wages $50.00 a month, the year round, with 5 room house on the establishment. Address, V. A., care The Florists' Exchange.

HELP WANTED

WANTED—The present address of Andrew Magher, gardener. C. B. L., 2863-3rd Ave., New York City.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—Man to work under foreman, growing Roses principally, also to make himself generally useful about greenhouses; good wages to a sober, honest and industrious man; no one without the above qualities need apply; 11 miles west of Phila. Address, V. G., care The Florists' Exchange.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS SPRENGERI

2¼ in. pots, fine stock, $2.26 per hundred, $20.00 per thousand.

The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $6.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.

P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

STOCK FOR SALE—100 extra strong Sprengeri, 4-in., 7 cents; 200 3½ in., 5 cents.

Begonia Vernon, 3½ and 4 inch, 6 and 7 cents.

Coleus, Golden Bedder, Verschaffeltii, 2-inch, 1½ cents, 2½-in., Giant and Fancy, 2½ cents.

Alternanthera, red and yellow, 1½ cents.

Thos. R. Fries, Lancaster, Pa.

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

Estelle, Pacific, A. J. Balfour, R. Halliday, Byron, Golden Glow, from soil, the best you ever had, $2.00 per 100, $18.00 per 1000. Cash with order please. Geo. A. Relyea. Poughkeepsie, N. Y.

CHRYSANTHEMUMS—In nice soft plants, from 2¼-in. pots: Bonnaffon, Pacific, $20.00 per 1000. Rooted cuttings, from sand: Nonin, Bonnaffon, Pacific, Polly Rose, $10.00 per 1000. Nelson & Johnson, Prospect st., So. Framingham, Mass.

CHRYSANTHEMUMS

Good stock, 2½-in. pots, at $20.00 per 1000

Coombs, Appleton, Polly Rose, Early Snow.

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

CHRYSANTHEMUMS.

PLANTS.

Clementine Touset, Ivory, Pink Ivory, Monrovia, Pacific Supreme, Polly Rose, Glory of Pacific, A. J. Balfour, Col. D. Appleton, Crocus, Major Bonnaffon, Dr. Enguehard, White Bonnaffon, October Frost. 2¼-in. pots, $3.00 per 100, $25.00 per 1000. Comoleta, Gloria, Mrs. W. E. Kelley, Intensity, Nagoya.

Elmer D. Smith & Co., Adrian, Mich.

CHRYSANTHEMUMS.

Pink and White Ivory, White Cloud, Virginia Poehlmann, October Sunshine, Monrovia, C. Touset, Marg. de Montmort, Kalb, Roslere, Chelloni, Marie Liger, Duckham, A. Byron, Mrs. Robinson, Dr. Enguehard, Nonin, Bonnaffon, Pink and White Dean, White Jones, Polly Rose, Pacific, Appleton, from 2½-in. pots, $2.50 per 100, $22.50 per 1000; from sand, good hardy stock—which we plant directly in benches—$1.50 per 100, $12.50 per 1000. Cash with order or offer to exchange for A 1 field grown Carnations. Write what you have at hand.

1,500 2-in. Smilax, extra fine stock, $1.50 per 100, $20.00 for the lot.

Jos. J. Sokol, Florist, Westville, New Haven, Conn.

GERANIUMS

700 GERANIUMS, 3½-in. pots, mostly Double Grant, in bud and bloom, $5.00 per 100; 1500, 2½-in., $2.50 per 100. Cash please. Arthur Cornelle, Somerville, N. J.

GERANIUMS—Several thousand S. A. Nutt, Double Grant, Buchner, etc., fine 3½ and 4-inch, 5 cents. Salvia Zurich, 2½-inch, 2½ cents, 4-inch, 5 cents; Bonfire, 3-inch, 2½ cents; Heliotrope, 3½-inch, 4 cents, 2½-inch, 2½ cents. Best Coleus, 2 and 3 cents. Smilax, strong 2-in. pot bound, 2 cents, 3-in., 3 cents. Sprengeri, 2¼ and 2½-inch, pot bound, 2½ and 3 cents. Best transplanted Pepper and Tomato Plants, ½ cent. Stafford Floral Co., Stafford Springs, Conn.

ROSES

ROSES, STRONG, CLEAN STOCK

Own root: Bride, Bridesmaid, Chatenay, Golden Gate and Kaiserin, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

Continued to Next Column

STOCK FOR SALE

ROSES

AMERICAN BEAUTIES—From 4-in. pots, at $10.00 per 100; Verschaffeltii and Golden Bedder, Coleus, from 2¼-in. pots, at $2.00 per 100; Mme. Salleroi, from 2½-in. pots, at $2.00 per 100. All fine stock; satisfaction guaranteed. Brant Bros., Inc., Utica, N. Y.

STOCK FOR SALE—2,000 Maid Plants, in 4-in. pots, at 6c. each; 300 one year old Gardenia Plants, in 4-in. pots, at 25c. each. All elegant plants; also 10 second hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

VIOLETS

MARIE LOUISE VIOLET—Plants, 2½-in., $2.50 per 100, $20.00 per 1000; from benches, $2.00 per 100, $16.00 per 1000. Cash with order please. F. M. White, 74 Warrall ave., Poughkeepsie, N. Y.

VIOLETS. Marie Louise, strong rooted plants, healthy stock, **$1.50 per 100, $10.00 per 1000. GERANIUMS, Double Grant, Nutt, Ricard, 5c. each; Mme. Salleroi, 3c. each.** All fine stocky plants in bud and bloom. Cash please.

FRANK WINTERER

R. F. D., Box 48, HEMPSTEAD, N. Y

MISCELLANEOUS

STOCK FOR SALE—Cibotium Schiedei Spore, fresh and clean, $1.00 per trade packet. Cash with order please. R. G. Wilson, 345 Greene ave., Brooklyn, N. Y.

HYDRANGEA OTAKSA—2¼-in. pots, $3.00 per 100; also table Ferns, good varieties, $3.50 per 100. Cash with order please. J. H. Fiesser, Hamilton ave., Guttenberg, N. J.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.

Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. Y.

ALTERNANTHERA BRILLIANTISSIMA

Strong bushy plants, from 2-in. pots, price **$2.50 per 100, $20.00 per 1000. Yellow and P. Major, $15.00 per 1000.**

GEORGE I. LAIRD

3014 Fulton St., BROOKLYN, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Taussimense, and Cyrtomium Falcatum.

KESSLER BROS.

450 Sixth Avenue, NEW YORK

VEGETABLE PLANTS

CELERY PLANTS.

Stocky well rooted plants; White Plume, Golden Heart, Self-Blanching and Giant Pascal, 20c. per 100, $1.00 per 1000. Wm. C. Lester, Plainville, Conn.

VEGETABLE PLANTS

Millions of fine large stocky Cabbage Plants of early or late varieties, including all the best standard sorts; $1.25 per 1,000, $5.00 per 5,000. Try them. Also Pepper, Brussels Sprouts, Kale, Celery Plants, etc. Alonzo J. Bryan, Washington, New Jersey.

500,000 Celery Plants for Sale

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS

Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS

$5.00 per 1000, 60c. per 100.

KALE PLANTS

Green and Brown, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS

Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

3000 Verschaffeltii Coleus, 2-in. pots, $1.50 per 100. 200 Cannas, Mixed French, 4-in., $5.00 per 100.

Moon Vines, White, 3-in., $1.00 per dozen.

WILLIAM KEYSER

Wholesale and Retail Dealer in Vegetable and Flower Plants

Randolph Ave., Jersey City, N. J.

Between Myrtle and Claremont Avenues

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—My Maryland Roses, 3-in. pots. Quote per hundred. Address "Nursery," care The Florists' Exchange.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

Wanted

Daily Shipments of Cut Roses—Beauties, Kaiserins, Brides, Bridesmaids, etc.—also, assortment of outdoor stock. An excellent market for good, clean stock. Top prices and prompt returns.

Greater New York Florists' Ass'n, Inc.

162 Livingston St., BROOKLYN, N. Y.

FOR SALE OR RENT

FOR SALE—A 10 acres farm and 6 greenhouses; a rare bargain. John Lealman, Box 29, Route 1, Vineland, New Jersey.

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

FOR SALE IN BRADLEY BEACH, N. J. A small florist establishment, the only one in Bradley Beach; two dwelling houses on lot, stock planted out for Winter. Reason for selling; old age. Apply to George Nash, 610-5th ave., Bradley Beach, New Jersey.

FOR SALE—Three Greenhouses, 12 miles from Boston, good home trade, 9 room house, all improvements; 2 minutes to steam and electrics. Will sacrifice for quick sale. John H. Delay, 71 Beacon st., Boston, Mass.

FOR SALE IN MADISON, N. J.

$4000.00, easy terms, will buy 3 greenhouses, each 20x150, with 4 rooms attached, plot 75x250 feet, south exposure, desirable. Local Express to N. Y. City. A. L. Reynolds, Madison, N. J.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Fine Florist Store, at once or later on, in most popular Summer resort. Good chance for young man. Address V. D., care The Florists' Exchange.

FLORISTS' AND SEED BUSINESS FOR SALE

Florists' and Seed business, in a wealthy town 50 miles from New York City. Profits from $3000 to $4000 per year. House, store greenhouse and barn. $5000 Cash—$5000 mortgage. Reasons for selling, sickness.

Address U. C. care The Florists' Exchange

FOR SALE OR RENT—Greenhouses situated near city limits, Harrisburg, Pa. Electric line passes door and easy access to four railroads. 20,000 feet of glass with southern exposure. Inspection invited. A good proposition for right party if taken now. GEO. E. ETTER, 213 Walnut Street, Harrisburg, Pa.

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new modern, best construction. Town 15,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FOR SALE OR RENT

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. E., care The Florists' Exchange

GREENHOUSES FOR SALE

FOR SALE—The George S. Shimer Double Greenhouses, located on Turbot avenue, in Shimer's addition, Milton, Pa., consisting of One Greenhouse of modern design and superior construction—38 feet wide by 190 feet long—15 feet high at center.

One Greenhouse 30 feet wide by 196 feet long—15 feet high at center. Glass 12 in. by 12 in. and 16 in. by 18 in., all first quality and double thickness.

Both Greenhouses are equipped throughout with the celebrated Burnham steam heating system—patent ventilators and latest design sprinkling apparatus. Each of the two No. 840 Burnham boilers is of sufficient capacity to heat both Greenhouses. The office and packing room is a building 21 feet wide by 21 feet long—with two stories and basement—has sleeping room with bathroom for attendant; is also equipped with steam heat and water, has excellent iron tubs for washing vegetables for market and extra water tank of boiler plate, 5 feet deep by 5 feet wide by 8 feet long. Mr. Shimer has simply taken account of the boilers, pipes, fittings, wrought iron, castings, glass, etc., and placed on them prices away below those obtainable by any ordinary purchaser, ignoring such important items as costs of designs, specifications and the bulk of the lumber as well as a vast amount of pattern, foundry, machine and smith work and skilled labor, which was done in his manufacturing establishment at a very great cost to him to bring the equipment of these Greenhouses up to their present state of perfection. Upon application photographs of interior and exterior of entire plant will be forwarded out of town parties, who may be interested in buying—as stated in previous advertisement. I have a Milton purchaser for one Greenhouse and its entire equipment, but no sale will be made unless both Greenhouses are sold. These Greenhouses are to be sold promptly in order to permit the opening up of Fairview avenue in Shimer's addition, and for this reason only are they offered at a great bargain to an immediate purchaser. For prices and terms apply to James Dickson, 410 South Front street, Milton, Pa.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Retail greenhouse establishment in good condition. State terms. Address Box 97, Jersey City, N. J.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO RENT—With the option of buying, greenhouse establishment, about 10,000 feet of glass in good condition, with dwelling house and from 5 to 20 acres; between New York and Boston. State terms. Address, V. I., care The Florists' Exchange.

WANTED

An Agency for First Class Vegetable Fertilizer

Write with full details and samples to

ALBERTO R. LANGWITH & CO.
Seedsmen and Florists
66 Obispo Street, Havana, Cuba

ADVERTISER

would like to communicate with a

Florist or Nurseryman

with ten or twelve thousand dollars who would like to go into business on the Pacific Coast. Address,

S. C., care The Florists' Exchange

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The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD

SUNDRIES FOR SALE

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 75 ft. high; tank capacity, 5,000 gallons. Also a 2½ h.p. Mertz & Weisse kesosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—One No. 50 sectional steam boiler, makers Giblin & Co. One No. 16 Hitchings corrugated hot water boiler in A1 condition. Address, R. Lockwood, Park Ridge, N. J.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—2nd-hand Magee hot water boiler, good as new; had to be replaced by larger one; will heat 500 feet of cast iron pipe, 3½-in., or 800 feet of 2-in. wrought iron pipe. This is a high class boiler and will go quick. $36.00 f.o.b. N. Y. City. R. C. Vernes, 175 Senator st., Brooklyn, N. Y.

FOR SALE—200 boxes of glass, 16x18 and 16x24; 15,000 feet of 2-in. wrought pipe; three No. 17, two No. 15 Hitchings boilers and 2 sectional boilers. 1000 feet of ventilating appratus and sash; also all kinds of other material. Complete greenhouses. 300 boxes of glass, 10x12 and 10x14; August delivery; everything cheap. Suessermann, 229 Livingston st., or P. O. Box 293, Newark, N. J.

LEGAL NOTICES

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the Stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the twenty-first day of July, 1910, at 12 o'clock noon, for the election of a Board of Directors and two inspectors.

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

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after July 11, 1910, at 12 o'clock noon, to July 22, 1910, at 12 o'clock noon.

DAVID TOUZEAU, Treasurer. A. T. DE LA MARE, President.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Worcester, Mass.

Weather conditions are much improved this week and all of the outdoor plants are doing nicely. Campanulas, Delphiniums, Sweet Williams and the various Hybrid Perpetual Roses are thriving.

The annual Rose Show of the Worcester County Horticultural Society was held in the hall on Thursday and brought out a fine display of Roses. It was opened to the public from 3 to 9 o'clock and attracted many visitors. The interest in the weekly shows of this Society is not as great as it should be, considering the fine specimens of flowers, fruits and vegetables which are shown there. Sec. Adin A. Hixon is not at his desk regularly, but manages to be on hand every Thursday at the show. Peonies and Delphiniums were special features of last week's exhibit.

James Edwin Draper, of the Draper Nurseries, has branched out, extending his business to retail flowers and plants. He has recently opened a store on Main st. He is doing well in both departments.

There has not been a June for years that brought so much commencement business to the local florists as this month. Of the 340 graduates of the three high schools 200 were girls and each received one or more bouquets at the exercises in Mechanic's Hall on Friday. Roses, Marguerites, Carnations, Sweet Peas, Violets and Pansies were in demand for these bouquets, Roses and Carnations having the lead.

The business was divided among the many florists of the city, but was sufficient in each case to be noticeable.

Lange has had some exceedingly attractive window displays during the week. A reproduction of a corner in an old-fashioned garden was pleasing. Fuchsias, Feverfew and Geraniums were effectively used, with a border of variegated grass. The other window was a decided contrast, Orchids, Roses and Ferns making an exquisite display. The Roses were arranged in a large gilded hamper, tied with pink satin ribbons, and the other flowers were placed about this, forming the central figure.

H. F. Littlefield is doing a splendid business. His windows at 409 Main st. still attract attention. One last week, which showed tiers of Sweet Williams reaching from the floor to the ceiling, with white birch walls, was artistic. The flowers were seen in all their shades and the colors were most effective against the white of the bark.

Marguerites are in much demand in Worcester for decorations and bouquets. The white and yellow have been artistically employed at June weddings.

Flora's night was observed by Worcester Grange No. 22 P. of H. in Horticultural Hall. Special decorations arranged by James Edwin Draper and Addison L. Bemis, consisting of two panels of Laurel, each about 10 ft. by 4 ft., suspended from the ceiling of the hall, formed a pleasing frame for the display of Peonies and Lilies which banked the stage. The committee received many compliments for the arrangement.

One hundred Cannas, 3000 Pansies, 500 Geraniums, 300 Tomato plants, contributed by Lange, C. D. Thayer, F. A. Keyes, Worcester Greenhouses, and other florists of Worcester, have been helpful in teaching the children of the garden cities a lesson in planting, as well as aiding the committee in charge in carrying on the garden city work which is arousing no little interest this Summer.

E. D.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 15x15, 16x18, 14x20 B double; 16x20 to 15x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

Question Box

(144) **Tragopogon pratensis.**—The enclosed plant made its first appearance last year. None was allowed to seed, but this year it is spreading like wildfire. Will you please tell me what it is and how to stop it.—A Subscriber, Penn.

The weed is Yellow Goats' Beard, (Tragopogon pratensis L.). This is a perennial introduced from Europe and is now found in several of the northeastern States. I know of no pracical way in which this can be eradicated, except by thorough cultivation. Where it does not occur too abundantly, it can be destroyed by the same method used for destroying Dandelions, viz., the plants are cut below the surface and a few drops of gasoline poured on the cut surface. There is also, I believe, a small tool made especially for this purpose.

W. F. Wight, Dept. of Agriculture.

(145) **Deutzia gracilis.**—Will you kindly state name of enclosed shrub?—E. L., N. Y.

W. F. Wight, Washington, D. C.

(146) **Apios Tuberosa.**—(Name of inquirer has been mislaid.)

—The specimen referred to in your letter of June 13 is a legume, Apios tuberosa, sometimes known as "ground nut," a common plant of the eastern United States.

W. F. Wight, Dept. of Agriculture, Washington, D. C.

New Roses for 1910

We give the originator's description of the new Seedling Roses for 1910 raised and offered the trade by Hugh Dickson of Belfast, Ireland:

LADY PIRRIE (H. T.)—A most delightful and entrancing garden Rose of novel and distinct coloring; the outside of the petals are deep coppery reddish salmon, inside of petals apricot yellow, flushed fawn and copper. A vigorous free branching H. T., growing about 2 to 2½ ft., flowering at the point of every shoot; an ideal variety for massing. The delightful combination of colors, freedom of growth and abundance of bloom, are bound to put this Rose in the very forefront of garden favorites. The formation of the flower is perfect and in the bud state is unrivaled. Gold medal, N. R. S. Metropolitan Show.

MARCHIONESS OF WATERFORD (H. T.)—Strong, stout, upright, branching growth, foliage large and handsome, flower carried on stiff erect stems, generally singly. Very large, full, and beautifully formed, petals nicely reflexed at the edges, center high and pointed, color brilliant salmon pink on the outside of the petals, inside of petals silvery blush which shows up delightfully on the reflex of the petals.

MISS MURIEL JAMISON (TEA).—Strong, vigorous and free branching growth, free and abundant bloomer. To lovers of single Roses, this delightful novelty will be specially welcome. The flowers are large and produced continuously in great profusion, perfectly single and of that delightful deep orange cadmium, so novel and so much sought after, the stamens are prominent and deep Japanese yellow in color. For garden decoration this variety is assured a future, but it will probably establish itself as a first favorite for dinner table and drawing-room decoration for which it is a gem.

MRS. JAMES WHITE (H. T.)—Strong, vigorous, branching growth, making a splendid bush, abundant and handsome foliage. The flowers, which are of medium size, are produced in great abundance; they are of perfect Camellia form and open freely in all weathers. The color is quite unique and may be described as deep, rich, crushed Strawberry pink, showing the veining in the petals very prominently.

The Ribbons You Wish You Could Get But Think You Can't Get, You Can Get In The Pine Tree Silk Mills Qualities.

Taffetas, Satin Taffetas, Chiffons. Colors specially for Florists' uses.
Samples and prices for a postal

The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.00 per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.

CROWL FERN CO

Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale.
GREEN MOSS, $1.25 per barrel.
Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.
SMILAX, 50 lb. cases, $6 00.
PINE, 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Rop-ings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

San Francisco

State of the Market

Last week's sales in cut flowers were, on the whole, quite satisfactory, and business has been fairly good all around. At this time of year prices are not generally encouraging to the wholesaler, but at present the latter have nothing to complain of. How long these conditions may continue, one never knows, but we are hoping for the best. Lots of the cheaper grades of flowers, which are grown outdoors, are thrown on the market, but fortunately this stock does not affect the demand for good indoor blooms.

Weddings, this month, have been numerous and most all of the leading florists report a heavy call for high grade flowers for church decorations and receptions.

Carnations are better than they have been this last few weeks, owing to the cooler weather, and many nice blooms are being disposed of at good prices. Winsor and White Enchantress seem to be most in demand.

Roses are improving in quality, although they are still very poor. Beauties are scarce, while there is a ready sale for pink and white Roses of all sorts. There is quite a noticeable demand for Sweet Peas and Lily of the Valley; the former are plentiful but Valley is scarcer now than it has been for many weeks past. Cattleyas have shortened up considerably and in this line C. Gaskellianas and C. gigas have the field to themselves. Phalænopsis amabilis is still to be had in limited quantities.

A few Gardenias still make their appearance and do not have to wait long before they are bought up. Easter Lilies are in moderate demand although lacking in quality. A few Golden Glow 'Mums were seen last week and growers who are on to this variety have every reason to be satisfied with it as a paying proposition. There is quite a demand for green goods and Asparagus and Maidenhair are both plentiful and of fine quality.

Various Notes of the City and State

H. Rossi, of the well-known firm of Pellicano & Rossi has been appointed Grand Marshal of the Native Sons of California. We congratulate Mr. Rossi on having attained this high honor.

H. Plath of Wyoming ave. has been having a well earned vacation at Santa Cruz for some time back.

Alex. Husbands, late of the Walters florist store at Los Angeles, has taken a position at Beresford near San Mateo.

The MacRorie-McLaren Co. received a large importation of Tree Ferns from Australia this week.

E. W. McLellan & Co. of Burlinghame, the well-known Rose experts, have finished planting several of their large houses with young stock. Mr. McLellan informs us that he intends to build several additional houses this season.

At a meeting of the directors of the Apple and Fruit Fair to be held in Sebastopol next August, it was reported by the committee that the packers who do business in that extensive fruit growing section will each make an exhibit. The great pavilion will cover more than two acres of ground and will be the greatest fair of the kind ever held in the State. Thousands of dollars worth of Apples and other fruits will be shown and a large premium list has been offered for the best and most attractive exhibits.

A resolution calling upon the State Legislature to appropriate the sum of $100,000 for use by the State Horticultural Commission, in order that the horticultural industries in the State may be given what the Association believes is the attention which their importance justifies, has been adopted by the directors of the Sacramento Valley Development Association.

The C. Navelet Co. of San Jose report having had the busiest season on record in their Chrysanthemum trade; something like two hundred thousand plants have already been sold, and orders continue to pour in.

Calla growers are busy getting their bulbs ready for Easter orders; growers in San Francisco and vicinity have an exceptionally fine lot of bulbs to dispose of this season. WM. McM. BROWN.

Paterson, N. J.

In the conflagration which at one time on the night of Monday, June 20, threatened to destroy this city, and which did damage to the tune of $500,000, the Paterson Floral Co., 304 Main st., suffered a loss of $1500 on stock and fixtures.

Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15.00 or more.

Climax Manufacturing Co.
CASTORLAND, N. Y.

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements,

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Krick's Letters THE BEST.

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

New Crop Ferns

FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved

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Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

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Fine, healthy stock, out of soil, $2.00 per 100 $15.00 per 1000. Cash with order.

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Baltimore

The Market

Business is almost at a standstill and practically a glut of flowers is on hand. The warm weather has sent thousands of people to the country and seashore aud the trade feels the effect of the exodus. However, we expect these conditions and somehow they end themselves, meanwhile giving time for rest and making improvements. A few of the growers have stopped coming in. The retail trade has fallen off somewhat, except in funeral work. Roses are plentiful and stock fair. Carnations are extremely heavy in supply and sell slowly. Sweet Peas are a glut, due to the inside and outside crops coming in at one time, and they are offered at low figures. The farmers handle many flowers and sell at any old price. Dahlias are making their appearance on the market, but find a poor sale. Asters are coming in slowly. Hydrangeas are still heavy in supply aud drag. Pot plants are offered at extremely low prices. Of greens there seems enough to meet the demand.

Last Tuesday morning, during market hours, an automobile ran into the stall of Miss Tilley Eyre and damaged the plants. The driver paid the damages and business continued as usual. Miss Eyre reports having had a successful season and had a heavy run on Pansy plants.

Charles Cook of W. Mosher st. has sold his old property and is rushed to make away with the range of houses, to let the builder start to erect new houses. Mr. Cook will haul the old houses to his new place and use some of the material to build with. The work is now progressing nicely on his new range and by Fall will be completed.

Peter Eberhardt, Catonsville, Md., has set things humming in his vicinity. He has erected an uptodate new cottage and furnished it in tiptop style, electric lights throughout and every convenience. He also has bought a driving horse and a handsome auto back rubber tired carriage. He will erect another new greenhouse this year. Mr. Eberhardt was recently married and good luck has been following him.

John Donn is retiring from business and is offering his greenhouses and stock for sale at a low figure.

R. Kaiser of Annapolis, Md., reports a heavy business during the June commencement week at the Naval Academy, the exercises calling for thousands of choice cut flowers, 500 American Beauty Roses were used and quite a few Orchids. The display of flowers was gorgeous. Mr. Kaiser has a store at Annapolis and his range of houses is at West Annapolis, about one mile from the store. He has about two acres of land and all is under cultivation, a beautiful place on the Severn River, on the Baltimore and Annapolis Short Line Railroad.

J. L. T.

LINCOLN, ILL.—Gullett & Sons are making extensive repairs and additions to their greenhouse establishment.

CLOSING OUT ON 'MUMS

3000 Appleton	1000 Bonnaffon	250 Mrs. Robinson
2000 Dr. Enguehard	1000 Chadwick	550 Partridge
1000 Pacific	200 Pockett's Crimson	400 Monrovia
1000 Mrs. Dunne	400 Yellow Miller	1000 Nonin

All the above at $2.50 per 100; $25.00 per 1000.

Chadwick, $3.00 per 100; $30.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

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CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00

YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.60
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Ynooma	3.00

CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Golden Glow, Yellow Miller, Mrs. Kahn, Money Maker, President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $2.00 per 100.

EDWARD J. TAYLOR, Greens Farms, Conn.

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SPECIAL JULY PRICE

WHITE HELEN FRICK

The best and only Late White 'Mum, fine stock, from 2½-in. pots, $6.00 per 100, $50.00 per 1000. 250 plants at thousand rate.

HENRY EICHHOLZ, Waynesboro, Pa.

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FLORISTS' MUMS

For further particulars see Stock for Sale colums, page 22

Elmer D. Smith & Co.

ADRIAN, MICH.

Please mention the Exchange when writing.

Lexington, Ky.

Summer weather is here and, in consequence, business is practically at a standstill. Society people are departing rapidly and this also helps to make business slow.

Bedding plants were well cleaned out this Spring and all plantsmen report the best season ever. Many more could have been disposed of, but the florists were glad when the sales were over, so they could get at their cut flower houses. There was also a good demaud for window boxes and vases to be filled this year.

Roses are not so very good, but they find a fairly good demand at $1 to $1.50 per doz. Carnations are good, considering the extremely hot weather; they retail for 50c. per doz.

Sweet Peas are becoming more plentiful and bring 75c. per 100; they will be much cheaper in a few days. Gladiolus are good and retail for $1 and $1.50 per dozen spikes.

Stocks and other short stock is in good supply. Green goods are plentiful. There is a fairly good demand for pot Ferns for decorating.

Growers are busy planting young stock of Roses, Carnations and 'Mums and the plants never looked better.

The boys at the J. A. Keller estate on East 6th st. have finished planting one Carnation house, 32x200 ft., and are getting the other houses ready. Approximately 20,000 Carnations and 5000 'Mums will be set out. Bernard Eggers, formerly with S. M. Harbison of Danville, Ky., is now the grower here. Recent visitors were Jno. Christman of Paris, Ky., on his way to Louisville, to spend his vacation; Max Rudolph of Cincinnati and Louis D. Singer of Frankfort, Ky.

Miss Fannie White of Anderson & White, Lucien LeClere, Keller and Henry Ballard were in Cincinnati last week on business.

August LeClere, the noted florist and landscape gardener at the Eastern Kentucky Lunatic Asylum on 4th st., has everything in first-class shape at that institution this year. LEXINGTONIAN.

4,000 Dr. Enguehard Chrysanthemums

From 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

25,000 BOUVARDIAS, 2¼-in. pots, white, pink and red, $2.00 per 100; $18.00 per 1000.

TALL GROWING STEVIA, from sand, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS, from 3½-in. pots, strong, $10.00 per 100.

MOREL BROTHERS

622 E. Market Street, Scranton, Pa.

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CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.

Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.

Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

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SPECIAL GRAND Chrysanthemum Offer

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-inch pots, $17.50; 500 for $9.00.

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
WHITE VARIETIES.				
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	60.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	26.00	4.00	35.00
Alice Byron	2.00	16.00	2.60	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.60	20.00
Ynoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	26.00	4.00	36.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW VARIETIES.				
Golden Glow (500 for $9.00)	2.00	15.00	2.50	17.50
Monrovia	2.00	15.00	2.60	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK VARIETIES.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED VARIETIES.				
Cullingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

2-inch stock of following: Salvias, Lobelias, Petunias, Ice Pink, Salleroi Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER

GREENPORT, N. Y.

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Chrysanthemums

Extra fine young stock, out of 2¼-in. pots, $20.00 per 1000, of Bonnaffon, J. Nonin, Golden Glow, Ivory and Zimmer's Yellow, in great quantity.

POMPONS

Klondike, Diana (Queen of the White), Zenobia, Baby Marguerite and Yellow Baby, $20.00 per 1000. Also a good variety of best sorts for cut flowers.

Cash with order please.

CHARLES ZIMMER

West Collingswood, N. J.

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NEW YORK, June 29.—On Monday and Tuesday of this week all staple stocks moved well for the closing days of June. Today, Wednesday, is hardly able to keep the pace of the two former days, but it is not a bad day in the market, and the morning hours showed considerable business. American Beauty Roses are in good supply, with a quality medium to poor. The demand is steady and the prices firm, especially for the higher grades. While many specials are changing hands at $2 per dozen, not a few choice blooms reach the $3 per dozen mark. The supply of Killarney is sufficient to meet all demands. The quality is deteriorating with the advance of Summer, still stock is moving fairly well at 5c. each for top grade. My Maryland is preferred above all other pink Roses and is proving a very satisfactory Summer Rose. The supply and demand are pretty well balanced and the best grade is selling for 6c. with some transactions for choice blooms at 8c. each. The supply of Richmond is plentiful, but the blooms are small and open up quickly. Stock is moving slowly at 5c. each for the very best grade.

Bride and Bridesmaid are plentiful enough, such as they are; the former is of the better quality of the two, but neither is in good condition. Of the two Bride meets with a more ready sale. The top price for the best obtainable is 5c. each with most sales around the 3c. mark.

The supply of Kaiserin is rather short, and flowers are coming cut tight and in fair condition, and meet with a good sale at 5c. each for top grade.

It may be noted that at present the demand for good grade white Roses is stronger than for those of any other color, unless it be American Beauty.

The supply of Carnations is gradually lessening, with a tendency to a little higher price for the best grade, almost no price at all for poor stock. White is the color most in demand. The top notch price for the highest grade is 2c. each, while the medium grades stay around the $1 mark.

Orchids are not coming in so abundantly, and with a fair demand prices though not advancing are somewhat firmer. The best grade of Cattleyas is selling for 50c. each. Gardenias are about done for, as regards supply, quality and demand. $1 per dozen is the highest price, with few buyers at any price.

The supply of Lilies is constant and abundant. The demand is somewhat stronger this week, with a tendency to better prices. While most of sales are around the 4c. mark, the best grades realize in a few cases 6c. each. The supply of Lily of the Valley is equal to the demand and the best grade fetches $3 per 100.

The supply of Gladioli is abundant, covering many varieties, which meet with a fair sale at 75c. per dozen, for the best quality, with America a favorite.

Sweet Peas are very plentiful, and the quality extra fine, but the demand is now beginning to slacken, and they are not moving so well today. The finest quality realizes no more than 75c. per dozen bunches. All greens are abundant with a fair demand and unchanged prices.

PHILADELPHIA, June 27.—At the end of last week the market was in a demoralized condition. An oversupply of stock, a small demand, prices down, wagonloads going to the street men, and thousands of bunches of Sweet Peas and along with them Stock Gilly, Feverfew, etc., going to the barrel. Today the condition is somewhat better but stock is moving slowly.

American Beauty Roses are in moderate supply and the quality is fairly good, but the demand is not at all brisk. Specials are selling for $2 per dozen, though a few choice blooms in limited sales bring $3 per dozen. There is an abundant supply of Killarney, My Maryland and Richmond. The two former are of good quality, and, when it comes to a choice, My Maryland now takes the precedence over Killarney. Richmond is coming in small and the quality is deteriorating.

The demand for all of the above is only moderate, and most of sales for the best grade are around the 5c. mark, with a few selling as high as 8c. each. The supply, price, and demand for Kaiserin does not differ materially from the above varieties.

Bride and Bridesmaid are of very poor quality; the few good blooms move fairly well, but there is very little demand for the poorer grades. Fancy specials bring 6c. each, with a few sales at 8c., but the bulk of these two varieties are selling for way down prices.

Carnations are plentiful and some of them for the season, are remarkably good. The best grades meet with a fair demand, the poorer grades move slowly. For best grades 2c. each is about the highest figure, though some exceptionally good blooms reach the 3c. mark.

The supply of Orchids is a little shy and Cattleyas are fetching, for top grade, 60c. each in small quantities, with larger sales around the 50c. price.

There are more than enough Gardenias to satisfy every demand, the movement is slow and $1.50 per dozen is the top notch price for the choicest flowers.

There is an oversupply of Lilies and a small demand. Most of sales are around the 6c. figure, but in some small transactions 10c. was paid.

Lily of the Valley is in fair supply, and of good quality with sales at $4 per 100 for fancy blooms under a moderate demand.

Sweet Peas are now of better quality than last week, and are moving off somewhat better, but the prices are down, no more than 50c. per hundred being realized for the very best grade.

The supply and quality of greens is all that could be asked for but the tendency is toward lower prices and slower sales. Miscellaneous outofdoor blooms, such as Stock Gilly, etc., meet just now with little favor.

BOSTON, June 28.—Business on the whole has been quite dull the week past and there is much surplus around. Large quantities of good flowers are disposed of by the street venders but even that outlet does not wholly relieve the situation.

In certain classes of goods there is quite a good demand. Roses are plentiful even though the growers are busy planting their houses. Exceptionally good quality Roses are selling remarkably low. Killarney, both kinds, are in good demand. American Beauty are still selling well. Carnot, My Maryland and Kaiserin are still coming in of very good quality and, for the best grades, a demand is still maintained. Bride and Bridesmaid are of poor quality with not much demand.

Carnations are selling much higher than they were a year ago and the quality is surprisingly good for the lateness of the season.

Sweet Peas are coming poor and are not nearly as good as they should be, this on account of the wet weather in the early part of the month. Two weeks more should see an end to all inside crops of Sweet Peas.

Stocks, Easter Lilies and Peonies are in feeble demand.

Cattleyas have advanced somewhat in price; there have been good calls for this flower during the month.

Lily of the Valley is in good demand. Gypsophila is coming in and in good demand. R. C.

CHICAGO, June 28.—The market is in a more satisfactory state than it was last week, and business is reported excellent for the end of June. As is customary at this time, good stock is very scarce, and the demand in all lines for such is very active. Of course, there is much less stock than at last writing, about half the quantity, and for this reason fairer prices are commanded. At the end of last week stock cleaned up completely all around, which was somewhat of a surprise, owing to the quantities available earlier.

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Here in Good Summer Stock
LILIES, The Best. CARNATIONS and ROSES, as good as Winter stock.
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Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK

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Roses are becoming more and more affected by the continued hot weather, and the best Roses observed are American Beauty and Kaiserin, although some presentable Killarney are seen occasionally. The best American Beauty remain at $3 per dozen, with Kaiserin and the special grade of Killarneys ranging up to $10 per 100. Carnations have picked up somewhat, and as the crop is so greatly reduced there is more demand. The good grades are not a bit difficult to dispose of, while the inferior grades are selling for whatever can be obtained for them.

Peonies have attracted more attention in the last few days, and some most commendable flowers are being received. The price has also advanced. Where a week ago they went begging, from 50c. to $1 per dozen is being now received for them.

Very few Callas and Harrisii Lilies are in evidence this week, although there are quantities of L. candidum from Michigan in the market. Lily of the Valley holds its own, not varying in price for months.

Some fine Shasta Daisies are observed and are bringing from $1 to $1.50 per 100. White Clematis has also arrived, although in no great quantity. Some good Gaillardias are to be had at $1 per 100. Campanulas, Delphiniums, Candytuft, and Mignonette are all obtainable. Sweet Peas are certainly off form, and one can hardly believe that two weeks could make such a difference in the quality; such as are to be had in any good shape meet with ready sales.

Orchids are not at all plentiful, in fact it is almost impossible to get a supply sufficient for the demand, and $50 per 100 is obtained readily for them.

ST. LOUIS, June 27.—Trade conditions were good last week; a few late weddings, school work and funeral work helped out greatly, but the prospects from now on are not very flattering for the storemen. Most of the bosses are planning where and how to spend a few weeks' vacation before the season opens.

Stock at the commission houses is not of extra good quality. The hot weather of last week shows its effect plainly on the Rose stock that is being consigned to this market. Carnations and Sweet Peas are in such abundance that to quote the correct price would be impossible. There is also an abundance of outdoor stock of all kinds, including a few Asters and Gladioli with plenty of greens of all kinds. ST. PATRICK.

INDIANAPOLIS, June 27.—The best business of the month was transacted last week and much stock was made profitable which, under ordinary circumstances, would have gone to waste.

The amount of field-grown flowers which were accepted by the increased counter trade was a feature. Everything in this line, from late Peonies to Daisies, sold better than heretofore. June weddings have been numerous enough, so have decorations, but there were none of them much over two figures in price.

Carnations have rapidly diminished in quantity and from now on there will probably be a dearth of them until the new cut comes in. Wholesale prices range from $2 to $3 per 100; retail from 50c. to 75c. per dozen. White ones are more desirable at this time and bring the best figures.

Roses are showing the effect of the hot spell which has been almost intolerable for some days. The size of many of them is scarcely one half that of a month ago but prices have changed very little. The best Killarney, Richmond and Kaiserin wholesale at $6 to $8 per 100 and retail at $1 to $2 per dozen.

Indoor and field grown Sweet Peas are good property at 50c. to 75c. per 100 wholesale and double that at retail.

Four kinds of Lilies, namely rubrum, album, auratum and Harrisii are on hand in quantity; the price for same is largely governed by surrounding markets.

The bedding season just closed has been a satisfactory one and there are but few plants remaining; the only objection offered is the small margin to those handling them. I. B.

Coming Exhibitions

National Sweet Pea Society, July, 1910.—Harry A. Bunyard, secretary.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the American Gladiolus Society in connection with that of the S. A. F. L. Merton Gage, cor. secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

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Wholesale Prices of Cut Flowers, New York, June 29th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 25.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	1.00 to 8.00
Richmond	50 to 5.00
Mme. Abel Chatenay	.... to ....
Kaiserin	1.00 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.... to .50
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.25 to .50
Standard Varieties White	.75 to 1.00
Standard Varieties Pinks	.75 to 1.00
Standard Varieties Red	.75 to 1.00
Standard Varieties Yel. & Var.	.75 to 1.00
Fancy (The highest grades of Sta'd varieties) White	1.00 to 2.00
Fancy (The highest grades of Sta'd varieties) Pinks	1.00 to 2.00
Fancy (The highest grades of Sta'd varieties) Red	1.00 to 2.00
Fancy (The highest grades of Sta'd varieties) Yel. & Var.	1.00 to 2.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.00
Gladioli	2.00 to 6.00
Lilies, Harrisii and Longi.	2.00 to 3.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to .75
Tulips	.... to ....
Iris	.... to ....
Peonies	2.00 to 5.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond,
Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square P. J. SMITH, 49 WEST 28th ST., NEW YORK

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55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

ORCHIDS
The best of Orchids always on hand, also all kinds of Cut Flowers.
Gretsch & Ordonez Bros. Wholesale Florists
52 West 28th Street NEW YORK CITY
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We Solicit Consignments from Good Growers.

Please mention the Exchange when writing.

A. L. Young & Co.
WHOLESALE FLORISTS
54 West 28th Street, NEW YORK
Telephone, 3559 Madison Square.
Coosigomeats of Choice Cut Flowers Solicited.
Prompt Psymeots. Give us a Trial

Please mention the Exchange when writing.

New York

What might have been a very serious affair was an accident which happened to A. M. Henshaw, Chas. H. Totty, Mrs. Totty and their daughter Helen on Friday, June 24. The party were enjoying a ride in Mr. Henshaw's automobile and when near New Providence, N. J., while running along an embankment, the embankment gave way, the automobile turned a somersault throwing the party out, and then plunged down the grade, turning over once more. Fortunately, the occupants were flung clear of the machine, and escaped injury beyond a thorough bruising and shaking up, with some lacerations. Strange to say the automobile was not damaged to any extent, and was used for the return home.

David Mackenzie, manager of the greenhouse establishment of the late John Scott, Flatbush, Brooklyn, N. Y., was married June 28, to Miss Jessie Scott, sister of Mr. Scott, at the home of her mother in Flatbush. The house was handsomely decorated. R. G. Wilson of Brooklyn had the decorations. The happy couple sailed on Thursday on the Adriatic for Southampton, on a trip to Scotland. David has the congratulations of his many friends.

W. H. Waite, superintendent of "Greystone," Yonkers, N. Y., the estate of Samuel Untermyer, has resigned his position and will sail on Saturday, July 2, for a three months' trip abroad. Mr. Waite has been suffering with rheumatism for the past two months and is taking the trip by his doctor's advice.

John Wilson of Short Hills, N. J., is to discard Roses and plant his greenhouses with Asparagus, a crop which will allow of Mr. Wilson giving more of his time to his duties as president of the Wilson-Hoyt Co., builders of concrete benches for greenhouses.

Geo. T. Schuneman of Baldwin, L. I., returned on June 23 from a seven weeks' trip through Europe.

At the outing of the N. Y. Florists' Club Harry Turner had his motor launch "Yankee" brought down, and took Jos. S. Fenrich, Phil Kessler, M. C. Ebel, and Miss Donnelley out for a sail.

All bowlers, members of the N. Y. Florists' Club, who wish to compete for places on the Club team for the S. A. F. convention at Rochester, should communicate with J. A. Manda, W. Orange, N. J., who is organizing the team. The bowling will take place at Thum's alleys, and the best average out of 15 games will be taken.

Chas. Plumb, of the Detroit Park department, was in the city on Tuesday, en route to Europe. He attended the outing on that day of the N. Y. Florists' Club and appeared to enjoy himself immensely.

Philip F. Kessler is now thoroughly settled in his well equipped new quarters on the third floor of the Coogan Building, W. 26th St., where he is handling his specialties. He is receiving daily shipments of high grade Lilies and can furnish any number any day in the year.

P. J. Smith, 49 West 28th St., fits so easily and naturally into his new place as proprietor of the business at that address since John I. Raynor's withdrawal, that one hardly knows a change has taken place. A full line of Roses, Lilies, Carnations, etc., of best grade can always be found at Smith's.

The two handsomest, most commodious and convenient florists' stores now on W. 28th st. are those of Traendly & Schenck and Walter F. Sheridan. They carry stocks of flowers, too, in keeping with the stores.

The contract calls for a completion of the work on George Saltford's new store, 129 W. 28th St., by July 12, and he will occupy the premises July 15.

Ordonez Bros., Madison, N. J., are expecting very soon an importation of Cattleya Mossiæ, Trianæ, gigas and labiata.

Jasper McMullen, Flushing, L. I., has sufficiently recovered from his recent illness so that he is now back at his stand at the N. Y. Cut Flower Exchange.

J. K. Duer, 644 Madison ave., is passing the Summer at his country place at Babylon, L. I.

J. W. Hauser, 571 Madison ave., has had considerable funeral work recently, among which may be mentioned a casket cover of Orchids and Lily of the Valley and several other large pieces, for the funeral of the late William Buhler, of 550 Park ave.

John S. Nicholas, 37 East 42d st., reports a good steamer business, and a recent large out-of-town wedding order. Mr. Nicholas' son, M. Nicholas, will take his vacation, cruising in his motor boat, the "Crete." He is a member of the N. Y. Motor Boat Club, and may, on July 2, go into the 270 mile motor boat race from New York to Albany and return.

One of the simplest yet most effective window displays to be seen in New York City today is that of J. H. Small & Sons, 1123 Broadway. It is just one large group of some finely colored specimens of Dracæna amabilis and imperialis, with an edging of Ferns at the base. Nothing more, but it is worth looking at. This firm has been receiving a large number of steamer orders recently.

Retail florists can be divided into two classes, those who keep up an attractive store window during the Summer and those who do not. A. Warendorff, 1193 Broadway, belongs to the former class, as a glance at the tastefully dressed store window easily proves. Weddings, steamer orders and funerals have given Mr. Warendorff a busy June.

Myers, 609-611 Madison ave., is building out his whole store front and also adding a portico the whole width of his front, which when finished will make a great improvement. Furthermore, he has secured a lease for six years from next September of the adjacent building, No. 609 Madison ave.

The Boston Florist Co., corner Lexington ave. and 34th st., carries a nice line of decorative plants, such as Bay Trees, Palms and Ferns, and also a full line of cut flowers. The company occupy the second floor also and have there an attractive conservatory. They have been at this location about seven years, and report a very good June, both in plant sales and in steamer orders.

Julius, 115 Lexington ave., corner 28th st., has been fourteen years at this location, and he reports that as far as he can note business keeps on at the same steady pace year after year.

Speaking of the matter of years, R. Willburger has been twenty years on the corner of Third ave. and 35th st., and forty years in the same block where, also, the greenhouse used to be.

Again, Richard Scommodan started in business in 1859 at the corner of 25th st. and 5th ave., 51 years ago, and later moved into that quaint little one story, flat roofed, wooden building standing up against the wall of the adjacent brick building at the 300 W. 34th st. corner of 8th ave., where for 30 years he has been selling potted plants and cut flowers, and where one may find him any warm morning sprinkling his plants—among which was lately noted, as if in keeping with the place, that old time plant Joseph's Coat—and selling his plants and flowers. Take a look at this establishment and then at some of New York's largest retail florist stores. Some one has said "Comparisons are odious." Not necessarily, but they are often suggestive.

J. Henry Kershaw, with the Kelsey Nursery Co., 150 Broadway, sails for Europe on July 9, on the St. Louis, for a month's vacation. Mr. Kershaw will visit his home at Bradford, England, and then make a business trip for his firm through Holland, Belgium and Germany. We understand that there is something in the way of a little send-off on foot for Mr. Kershaw.

The sale on Monday by the Fruit Auction Co., John P. Cleary, auctioneer, covering a stock of decorative plants of F. H. Dressel, Weehawken Heights, N. J., was a great success. Everything offered was disposed of at good prices. Buyers seemed to appreciate the chance to secure some fine stock for growing on and for immediate decorative purposes.

Joseph Vocke, Astoria, L. I., manager of Wm. H. Siebrecht's stand at the N. Y. Cut Flower Exchange, is sick with tonsilitis.

The fourth annual outing of the Greek-American Florists' Association will take place on Thursday, July 7. Tickets for gentlemen are $3, ladies $2, children $1. The steamer "Isabel" leaves foot of 31st st. and East River at 10.30 a.m. The outing will be at Witzel's Point View Grove, College Point, L. I.

H. H. Groff of Simcoe, Ont., Canada, the Gladiolus specialist, was in the city on Wednesday.

The outing program issued by the New York Florists' Club (Harry A. Bunyard, chairman of the Outing Committee) for their Tenth Annual Outing, Bean Feast and Games, is certainly commendable from every point of view and deserves more than passing notice. The program is a handsomely printed book of 60 pages and cover, is notable for the amount of advertising patronage which has been given to it by the trade, and contains portraits of many members of the New York Florists' Club—in itself no slight achievement to gather all these pictures together—and additionally gives an alphabetical list of all the members. The sports (of which there are no less than thirty-five numbers) are given, and the order in which they are to be run off is clearly set forth in the program in full detail. So far as making preparations in advance can be done, provision was made to fully occupy the attention of every one attending the picnic from starting time at 10 o'clock, June 28, until the return to the city at 9.30 p.m. The menus for breakfast and dinner are included.

PITTSBURGH CUT FLOWER COMPANY
WHOLESALE GROWERS
222 Oliver Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jun. 25, 1910	Pittsburgh Jun. 29, 1910	NAMES AND VARIETIES	Boston Jun. 28, 1910	Detroit Jun. 26, 1910	Cincinnati Jun. 27, 1910
25.00 to 35.00	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	18.00 to 25.00	20.00 to 23.00	..... to 26.00
..... to 20.00	10.00 to 15.00	" extra	6.00 to 12.00	15.00 to 18.00	..... to .....
..... to 12.50	5.00 to 6.00	" No. 1	1.00 to 3.00	10.00 to 15.00	..... to .....
4.00 to 6.00	2.00 to 3.00	" No. 2	..... to	4.00 to 8.00	..... to 1.00
..... to 8.00	..... to	Killarney	1.00 to 6.00	..... to	1.00 to 4.00
..... to 8.00	..... to	White Killarney	1.00 to 6.00	..... to	1.00 to 4.00
..... to 6.00	2.00 to 8.00	My Maryland	1.00 to 6.00	3.00 to 8.00	2.00 to 6.00
4.00 to 6.00	2.00 to 8.00	Richmond	1.00 to 6.00	4.00 to 10.00	2.00 to 6.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	4.00 to 10.00	..... to .....
..... to 6.00	..... to 8.00	Bride, Maid, fancy—special	6.00 to 8.00	..... to	..... to 5.00
..... to 4.00	..... to 6.00	" extra	2.00 to 4.00	4.00 to 6.00	..... to .....
..... to 2.00	3.00 to 4.00	" No. 1	1.00 to 1.50	3.00 to 4.00	..... to .....
..... to	..... to 2.00	" No. 2	..... to	2.00 to 3.00	..... to 1.00
..... to 1.00	1.25 to 1.50	**Adiantum**	.50 to 1.50	.75 to 1.00	..... to .....
..... to 30.00	20.00 to 50.00	**Asparagus**, Plumosus, bunches	30.00 to 50.00	30.00 to 40.00	..... to 10.00
..... to 30.00	10.00 to 20.00	" Sprengeri, bunches	..... to	30.00 to 40.00	..... to .....
..... to	..... to	**Bouvardia**	..... to	..... to	..... to .....
..... to	..... to	**Callas**	..... to	..... to 12.50	..... to .....
..... to	..... to 1.00	**Carnations**—Inferior grades, all colors	..... to	..... to	..... to .....
..... to 1.00	..... to 1.00	Standard Varieties: White	1.00 to 2.00	1.00 to 1.50	.75 to 1.00
..... to 1.00	..... to 1.00	Standard Varieties: Pink	1.00 to 2.00	1.00 to 1.50	.50 to .75
..... to 1.00	..... to 1.00	Standard Varieties: Red	1.00 to 2.00	1.00 to 1.50	.50 to .75
..... to 1.00	..... to 1.00	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
1.50 to 2.00	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 3.00	1.50 to 2.50	..... to .....
1.50 to 2.00	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Pink	1.00 to 3.00	1.50 to 2.50	..... to .....
1.00 to 2.00	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Red	1.00 to 3.00	1.50 to 2.50	..... to .....
1.50 to 2.00	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	1.00 to 3.00	..... to	..... to .....
..... to .50	1.00 to 2.00	**Daisies**	..... to	.50 to 1.00	.35 to .50
..... to .25	..... to	**Ferns**, hardy	.10 to .15	..... to .15	..... to .....
..... to .20	..... to tn	**Galax**, green and bronze	.10 to .15	..... to .12	..... to .....
..... to	..... to	**Gardenias**, per doz.	..... to	..... to	..... to .....
..... to	6.00 to 12.00	**Gladiolus**	2.00 to 4.00	3.00 to 5.00	..... to .....
..... to 12.50	6.00 to 8.00	**Lilies**, Harrisii and Longi	6.00 to 8.00	12.50 to 15.00	12.00 to 15.00
..... to 3.00	2.00 to 4.00	**Lily of the Valley**	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00
..... to	..... to	**Mignonette**	..... to	2.00 to 3.00	..... to .....
..... to	40.00 to 60.00	**Orchids**—Cattleyas	30.00 to 40.00	..... to	..... to .....
..... to	..... to	Cypripedi ums	..... to	..... to	..... to .....
..... to	..... to .50	**Pansies**, per doz. bunches	..... to	..... tn	..... to .....
2.00 to 4.00	6.00 to 8.00	**Peonies**	4.00 to 6.00	4.00 to 8.00	..... to .....
..... to 1.50	..... to 1.50	**Smilax**, (per doz. strings)	..... to	..... to 1.50	..... to .....
..... to .50	.25 to .75	**Sweet Peas**	.35 to 1.00	.75 to 1.00	.35 to .50
..... to	..... to	**Tulips**	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania florists
937 Liberty Ave., PITTSBURGH, PA.
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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

WE beg to announce that on and after July 1st, 1910, the premises on the first floor of the Coogan Building will be under the management of A. Moltz & Company, who will sell, at wholesale only, all Flowers in Season in addition to Roses.

A. MOLTZ & COMPANY,
Wholesale Florists
A. MOLTZ
MAURICE L. GLASS
Telephone 2921 Madison Square
Coogan Building
55-57 West 26th Street
NEW YORK CITY
Open from 5 a. m. to 6 p. m.
Please mention the Exchange when writing.

E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. CINCINNATI, O.
All Cut Flowers in Season
I Sell Heller Bros. Roses
I Manufacture Wire Work
Illustrated Catalogue for the asking.
Get your order in now for
HANGING BASKETS
The Best—The Strongest—The Cheapest
Green Sheet Moss, $1.00 per Bundle
Sphagnum Moss, $1.00 per Bale
Please mention the Exchange when writing.

Has Anybody Seen Janet?

Janet, a big cat that was the pride of Thorley's flower shop, in Fifth avenue, New York, and an object of admiration of Mr. Thorley's customers, has disappeared. Whether a continual bed of Roses palled upon Janet or whether she listened to the honeyed coaxing of some ardent suitor and eloped is not known. She departed on Sunday night. Mr. Thorley is anxious to recover his pet and has inserted this advertisement in the Herald:

STRAYED from Thorley's, 562 5th ave., Maltese Angora cat; reward return.

Besides being of considerable value, the animal has been in Mr. Thorley's possession for a long time and for old time's sake he wants to see Janet amid the blooms once again.

Boston

This is the hottest week of the year and probably has quite a good deal to do with the dullness of business. There is an abundance of all kinds of flowers but most of them have been going slow.

The Montgomery Rose Co. at Hadley, Mass., of which Alexander Montgomery, Jr., is manager, has completed the building of its new range and the houses are also all planted with Roses. The principal kinds grown will be Killarney, White Killarney and Richmond.

At the Waban Rose Conservatories, Natick, Mass., they are busy planting their houses and expect to be all through by July 4. They have discarded the Bride, but will run some Bridesmaid. The other kinds which are to be grown in quantity are Killarney, White Killarney, Richmond, Am. Beauty, Safrano, Bon Silene and Mrs. Aaron Ward.

William Nicholson of Framingham has grown quite a batch of Edelweiss (Leontopodium alpinum) and it is now conspicuous in most of the retail stores. It is not a showy plant but it is the national flower of Switzerland and is as much esteemed by the people of that country as the Shamrock is by the Irish. It is easily grown from seed.

Henry Comley of Park st. had a good

SELLING more **PLANTS** every year means new customers. New customers come in consequence of better advantages offered by us. It means that they have tested our claim and found that all plants we offer are just as we represent them, sometimes even better. We guarantee satisfaction and can make prompt delivery.

ROSE PLANTS Maids, 3½ inch pots $7.00 per 100. Brides, 3 inch pots, $6.00 per 100. Richmond, 3 inch pots, $6.00 per 100.

WINSOR CARNATION CUTTINGS $35.00 per 1000.

3 inch pots. Strong plants with several breaks. Ready to plant on your benches.

BUSINESS HOURS: 7 A. M. to 6 P. M.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jun. 27, 1910	Buffalo Jun. 28, 1910	NAMES AND VARIETIES	Phil'delphia Jun. 27, 1910	St. Louis Jun. 27, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	10.00 to 15.00
..... to 20.00	12.00 to 15.00	" extra	15.00 to 20.00	8.00 to 10.00
12.50 to 15.00	7.00 to 10.00	" No. 1	10.00 to 15.00	3.00 to 4.00
6.00 to 10.00	2.00 to 4.00	" No. 2	4.00 to 10.00	..... to .....
4.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 5.00
4.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	3.00 to 5.00
3.00 to 8.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 6.00	3.00 to 8.00	Richmond	2.00 to 8.00	..... to .....
2.00 to 5.00	3.00 to 6.00	Perle	3.00 to 6.00	..... to .....
2.00 to 6.00	..... to	Golden Gate	2.00 to 8.00	..... to .....
2.00 to 6.00	3.00 to 8.00	K. A. Victoria	3.00 to 8.00	..... to .....
..... to 6.00	6.00 to 8.00	Bride, Maid, fancy—special	6.00 to 8.00	..... to 4.00
..... to 5.00	4.00 to 6.00	" extra	4.00 to 6.00	..... to 2.00
..... to 4.00	3.00 to 4.00	" No. 1	3.00 to 4.00	..... to .....
2.00 to 3.00	2.00 to 3.00	" No. 2	1.00 to 3.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to 2.00	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	6.00 to 8.00	Callas	8.00 to 12.50	..... to .....
..... to 1.00	1.50 to 2.00	Carnations—Inferior grades, all colors	.75 to 1.00	1.00 to 1.50
1.50 to 2.00	1.50 to 2.00	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.00 to 1.50
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Red	1.00 to 1.50	1.00 to 2.00
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Yellow and var	1.00 to 1.50	..... to .....
..... to	2.00 to 2.50	*Fancy (*The highest grades of Std'd vars.): White	2.00 to 3.00	1.50 to 2.00
..... to	2.00 to 2.50	*Fancy (*The highest grades of Std'd vars.): Pink	2.00 to 3.00	1.00 to 2.00
..... to	2.00 to 2.50	*Fancy (*The highest grades of Std'd vars.): Red	2.00 to 3.00	2.00 to 2.50
..... to	2.00 to 2.50	*Fancy (*The highest grades of Std'd vars.): Yellow and var	2.00 to 3.00	..... to .....
..... to	.50 to 1.00	Daisies	.75 to 1.50	..... to .....
..... to	..... to .15	Ferns, hardy	.10 to .20	..... to .....
..... to	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to 10.00	..... to	Gardenias, per doz	.50 to 1.50	..... to .....
4.00 to 5.00	..... to	Gladiolus	5.00 to 10.00	..... to .....
12.50 to 15.00	8.00 to 12.00	Lilies, Harrisii and Longi	6.00 to 10.00	..... to .....
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
..... to	1.00 to 2.00	Mignonette	1.00 to 2.00	..... to .....
..... to	..... to	Orchids—Cattleyas	50.00 to 60.00	..... to .....
..... to	..... to	Cypripediums	..... to	..... to .....
..... to	.30 to .50	Panalee, per doz. bunches	..... to	..... to .....
3.00 to 4.00	3.00 to 5.00	Peonies	3.00 to 4.00	..... to .....
..... to 2.00	..... to 1.50	Smilax, (per doz. strings)	1.50 to 3.00	1.25 to 1.50
.50 to .75	.50 to 1.00	Sweet Peas	.20 to .50	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15 00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $40.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

vase of Agapanthus umbellatus in his window this week and Water Lilies were also made a feature in his display.

John Barr of South Natick is still sending large batches of Hydrangeas to town for which he finds a ready market.

Morris Comley of Lexington has a crop of Bachelors' Buttons which are of fine color and the stock he disposes of at 2 Park st. is as good as any one would wish for.

Arthur Capers of Wellesley has as good Carnations as any coming to market at this time, and as there are a dozen men waiting for him each morning to get some of his fine stock, it doesn't take long to dispose of them at good prices. His Fair Maids and Winsors are worthy of special mention and his other varieties are very meritorious.

John MacFarland of North Easton ships daily 1000 Lily of the Valley of the very highest quality and has no trouble in getting remunerative prices for it. His Gardenias are the best in the market and are sold profitably. Gardenias is one of the best paying crops he grows.

W. H. Vose of Hyde Park is shipping some excellent Candytuft, Gypsophila elegans, and Salpiglossis.

Backer & Co. of Billerica are cutting some fine Carnations; they have 5000 plants of a new variety which will be heard from later.

Bouvardia Humboldtii is a capital thing and its thick waxy white flowers remind one of Stephanotis flowers. The Willow Hill Greenhouses of West Roxbury are sending some fine bunches to 1 Park st. Market.

The best Brunner Roses we have seen are coming from Elijah Wood of West Newton of which he has an excellent crop. As soon as Mr. Wood straightens out his business, after his sale on June 29, he is to make a trip to Chicago, where he is to have a look around and may settle down there if he finds a suitable location.

Robert Doherty of West Medway is shipping some good Fair Maids. Their color and the substance of the petals are exceptionally good for the end of June.

Galvin's store on Tremont st. has an excellent display of Water Lilies in a small pond in their window which is much admired by the street pedestrians. The flowers look cool and refreshing in this hot weather. The Water Lilies are all of the hardy kinds and are mostly Marliceа hybrids. Some of the most pleasing kinds are Nymphæa Marliacea chromatella, N. Marliacea rosea, N. Marliacea albida, Robinsoni and fulgens. The pond was backed up by a mound of Nephrolepis which made an excellent background.

Fine plants of Cocos Weddeliana were a feature in the other window of this store. They are the finest plants we have seen anywhere, and are part of the lot that came from Holland and was exhibited at the recent Orchid show.

Henry M. Robinson Co., report very good business for the month of June. They have just received a large shipment of Ferns and Galax which is of excellent quality for this time of year. They have also received a large consignment of fancy baskets and Cycas leaves, all of which arrived in the very best condition.

Charles Robinson conducted us through their large new warehouse, storage room and wire factory at 9 Chapman place, where we thoroughly enjoyed seeing the large stock of goods on hand; the wire workers were of special interest—how neatly and deftly they can handle their tools and the wire. The firm is especially busy in this department and cannot fill the orders as quickly as they would like.

Patrick Welch, who is a member of the Tariff and Legislative Committee of the S. A. F., is busy on his report and has done some excellent work investigating the cause of the enormous increase in price in recent years on greenhouse glass. When this report is published it will be very interesting to every man who is using glass.

Welch Bros. report good business for the month of June; much better than a year ago, and the stock of flowers which they received was far superior to former years owing to the cool weather in the early weeks of the month. They are handling a fine lot of outdoor Jack Roses, which are coming from Newport to them.

Coolidge Brothers of South Sudbury are now shipping their flowers to Welch Bros., instead of to the market.

Fred Matheson of Clematis Brook is still cutting some fine Roses of the following varieties: Richmond, Killarney, Bride and Bridesmaid.

Martin Sullivan, gdr. to William Whitman of Brookline, exhibited at the Mass. Horticultural Hall, Saturday, June 25, an exceptionally fine lot of seedling Delphiniums for which he was awarded the Society's silver medal and a generous gratuity. The exhibit filled almost the whole of the floor of the lecture hall.

CARNATIONS

In making up the June and Early Summer Campaign, several of our growers planned to have a better grade of Carnations than other years. Never have we at this time of the year received such magnificent blooms, Almost Winter Quality, and in such quantities, enabling us to fill orders of any size.

Special .....$3.00 per 100
Fancy ..... 2.00 per 100
First ..... 1.00 per 100



Carnation Specials

Carnations in lots of 500 or more, good quality, our selection, $1.50 per 100.

CANDIDUM LILIES

Just the thing for design or decorative work. $1.00 per dozen stalks.

PEONIES

Still have some choice Peonies to offer, mostly Whites and Pinks (the lighter shades), a few crimson too, $40.00 per thousand (1000).

RIBBONS

Some of our choicest novelties, exclusive patterns, an endless variety to choose from.

Supplies Of All Kinds

Catalogue on request

A price list of all cut flowers is issued every Saturday. If you are not on the list, let us have your name.

Open 7 a.m. to 6 p.m. Not open for business on Sundays.
Not responsible for flowers after delivery to the express company.
Closed all Day July 4th

PM QUALITY

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
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CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
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Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
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All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place, SAN FRANCISCO
Greenhouses, MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, June 28, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty			
36-inch stems..per doz.	....	to	3.00
30-inch steme.. "	....	to	2.50
24-inch stems.. "	....	to	2.00
20-inch stems.. "	....	to	1.50
18-inch steme.. "	....	to	1.25
12-inch stems.. "	....	to	1.00
8-in. stems and shorts "	....	to	.75
Killarney	4.00	to	6.00
" extra	....	to	10.00
White Killarney	....	to	8.00
Richmond	4.00	to	6.00
My Maryland	5.00	to	8.00
Bride, Maid, fancy special	4.00	to	6.00
" extra	4.00	to	5.00
" No. 1	....	to	2.00
" No. 2	....	to	1.50
Perle	4.00	to	5.00
Chatenay	3.00	to	5.00
Kaiserin	6.00	to	10.00
Uncle John	....	to	6.00
Mrs. Marshall Field	....	to	6.00
Adiantum	....	to	1.00
Asparagus, bunch	.35	to	.75
" Sprengeri	.35	to	.75
Calla Lily	10.00	to	12.00
Chrysanthemums, doz.	....	to	....
" fancy doz.	....	to	....
Corn Flowers	.75	to	1.00
Daisies	1.00	to	1.50

CARNATIONS			
Standard Varieties: White	1.00	to	1.50
Standard Varieties: Pink	1.00	to	1.50
Standard Varieties: Red	1.00	to	1.50
Standard Varieties: Yel. and Var.	....	to	....
*Fancy (*The highest grades of Sta'd varieties): White	2.00	to	2.50
*Fancy (*The highest grades of Sta'd varieties): Pink	2.00	to	2.50
*Fancy (*The highest grades of Sta'd varieties): Red	2.00	to	2.50
*Fancy (*The highest grades of Sta'd varieties): Yel. and Var.	....	to	....
Ferns, hardy, per 1000	....	to	3.00
Galax (green)	....	to	1.00
" (bronze)	....	to	1.00
Gardenias	20.00	to	30.00
Lilies, Harrisii and Longi.	10.00	to	12.00
Lily of the Valley	3.00	to	4.00
Mignonette	2.00	to	4.00
Narcissus—Paper White	....	to	....
Orchids—Cattleyas	50.00	to	60.00
" Cypripediums	15.00	to	20.00
Pansies	.25	to	.40
Peonies	4.00	to	8.00
Smilax	12.00	to	15.00
Sweet Peas	.50	to	1.50
	....	to	....
Violets, single	....	to	....
" double	....	to	....
	....	to	....
	....	to	....
	....	to	....
	....	to	....
	....	to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

The flower spikes were of exceptional size and the colors were very pleasing. The original plants from which the seed was collected came several years ago from Kelway of England. Mr. Sullivan has been collecting seed from the best which came from Europe, as well as from his own seedlings and, by careful selection, he has now a race of Delphiniums that is much superior to those which came from across the water and they have a better constitution to stand our climate. We noticed last year a pure white Delphinium amongst his seedlings which is a rather unusual color for Larkspur of this type.

Mr. Sullivan is an excellent grower of plants, both under glass and out of doors, and there is no exhibition in Boston but that he is in the front rank with his plants.

George Detlefsen, who has been with Fred Becker of Cambridge as his foreman for several years, is going to leave for Germany, his native country, for a well deserved holiday, on July 6. There is no harder working man in the business than George and he can grow and turn out as good plants as any man in the trade. This is the first visit to his home in Germany in twenty-nine years. He has two children, a son and daughter. His son graduated last year from Dartmouth College and is this year studying at Harvard for a degree. His daughter has graduated from Radcliffe College this year with honors in German. A working man like this, who has done so well for his family, is an honor to our profession.

David Welch of Welch Bros. sails on the Lusitania on June 29 for a trip to Ireland and is also to visit the Continent. We wish him much enjoyment in the land of the Shamrock and we hope he will return safely with a fresh supply of those stories from the Green Isle which he can relate so pleasingly.

The two principal events of the week were the the house opening at William H. Elliott's at Brighton, on Wednesday, June 29, and the celebration of the 80th birthday of Mrs. E. M. Gill of Medford, on June 28, our oldest florist in this vicinity.

Fred C. Becker of Cambridge has a house of L. lancifolium rubrum just coming into bloom. The plants are well grown and carry a large number of flowers. A bench of young plants of Cocos Weddeliana looked healthy and promising. He is still doing a large business in bedding plants and this line continues up to about July 20. His teams go daily to the North Shore to supply bedding plants to the Summer residents and he does a good business in that section.

The baseball team of the Flower Market at 1 Park st. went to Nahant by boat on Saturday June 25, to play the Roland team. The game was a lively one from start to finish. The Boston team played well and won; the score stood: Market men, 14; Roland team, 10.

W. H. Knapp of Newton is cutting the best Gypsophila coming to the market, and there is quite a demand for this light airy flower.

John K. L. M. Farquhar is away for two weeks; he has gone to Kentucky on a business trip. R. C.

Philadelphia

Just to prove that advertising pays, let it be noted that the Robert Craig Co., 4900 Market, are shipping their Begonia Lorraine and their Cyclamens in ten separate colors, including such varieties as Bush Hill Pioneer, a crested flower, and the Papilio types, to nearly all the States of the Union.

Duncan Macaw will go with the Robert Craig Co.'s exhibit to Rochester to the S. A. F. meeting. Mr. Macaw reports that he is trying, on his own place at Norwood, his white sport of Winsor, both in and outdoors. This is a promising sport with a bloom more than 3 in. diameter. Robert Craig, Sr., is passing a few days at Waretown, N. J.

Among the recent visitors in town were Daniel E. Gorman, Williamsport, Pa.; Fred Munz, Easton, Pa.; Mrs. M. F. Fleming, Ocean Heights, N. J.

Walter Yates, of the Thaddeus Yates Co., Mt. Airy, Pa., sailed for Europe this week. He will combine business with pleasure.

W. W. Crawford, who established a new florist store in October, 1910, at 5210 Market st., will make extensive improvements in his large conservatory attached to store this Summer. Among other things he will concrete the floor, and divide the conservatory into two parts so as to carry both those plants needing low and high temperature, and furthermore will enlarge the conservatory. He reports that business has been very good. Recently he has had several large funeral orders, and manages to keep busy all the time with seasonable work. This week Mr. Crawford married Miss A. C. Fulmer, of this city, a granddaughter of Mayor Michael Fulmer, of good old Revolutionary stock. It was a quiet home wedding on account of a recent death in the family. Mr. and Mrs. Crawford are taking a trip through New York State, and will then go to Atlantic City. After Oct. 1 they will be at home at 704 South 52d st.

B. Stahl, 11th st. above Chestnut, reports decorations for five weddings on Wednesday this week; besides these he has had this week the decorations for a church and house wedding in New Jersey, and a lawn wedding at Ambler, Pa. June business has been quite satisfactory.

The S. S. Pennock-Meehan Co. are just now receiving some nice Candidum Lilies, and some elegant Water Lilies in different colors.

S. S. Pennock has gone to Westerly, R. I., with his family, where the latter will remain for the Summer.

Charles Meehan will take his family to Ocean City, N. J., for the Summer; Mr. Meehan will commute between that city and Philadelphia.

J. Liddon Pennock has been on an auto trip accompanied by his family and nephew, a son of S. S. Pennock, to Baltimore, Washington and Virginia. Mr. Pennock reports a pleasant trip, but that on some parts of his route he had to run over very rough roads; his chauffeur was in charge of the machine.

At the meeting of the Horticultural Society Tuesday night the usual routine business was transacted; it was voted to hold the Sweet Pea exhibition on Thursday, June 30.

On account of its nearness to the fourth of July holiday it was thought there might be only a small number in attendance at the meeting of the Florists' Club on the evening of July 5. Therefore, it has been decided to postpone the meeting till Tuesday evening, July 12, when W. A. Mauda of South Orange, N. J., will read an essay on the subject, "Should We Consider Our Calling a Trade or a Profession?"

Bowling is going on every Monday and Thursday night at Horticultural Hall in preparation for the selection of the team to represent the Club at the meeting of the S. A. F. at Rochester.

A. B. Cartledge of Pennock Bros., recently attended the races at Poughkeepsie in his boat Marguerite II.

Eugene Bernheimer, the wholesale commission florist, moved with his family last week to North Wales, Pa., to spend the Summer. Mr. Bernheimer is secretary of the "Florex Gardens" at North Wales, D. Fuerstenberg being president and H. C. Geiger, treasurer. This company has about 250,000 ft. of glass. There are grown at the "Florex Gardens" 45,000 plants of American Beauty Roses. One house has already been planted to Carnations. In their new house, 172x700 ft., erected by the King Construction Co. last year, they are growing Tomatoes at present, and are shipping a ton a day to Boston, New York and Philadelphia. They have been trying in their houses both benches and solid beds, and are dropping all their benches to solid beds this season.

The cigar that made George Watson famous was the one which was officially used at the N. Y. Florists' Club outing, June 28.

Chicago

The main feature in the flower business at the present time is the scarcity of good shipping Roses. The heaviest demand for any particular kind is for Kaiserin, as the hot weather has practically put Bride out of commission, and white Killarney can scarcely be classed as a good white, for as usual at this time of year it has the deep blush tinge. Saturday is said by many to have been the best cleaning up day the market has experienced for some time; in fact, business is holding up remarkably well for the end of June, far better than in previous years. Stock in all lines is decreasing rapidly, consequently prices are advancing slightly.

The wholesalers and florists in the downtown district were shocked to learn of the death of George R. Wheeldon, an old flower vender, who was killed on Saturday night last by a car, at Harrison st. and Wabash ave., death resulting almost instantly. "Old John the flower man," as he was called, was a peculiar character and for two years had been a lodger at the Illinois Hotel. All that was known of him there was his name. He was of such a reticent nature that he never even divulged the fact that he sold flowers for a livelihood. On account of his aversion to talk to any one there he was nicknamed the "silent lodger." Wheeldon was a native of England, and with two brothers came to America forty years ago. He was married, and had two sons, one of whom, Walter, is supposed to reside in Buffalo, N. Y. The other son, George, was killed in a railroad wreck in Texas some years ago.

One of the most pleasiug features of the amateur horse show held Friday, June 24, at the South Shore Country Club was the setting of flowers for the occasion. The floral decorations were superb.

Samuel Murray of Kansas City, Mo., spent several days in town, purchasing fixtures and accessories for his new store which he expects to open shortly in a central part of the city. Mr. Murray says he can get connections with the cold storage house of Kansas City and will utilize that method for keeping his flowers cool.

Jerry Jorgensen, of L. S. Donaldson Co., Minneapolis, spent the latter part of last and the first of this week in town. He is advance agent for the big flower show, to be held in Minneapolis next Fall.

Ernst Wienhoeber expects, about

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.
AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100
GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $2.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.
Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.
Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.
Cash with order.

WM. J. CHINNICK, Trenton, N. J.
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Marie Louise Violet Cuttings

Fine healthy stock, out of soil, $12.00 per 1000.
Cash with order.

JOHN COOMBS, West Hartford, Conn.
Please mention the Exchange when writing.

Smilax Plants

Strong plants from 2 inch pots, $1.00 per 100; $9.00 per 1000.

R. KILBOURN, Clinton, N. Y.
Please mention the Exchange when writing.

LOOK!

SALVIAS, fine 3½-in., 2c., $15.00 per 1000. COLEUS, Yellow, Red and Mixed, strong, 2-in., 1c. GERANIUMS, Buchner, Nutt, Grant, etc., extra strong, also LEMON VERBENAS, heavy 3½-in., fine for stock, 3c. $25.00 per 1000. Dreer's S. F. PETUNIAS, fine, 3-in., 2c. Gov. Herrick VIOLETS, strong plants, 2c., $15.00 per 1000. Cash.

WM. S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

SEASONABLE PLANTS

DRACAENA Indivisa, 4-in. 10c., 3-in. 5c., 5-in. 20c.
CANNAS, 3-in., Egandale, Harum and Marlborough, 3c.
SALVIA, 3-in. 3c., 4-in. 5c.
VINCAS, 4-in. 8c., 5-in. 12c.
ENGLISH IVY, R. C., Green or Variegated, 75c. per 100.
ASPARAGUS Sprengeri, 2-in., $1.75 per 100.
SMALL MIXED FERNS, 2-in. 2c.

J. H. DANN & SON
Westfield, N. Y.
Please mention the Exchange when writing.

Last Call for Bedding Plants

	100
CUPHEA, 2¼-in. pots	$2.00
GERANIUMS, Mixed, 3-in. pots	3.00
CANNAS, Austria and Henderson, 3-in. pots	3.00
CHRYSANTHEMUMS, Lulu, Klondike, Bailey, Yellow Eaton, Ivory, White Eaton, 2¼-in. pots	2.00

Vegetable Plants

CABBAGE, Wakefield, Danish and Surehead. Per 100 25c., 1000 $2.00.

J. S. BLOOM, Riegelsville, Pa.
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

WANTED

Plants or Rooted Cuttings of

DWARF STEVIA

When writing state size and price per hundred.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100.
DRACÆNA Indivisa, 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.
Please mention the Exchange when writing.

SEASONABLE PLANTS

JERUSALEM CHERRIES, 2-in., $1.50 per 100.
COLEUS, 2-in., $1.50 per 100.
DUSTY MILLER, 2-in., $1.50 per 100.
FEVERFEW, 2-in., $1.50 per 100.
CUPHEA, 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100: Cuphea, 75c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 50c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.
HELIOTROPE, 2-in., $1.50 per 100.
MAURANDYA and THUNBERGIA, 2-in., $1.50 per 100.
ZINNIA, Fireball, 2-in., $1.25 per 100.
MARIGOLD, El Dorado, 2-in., $1.25 per 100.
Cash with order.

BYER BROS., Chambersburg, Pa.
Please mention the Exchange when writing.

A1 STOCK ASTERS, best varieties, transplanted, $3.00 per 1000; DRACAENA Indivisa, 4 inch, $15.00 per 100; IVY GERANIUMS Mixed 2½ and 3 inch, $2.50 and $5.00 per 100; GERANIUMS, S. A. Nutt and Standard Varieties, 4 inch $8.00 per 100; ASPARAGUS SPRENGERI 4½ inch, $8.00 per 100; GERMAN IVY, 3 inch $6.00 per 100; COLEUS, Golden Bedder and Verschaffeltii 2 inch $2.00 per 100; CANNAS from flats, Commercial Varieties $4.00 per 100; VERBENAS, 2½ inch, $2.50 per 100.

F. C. RIEBE, Webster, Mass.
Please mention the Exchange when writing.

Seasonable Plants

SMILAX, from 2¼-in., $2.00 per 100, $18.00 per 1000.
ASPARAGUS plumosus nanus, 3-in., $6.00 per 100.
CHRYSANTHEMUM, Polly Rose, 2¼-in., $2.00 per 100. Cash with order.

C. A. PETERSON, Madison, N. J.
Please mention the Exchange when writing.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS
LOCK BOX 254 **Southport, Conn.**
Please mention the Exchange when writing.

CLEARANCE SALE

ASPARAGUS Sprengeri, 3-in. pots, $4.00 per 100.
CABBAGE PLANTS, Early and Late, $1.00 per 1000.
CAULIFLOWER PLANTS, 30c. per 100, $2.50 per 1000.
EGG PLANTS, strong, from pots, $2.00 per 100. Cash with Order.

S. G. BENJAMIN, FishKill, N. Y.
Please mention the Exchange when writing.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

July 1, to start building an addition to his establishment, making many improvements. He will also erect a new work shop.

Catherine Holmes, who has been associated with Vaughan's Seed Store for a number of years, is seriously ill at St. Luke's Hospital.

Frank McCabe, of the A. L. Randall Co.'s force, leaves next Saturday for a two weeks' vacation, which he will spend with his mother at Mt. Sterling, Ill. Harry Johnson of the same house will accompany him.

According to a communication from O. P. Bassett, from Paris, he expected to leave that city on Saturday last on an auto tour through Switzerland.

Joseph Weis, who was formerly in the employ of the J. A. Budlong Co., but for some time past has been with Peter Reinberg, has returned to the former house.

The Bohannon Floral Co. had the wedding decorations for the Congdon-Balmer wedding on Thursday, June 23, at Evanston. The entire decoration was executed in greens and white flowers.

The A. L. Randall Co. has issued a circular, as large as a daily paper, announcing a pre-inventory sale in July of florists' supplies, and a special free introductory offer of a trial package of Evergreen Brand Fertilizer large enough to cover fifty square feet, on presentation of a coupon.

Winterson's Seed Store is handling a fine line of Boston Ferns in 6-in. pots, which move rapidly.

The J. B. Deamud Co. are receiving excellent shipments of Crimson Baby Rambler Roses, which are receiving marked attention from the florists for use in special decorative work.

Bassett & Washburn are cutting some extra fine blooms of Kaiserin Roses, with stems 4 ft. in length, from plants 6 years old.

Vaughan & Sperry are receiving some extra fine Peonies from northern Michigan that are far superior in quality to any locally grown. The price on Peonies has advanced, and good flowers are meeting with ready sales.

Chas. McKellar has enjoyed a three days' auto tour to Delevan Lake, Wis., leaving Chicago on Saturday and returning Monday night. The latest on the list with a new auto is Frank Oechslin, who has one of 30 h. p., which he purchased last week.

H. A. Fischer of Kalamazoo, Mich., was in town several days purchasing supplies for his Fall trade.

Joe Einweck, of Bassett & Washburn, and his brother Tony, who is with E. H. Hunt, leave on Saturday for a two weeks' vacation, which they will spend in Iowa.

Just a reminder of the dinner to be given by the Chicago Florist Club, on Thursday evening, July 7, at the Union Restaurant.

On account of the excessive heat, the bowling club has postponed its games for a week or two.

For the Lake Forest Horse Show floral parade to be held on Friday and Saturday, July 1-2, many of our Chicago florists have orders for decorative work. Geo. Wittbold Co., C. A. Samuelson, and the Bohannon Floral Co., each have the floral arrangement of two or more vehicles.

One of the most elaborate affairs in the shape of a lawn party was the one given last week at the residence of M. Rosenwald, 49th st. and Ellis ave. Rustic arbors were erected, and covered with trailing vines, interspersed with electric lights. Beneath the arbors were placed 30 tables, on which refreshments were served, each table decorated with flowers, mostly Peonies, Iris and Gaillardias. The surrounding grounds were also decorated with flowers in vases and jars, and with innumerable lights made a most effective spectacle.

Mr. and Mrs. J. C. Vaughan celebrated their 33d wedding anniversary on June 28.

John Then, son of Anton Then, the well known grower, was married to Miss Olga Johanna of Chicago, on June 27.

Mayme, daughter of N. K. Welter, of Evanston, wholesale grower and retailer, was married to John Remick at St. Nicholas church, Evanston, on June 29.

Mrs. T. C. Yarnall and family have gone to Eagle Lake, Mich., expecting to remain several weeks.

Carnations were distributed in the different wards at the Cook County Hospital on Sunday, June 26, by the Lake View High School Alumni, following a banquet on Saturday evening.

Visitors: Otto Benthey, New Castle, Ind.; J. B. Oberton, Kenosha, Wis.; J. Armstrong, Honor, Mich.

GERANIUMS

Ricard, Poitevine, S. A. Nutt and Viaud, 2-in., $2.00 per 100, $15.00 per 1000.
Rooted Cuttings: Ricard, S. A. Nutt, Poitevine and Buchner, fine stock, $10.00 per 1000.
Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.
Please mention the Exchange when writing.

Geraniums

Nice, stocky, 3-in. stock, of the following varieties: Nutt, Ricard, Grant and Doyle, $2.50 per 100, $25.00 per 1000; all in bloom, nice stock plants.

F. SCHELL & CO., Florists LANCASTER, PA.
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GERANIUMS

Rooted Cuttings.
Ricard, Poitevine, S. A. Nutt. Orders booked for delivery on or before Oct. 15 at $10.00 per 1000.

SMILAX and SPRENGERI

Let me send you a sample. Smilax are extra fine stock, Sprengeri good but not large. Smilax, $12.50 per 1000. Sprengeri, $15.00 per 1000.

HARDY PHLOX

Rooted cuttings in good assortment, mixed, at $1.25 per 100, free by mail, ready now.

GERMAN IRIS

Good assortment in mixture, ready in August at $2.00 per 100.

ALBERT M. HERR
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GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $35.00 per 1000.
Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.
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GERANIUMS 3-in. stock, in bloom, nice bushy plants, not large, Ricard, Poitevine, Castellane, Doyle, $3.00 per 100, $28.00 per 1000; 2-in. strong, Nutt, Ricard, Poitevine, $15.00 per 1000, $1.75 per 100.
COLEUS, Verschaffeltii, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.
Please mention the Exchange when writing.

GERANIUMS

10,000 GERANIUMS, 3¼-in. pots, fine stock in bud and bloom, Poitevine, Ricard, Nutt, Buchner, and Other Varieties, at $35.00 per 1000.
BEGONIA Vernon, 3½-in. pots, $25.00 per 1000. Cash with Order.

JOHN GILKINSON & SONS, Hollis, (L. I.) N. Y.
Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Presailly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

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Bedding Plants

GERANIUMS

S. A. Nutt, Beaute Poitevine, and A. Ricard, 3½-in., $5.00 per 100.

HELIOTROPE and ROSE GERANIUMS, 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.
FUCHSIAS, 4-in., $7.00 per 100.
Mme. Sallerol Geraniums, 3-in., $4.00 per 100.

COLEUS, Verschaffeltii, $15.00 per 1000.
CANNAS, Souv. de Ant. Crozy and Duke of Marlborough, 4-in., $5.00 per 100.

Zinnias, Ageratum, Sweet Alyssum, Heliotrope, Begonia Vernon, 2¼-in., $2.00 per 100.

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Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4.51	48 10 " "	4.80
1500 2½ " "	6.00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5.00	144 6 " "	3.16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

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The Best BUG KILLER AND BLOOM SAVER

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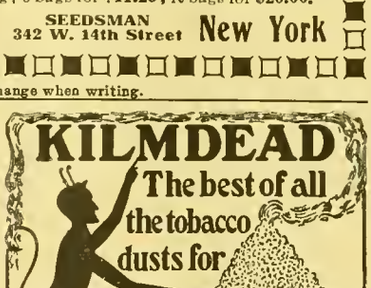

25 lbs. $1.00	100 lbs. $ 3.00	1000 lbs. $27.00	
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.00	

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RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Shredded or Pulverized



Pure—dry—uniform and reliable The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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TOBACCO STEMS, 50c. 100 lbs.

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The Week's Work

BY

FRITZ BAHR

Planning for Next Winter

Proper Time Now to Do This Important Work

If you are a retail grower, you have most likely made plans already as to what to grow for next Winter, for there is nothing really of more importance. The successful grower plans ahead and executes his plans whenever possible. There are times when, through no fault of our own, we fail with a certain crop and are obliged to get some substitute, and lucky the man who can, in time, detect such trouble and make up his mind to throw out a thing that is no good, for he is money ahead. Some of us have that "hang-on" disease. We watch and nurse some stunted good-for-nothing bench of plants, hoping that it may come out yet all right, and it usually does—to the compost heap. If I might offer a suggestion to the beginner in regard to making his plans for the next season, I would say, do not try to overdo things. The most successful men are those who have found out by experience, for which they, in most cases, paid well, that they could do certain things better than others, and on that account they, little by little, dropped certain lines and paid more and more attention to others, with the result that they achieved success, and what they bring to the market is away ahead in quality of that the average grower has to offer—the one who handles a little of everything and pays only a little attention to each. I realize that the retail grower has to handle quite a variety of stock in order to meet the demands of his customers, and the more varied the assortment of plants he has to handle, the more is asked of the man who does the growing of the stock, and the greater his experience must be if he wants to be successful, and the more time it takes for him to do the work.

Some Things the Retail Grower Should Grow Himself

It might seem strange to some that I should start out with "green goods," but only the man who has kept track of what he expends during one year for greens, mostly used to go with a box of flowers, can realize fully what an item of expense this is. I say every man who has room for the growing of cut flowers should grow a good supply of such stock as Asparagus Sprengeri, A. plumosus, Smilax and, if possible, Adiantum. Remember, there are times in the markets of every city when, while you may buy Roses and Carnations at reasonable prices, greens are at a premium. That is the time to use your own, and if at any time you can buy cheaper than you can grow your own, buy. Carnations and Chrysanthemums? Yes. You can do either well, even on a small scale. For the Carnations, use the best houses you have got, they need all the sun and light during the Winter months if you expect them to grow into money. Sweet Peas, Snapdragons, Stocks, Pansies and Lilies all form excellent material to follow Chrysanthemums, or take the place of Carnations if any of them fail to do well. Poinsettias, if you can keep the house they are in at 60° and over next November, are another standby, for every florist. Bulb stock for cutting, such as Tulips and Narcissi are of great importance to most of us; arrange to have a supply on hand, they can be grown in most any house and always find a buyer. Marguerites should be included; with but little care and heat they furnish quantities of useful flowers for months. And so does Mignonette; it can be grown in the house in which you have your Princess of Wales Violets, the kind we grow when we can't do Marie Louise. There is a long, long list of other "good things" one can grow for cut flowers, but the above are among the head liners for the average florist. Do not overlook a few Forget-me-nots, Sweet Alyssum and Candytuft. Now is the time to select what to grow and order young stock of any that you are short of.

A Few of the Things the Small Grower Should Consider Well Before Handling

It is only fair to mention at least a few of the things the smaller retail grower had better let the other man grow. Among them I might mention Roses. If you have to handle five or six different varieties of Roses, as most of us do, in order to meet our customers tastes, and have, perhaps, only one or two small houses, to grow them in, don't do it, for you can't grow them as well nor as cheaply as the man who has hundreds of thousands of square feet of glass devoted to them. Let him do it! Roses ship, when properly packed, almost any distance. Devote more space

Sheep's Head Brand Pulverized Sheep Manure



The Ideal Plant Food For Florists.

Write today for Prices and Booklet.

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Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

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Twin-Section Boilers Pipe, Fittings, Valves

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WE INVITE COMPARISON

OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

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Strokum Stops Caterpillars

BIND it around your trees. Stop the third crop of caterpillars from crawling up. It is the most destructive crop of all.

Caterpillars or tussock moths cannot crawl under and won't crawl over Strokum. The only banding substance that does the work and lasts an entire season. It is not unsightly. Guaranteed not to harm the trees. Anyone can put it on.

Send $1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter.

Send for our illustrated booklet.



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FOR PAINT, USE

"Hammond's Greenhouse White"

"SLUG-SHOT" Kills Bugs on Asters

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to Carnations and you will be money ahead. I would say the same of Marie Louise Violets; if you are not successful with them, drop them quickly. Easter Lilies, if you only grow a few of them, it hardly pays to bother with; it is by far easier to grow a house of 3000 of them than a batch of 125. Lily of the Valley is a paying flower when you can force a certain quantity to meet a steady demand at all times, otherwise it is cheaper to buy your wants from May 1 up to Christmas; after that date you can use a fair amount of them every week and it pays to grow your own supply. Keep a few Orchids for cut flowers, it pays to have at least a few plants on display, no matter how homely they may look they will attract attention. Any of the above, while grown to a great extent by many of our largest growers, are hardly ever found to be paying propositions for the small grower. They, and many others, only pay when treated as specialties, and proper facilities are required for them in order to be successful.

Lilies for Next Fall

Potting the Cold Storage Bulbs.

If you intend trying your luck with cold storage longiflorum Lilies for next October, November and December, the beginning of July is about the proper time to get busy with getting the bulbs into the pots. According to the size bulb you make use of, a 5 in. to 6 in. pot will be necessary. Provide, as one always should with any bulbs to be potted, proper drainage, for while the bulbs are all moisture loving, their roots will soon show the effects if kept too wet. This means a set back and bad results are bound to follow later on. It is bad enough when a Lily, the bulb of which has never been in cold storage, gets checked in its growth. Good treatment, however, is liable to overcome the trouble, but not so with what you are planting now. The least check in any way will render the plants useless—this at least has been my experience. The fact of having kept the bulbs for months retarded from growing should teach us to start them into growth slowly, the slower the better. Use a cold frame, give the pots a good thorough soaking and cover them with a layer of straw or other material and then put boards or shutters over the frame to keep them dark and prevent the heat from entering. That is about all they will require for the present, with the exception of examining the pots often and thoroughly to ascertain whether the bulbs are in need of water, for a severe drying out doesn't do them one bit of good.

House Cleaning

Very Important at this Season.

I might mention that it is as necessary to go over the house the plants are to go into and give it a thorough cleaning as it is to clean the Palms themselves, for to do the one and not the other would mean useless work. There isn't a greenhouse the florist makes use of that should not have at least one thorough cleaning out in a year. It matters little how careful the men might be in keeping things neat during the months Roses, Carnations or any other crops occupy the houses, there is bound to accumulate a certain amount of dirt about the place which, if not removed, every particle of it, occasionally will help insects and fungus to lodge and multiply, awaiting an opportune moment to attack the plants in the house. So, when cleaning up a house, the pile of soil you see lying under the bench isn't half as bad as the dirt in the corners and between the cracks of the benches, hardly visible to the eye; and the house in which Palms or Ferns are kept all the year around is far more in need of a scrubbing than the Carnation or Violet houses, both of which have a chance to dry out, usually a few days at least, whereas a Palm house has not. Snails, scale, and fungus of every description, thrive here better than anywhere else. Get rid of them, or, what is better, avoid them to a great extent by keeping the houses clean. Get the dirt from underneath the benches. Use as much whitewash, the fresh red hot stuff, below the benches as you do on top. Don't put cleaning off for any reason, the present is the time to do it. There is absolutely nothing to look forward to in two months from now but work—more than we can attend to properly, perhaps.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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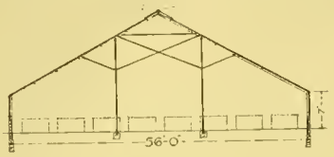
JUST PUBLISHED

Circular "C," which is a brief, common sense talk to common sense men, about Wide Houses and the safe way of supporting their roofs. It explains the difference between a *tension* and a *compression truss.*

Although this Circular "C" shows a section of a house 56 feet wide, still it is very easy to increase it in width by this method of construction, without in any way weakening the structure. For instance, by adding one more column, the house could be increased to 72 feet in width.

Right now there is so much discussion about the practicability and safety of these extra wide houses, that Circular "C" is just the thing you want. Drop us a postal for it.



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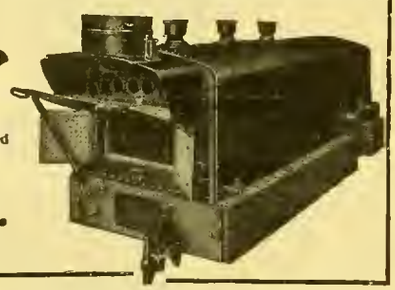

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Detroit

With the florists hereabouts it has been hustle early and late to satisfy the many calls for commencement and wedding bouquets. While we had none of those big sensational affairs one delights to picture and write about, there was a large quantity of medium priced work which gave everybody a chance to make a good profit.

The extraordinary hot spell of last week has put cut flowers several notches down in the quality line, but nothing is lacking in quantity. In fact, there is so much that even fakirs are cropping up like Mushrooms, offering Carnations at 19c. and 25c. per dozen and Roses at 35c. and 50c.

Congratulations are in order and are most generally being tendered to Walter Taepke, who took a life partner last Thursday.

Chas. Plumb has left for a short European trip, to see some growers in England, Germany, Belgium and Holland. He expected to reach New York in time to join the New York Club at its annual outing. FRANK DANZER.

St. Louis

August Eggert, the East Side florist, lost his sister last week; the young lady had been only a short time in this country; death came suddenly as she was sick but a short time. The funeral took place on Sunday, June 26.

Robert Grehe, florist of St. Louis County, lost his wife last week after a short illness. The funeral took place Sunday, June 26, with a great many of his neighbor florists in attendance.

Ernest Hunchel of Webster Grove is making a Summer trip to his old home in Germany; he left on Saturday, June 25. His many friends in the trade wish him a pleasant time and a safe return home.

Messrs. Windler, Smith, Guy and DeWever, of the Bulletin Committee, held a meeting in Edwardsville, Ill., on Thursday of last week at J. F. Ammann's place. The full report of this meeting will be placed before the next Club meeting for a final vote. Everyone who visits Edwardsville and Ammann's place knows what a good time is in store for them, and they said they had it after the meeting in Fred's big automobile.

J. H. Dayton of Storrs & Harrison Co., Painesville, O., and Thos. Meehan of Thos. Meehan & Sons, Philadelphia, spent a day in the city on their return from the Denver convention. They were chaperoned by Frank A. Weber during their stay. Mr. Weber reports that he has been re-appointed chairman of the Entertainment Committee by President Stark and J. W. Schuette of this city was appointed chairman of the Committee on Exhibits for the 1911 convention which will be held in this city.

Frank Fillmore, J. J. Beneke and Walter Pilcher have been appointed as Reception Committee for the Florists' picnic; this is their third year on this committee.

Carl Beyer reports that he will attend the S. A. F. convention at Rochester and will take Mrs. Beyer with him. His firm will change the front of their show house this Summer.

Sweet Peas are so plentiful in the wholesale district that only about one-half of them are sold. The greater part of them are consigned by the Kirkwood florists, nearly all of whom are adding a house or two this Summer; they must have had good returns for their stock the last season.

The trustees of the Florists' Club are at work on the official program for the picnic. They say they have plenty of prizes for the young folks to compete for and some for the old ones, and expect a large crowd of florists and their friends on July 21 at Ramonia Park.

President Windler and Secretary Beneke say that the next meeting of the Florists' Club, which takes place on Thursday afternoon, July 14, will be the most important of the year. The program is the nomination of officers, the final vote on the bulletin and a paper by Luther Armstrong. ST. PATRICK.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.

SASH, BARS, in all lengths up to 32 feet.

HOT BED SASH a specialty.

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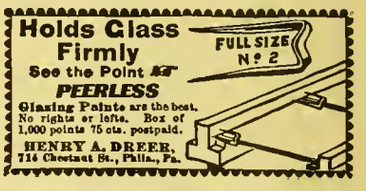

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Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

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QUAKER CITY MACHINE CO.
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SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Chilwell Nurseries, - Lowdham, Notts.

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THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE. NEW YORK

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REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

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Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Please mention the Exchange when writing.

Indianapolis

S. S. Skidelsky stopped here after enjoying a long vacation in Colorado.

Tomlinson Hall Market reports a brisk business. There is little left that is really first-class after the shopmen do their buying.

J. S. Stuart, Herman Junge, Homer Wiegand and A. F. J. Baur have been selected as a committee to look after the Flower Show this Fall.

Bertermann Bros.' Co. are making many alterations at their E. Washington st. plant.

The Newcastle line has opened to this city and will give the shopmen an excellent opportunity to obtain their celebrated flowers at almost any hour in the day.

John Rieman is enjoying his Summer camp at Broad Ripple. I. B.

Pittsburgh

Second rate stock still continues to be a glut; short stemmed Roses are coming in in immense quantities. Kaiserin Roses are very good. Coreopsis, Delphiniums and Phlox are to be seen in plenty, but the demand is weak. Bedding plants are moving nicely.

A party of twenty-five accepted the invitation of the Elliott Nursery Co. to pay a visit to their grounds at Cheswick, Pa. The party left Pittsburgh over the Allegheny Valley Electric Line, which affords a beautiful and interesting ride along the banks of the Allegheny River. At Cheswick they were met by the Elliotts and, after refreshments were served, an inspection of the nurseries followed. The grounds cover an area of fifty acres. Everything grown thereon is in splendid shape and many plants and shrubs of interest are here in exceptionally fine varieties. After completing a tour of the nurseries the party returned to the home of Mr. W. Elliott for a chat and refreshments. At 4.30 the return home was started.

Visitors: A. Langhans of Wheeling, W. Va.; I. Rosnosky of Henry Michell Co., Philadelphia, Pa. D. W. L.

Cincinnati

The general report for last week shows no improvement over the previous. Much stock arrived with not much doing; weather was extremely hot, and impossible to keep the ice-box cool enough to hold the flowers, consequently the hospitals and garbage wagon were again our best customers.

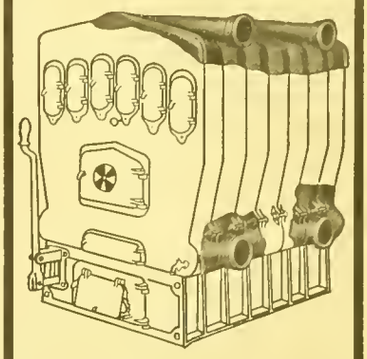
The funeral of Mr. Reinhearson, general passenger agent of the Southern Railroad, who was buried at Hamilton, Ohio, was the cause of many flowers being used. Julius Baer had the largest order, sending Tom Fitz-Morris and Harry Baer, to Hamilton with one-half of a baggage car of flowers; all the florists had orders for this funeral, Lodder & Gray of Hamilton, having the principal work for that city.

The coming week will wind up the weddings.

S. S. Skidelsky, was in the city during the past week. Mr. Weiland, father-in-law of Mr. P. Olinger was here also.

One of the important news items of the week, was the arrival upon the scene, at West Palm Beach, Fla., June 24, at 3.30 a.m. of Mr. James Clarence Ohmer, Jr., son of Mr. and Mrs. J. C. Ohmer; congratulations of the craft are extended to both parents

E. G. GILLETT.



The Burnham

The 18 and 30 inch grate Burnham is also made in a broad, low design with socket openings, for low flow pipe connections.

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

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Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St.,
CHICAGO.

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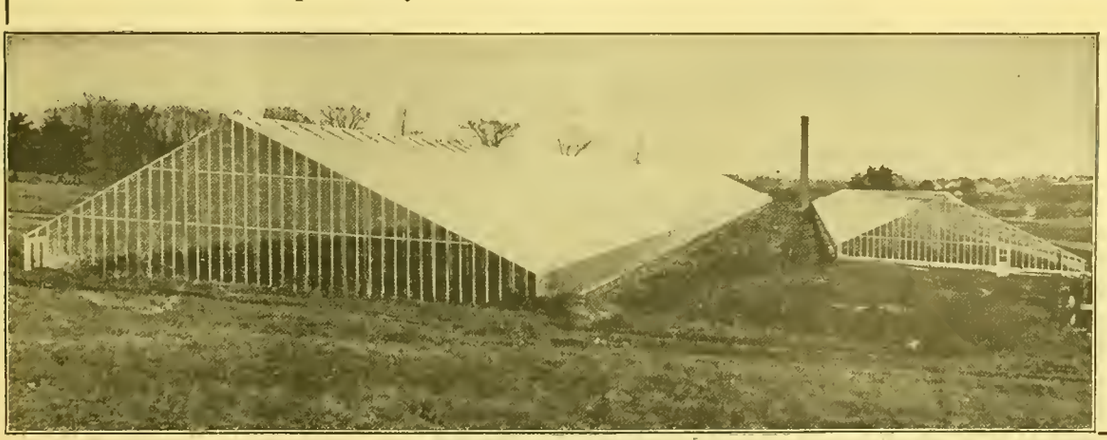
We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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KING IRON FRAME GREENHOUSES

"Ask the Man Who Has One"

Mr. E. W. Fengar, who has three King Iron Frame Houses, each 28x150 feet, writes as follows:—

1 Broadway, New York City, Oct. 11, '09.

Dear Sirs: I have intended for some time to write to you in regard to the King Houses I have put up. Everyone who has seen them has pronounced them fine, and I have had growers from all around us looking at them. I really have three fine houses, the best in my section. I am more than pleased with them, and the treatment I have received from you, and would be pleased to have you take a look at the houses the first time you are in my neighborhood. I may want to add some houses in the Spring, and if I do, I will let you hear from me. With best regards,

Yours, (Signed) E. W. FENGAR.

Mr. Fengar has recently placed with us an order for a new King House, 54 feet wide, and 182 feet long.

Send for Bulletin No. 35 which describes the King Iron Frame Construction

KING CONSTRUCTION CO., North Tonawanda, N. Y.

Please mention the Exchange when writing.



A SUGGESTION

Suppose you should want your greenhouse located where it will be rather prominent, necessitating its being ornamental—you couldn't do better than build one of our Curvilinear houses something like this one.

There is an undeniable beauty and attractiveness in the long sweeping curve of the roof lines, and you well know they are splendid growing houses.

As for the endurance of the Sectional Iron Frame Construction—those erected about thirty years ago are in condition to prove that the life of the Iron Frame will cover several generations.

By the way, have you the 1910 Edition of our Handy Hand Book of Greenhouse Materials? Shan't we send you one?

LORD AND BURNHAM CO.

IRVINGTON, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery

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The Most Important Thing

About any statement in an advertisement is the truth or falsity of it. Some of the firms advertising their product are not over scrupulous as to keeping their claims within the bounds of truth, and as a consequence the goods they sell offset the value of their advertising. This hinders the progress of their business. Let us say here that we are ready to stand back of every statement we have ever made in any advertisement, and that we will guarantee our material to be all we claim it to be. You should investigate our material and get an estimate today on your needs.

Send for our Catalogs:
No. 4 Greenhouse Materials
No. 5 Boilers
No. 6 Pipe and Fittings

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
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The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

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CONCRETE BENCHES

CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

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Demand is Surely Increasing — Supply is Surely Decreasing

BUY NOW. For best possible prices write

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Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

260-274 Culver Ave., JERSEY CITY, N. J.

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For **Greenhouses, Graperies, Hot Beds, Conservatories,** and all other purposes. Get our figures before buying. Estimates freely given.

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N. COWEN'S SON,
14 & 16 Wooster Street, New York

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,
10 Desbrosses St., New York

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Schedule of National Sweet Pea Society's Show, Opening in New York, July 12

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 2 — NEW YORK AND CHICAGO, JULY 9, 1910 — One Dollar Per Year

Amherst MASS

NEPHROLEPIS

Bostoniensis. We have a splendid lot of large specimen plants in 12-in. pots, at from **$5.00** to **$7.50** each; 6-in. at **50c.** each.

Elegantissima Improved. The finest of this type, never reverting to the Boston type. Fine plants, 2¼-in. pots, **$10.00** per 100; 4-in., **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

Superbissima. Extra heavy plants, 4-in. pots, **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

BEDDING STOCK

	Per 100
ABUTILON Savitzi, 2¼-in. pots	$4.00
ACALYPHA Musaica, 2¼-in. pots	6.00
AGERATUM, three sorts, 2¼-in. pots	3.00
ALTERNANTHERAS, three sorts, 2¼-in. pots	3.00
ALYSSUM, SWEET, 2¼-in. pots	3.00
ASTERS, assorted, 2¼-in. pots	3.00
CANNAS, finest sorts—**Beante de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier,** and **Florence Vaughan,** strong plants, 3½-in. pots	6.00
COBEA Scandens, 2¼-in. pots	4.00
COLEUS, Golden Bedder, Verschaffeltii and asorted, 2¼-in. pots	3.00
CROTONS, assorted, 3½-in. pots	25.00
GERANIUMS, Dbl. assorted and Rose, 3½-in. pots	8.00
GERANIUMS, Mme. Sallerol, 2¼-in. pots	5.00
HELIOTROPE, 2¼-in. pots	3.00
MOONFLOWER, 2¼-in. pots	4.00
NASTURTIUMS, assorted, fine, 3-in. pots	4.00
PETUNIAS, 2¼-in. pots	4.00
SALVIA Splendens, 2¼-in. pots	3.00
VINCA variegata, 3½-in. pots	8.00
HYDRANGEA Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, **$1.50** per dozen.	
EGG PLANTS, New York Improved	4.00

F. R. PIERSON CO.

Tarrytown-on-Hudson — **NEW YORK**

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BEGONIA GLOIRE DE LORRAINE

2¼-inch pots, $15.00 per 100, $140.00 per 1000.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25.00 per 100.

POINSETTIAS 2¼-inch pots, $8.00 per 100, $75.00 per 1000.

ADIANTUM FARLEYENSE, 3-inch pots, $15.00 per 100

COLEUS

Golden Bedder, Golden Queen, Verschaffelfii, Queen Victoria, Fire Brand and Beckwith's Gem, 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

HELIOTROPE AGERATUM SALVIA ALTERNANTHERA, red and yellow 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

OWN ROOT STOCK

150 **Kaiserin,** 2¼-inch pots, at $45.00 per 1000. 750 **Ivory,** 2¼-inch pots, at $45.00 per 1000. 250 **'Maids,** 3-inch pots, at $50.00 per 1000.

We offer **Killarney** and **Richmond,** 2-year-old plants In 6-inch pots, at $25.00 per 100, excellent for outdoor use. **Killarney** from benches, 2 years old, at $10.00 per 100 ; $90.00 per 1,000.

CHRYSANTHEMUMS

From sand and from pots in quantity

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ROSE PLANTS

PINK KILLARNEYS, 2½-inch pots $6.00 per 100; $55.00 per 1000.

150 WHITE KILLARNEYS, 3½-inch pots, $15.00 per 100.

500 MY MARYLAND, 2½-inch pots, $5.00 per 100.

All nice CLEAN GUARANTEED STOCK ready to SHIP AT ONCE

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

6 cases, 9-10, Cold Storage Giganteums, 200 bulbs to the case, $25.00 per case.

GLASS A few hundred boxes 16x24 A. D. S. F. O. B. Buffalo, N. Y., or Erie, Pa., at right prices. Get quotations before you buy elsewhere.

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

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We Are Headquarters. A Critical Inspection of Our Stock Invited.

Good Standard Varieties, from 2 inch pots, $2.00 per 100, $18.50 per 1000; from 3 inch pots, $3.00 per 100, $25.00 per 1000.

LET US BOOK YOUR ORDER FOR NEXT SEASON

WE HAVE AN IMMENSE STOCK READY

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 47

Round, Green Painted Plant Stakes

			Per 100				Per 100
1½	feet	Light Stakes	$0.80	4	feet	Light Stakes	$4.35
2	"	" "	1.55	5	"	" "	5.10
2½	"	" "	2.25	3	"	Heavy Stakes	4.25
3	"	" "	2.90	4	"	" "	5.75
3½	"	" "	3.85	5	"	" "	7.25
				6	"	" "	8.75

	Trade Pkt.	Ounce
Cineraria Hybrida - -	$1.00	
Mignonette, Defiance - -	.15	$0.40
Pansy, Finest Blended - -	1.00	8.00
Primula Chinensis - -	1.00	
Primula Obconica - -	.25	
Stocks, Beauty of Nice - -	.25	2.50

Thompson's Special Chrysanthemum Manure	$6.00 per bag of 56 lbs.
Clay's Fertilizer - - - - - -	$3.25 per bag of 56 lbs.
Sheep Manure - - - - -	100 lbs. $1.50, Ton, $24.00
Scotch Soot - - - - - - -	$3.50 per bag of 100 lbs.
Tobacco Dust - - - - - -	$2.00 per 100 lbs.

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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BODDINGTON'S QUALITY
Christmas-Flowering Sweet Peas
FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's **Snowbird (Pure White)**	$0.20	$0.75	$1.25	$2.00
Boddington's **Christmas Pink**	.10	.40	.75	1.00
Boddington's **Christmas White**	.15	.50	.85	1.50
Mrs. E. Wild **(Carmine)**	.15	.50	.85	1.50
Mrs. Cecil Lewis **(White-waved)**	.15	.50	.85	1.50

New list of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
UNION STREET, BOSTON, MASS.

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CALLAS

Free from disease, carefully selected, sand grown bulbs.

We have the best lot of Callas grown in California this year

Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California

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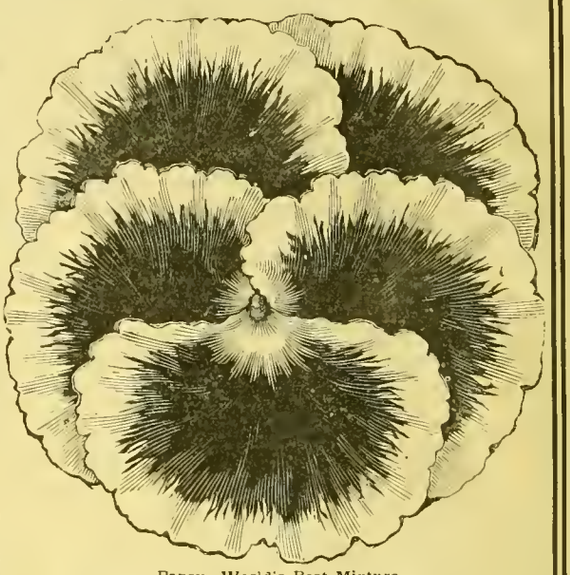
Famous Strains of Mammoth Mixed Pansies

S. & W. Co.'s Non Plus Ultra

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these Pansies a most brilliant appearance, the seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed, per trade pkt., 25c.; per ¼ oz., $1.50; per oz., $5.00.



Pansy—World's Best Mixture

World's Best Mixture

This mixture is the result of careful selection, from the very largest and finest Pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per trade pkt., 50c.; per 1000 seeds, $1.25; per 5000 seeds, $5.00.

Very Large Flowering Varieties

These are remarkably large Pansies, which, for size of flowers and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

	Tr. pkt.	¼ oz.	Oz.
S. & W. Co.'s Giant Purple Violet	$0.20	$0.50	$1.50
S. & W. Co.'s Giant Adonis, light blue	.25	.75	2.50
S. & W. Co.'s Giant Pure Yellow	.20	1.25	4.00
S. & W. Co.'s Giant Azure Blue	.20	.75	2.00
S. & W. Co.'s Giant Emperor William	.20	.75	2.50
S. & W. Co.'s Giant Fire King	.20	1.25	4.00
S. & W. Co.'s Giant King of the Blacks	.20	$0.75	$2.00
S. & W. Co.'s Giant Lord Beaconsfield	.20	.75	2.50
S. & W. Co.'s Giant Snowflake	.20	.75	2.50
S. & W. Co.'s Giant White, dark eye	.20	.75	2.00
S. & W. Co.'s Giant Yellow, dark eye	.20	1.00	3.00
S. & W. Co.'s Giant Mixed	.10	.65	2.00
Elite Mixture	.10	.50	1.50
English, fine mixed, lb. $4.50			.40

Pres. Carnot, white, each petal adorned with a deep violet blotch. Per pkt., 25c.; per ¼ oz., $1.75; per oz., $6.00.

Masterpiece (Germania), superb new class of blotched Pansies with large blooms, mostly undulated or curled, fine rich colors. Per pkt., 50c.; per ¼ oz., $2.25; per oz., $8.00.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

PRIMROSES

IMPROVED CHINESE Finest grown. All colors mixed, single and double, strong 2-in., $2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

PRIMULA KEWENSIS, the great and grand new, Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

CINERARIA, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

GIANT DAISIES (Bellis), extra large and fine, mixed. Trade pkt. 25c.

PRIMULA OBCONICA, New Giants, 1500 seeds, 50c.

CALCEOLARIA, Dwarf Giant Spotted, Pkt. 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

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Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. **50** cents.

Large-Flowered-Prize Dwarf, Splendid Mixed, Trade Pkt., **50** cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Cold Storage Valley

BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP

Grown by some of the most competent private gardners in the country.

Write for special prices.

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt



One of our Kingly Prize Pansies

Johnson's Kingly PRIZE PANSIES

Famous for their Giant Size, Heavy Texture, and wide range of Magnificent Colors. We offer seede of this unrivaled strain as follows: Per 1000 eeeds, 30c.; 2000 seeds, 50c.; 5000 seeds, $1.00; per ¼ oz., $1.25; per oz., $5.00.

POPULAR GIANT PANSIES FOR FLORISTS

	Per large trade pkt. (2000 seede)	Per oz.
Giant Adonis, beautiful light blue	$0.25	$1.50
Giant Prince Bismarck, beautiful ehade of brown	.25	1.50
Giant Striped	.25	1.50
Giant Peacock, ultramarine blue, claret and white, extra	.40	3.00
Giant Emperor William, the best blue	.25	1.25
Giant Black	.25	1.25
Giant White, with dark eye	.25	1.50
Giant Trimardeau, choice mixed	.25	1.00
Giant Fire King, golden yellow, upper petals purple	.25	1.50
Giant Mme. Perret, a magnificent giant etrain of rare excellence, very early, vigorous and a rich combination of colors	.40	2.50
Giant Lord Beaconsfield, purple, white petals	.25	1.50
Giant Yellow, with dark eye, fine	.25	1.50
Bugnot's Superb Blotched	$0.40	$4.00
Cassier's Giant Five Blotched	.40	3.50
Masterpiece, a magnificent variety with curled petals and many rich colors	.40	3.50
Giant Orchid-flowered (new), beautiful rare shades	.50	5.00
Giant Odier, extra large, blotched, rich colors	.40	3.00
Imperial German mixed, a rich strain	.40	3.00
Giant Parisian, brilliant colors, mostly five blotched, fine	.30	1.75
Giant Golden Queen, pure yellow, no eye	.25	1.25
Giant Dark Blue	.25	1.50
Giant Snowflake, pure white, extra	.30	2.00
Giant Hortensia (new), red shades	.30	2.00
Giant President Carnot, large white with violet blotches	.25	1.50

Send for our Complete Wholesale List of Pansies

JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

A case or so of Cold Storage Giganteum for Christmas-Flowering is a good investment. Order now for September Delivery.

RALPH M. WARD & CO.
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NEW YORK

Horseshoe Brand Products. "Not How Cheap—But How Good"

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 5 feet, 55 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
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Blue List of Wholesale Prices mailed only to those who plant for profit.

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SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

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WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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76 Barclay St, NEW YORK

Important to Florists:

New crop of High Grade Flower Seeds just arrived, (especially selected for Florists' use).

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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Contract Seed Growers

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Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

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Flower and Garden Seeds

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Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 eeeds, 75c. per 1000 seeds, $2.75 per 5000 eeeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA.

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HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

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MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

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COPENHAGEN, DENMARK

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CINERARIAS

W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street NEW YORK

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IMPORTS, ETC.—June 28.—Maltus & Ware, 20 cases Orchid plants. June 29—Maltus & Ware, 85 cases living plants. June 30.—Maltus & Ware, 10 cases living plants.

The shipments of Onion seed from the Canary Islands to the United States in 1909, writes Consul Solomon Berliner of Teneriffe, were valued at $55,586, an increase of $26,040 over the previous year.

BOSTON, MASS.—A consolidation of several seed houses in this city is being effected. The facts in the case will be given as soon as the details have been worked out and are ready for publication.

European Notes

Warmer conditions now prevail in northern Europe and crops are trying their utmost to make up for lost time. Applications from your side are so urgent and persistent that our chief regret is that we do not hold a large surplus of last year's seed with which to satisfy the needs of our friends and, incidentally, secure some of the benefits of the advanced prices for ourselves.

One thing is certain, and that is that high prices must rule again next season. Seed growing for several years has been a very unprofitable business and consequently growers, even the fairly prosper-

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

French Grown Pansy Seed

At Reduced Prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.50
Fairy Queen	.50
Peacock	.60
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75
Thorburn's Superb Mixed	4.00

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Charters, sep. colors or mixed	.60	.10
Hollyhock, Everblooming, New Strain	.60	.10
Primrose, Chinese, Prize Strain.		.25
Cineraria, Sutton's Prize Strain.		.25
Mignonette, Imperial Strain, greenhouse grown	3.00	.25
Pansy Giant, the best of all	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Grange, BALTIMORE, MD.

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Seasonable Seeds FOR Summer Sowing

ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

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Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

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Valkier en Zoon, BULB GROWERS

Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.

AGENT FOR THE UNITED STATES

CHRIS. VAN SCHAIK, Care of Isaac the Visser R. F. D. No. 1 **Paterson, N. J.**

Write for Prices

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN



ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street — NEW YORK 25 Barclay Street

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

WE PRINT CATALOGUES

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasere examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.

Nos. 2 to 8 Duane Street, NEW YORK

Proprietors The Florists' Exchange

P. O. Box 1697 N. Y.,

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

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

Vegetable Plants

CABBAGE, Danish Ballhead and Surehead, per 100 25c., per 1000 $1.50.
CELERY, Golden Self-Blanching, Golden Heart, and White Plume, per 100 25c., per 1000 $1.50.
BRUSSELS SPROUTS and **ENDIVE,** per 100 25c., per 1000 $1.50.

ASPARAGUS Plumosus and Sprengeri, 2¼-in. pots, $2.00 per 100, $17.50 per 1000.
ASPARAGUS Plumosus, from bench, 2 years old, $5.00 per 100.
SMILAX, 2¼-in. pots, $2.00 per 100, $15.00 per 1000.
CHRYSANTHEMUMS, Minnie Bailey, Dr. Engnehard, Golden Glow, and Lulu, 2¼-in pots, $2.00 per 100, $15.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Egg Plants Black Beauty and New York Improved, 40c. per 100, $2.00 per 1000.

Pepper Plants Bull Nose, Ruby King, and Sweet Mountain, 40c. per 100, $2.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

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Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

200 JACK ROSE DAHLIAS

2½-inch pots, **$10.00** per 100.

CHAS. H. CAMPBELL

3601 Germantown Avenue

PHILADELPHIA, PA.

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DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

ous among them, refuse to allow a half crop to remain standing unless an advance on the contract price is conceded by the merchant. Is it too much to ask those in whose interests these contracts have been made to share the additional cost?

Annual crops are now engaging our attention, and of these Peas are perhaps the most important. The hot dry spell caused us to fear a serious diminution of the crop, especially of the earlier section, but some abundant rains have fallen during the present week and we hope for better results.

Radish, where it was possible to transplant it, is doing very well and some of the latest varieties will be abundant.

Spinach, which was drying up in some districts will improve after these abundant rains, while Cress, Mustard and other articles of the same character will follow suit. In flower seeds, Asters are very late but showing a good stand. Pansies are seeding very slowly this year, although they will probably yield well later on. Sweet Peas are somewhat discouraging, and of Nasturtiums it is as yet too early to write. Cyclamens, Primulas, Cinerarias and other choice seeds will be ready for shipment in a few days.

Recent arrivals from your side are: Mr. and Mrs. W. J. Bryan of Nebraska; Walter P. Stokes, Philadelphia; and S. F. Willard of Wethersfield, Conn.

The hand of death has fallen heavily upon the old established firm of Nutting & Sons, London. W. J. Nutting, the head of the firm, and Crichton, formerly of Smithers & Crichton, but for the past 20 years associated with Messrs. Nutting, having died within a few days of each other. The veteran Henry Cannell has sustained a heavy loss by the death of his youngest son under very distressing circumstances. EUROPEAN SEEDS.

American Notes

Trade Now Very Quiet

The past week has been a very quiet one with the seedsmen, in so far as the sales of seeds for immediate plantings have been concerned; but after July 4 several dull business weeks are always expected. Again, the intense and continued heat, which finally came so suddenly and has been so general over the entire country, has also had its influence in cutting down business materially, for as late as the cool weather continued this season, seed sales, as expected, kept on and on, ending only when real Summer weather at last did put in an appearance. Everything that is seasonable with the seedsmen is selling fully as well as usual at this season, no reports but that present conditions are satisfactory being received.

The double holiday, over "The Glorious Fourth," was much appreciated and enjoyed by every member of the trade, especially by those who had not been able to arrange for their vacations until later in the season.

July and August Anxious Months

The unfavorable growing weather conditions, which this year continued well into June, will make July and August most anxious months with the entire seed trade. In the first place, every seedsman is vitally solicitous that the seeds he has been selling during the season just ending shall return satisfactory crops to his customers, both as regards quality and quantity of yield. The time was not so very long ago when crop failures, without the least regard to the causes, were always charged to "the poor seeds sold by the seedsman." Of late years, thanks to our ever improving horticultural press, garden makers are learning that many other essential conditions besides "good seeds" enter into the production of a satisfactory harvest. Yet, very few buyers realize their seedsman's anxious interest in their seed plantings, as by no means does a seedsman's anxiety end with the seed sale; he continues to feel a heavy moral responsibility for what may be truly called his customers' "seed satisfaction," and this is only one of the many exacting phases of seed selling.

Again, the growing crops, planted for seed purposes, are always a continual

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON

BALTIMORE, MD.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.
CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and **CELERIAC,** best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.
CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Dutch Bulbs

We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

The Dutch Bulb & Seed Growers Co.

Haarlem (Holland)

Please mention the Exchange when writing.

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. Light, Medium, or Dark Mixtures. 1910 Seed Now Ready. 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue** and **Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, stripped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.



Please mention the Exchange when writing.

A1 STOCK ASTERS, best varieties, transplanted $5.00 per 1000; **DRACAENA Indivisa,** 4 inch, $15.00 per 100; **IVY GERANIUMS Mixed** 2½ and 3 inch, $2.50 and $5.00 per 100; **GERANIUMS, S. A. Nutt** and **Standard Varieties,** 4 inch, $8.00 per 100; **ASPARAGUS SPRENGERI,** 4½ inch, $8.00 per 100; **GERMAN IVY,** 3 inch, $6.00 per 100; **COLEUS, Golden Bedder** and **Verschaffelti,** 2 inch, $2.00 per 100; **CANNAS** from flats, **Commercial Varieties,** $4.00 per 100; **VERBENAS,** 2½ inch $2.50 per 100.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.



PANSY SEED ORDERS BOOKED NOW

MICHELL'S GIANT EXHIBITION MIXED

A Giant Strain which we have secured from the leading Pansy Specialists in England, Germany, and France, which for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade pkt. 50 cents, 75 cents per ⅛ ounce, per ounce $5.00.

MICHELL'S GIANT PRIZE STRAIN

Our Giant Prize Pansies should not be compared with the ordinary Giant Trimardeau, as the seed we offer will produce flowers of much heavier texture.

	Tr. pkt.	Oz.
Giant Prize Azure Blue	$0.40	$1.50
" " Black Blue	.40	1.50
" " Emperor William	.40	1.50
" " Hortensia Red	.40	2.00
" " Lord Beaconsfield	.40	1.50

	Tr. pkt.	Oz.
Giant Prize Snow Queen (pure white)	$0.40	$1.50
" " White, with Eye	.40	1.50
" " Pure Yellow	.40	1.50
" " Yellow, with Eye	.40	1.50

Our Summer Wholesale List of Seeds, Bulbs, etc., free for the asking.

HENRY F. MICHELL CO., 10th and Market Sts. **Philadelphia, Pa.**

Please mention the Exchange when writing.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ¼-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.60	$2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch	.15	.60	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50
Giant Trimardeau. Improved Mammoth-flowering and in good range of color.	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.35	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.35	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.35	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.35	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.35	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.50	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.35	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

worry to the seedsman until harvesting puts the actual seed in his hands. As a matter of fact, a conscientious seedsman considers himself obligated to his customers in many ways that, surely, the average purchaser of seeds thinks too little about. It is not a question of simply selling so many seeds, but of supplying our customers with seeds that shall yield satisfactory returns. But, gradually, thanks again to the ever improving horticultural press, seed planters are beginning to more fully understand and appreciate the seedsmen's honest purposes in these matters, and they will, it is hoped, be more willing in the future to pay fair prices for their needed seed supplies. The day of "low rates" governing seed purchases is slowly, but surely, passing, and more and more attention will in future be bestowed upon "quality," letting the price take care of itself.

Fall Bulbs

Every dealer who has not as yet arranged with his wholesale seedsman for his supply of bulbs for the Autumn sales should do so without further delay. Every sign points to an especially active retail demand for both French and Dutch bulbs, particularly of the latter; and an early arrangement for the Hyacinths, Tulips, Narcissi, Crocuses and other staples in this line that will very soon now be needed will assure prompt deliveries. In connection with the bulb sales, even if the quantities disposed of are not very large in amount, a good illustrated circular or small bulb catalog will be found of very material assistance; and in this connection the writer would mention that the publishers of The Florists' Exchange have prepared a very attractive and most profusely illustrated little Fall bulb pamphlet, with pages in the back suitable for the dealers' price list of the bulbs carried in stock. This pamphlet, with the dealer's name and address on cover, and price list added, makes a very complete, inexpensive and most attractive "Bulb Catalog." V.

New York Seed Trade

The week has been a quiet one with the seedsmen, but after the Fourth of July this is always expected. Stock taking is still going on and vacations are in order.

The event of greatest interest with the seedsmen, at the present time, is the exhibition of the National Sweet Pea Society of America, which will be held in this city next Tuesday and Wednesday, July 12-13, at the St. Nicholas Skating Rink, 69 West 66th st. The many substantial prizes that have already been offered have created much interest and the exhibition bids fair to be a most excellent one. Although this is only the second year of this Society, a most important work is being done and it is pleasing to note that our seedsmen are all very much interested in the movement.

Vaughan's Seed Store expects to receive Lilium Harrisii bulbs on July 15.

The Stumpp & Walter Co. is finding an active trade in insecticides of which it carries a very full line.

Burnett Bros. report their orders for potted Strawberry plants as much ahead of last year. They are also booking many advance bulb orders for Fall delivery.

At Boddington's, many orders are being booked for their various strains of Pansy seed and Winter-flowering Sweet Peas.

W. T. Hutchins, the Sweet Pea expert, was a visitor in town this week and, by the way, Mr. Hutchins will serve as one of the judges at the exhibition of the National Sweet Pea Society next week.

W. C. Langbridge, of the Jerome B. Rice Seed Co., Cambridge, N. Y., was also a visitor in town this week, and reports that advance orders are particularly good with them for the general list of seeds for another season.

C. McTaggart, who has accepted a position with Wm. E. Marshall & Co., is visiting the firm's customers and taking orders for Fall bulbs.

"Buds" Seed Store are receiving the new crop of various varieties of florists' flower seeds.

Philadelphia Seed Trade

As far as seed selling is concerned there is nothing doing these days. The good old Summer time is here, and early closings and vacations are the order of the day. Nevertheless, the seedsmen continue to display their insecticides "whose name is legion" and their apparatus for applying the same; and also the garden utensils and lawn requisites, everything in fact which may attract a chance buyer. How did our honored ancestors get on without all these things? Is it not true that a supply of one thing creates a need of another? Give a man a nice lawn. Now of what else have you created a need? A lawn mower, a rake, a roller, a sickle, a water supply, a hose, a sprinkler, some fertilizer, and a man to use all these.

Walter Stokes, of the Stokes Seed Store was recently heard from just as he had landed at Queenstown, Ireland. He reports a pleasant voyage, and no meals lost; his comrade, Mr. Willard, is also well. A new greenhouse, about 20x100 ft., is being added to his range at Moorestown, N. J. George Atkinson, his genial manager, reports that the Boston Ferns at the greenhouses are particularly fine this season. He has finished testing the Beet seeds, both standard and new varieties, with much satisfaction, and also the Peas, among them some of the new English varieties, such as Laxtonian, and Prodigious, which are very promising. Mr. Atkinson spent part of his Fourth of July at the quarters of the Moorestown Volunteer Fire Department. He is an active member of this body and a member of the committee which has in charge the erection of a suitable new building for its use.

Mr. Sherry, of the Johnson Seed Co. passed his Fourth of July at an enjoyable picnic at Forest Park, Chadd's Ford, Pa.

The cutting of Turnip and Kale seed has just been finished at Landreth's, Bristol, Pa., and the crop of Cabbage seed, which is the best ever raised, will be harvested next week.

Frederick J. Michell, of the Michell Seed House, Henry F. Michell, and Frederick J. Michell, Jr., of the Henry F. Michell Co., all passed a quiet Fourth at home. I. Rosnosky, salesman for the Michell Co. spent his Fourth at Delaware Water Gap, Pa. He has just returned from a successful trip through Missouri and other parts of the West.

On account of sudden but fortunately slight illness in the family, at the last moment, Mr. and Mrs. Burpee decided to give up their proposed short European trip this year.

On exhibition at Henry F. Michell Co.'s are some plants of Welcome Oats, 6 ft. tall, with heads 1 ft. long, grown by Henry Reyner, manager of Windy Ridge Farm, Penllyn, Pa.

Henry A. Dreer is summering with his family at Northeast Harbor, Maine.

Mr. Thilow passed most of his Fourth on the Dreer experimental farms, where they are just now busiest with the Lettuce, Beans, and Peas, testing for germination, comparison, suitability to climate, etc.

In the window of the Henry A. Dreer store this week is an attractive display of evergreens in small tubs. These displays of labeled specimens enable the public to make better selections.

Dallas, Texas

Reorganizing with a capital of $100,000, the Texas Seed and Floral Company is to erect a $75,000 four-story brick building at Hawkins st. and Pacific ave.; work on the structure which will be 85x175 ft., is to commence at once to take care of the volume of business controlled by the new firm. The reorganization practically amounts to the merging of the Texas Seed & Floral Co. and the Robinson Seed and Plant Co., with the former name to be used by the new concern. Officers of the new Texas Seed Floral Co. are R. Nicholson, president; E. P. Brown, vice-president; C. W. Robinson, secretary and treasurer.

This means that Dallas will have the largest seed and plant concern in the Southwest, and shows how the agricul-

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.

	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price.	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich.	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color.	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped.**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50



HENRY A. DREER, PHILADELPHIA, PA.

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Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade Packet (2000 Seeds) 50c., ⅛ oz. 75c., ¼ oz. $2.75, 1 oz. $5.00, ¼ lb. $20.00.

KINGLY COLLECTION OF GIANT PANSIES MIXED

Trade Packet (2000 seeds) 40c., ⅛ oz. 50c., ½ oz. $1.85, 1 oz. $3.50, ¼ lb. $13.50.

NAMED MIXTURES OF GIANT PANSIES

	Trade pkt	Oz.
Giant Odier. Large blotched, Show Pansy	$0.35	$1.50
Bugnot's Superb Blotched. Very Large French Strain	.35	2.50
Giant Trimardeau. Immense size and beautiful colors	.25	1.25
Cassier's Giant Blotched. Unsurpassed Quality	.35	3.00
Cassier's Golden Yellow, Five Blotched. Very fine	.40	4.00
Giant Parisian. Great diversity of gay colors	.30	2.00
Pres. Carnot. Large white with violet blotches	$0.30	$2.00
New Orchid Flowered. Shades of chamois, terra-cotta, pink lilac, rose and orange	.35	3.00
English Large Flowering. Fine mixed	.25	1.25
Imperial German. Show Pansies	.30	2.00
Fine English Mixed	.20	.75
Good Mixed	.15	.50

STOKES' SEED STORE, 219 Market St., Philadelphia, Pa

Please mention the Exchange when writing.

Pansy Seed

NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.

CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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Begonia Gloire de Lorraine

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

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POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.

BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

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PANSY SEED

Brown's Improved Giant Prize Pansies

The finest strain of Pansies in the market, surpassing all other strains as to variety of colors and size; they are unsurpassable, many being 3½ inches in diameter. **My own grown seed, new 1910 crop ready.**

MIXED SEED—3000 seeds $1.00; ¼ ounce $1.50; ½ ounce $2.50; ounce $5.00; ¼ pound $14.00; ½ pound $25.00; pound $50.00.

SEPARATE COLORS—Giant Yellow with dark eye, same price. Plants ready September 1.

Cash with order.

PETER BROWN, PANSY SEED GROWER

124 Ruby Street, Lancaster, Pa.

Please mention the Exchange when writing.

Order Now

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Seasonable Plants

SMILAX, from 2¼-in., $2.00 per 100, $18.00 per 1000.

ASPARAGUS plumosus nanus, 3-in., $6.00 per 100.

CHRYSANTHEMUM, Polly Rose, 2¼-in., $2.00 per 100. Cash with order.

C. A. PETERSON, Madison, N. J.

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Seasonable Plants

	Per 100
Jerusalem Cherries, 2-in	$1.50
Stevia, rooted cuttings, by mail, prepaid	.75
Chinese Primroses, 2-in	2.00
Chrysanthemum J. Nonin, 2-in	1.50

Also a few other sorts at the same price.

Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

Raffia



We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y

Please mention the Exchange when writing.

tural and allied industries have grown during the last few years. Speaking of the reorganization, Vice-President Brown said: "The seed plant, poultry and bee supply industry has grown to such an extent during the last few years that in the Spring and Fall season the old firms have been handicapped to a great extent in supplying their trade promptly. With the increased facilities this will all be done away with. Additional space at Oak Cliff greenhouses will be provided at once, giving 50 per cent. increase in present capacity."

The new firm, it is said, will control a volume of business running between $700,000 and $800,000.

Chinese Red Tuberose Faked

In regard to the allegation, published in the United States some time since, that the Chinese florists of Tientsin grow Tuberoses of a red color, and erhaps of other shades, Consul-General Samuel S. Knabenshue makes the following report:

Some time since, this consulate received a letter from a florist in the United States, inclosing a sum of money, with the request that he be furnished with its value in red Tuberose bulbs. He stated that he had been informed by a gentleman who had traveled in China that he had seen red Tuberoses grown by native florists in Tientsin.

Inquiry was made of a German florist here, a resident for many years, who stated that there is no natural red Tuberose, but that the flowers are artificially colored. As the Tuberose of the ordinary white variety is near flowering, the flower stalks are cut off close to the ground and are placed in water in which is dissolved a red earth, of whose composition he is ignorant. The coloring matter is drawn up into the flowers, tinting them red—the first that appear being very slightly tinged, but the color becoming more pronounced in those which open later. He also stated that the red color can be produced in this way by using aniline colors, not only red, but any other aniline color which may be desired. Native gardeners, however, insisted that natural red Tuberoses were grown, but declined to sell bulbs of the alleged red variety with a guarantee that the bulbs would produce red flowers, the payment to be withheld until the bulbs were tested.

Finally a native gardener admitted that these are bulbs of the ordinary white Tuberose, reared in ordinary flower-pots in this way: The opening in the bottom of the pot is closed with a cork; the pot is filled with earth mixed to a mud with water in which the coloring matter has been dissolved; the bulbs are planted in this after a number of small incisions have been made in the lower half of the bulb above the roots; a thin covering of uncolored earth is placed over the earth in the pot to conceal the colored portion below; and the plant is supplied with water in which the coloring matter has been dissolved. The resulting flowers have the tint of the coloring matter used.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Vincas—Vincas—Vincas

2,000 VINCA VINES

$2.00 per hundred, $18.00 per thousand.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

WANTED

Plants or Rooted Cuttings of

DWARF STEVIA

When writing state size and price per hundred.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Smilax Plants

Strong plants from 2 inch pots, $1.00 per 100; $9.00 per 1000.

R. KILBOURN, Clinton, N. Y.

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VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

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SEASONABLE PLANTS

DRACAENA Indivisa, 4-in. 10c., 3-in. 5c., 5-in. 20c.

CANNAS, 3-in., Egandale, Harum and Marlborough, 3c.

SALVIA, 3-in. 3c., 4-in. 5c.

VINCAS, 4-in. 8c., 5-in. 12c.

ENGLISH IVY, R. C., Green or Variegated, 75c. per 100.

ASPARAGUS Sprengeri, 2-in., $1.75 per 100.

SMALL MIXED FERNS, 2-in. 2c.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

STEVIA FOR SALE

$2.00 per 100.
$15.00 per 1000.

PAUL FISCHER, Bergen County Wood-Ridge, N. J.

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CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

Primula obconica grandiflora Ronsdorfer and Lallmans Hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

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CYCLAMEN

PERSICUM GIGANTEUM

Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.

Give us a trial; we can please you!

J. W. MILLER
Shiremanstown, Pa.

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Asparagus

	Per 100
Sprengeri, 2¼-in. pots,	$2.00
PANSY SEED, NEW CROP, GIANT FLOWERING, Ounce	$4.00

Primroses

Ready July 15. Per 100

Chinese and Forbesii	$2.00
Obconica alba and rosea	2.00
Obconica gigantea	3.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, O.

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DRACAENA INDIVISA

A Fine Stock In All Sizes. 4 in., 10c. and 12c.; 5 in., 20c. and 25c.; 6 in., 35c.

SCOTTII FERNS, 6 in., 40c. & 50c. each; 4 in., 15c. each; and 2¼ in., $4.00 per 100.
COCOS WEDDELLIANA, 2¼ in., 10c. each, $9.00 per 100.
ASPARAGUS PLUMOSUS, 2¼ in., strong, $3.00 per 100; 4 in., $10.00 per 100.
SALVIA BONFIRE, 2¼ in., $2.50 per 100.
TABLE FERNS, in nice assortment, bushy stock, $3.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

$18.00 per hundred.

Vinca Variegata, 2½-inch pots, $2.50 per hundred.

Cash with orders please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

WHITMANI FERNS

2½-in., from bench, $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.

Magnifica, 2½-in., $15.00 per 100.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

BENCH FERNS

All fine, bushy, new growth:
Scholzeli, best house fern, 5-in. 25c., 6-in. 35c. Boston and Whitmani, 5-6 in. 20c. Amerpohli and Scottii, 4-in. 12c., 6-in. 15c. ASPARAGUS Plumosus and Sprengeri, ready end of July, strong 2-in., $4.00 and $3.50 per 100, $35.00 and $30.00 per 1000.

Cash Please.

WM. S. HERZOG, Morris Plains, N. J.

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Boston Ferns

100 Good Plants, in 3-inch pots, $8.00 per 100.
50 Fine Plants, in 4-inch pots, $10.00 per 100.
Cash.

Phelps the Florist

121 Pleasant St., MARLBORO, MASS.

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French Seed Crop Report

J. B. Samson, of the firm of Samson & Fillou, Angers, France, writes us as follows:

"I see in your issue of June 11, under the heading 'French Seed Crop Report,' a statement which I consider as somewhat incorrect and liable to give your readers who do business with us and other French firms, a false idea as to the outlook of the seed crops over here. I do not know whether Messrs. Denaiffe & Son of Carignan have sent such report to their representative; if so, Carignan being far away from any seed growing district in France, no doubt this firm itself has received wrong information from the seed spots. As such incorrect report may do us and other seed growing firms some harm, in making our friends over there (U. S. A.) believe that the report we sent them some time ago on crops, was wrong, will you please allow me, as the senior partner of a firm situated in the center of one of the largest seed growing districts, and doing a large wholesale American seed business, to put things straight again, and state how things are really looking at this time here.

"The report mentioned says 'Beets good.' I say Beets are not good at all at this time; plantations are much smaller than usual, a large part of the plants having been destroyed through the Winter. The plants are developing badly and very slowly, and my opinion is that a short crop must be expected.

"The report says 'Mangels good.' I say that although the plantations of Mangels were very large indeed, the present outlook is not so bright; in many parts of our country the black fly is setting in, working a lot of evil, so that it is very difficult now to have any idea about the next crop.

"The report says 'Carrots good.' Well! I assure you that Carrots are very bad indeed, worse than we have seen them for years, and a very short crop is to be expected. I really cannot make out how anyone's statement can give them as good, when everyone knows that the outlook is very poor indeed.

"Cabbages are not so good as first expected; in several districts the bad weather has brought a lot of things down. A medium crop only is to be expected of Cauliflower; we grow very little indeed in France, next to nothing.

"The report says 'Parsnip good.' Well! I have never in my life seen such small plantations of Parsnip. A very large portion of the plants was destroyed through last Winter and a very medium crop only is to be expected from what has been planted.

"The report says 'Parsley, plain, curled, etc., good.' I say that plantations of Parsley are very small; smaller than we have seen them here for years, and several plantations have been overflooded; therefore, a very poor crop, indeed, is to be expected.

"As you see, this differs somewhat from the statement contained in your issue mentioned, but I consider (and all growers here will agree with me) that mine is a true report on the present situation and will give your readers an exact idea of how next crops are prepared."

[Probably some of the changes in the situation occurred between the time when our report was first written and M. Samson's present report. Our report of June 11 particularized varieties M. Samson speaks of generally.—ED.]

Prices Advertised in these Columns are for THE TRADE ONLY

ASPARAGUS Plumosus Nanus Seedlings

$1.00 per 100, $10.00 per 1000
Cash with order.

FLORAL HILL GARDENS, Chatham, N. J.
G. F. NEIPP, Prop.

Please mention the Exchange when writing.

ASPARAGUS SPRENGERI

Strong, from 2-in. pots $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant)
2-in. very fine, from seed, $2.00 per 100.
Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Fern Seedlings in Flats

In best varieties, ready June 15.
20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now.
Only 5000 ASPARAGUS plumosus nanus, left, 2¼-in., ready for shifting.
Prices on application.
NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J.

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FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $2.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.

COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

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FERNS

BOSTON, SCOTTII and WHITMANI

September delivery. Get our prices.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

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FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 6 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.
Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

A. T. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
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Frau Karl Druschki
Killarney
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La France
L. Van Houtte
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Mrs. J. Laing
Ulrich Brunner
Paul Neyron
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Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries
OUDENBOSCH, HOLLAND
Proprietors { U. J. Heerma Van Voss / H. A. M. Swellengrebel
Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

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The American Carnation Price $3.50
A. T. De La Mare Ptg. & Pub. Co., New York

500,000 California Privet
FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Brides and Bridesmaids

2½-in. $2.50 per 100; $25.00 per 1000

Numerous other good sorts in prime stock.

THE LEEDLE FLORAL COMPANY SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.
Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalog.

Please mention the Exchange when writing.

August Haerens
Somergem, Belgium
Special grower of High-Grade and new
Azaleas, Kentias, Araucarias, Bays, etc.
AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

Rose Plants

1200 BRIDES, at $40.00 per 1000.
1500 BRIDESMAIDS, at $40.00 per 1000.
1000 Mixed Brides and Bridesmaids, at $30.00 per 1000.
All fine stock, well-grown for own use.

500 Beaute Poitevine Geraniums, 4 inch, $5.00 per 100.
Cash please with order.

LLEWELLYN, Florist, Olean, N. Y.

Please mention the Exchange when writing.

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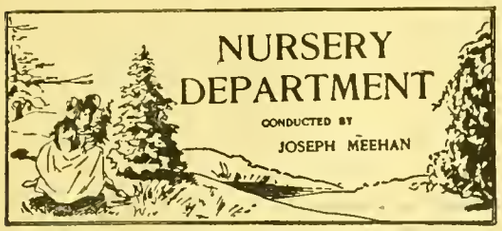

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W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

BEDFORD, MASS.—A. E. Robinson, treasurer of the New England Nurseries, Inc., sails July 19, per S. S. New Amsterdam, on a trip to Holland.

WEST BERKELEY, CAL.—John Gill, of the E. Gill Nursery Co. and Miss Caig of Oakland were married at San José, June 8. After a tour through southern California they will make their home in West Berkeley.

BERLIN, MD.—The Maryland State Horticultural Society will meet here at the J. G. Harrison & Sons Nurseries on July 28. The firm are not only nurserymen, but fruit growers as well. They now have about ten thousand peach trees in bearing, several small apple orchards, and over two thousand acres in cultivation. They expect a large attendance on that date, as it will be a field day for the Society.

Spiræa cratægifolia

Spiræas are among the best known of our flowering shrubs. We had almost said the best known of those of Spring until remembering that many flower in Summer, and a few in Autumn. The one our notes relate to is one of the early flowering varieties of Spring. The flowers are white. Looking at the photograph it will remind many of the S. Van Houttei, but it is not that esteemed sort. The shoots are not quite so pendulous, and the individual flower heads are not quite so large. It is a strong grower and prolific bloomer, making a shrub of handsome appearance when well grown and attended to, as this one has been.

Mentioning Van Houttei leads to the thought how greatly the number of kinds now to select from exceeds the number planters had a few years ago. The chief one of, say, but ten years ago, was Reevesiana among the white ones of early Spring, both the single and the double sort; then Van Houttei came, and soon took the lead, and it is still one of the very best. But cratægifolia and many more are accessible today to those who wish a nice variety.

Early Summer-Flowering Spiræas

The worthiness of the early Summer-blooming Spiræas has been mentioned before in these columns, and just now we are reminded of it again, seeing some of them in good bloom, and showing that the one who had them in charge understands their nature and how to prune them for best results. The S. Billardi and S. Douglasii represent the type in mind, flowering in late June and through July, after all the Spring blooming ones are over their blooming. Both of these are of the class that bear finger-like spikes of flowers, and both have flowers very much alike, of a light pink color. But the foliage of Billardi and Douglasii are quite unlike, the under side of the latter being of a silvery whiteness, not green both sides, as is the case with those of Billardi. They differ too, in this, that the growth of the shoots of Billardi are more erect, so that Douglasii, when mature, has a less stiff appearance than that of the other. To have handsome shrubs of these two and fine heads of flowers they require treatment different from what they usually get. Most pruners treat them as Spring flowering, pruning them as soon as flowering is over, in July, but this is not the best for them. Treat them as Fall flowering, and the results will be far more satisfactory. They do not require any old shoots at all, but may be treated just as Hydrangea paniculata grandiflora is, that is, cut down right to the ground. This cutting down will cause very strong shoots to be made, giving extra large panicles of flowers, and the shrub will be clothed with bright, fresh foliage from the ground to the panicles of flowers.

The pruning of late blooming shrubs is pretty well understood, yet there is much room for improvement with it. Take the other Spiræas of the class just mentioned, such as saticifolia, tomentosa, and then the Bumalda, Anthony Waterer, and many others flowering after Spring is over, and rarely are they cut back as they should be for best results. Cut them to the ground in Winter, and for more satisfactory plants will result. These mid-season bloomers have been overlooked by many who advise on pruning, though those who have raised them from Fall made cuttings, setting them out in early Spring, must have noticed the freedom of their flowering from the shoots made right from the ground.

Peach Yellows

The care which nurserymen have exercised in the past few years in procuring their Peach stones from the mountainous districts of the South was called for because the "Peach Yellows," as it is called, is almost unknown there, especially where the orchards are of seedling origin instead of grafted trees. The assumption is that these Peach stones being from trees never troubled with the "yellows" will not have the germs of the disease in their systems, such as it is thought those from affected trees may have. Those who deal in these stones say that it cannot be said there is no yellows in the States of North Carolina and Tennessee, from which States most of the natural stones come, with some also from Virginia, but the disease is rare in them, especially in the orchards of true seedling Peaches. Another thing in favor of the natural stones is that they are considerably smaller than those from mixed named kinds, making many more to a bushel.

The Peach Yellows is a formidable pest. Just what is the cause is as much of a puzzle as is the control of it. No remedy has been found for it. The only thing to do is to dig up and burn a tree showing signs of it, for it is contagious, spreading from tree to tree in an orchard. What seems queer is that it is said no harm comes from planting a new, healthy tree where the diseased one is dug out.

The first indication that a tree has yellows is the premature ripening of its fruit. There is a yellowish color to its foliage, especially the year following; and besides this the tree makes a lot of slender, upright growing shoots from the limbs, with sickly looking leaves. The disease is always to be found among trees in impoverished ground before it is elsewhere, in fact, in good soil it is more rare than common.

Buxus sempervirens

The many varieties of the common English box, Buxus sempervirens, imported by our florists and nurserymen, give, to many, an impression that some of these kinds are distinct species, but in this they are mistaken; they are all varieties of the English, save, a few Japanese sorts which are occasionally met with. Such kinds are Handsworthii, argenteo, rotundifolia, aurea, myrtifolia and suffruticosa are all varieties of sempervirens. The suffruticosa mentioned is the well-known "Box edging" kind, a dwarf variety. The true Buxus sempervirens is the old kind universally called "Tree Box," and often termed B. arborescens, but which is not its scientific name. If catalog makers would bring all the sorts back to sempervirens as the type, making all others varieties of it, they would get it right; omitting, of course, the few of Japanese origin.

The use of the name "arborescens," as applied to sempervirens, doubtless had its commencement in nurseries when but it and the "Box edging" kinds were the only ones known, and arborescens was an easy name to distinguish it from the dwarf kind. The writer has a recollection that in his boyhood days he was told that grand specimens of the Box could be seen at Box Hill, not a great walk from Kew, London, where they flourished in their wild state.



Spiraea Crataegifolia

Magnolia parviflora

It is often a surprise to many to find the length of time it takes for a meritorious tree or shrub to become known. The case of the Magnolia parviflora is that of a lovely species which, though in collections here and there for perhaps 20 years, it seems to the writer, is still in a sense unknown. It is one of the most beautiful of all Magnolias, a Japanese species, introduced to the trade by the Parsons & Sons Nurseries, at Flushing, New York. When those nurseries existed, their chief propagator took an interest in increasing stock of all rare and beautiful trees, and if one wanted a new tree or shrub of merit, it could usually be had there. Today, if the writer was asked where a stock of Magnolia parviflora could be had he could not answer the question.

This Magnolia is noted for its clusters of red stamens in the center of its white flowers, and for its fragrance. It is the contrast of the red and the white colors that makes it so attractive. There are two other Magnolias having colored stamens: one is a Japanese species, hypoleuca, the other our evergreen one of the South, grandiflora. Probably it is lack of advertising that causes such a time to elapse before the worth of a tree like the Magnolia parviflora becomes known; and advertising is not done because of lack of sufficient stock to make it pay. The only advertising this Magnolia has had is that of those who have seen it speaking of it to someone else, recommending it. If the stock of it was abundant, and its value made known, a plant or more of it would be in the collection of everyone who had a garden and loved flowers. The Parsons & Sons' propagator referred to, Mr. Trumpy, if I mistake not, used Magnolia tripetala for the stock on which he grafted his choice Magnolias, preferring it to M. acuminata, the one so many use, because of its having more fibrous roots. M. acuminata makes fewer roots than any other kind, and aside from this it was a favorite for stocks for many years.

Aucuba Japonica

One of the troubles nurserymen have is describing intelligently, yet concisely, in their catalogs, the degree of hardiness in the plants they offer. This was impressed on the writer by seeing the Aucuba Japonica described in a Pennsylvania nursery list as "not hardy." Probably taking the State as a whole the statement is correct, but from Philadelphia southward the plant is hardy, and very likely it is, too, along the coast of Long Island, where it is subject to the influence of the ocean. What the Aucuba wants, and all plants want that are planted at about the limit of their endurance of cold, is a well sheltered place. In West Philadelphia, near the Bartram Park, there is a plant or two of the Aucuba which have stood for many years in their present position. They are near a dwelling which shelters them from north winds, and, near by, large trees shade them from the sun in Winter. I do not think they have ever been hurt by the cold of Winter. Catalog makers could safely say of it "hardy to Philadelphia.

It is no test of hardiness to set a plant, especially a broad-leaved evergreen like the Aucuba, in an open, exposed position. Native evergreens, say Rhododendrons, would not survive too severe a test of this character. They should go in groups of many plants together, not necessarily of the same kind; but where there are many one protects the other.

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Two Leading Questions

Why Calla "Lily"?—Origination of the Seedless Orange

Two questions have been sent to me recently, one from New York, the other from Lansdowne, Pa., which I shall try to answer.

Why Calla "Lily"?

The first one, from the first named place is: Why is it that the word "Lily" is associated with "Calla," even by well informed people, when, in conversation, they use the common name of Richardia Africana? Custom, is the answer. This is an error in plant nomenclature into which the majority of gardeners have fallen; and if professionals err, it is but reasonable to suppose that laymen will follow the example and perpetuate the error. Bailey, in his Cyclopedia of American Horticulture makes use of the term "Calla Lily." It is only by calling the attention of the public to these errors, from time to time, in horticultural papers, that they will eventually be corrected. Another instance of popular error in plant nomenclature prevails on this Coast, where Cordyline Australis, and C. stricta are grown as street trees, or as single specimens on lawns, where they attain to the dimensions of large trees. These are almost always spoken of as Dracæna Palms, even by nurserymen and college professors. As a matter of fact, Callas do not belong to the Lily family of plants, neither do Cordylines and Dracænas belong to the Palm family.

It may be helpful to young gardeners at this time to study the order Araceæ, also known as Avoideæ, to which the Calla belongs. In this same family are found Jack-in-the-pulpit, Arisæma triphyllum, also known as Indian Turnip; Caladium esculentum, the common Elephant's Ear; the Anthuriums of the greenhouses; the Monstera deliciosa, which is also grown in greenhouses in the East, but here in the open, and which is one of our most beautiful sub-tropical plants. In the Monstera, the leaf or bract which surrounds the spadix, on which the minute flowers grow, is not a petal as petals are known in the Rose or other flowers having this form of floral development, and is known by the name "spathe."

Another characteristic of this family of plants is the acrid element in their composition, varying in intensity in the different members. Many an unsophisticated lad has been the victim of some heartless practical joke, when beguiled into eating a piece of the root of an Indian Turnip, and his mouth is made to feel as though it contained coals of fire. This acridity is expelled in the process of boiling, and because of that fact, "poi" the food of the natives of the Sandwich Islands, is made from the corms of Caladium esculentum, Colocasia antiquorum, and Alocasia macrorhiza.

The three plants last named are included in the one native name "Taro" of the countries in which they are grown for food.

Origination of the Seedless Orange

The second question is: Who originated the seedless Orange? The answer is: No man knoweth. The Orange which we know as Washington Navel was introduced to this country by Wm. Saunders of Washington, D. C., from Bahia, Brazil, in 1870. Two trees of it were sent to a Mrs. Tibbets of Riverside, Cal., in 1874. The soil and climate were congenial to it, and proved to be superior in quality to any other known variety, with the additional merit of being seedless. As first it was named Riverside Navel. This name, however, was changed to Washington Navel, in honor of our national capital whence it was first disseminated. Like Spineless Cactus, it probably originated so far back in antiquity that all knowledge of its origin has been lost. A thorough report of this fruit was made by Van Deman, which is printed in the report of the Agricultural Department of the Government for the year 1886, page 267. P. D. B.

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It invigorates plant life and can be applied to the tenderest flowers and foliage.

$2.50 per gallon, $1.00 per quart.

Buy from your Seedsmen, or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40 cents.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(1) **Crops for Greenhouse.**—Will you tell me through your valuable paper what to grow most profitably in a greenhouse 15 ft. by 35 ft. Is it advisable to make a specialty of one thing in such a house, or grow three or four successive crops? And what would you advise growing? In all probability the house capacity will be increased 150 per cent. during August or September. What could be started or grown best in frames or the open now and transferred to such house at its completion for Fall and holiday trade, in potted or cut flowers, and which would be most profitable?—Anxious, N. J.

—So much depends upon conditions not indicated in your inquiry that it is difficult to say what may be grown most profitably. We advise either a specialty or a succession of crops. In specialties, we suggest any one of the following: Sweet Peas, in solid beds or directly in beds made on ground level of greenhouse, planted in first half of August, using Christmas varieties in white, pink, etc.; Carnations, using about two varieties, if for shipping, or three for local trade, either in solid beds or on benches; Mignonette, in solid beds or benches, planted first half of August. If any of these crops cease to be profitable in late Winter, follow them by Ricard, Poitevine and Nutt Geraniums. For succession, plant 'Mums now—using dwarf varieties where necessary for lack of overhead room, if you use benches—solid beds, or ground level beds preferred. And follow these either by Beauty of Nice and Queen Alexandra Stocks, which you can be bringing on in frames, or by Geraniums, or bulbs. Read our "Among the Growers" articles for the past three months. It can be learned therein what others are doing and how they do it, and will be suggestive. All of the plants mentioned can be grown on in pots plunged in frames till your proposed new houses are finished. If growing for retail trade you will need a variety, using your center benches or beds for growing flowers for cutting and your side benches for potted plants. If growing for wholesale trade it is strongly advised that you confine yourself to growing one or two specialties, and try to grow them extra well.

(2) **Chrysanthemums infested with White Fly.**—U. T., Pa.

—Use Aphine, as directed by the manufacturers. One of the claims for this insecticide is that it will destroy white fly. Try it.

(3) **Small White Ants in Chrysanthemums.**—The stems of my Chrysanthemums are filled up with small white ants, causing the plants to suddenly blight. The Ant Destroyers sold by seed houses have no effect.—F. A. W., R. I.

—Cut off and destroy the blighted plants. If, as you state, these ants or grubs are inside the stem they cannot be reached by sprays or fumigation.

(4) **Most Dwarf White Carnation.**—What is the most dwarf white Carnation grown, the bloom of which would be suitable for funeral work?—H., Pa.

—White Lawson would probably suit your needs. It can hardly be called a dwarf, but the stem is of only medium length. Boston Market also is a very free blooming white and would give many blooms for funeral work.

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Newport, R. I.

The decorations for the Fell-Randolph wedding at Narragansett Pier, on Independence Day, was in charge of Wadley & Smyth. Roses and Orchids were the principal flowers used. The bride carried a shower bouquet of Gardenias and Orange blossoms.

Leikens reports business, so far, the best in his experience; this applies specially to his plant trade. He has just had a greenhouse erected at the rear of his store.

C. A. Schultz has also had a busy time in the plant line; he has made great improvements at his Bellevue ave. establishment, the location wherein the late J. M. Hodgson had so great a success in days gone by.

The Horticultural Society's meeting on July 12 is to be Sweet Pea night; it is expected that many of the best of the newer Spencer types will be seen there.

ALEX. MACLELLAN.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants...$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$6.00 per doz.; $45.00 per 100

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4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000

Neph. Todeaoides
2¼-in. pots, strong .....$6.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per dnz.

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4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants.$15.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 3 plants to pot, 30-24 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $36.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
6-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

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Beautifully colored .....$6.00 per doz.; $45.00 per 100

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We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
3¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.
7-in. pots .....$9.00 per doz.; $70.00 per 100

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.
Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
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BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.
FERNS, Assorted Varieties, 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.
POINSETTIAS, 3-in. pots, $5.00 per 100.
SALVIA Bonfire, 3-in. pots, $3.00 per 100.
GERANIUMS, in bloom, assorted varieties, 4-in. pots, $5.00 per 100.
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C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA
Please mention the Exchange when writing.

GERANIUMS 3-in. stock, in bloom, nice bushy plants, not long, **Ricard, Poitevine, Doyle,** $2.50 per 100, $25.00 per 1000; 2-in. strong, **Nutt, Ricard, Poitevine,** $1.50 per 100, $14.00 per 1000, $1.75 per 100.
COLEUS, Verschaffelti, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.
Please mention the Exchange when writing.

PANSY SEED
New Crop, Now Ready.
My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.
Cash with order.

E. A. BLINN, Cromwell, Conn.
Please mention the Exchange when writing.

Stray Notes from Abroad

BY T. A. WESTON

Supremacy of Malmaison Carnations

In a recent note I referred to the prices realized on Carnations all through the season, and even at the present time, when prices for colored flowers are somewhat depressed, the best quality Enchantress, etc., bring the grower 50 cents per dozen.

The real money bringer, however, is the Malmaison Carnation, and despite its shyness and its tricky culture, it is rather surprising that this type does not win favor in the United States. In the London markets the Malmaison is always supreme, and few, if any, flowers bring such returns.

I visited, recently, the big Carnation specialist, D. M. Collins of Swanley, and at his place I found the Malmaison beautifully done. The principal variety grown is Princess of Wales, and I am sending a photo of one of Mr. Collins' blooms. The size of this flower in its natural state was 5¼ in. The color is a beautiful deep pink.

The Malmaison Carnation differs from any other type, the foliage being coarse, and the stems carrying growths most of the way up. The commercial grower removes these latter growths, improving the flower, and also allows a bit more stem for cutting, for the Malmaison does not naturally produce stems equalling the Perpetual type.

The majority of Collins' Carnations are booked up by the big florists, only a portion going into the market. The prices noticed for Malmaison blooms this season have averaged 24/- (about $6) per dozen, a figure that no ordinary Carnations, or even Roses realize.

Collins' grow a very large quantity of the Perpetual type, Enchantress being the favorite and, according to their view, no finer variety has ever been sent out. Other sorts grown are Mrs. T. W. Lawson, still a popular sort, and White Lawson, superior to White Perfection, inasmuch as it enables them to keep up a supply when White Perfection takes a rest. Winsor is not considered as good as Rose Pink Enchantress. Britannia is the best scarlet yet tried. Many other sorts are grown, and a few new ones are always on trial, but a large majority of the new sorts prove unsatisfactory, either being bad doers, too shy, or too late to be profitable.

Collins' houses are about 150 ft. by 24 ft. and the whole lot of plants are grown in pots, as the bench system has proved unsuitable. All the stock is grown for two seasons, and the plants are continuously bearing from the time they are brought into the houses until they are discarded.

I am sending a photo of Collins' house of Malmaison Princess of Wales taken on June 11. The cut from this house is about 50 dozen per day, and several thousands had been taken when this photo was made.



Malmaison Carnation Princess of Wales



New Carnation Empire Day
Natural size, 3½ ins.

Some British Carnations

At the Carnation Show recently held in London, only two English novelties, as yet unintroduced, merited attention, these being Edith Waters and Empire Day. The latter was exhibited only in competition, and it won the silver gilt medal as the best vase in the show. It has the makings of a winner, for it has depth and substance as well as size. Flowers run close on 4 inches; the color is a shade paler than Mrs. Burnett and is away from Enchantress.

Mr. E. G. Hill, who was an interested onlooker, thinks highly of Empire Day, and it will not be surprising to find him handling it largely later on.

Chrysanthemums and Stevia

To close out.

Good plants of **Bonnaffon, J. Nonin** and **Zimmer's Yellow**, in large lots; other varieties in smaller quantities, all $20.00 per 1000.

Pompon Chrysanthemums

Klondike, Diana (Queen of the White), Zenobia, Baby Marguerite and Yeltow Baby, $20.00 per 1000. Also a good variety of best sorts for cut flowers.

STEVIA, Green and Variegated, from 2½-in. pots, $20.00 per 1000.

Cash with order please.

CHARLES ZIMMER
West Collingswood, N. J.
Please mention the Exchange when writing.

FLORISTS' MUMS

For further particulars see Stock for Sale colums, page 58

Elmer D. Smith & Co.
ADRIAN, MICH.
Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS

White: Baby Margaret, Touset, A. Byron, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Rosette.
Yellow: Golden Glow (very early), M. Bonnaffon, Cremo, Robt. Halliday, Yellow Jones. Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.
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Prices Advertised in these Columns are for THE TRADE ONLY

Heacock's Large Palms in Cedar Tubs—Durable, Serviceable, and Good for Lots of Rough Handling.



THE "Heacock Way" of growing Palms means a lot more than developing perfect plants, though we're proud enough of *that*. It means growing them—the large sizes especially—in substantially-built tubs of Virginia cedar, well-hooped and neatly painted. We have found, by careful trial, that the larger sizes do better in tubs than in pots, and hereafter will supply our Kentias in 7 inches and above, in these tubs.

You will appreciate this fact because you can handle the outfit as you please without danger of breaking it; you can carry it around by the top with the assurance that the tub won't fall—and you know that a plant never fits rightly, once the pot has come off. Therefore the "tubbed" palm grows, and ships, and handles, better than the potted one, and gives better satisfaction in every way. Your customers, too, will find them just as ornamental as jardinieres, and easier to handle.

Putting our Palms in tubs because it makes them grow better, is only a single instance of the pains we take to grow Palms that will really *succeed*—make money for you and please your trade. The fact that we have been serving the same customers season after season for years, and that we are continually adding to our list of new ones, rather indicates to us that our Palms are what the trade want.

Are *you* with us? If not, we'll welcome an opportunity to demonstrate!

Areca Lutescens
3 plants to pot.
6-in. pot 26 to 28 in. high ..... $1 00 each.
7-in pot 30 to 32 in. high ..... 2 00 "
8-in pot, 36 in. high ..... 2.50 "
8-in pot, 42 in high ..... 3.00 "

Cocos Weddelliana
2½-in. pot, 8 to 10 in. high .....$10 00 per 100

Made-Up Kentia Forsteriana
9-in. tub, 4 plants in tub, 42 to 48 in. high, $4.00 each.
12-in. tub, 4 plants in tub, 6 feet high, $15.00 each.

Kentia Belmoreana
5-in. pot, 6 to 7 leaves, 18 in. high, $6.00 per doz $50 00 per 100.
5-in. pot 6 to 7 leaves 20 in. high, $9.00 per doz.; $70.00 per 100.
6-in. pot 6 to 7 leaves, 22 to 24 in. high, $1.00 each; $12.00 per doz.
9 in. tub, 6 to 7 leaves, 5 feet high, $7.50 and $8.00 each.
9-in. tub, 6 to 7 leaves, 42 to 48 in high, $6.00 each.

Phoenix Roebelinii
5-in. pots, nicely characterized .....$1.00 each
6 in. pots nicely characterized ..... 1.50 each

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK CO., Wyncote, Pa.

Please mention the Exchange when writing.

Edith Waters is out of Enchantress crossed Lawson, and flowers are over 4" deep, rose pink and fully double. It has good stem and the plants are strong, but the flowers are flatter than Empire Day Before pronouncing fully on these novelties, the Carnation committee will wait until the December show. Edith Waters, by the way, gained an award of merit from the R. H. S.

Two great British varieties shown were Carola and Marmion. The latter has a Malmaison touch about it and it tends to burst. Corola is a true perpetual of enormous size. Mr. Hill looks upon it as being ahead of



Burnett's Great Carnation Marmion
White shaded rose. Nat. size, 4½ ins.

any crimson ever seen and, as shown by Englemann. Carola is miles away from the best crimson on the market. I might add that Englemann has a vivid scarlet sport from Carola, and when it becomes plentiful you may say good-bye to all the rest of the scarlets, from a show point of view. Put mildly, Scarlet and Crimson Carola are in a class by themselves, for 5" diam. and 3" deep, and no bursting, means a sight when a grower like Englemann can show a quarter of an acre under way. Mr. Englemann has this space down to the Crimson, and practically all his plants are grown on beds, not raised, but on the ground. The fact that he has scored Paris, Berlin and Brussels, to say nothing of London, indicates that he might some day come romping over your side to show you what Carnations are.

New Sweet Peas

Sweet Peas have now come into their own again, for while the glass house product is always fair it bears no comparison to the outdoor stock as grown in England. Miss Hemus is on the warpath with new varieties, and it is safe to say that W. A. Burpee will find some of them quite up to his liking. One of the best is Guy Hemus, practically a Mrs. Higginson colored Spencer, truly most bewitching. Helen Pierce Spencer, in two shades, are also among Miss Hemus's novelties this season.

Lobelia tenuior

I have not any recollection of seeing reference made to Lobelia tenuior. This beautiful novelty, when shown by Veitch & Son, always attracts attention and, as a pot plant for decorative work, it is a wonder. The flowers average nearly 1½", and are brilliant blue. Try it, my friends, it's good.

Wenk's New Seedling Geranium

Peter Wenk of Ozone Park, L. I., N. Y., is growing a large block of a new seedling Geranium which he expects to disseminate next Autumn. Mr. Wenk obtained this Geranium by crossing Marquise de Montmort and S. A. Nutt. The result is a plant of somewhat dwarf type, very robust and branching, with foliage of a rich, dark green color, marked with a zone of bronze, somewhat fluted and with a rather deeply scalloped edge. It is very floriferous. The blooms are a little more than semi-double. The trusses and florets are both of good size, and are carried on strong stems, well above the foliage. The petals hold on well, and the blooms endure without injury both the sun and rain. The color is darker than Marquise de Montmort and lighter than S. A. Nutt, about the color of the Crimson Rambler Rose. This is a promising seedling and should become popular both for pot growing and for bedding.

Princeton, the New Rose

Messrs. Stockton & Howe of Princeton, N. J., who will place Princeton on the market in due course, have favored us with the following particulars: We are not shipping this Rose into the Philadelphia market, but have exhibited it there this Spring.

Princeton is a distinctly new Rose in color and habit of growth. It is a seedling, its parents being Ulrich Brunner and Safrano. The color is rose pink and unusually true; the color is always constant and the same shade in both hot and cold weather. The bud is long and graceful and opens out somewhat like Killarney, but it has much more body and never falls after fading. It is a fine keeper and does not lose its color. The stems are long and very straight and stiff, the foliage is large and heavy, of a good color and it is exceptionally free



House of Malmaison Carnations at Collins'
Average nat. size of flowers, 3½ to 4 ins.

from mildew and black spot. Princeton is a very free bloomer and the buds develop very fast.

We are devoting one large house to this Rose and think it is a novelty of unusual promise.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Ladies' Society of American Florists

Miss Meinhardt, president of L. S. of A. F. has appointed Mrs. Richard Vincent, Jr., of White Marsh, Md., on the board of directors to fill out the unexpired term of Mrs. W. J. Vesey (deceased).

MRS. CHAS. H. MAYNARD, Sec'y.

Awheel to the S. A. F. Convention

Emil Leuly of West Hoboken, N. J., who has bicycled to every S. A. F. Convention for many years past, proposes this year, in company with some six companions, to make an extensive trip on the wheel visiting, among other points, Saratoga, Lake George, the Thousand Islands and Montreal, arriving at Rochester, N. Y., in time for the opening of the Convention.

S. A. F. and O. H.

At the Mid-Lent meeting of the Executive Board the following resolution was passed:

"RESOLVED, That if five or more members write to the Secretary expressing an especial interest in any floricultural topic, and request the organizing of a section devoted to that subject, the Secretary shall assign a place on the program to that topic and shall designate it by a suitable name as a separate section."

A place on the program has been reserved for such sections and the secretary will be pleased to hear from any members who wish the organization of such a section.

June 30, 1910. H. B. DORNER, Sec'y.

Florists' Hail Association

Secretary John G. Esler, in reply to inquiries, advises us that over $25,000 has been paid out to make good losses occasioned through hailstorm visitations since the last annual meeting of the Association, August, 1909.

Great International Horticultural Exhibition

London, Eng., May 22 to 29, 1912

A preliminary circular is about to be issued, and will be sent to The Florists' Exchange, among other newspapers, very shortly, containing information as to the committees and general organization for the great International Horticultural Exhibition which is to be held in London, Eng., in 1912. The dates are already fixed, being May 22 and the seven following days in 1912. The fact that the show will extend over eight days is one that will at once emphasize the importance of this event. It is forty-four years since the last great International Show, in London, and few are alive today who took an active part then. Mr. Harry J. Veitch is, I think, the only member of the executive committee of the exhibition of 1866 who is also a member of the present executive committee. He is now over seventy years of age. A sum of £13,000 was required on that occasion, yet this vast amount was secured in receipts by admission money and in other ways, and a profit remained of £3000.

The exhibition will be truly international, and we shall certainly hope to see several American firms represented. Wonderful things can be done in these days in the matter of transport, and the inducements are likely to be sufficient. Every year the reciprocity between England and America, in a horticultural sense, is more apparent and oftener evinced. We see it not only in the more frequent trips of private individuals and representatives of nursery and seed firms upon both sides (America and Europe), but in the corporate visitations of committees, like the one from Reading University (with Mr. Leonard Sutton and Dr. Keeble), but also in the projected trip of Mr. J. S. Brunton and his party next January, all being well.

America is rich, and daily becoming richer, and wants all the good things (floricultural and otherwise) that England and the continent of Europe can send and, of course, also desires to send her American goods, including plant novelties, to our side. For these and other reasons we hope to find our American friends awakening to an interest in the forthcoming great event. A press secretary, to furnish authentic and reliable information, has just been appointed, Mr. R. Hooper Pearson, who will presently be at work furnishing "copy." The show grounds cover twenty acres on an excellent site in the west of London.

Communications and subscriptions are to be sent to the Hon. Secretary of the International Hort. Ex., Royal Hort. Hall, Westminster, London.

More Random Notes

Editor The Florists' Exchange:

I was rather surprised to learn from Mr. Meehan's statement that the Euonymus is not hardy in Pennsylvania. The big tree-like bushes here, now covered with bloom and later with red berries, defy any cold we have, without the loss of a leaf. As Mr. Meehan says, it does finely near the sea, for the finest specimens to be seen, so far as health and vigor are concerned, are growing at Virginia Beach, near Norfolk, Va., in grounds less than 50 yards from the surf.

But here, while the thermometer at times shows little difference in temperature as compared with Philadelphia, things that will not live there thrive finely. And the daily reports of temperatures published by the weather bureau very often show that the thermometer registers lower in Washington than in Philadelphia. And yet things stand the Winter in Washington that do not stand it in Philadelphia. Here the Crape Myrtle attains a tree-like form, and Pomegranates are unhurt; the China tree flourishes and we have an avenue of the umbrella form of it, and I do not know of one north of here, anywhere. With the ocean near by on one side and the broad Chesapeake on the other, the cold seems modified to some exteot.

Here, right down on the bayside or the seaside, Figs grow almost as large as in Florida, while inland from the salt water they are killed back if unprotected, nearly every Winter. Years ago, I saw a Fig tree, not over 30 miles from here and right at the edge of the beach on the bay, into which two of us, grown men, climbed and sat on the limbs and ate Figs. I never saw a larger one in Florida. And yet three or four miles inland the Figs are mere bushes and need some protection. The actual reading of the thermometer does not seem to indicate the effect that the cold will have on vegetation. One morning last February the thermometer reported 3° above zero, and yet not the slightest harm was done to Pomegranates, Crape Myrtles, China trees or Magnolia grandiflora. True, it got that low but for an hour or so and rapidly warmed up the next day, and probably will not go that low again in ten years.

But on the hedge question: Why is it that the Amoor River Privet is not more used? It seems as hardy as the California, and is far more evergreen. I have planted a line 150 ft. long of it, and in the nursery here, where I got the plants, it was in full leaf all the last cold Winter. It seems to propagate as easily as the California variety, for in setting my plants I cut them back hard, and used the trimmings for cuttings, and now have a long row of these growing nicely.

I am glad to know of the hardiness of the Japonicum Privet at Philadelphia, for it is so perfectly evergreen in the Botanic Garden at Washington that it certainly will make a more handsome hedge than the California. Lucidum, with me, in North Carolina, was of a very dwarf character, and as evergreen as a Holly.

I am also glad to know of the hardiness of Cerasus Caroliniana in Philadelphia, and I will get some for planting here, where there are none at present. I wish that I had a plant of Ilex cassine for Mr. Meehan. In the dense thickets on the North Carolina coast the roots run and branch into new plants so that it is hard to get a plant from the native haunts that has a root system good enough to grow. There are plants of it in Raleigh and I will try to get seed and start it that way this Fall.

I tried in vain to grow the golden berried Holly from cuttings, and I do not think that they succeeded at the Arnold Arboretum with the cuttings I sent there; it may be that this will retain its character from seeds, which I hope to try.

Some time ago, one of my old students, now in the forestry work in the Philippines wrote that he had found on the island of Negros acres of a Wild Banana, with edible fruit full of seeds. He sent me some of the seeds, which I divided with Dreer of Philadelphia and my son at the Florida station, and now I have about 50 young seedlings, which I shall soon pot off, and hope that they will make an addition to our ornamental Musas. Mr. Meehan can have some of these if he wishes them. The same party sent me, last year, seeds of Argyreia speciosa, a fine climber of the Convolvulus family. I sent seeds of this to Dreer and some to a friend in Florida, but did not succeed in getting any here to germinate. I hope the others were more successful, as I would greatly like to get the plant.

My seedling Dahlias are blooming too early, and I fear that in this hot and dry weather one can hardly judge what the flowers should be. I have several hundreds and hope for something good. I have been asked to exhibit at the first show of the new Gladiolus Society in August, but as my Gladioli are now in bloom, in late June, I shall have none to show in August.

Salisbury, Md. W. F. MASSEY.



At the N. Y. Florists' Club Picnic the Ladies were all provided with Japanese Parasols

English Horticultural Notes

Kalanchoe Kewense superba This is a splendid plant for decorative uses, and ought to prove useful for retail work. It grows 2 ft. high, with plenty of stiff, branching flower heads of bright rose-carmine flowers. When well cultivated it makes a handsome plant. An award was recently given for it to Messrs. Veitch of Chelsea, London.

Rochford's Roses At a recent meeting of the R. H. S. in London Messrs. Rochford of Broxbourne won a gold medal for a magnificent and extensive display of trained Rambler Roses. Dorothy Perkins, Tausendschon, White Dorothy, Hiawatha, Mrs. W. H. Cutbush, Delight and Blush Rambler were the

kinds included, and most of them were trained on arches, or in some fancy form, and were about the finest specimens ever arranged in the Society's hall. The London florists are training these Roses as windmills, etc. Coquina is another fine thing. Messrs. Rochford also had well-grown plants of Richardia (Calla) Glory of Hellegom, a nice yellow, with spotted foliage. The new golden Rose, Lady Hillingdon, from Geo. Mount, Canterbury, was also greatly admired.

Sweet Peas There has been an abundance of beautiful Sweet Peas at the show since the end of May, and several awards have been made. These early flowers are from Autumn-sowu seeds which pass through the Winter without harm, and give flowers by the middle or end of May. Four that have had certificates are Marjory Hemus, rosy-lavender; Paradise Cerise, cerise-pink (both from Hemus, Upton-on-Severn); Sunproof Crimson, and Ivanhoe, lavender, from Dobbie & Co., Edinburgh.

A New Book Messrs. Duckworth, Henrietta st., London, have published a new book entitled "Diseases of Cultivated Plants and Trees," by George Marsee, mycologist at Kew, at 7s. 6d. net. It must suffice to say that it is a very complete work for farmer and gardener, setting forth all that is known of plant diseases in any shape or form, at the present day. It is a book that will be as widely read by uptodate gardeners and students in America as it will be in England, and for this reason I mention it. The work is freely illustrated. Mr. Marsee, I should say, through his position has every facility for research and the obtaining of current literature. J. HARRISON DICK.

NEW SALVIA SPLENDENS JUWEL (Jewel).—This is a cross of Züricher Zwerg and Feuerball (Dwarf of Zurich and Fire Ball); of the first it has inherited the short, compact habit, and of the second the deep green, strong foliage, while its panicles are longer and thicker than those of either of the parents. This difference is very striking, and is seen even while the plant is quite young. It supersedes Dwarf of Zurich, which has been until now the most dwarf variety, and even the somewhat higher variety Zurich. Jewel is an ideally beautiful fiery red Salvia for grouping. It was originated by O. Kowalski, of Burg, near Magdeburg, Germany, in whose houses it bloomed for the first time last year.—*Moeller's.*

ARCTOTIS GRANDIS.—This is recommended in Moeller's as an especially fine annual for cut flower purposes. The flowers are white with light blue center, and lavender on the underside. They are about 2½ in. across and rise on a wiry, slender stem, free above the whitish green leaves. The plant grows to a height of about 28 in. It is especially suitable for fine flower pieces and vases where delicate blue effects are sought. The flowers are very lasting and will keep for a long time fresh in water. It was brought to Germany from German Southwest Africa a few years ago.

Publishers' Announcement

We take great pleasure in announcing the fact that we now have in our hands, for early publication, the manuscript of a comprehensive work on "Fruits and Vegetables Under Glass" from the pen of Wm. Turner, the celebrated authority in America on these lines. We expect to issue the book this Fall. It will be thoroughly illustrated.

Obituary

Seth M. Pease

The death of Seth Monroe Pease occurred at his home at Avon, N. Y., June 27, 1910, after an illness of several weeks. Mr. Pease was born at Hamlin, N. Y., in 1841. As a young man he was in the employ of Briggs Bros. and, later, of Hiram Sibley & Co., seedsmen, Rochester, N. Y. For the past twenty-seven years, however, he has been identified with the Cleveland Seed Co., formerly of New York City and Cape Vincent, N. Y, but since 1904 of Avon, N. Y.

Henry Cannell, Jr.

The firm of Henry Cannell of Swanley, England, has suffered another severe loss, for of the three sons only one now survives. Henry Cannell, Jr., who was 49 years of age, was recently kicked upon the arm by his favorite pony. Blood poisoning supervened, and despite all efforts he passed away, leaving behind two children and his aged parents and one brother to mourn his loss. The deceased was the literary genius of the firm, all the catalog work, etc., emanating from his pen. It is feared that his aged parents, who have both been ill recently, will suffer from this terrible blow. The whole work of the great business is now thrown upon the surviving son, Mr. Cannell, Sr., having reached an age which compels an almost cessation of work. T. A. WESTON.

J. W. Dudley

J. W. Dudley, the senior member of the firm of J. W. Dudley & Sons, Parkersburg, W. Va., passed away on Sunday, July 3.

Mr. Dudley was 69 years of age and a native of Oswego Co., N. Y., his family removing to Parkersburg, W. Va., in 1852. He had been in the greenhouse business practically all his life—first with his father, and later with his brother Lysander, the firm then becoming J. W. Dudley & Sons and the business the most extensive of the kind in West Virginia. Mr. Dudley was active in politics and served two terms as sheriff.

Mr. Dudley was twice married and many children survive him. He was devoted to his family, kind and generous, and a staunch church member. Interment was at Mt. Olivet Cemetery, July 5.

Thomas W. Dee

Thomas W. Dee died of heart disease at his home, 223 Brattle st., Cambridge, Mass., on July 2, at the age of 73. Before his retirement from active business a few years ago he had been for 30 years one of the leading florists of Cambridge, his place of business in front of the Mount Auburn Cemetery being well known. He had formerly been connected in business with Thomas Galvin and William E. Doyle.

Mr. Dee was born in the Portsmouth navy yard while his father was serving in the navy. He was himself at one time assistant engineer in the navy. He leaves one daughter, Mrs. Jeremiah Gearan.

Bernard Schramm, Jr.

Bernard Schramm, Jr., of Toledo, O., member of the firm of Schramm Brothers, florists, died at 2.30 o'clock, Friday afternoon, at his residence, 816 George st., after an illness of only 12 hours of intestinal trouble. He was at work in the greenhouses the day preceding his death and was taken suddenly ill in the night. He was the son of Bernard Schramm, one of the veteran florists of the city, and had lived all his life in Toledo. He was 31 years of age and leaves a wife, two children, his aged father, a brother, Charles, with whom he was engaged in business, and four sisters.

He was a member of Court Columbia, No. 59, Foresters of America.

Louis A. Smith

Louis A. Smith, a prominent florist of Wheeling, W. Va., died on June 27, at his home, No. 600 South Huron st., in that city. Mr. Smith, who was 48 years of age, was the son of Mr. and Mrs. John Smith, pioneer residents of the Island. He was born on May 4, 1863, at the old Smith homestead and resided there all his life. His father was one of the best known gardeners of this section. After completing his early education the deceased continued to reside at home and about 20 years ago established a greenhouse and general floral business. In this he was very successful and the firm rapidly became the largest of its kind in the city.

Mr. Smith was married in 1891 to Miss Jennie Cowl, of Wheeling, and to the union was born one son, Robert, aged 16. The sterling worth of Mr. Smith was known throughout the city and vicinity and he numbered his admiring friends by the hundreds. His wife and son survive him.



"Those Present" at the N. Y. Florists' Club Picnic at Witzel's Point View Island, June 28, 1910.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Fig. 35 shows a greenhouse, 32 ft. wide, constructed with three hotbed sash on each side of the ridge. In presenting this house it is not to be considered that we recommend a house being constructed in this way, but we show what has already been done in the way of constructing a greenhouse with hotbed sash on hand.

Figs. 36 and 37 show an outside and inside view of a greenhouse constructed in this manner by a grower who had a quantity of hotbed sash, previously in use in connection with frames; and having experienced considerable difficulty in handling his crop in this way, he erected a house as shown. The object was that in the Summer time the sash could be easily removed and the crop grown on in the open. Other growers, who have a quantity of hotbed sash on hand which they have been using in connection with hotbed frames, can effect a great saving in labor and achieve much better results by raising the hotbed sash in a similar manner. However, if it is desired to erect a house of this width from new material it would not pay to purchase hotbed sash and construct the house this way, unless the object was to construct a roof over a piece of ground which could be easily removed and replaced, as for a greenhouse of these dimensions, for the use of a florist in producing a first-class crop, much better results could be obtained from money expended in the purchase of material for a regular permanent greenhouse. For the benefit of those who already have the hotbed sash on hand, and who are desirous of using same in this way, we give the particulars necessary for the construction of such a house.

The roof of this house is constructed with a pitch of 5 in. to the foot, which is exceptionally low, and therefore is not as desirable, as far as light is concerned, as a roof constructed with a pitch of 7 in. or more, but is superior in this respect to the ordinary hotbed sash and frame which is generally constructed with a pitch of about 1½ in. to the foot.

In the structure illustrated the eaves of the house are constructed at an elevation of about 2 ft. above the grade. Such a structure is chiefly used for growing the crop on the ground, but, in some instances, in such a house raised beds are used in the center and the crop grown on the ground at the sides, as will be seen from illustration Fig. 37. However, each grower could decide this matter in accordance with the requirements of his particular crop.

The sides of the house are constructed with 3 in. x 3 in. posts, "A," composed of Locust, Chestnut, Cedar or Cypress, the bottom of which should be placed in the ground low enough to come below frost line, or to hard pan. These 3 in. x 3 in. posts are placed about 6 ft. apart, and an intermediate post, of smaller dimensions, is placed between same. It is advisable, as before stated, to treat the ends of the posts which go in the ground in some way to assist in preventing deterioration. The sides of the house are constructed similar to others already described in previous constructions, with sheathing "G," and asphalt paper "H." In this instance, eave plates "B" are composed of 2 in. x 3 in. Cypress, and are nailed to the top of the posts "A."



Fig. 36 Exterior of House Constructed with Hotbed Sash

The construction of the ridge shown is the same as used in constructing the house illustrated in Figs. 36 and 37, and consists of a 1½ in. x 2 in. piece of Cypress, "D," secured to a 1¼ in. pipe extending the full length of the house, and to this piece, "D," is nailed the top rail of the hotbed sash, over which are placed the two pieces of Cypress shown at "E," one piece 4 in. x 1 in. and the other 2½ in. x 1 in., beveled off so as to fit, and these are securely nailed to the top rail of the ventilating sash. While this makes a cheap and secure connection at this point, we do not consider it as good as the ridge connection shown at Fig. 38, which we will consider later.

Between the roof and the eaves plate are shown two kinds of purlins. The purlin at "F" consists of a piece of 2 in. x 4 in. Cypress, the top of which is planed off to the required angle and extends the full length of the house. To these purlins is secured the column cap, "K," by means of lag screws. This column cap may be a threaded flange, which can be purchased from any manufacturer of steam pipe fittings, but it will necessitate the threading of the pipe column, which could be avoided by the use of a split cap. A larger illustration of this type of cap is shown in Fig. 39. It will be seen that this consists of a casting made in two halves, which are clamped together over the column by a bolt passing through the center, making an absolutely secure joint without the necessity of threading and giving a thorough support for either a wood purlin or ridge.

On the other side of the house is shown a wooden purlin, "F-2", made from 2 in. x 1½ in. Cypress and secured to the 1¼ in. pipe purlin by means of lag screws passing directly through the pipe. These 1¼ in. pipe purlins are in turn secured to the pipe columns by means of tees, "T"; this is the best and most durable construction. Tees, "T," may be either the regular cast, or malleable iron-threaded tees, in which latter case it will be necessary to cut the 1¼ in. pipe purlins and thread the ends, and also thread the top of the column. This necessitates considerable labor, which could be avoided by the use of split clamp tees manufactured for this purpose.

Figs. 40 and 41 show larger views of the clamp tees connecting the column to pipe purlins. Fig. 40 shows a tee made in two pieces and secured with one bolt passing through same. Fig. 41 shows a better style of tee known as "Grip Tight," which is constructed with two bolts. These bolts are located so that the edge of the bolt comes close to the edge of the pipe, thus admitting of their being screwed up much tighter at the point where most required, and for this reason they are more desirable than a single bolt fitting.

In the case of the wood purlins, "F," where they are joined together, the joints should be made with a long splice, well leaded and firmly nailed together and column placed beneath each, the columns not over 8 ft. apart.

In the case of the wood purlins, "F-2," resting upon the top of the pipe, it does not matter so much where the splice is located, but this splice should also be made long and leaded and firmly nailed, and the columns in this case should not be placed over 8 ft. 6 in. apart.

In the house illustrated in Figs. 36 and 37 the sash is securely nailed to the eaves plate "B" and purlins "F," "F-2" and ridge piece "D." It will, therefore, be seen that with this construction it is impossible to operate any of the sash for ventilating purposes. To secure adequate ventilation with this construction it would seem to be necessary to make movable panels in connection with some of the sash, but this method is not desirable, a much better arrangement is shown in Fig. 38 before referred to. In this arrangement the ridge, "D-1," which is made from 2 in. x 2 in. Cypress, on top of which is placed cap "R-1" made from 3 in. x 1¼ in. material, is secured to the 1¼ in. longitudinal pipe by means of lag screws passing directly through same, and each alternate

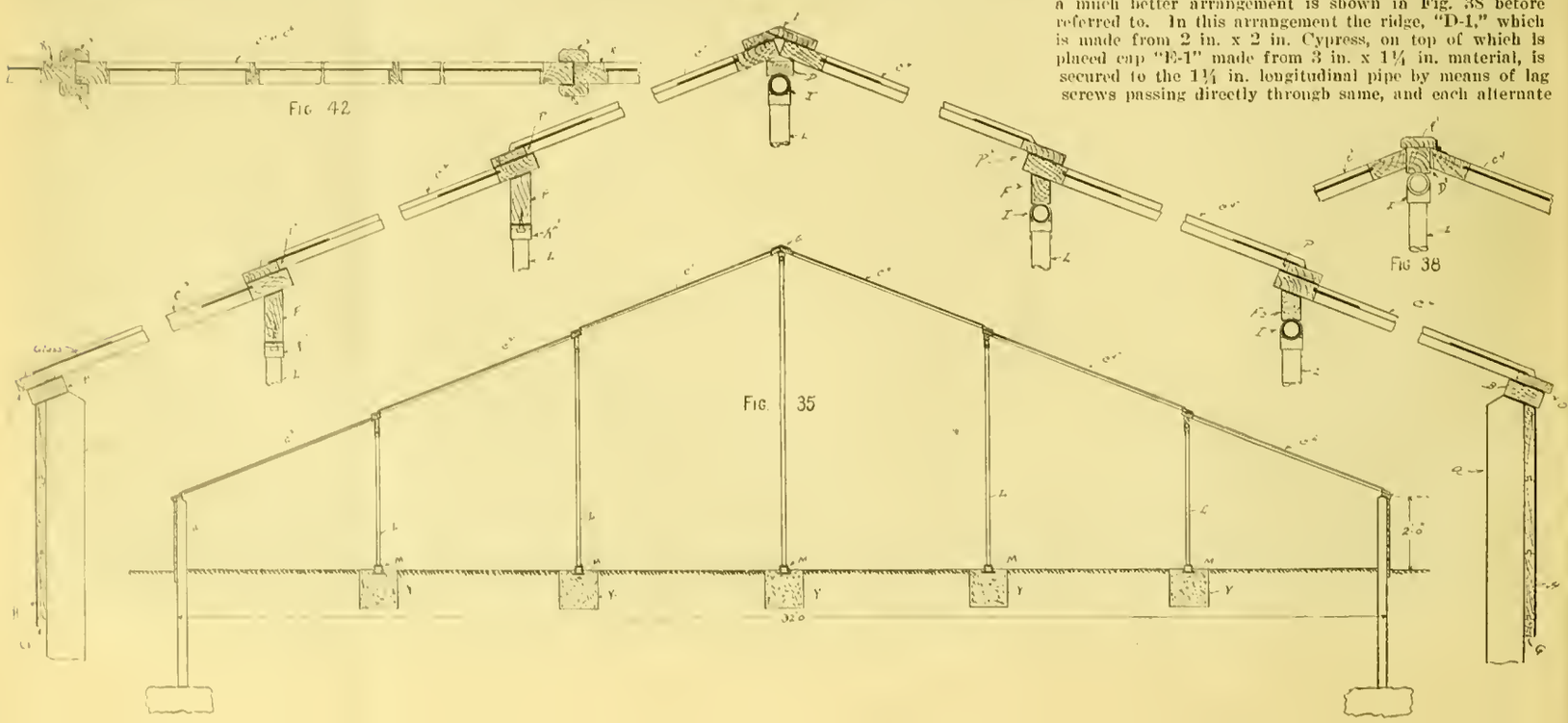


Fig. 42

Fig. 38

Fig. 35



Fig. 37—Interior View of House Constructed with Hotbed Sash

sash is secured to the ridge cap by means of two galvanized iron butts with brass centers, the top rail of this sash being planed off at the proper angle to meet the ridge as shown. This makes a very satisfactory arrangement, as the alternate sash hinged to the ridge cap can be opened as required for ventilation. Should it be found desirable to ventilate the sides of the house, this might be accomplished by arranging each alternate sash, "C-3" and "C-6" as shown in Fig. 42.

It will be seen from Fig. 42 that to the side rail, "R," of each alternate sash is secured a strip, "S," made from 1 in. x 2½ in. Cypress, a piece of this character being secured to both the top and the bottom of each side rail and the sash io between allowed to slide. This will permit of the sash sliding down the side of the house a sufficient amonnt to give the desired opening for ventilation. This method of ventilating a sash house is very convenient and is frequently used, but necessitates going outside the greenhouse for opening and closing, therefore, for this reason many prefer the push rod with the hinged sash.

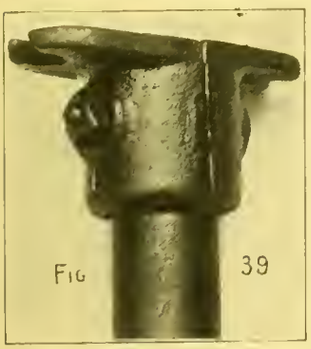


FIG 39

Where the fixed sash come together there should be used the nailing strip "S" as shown in Fig. 27 in a previous article. This prevents leakage through the joint between the two sash. As before stated, where these strips are put in place, or any other parts of the woodwork are nailed permanently together, they should be thoroughly white leaded before being secured in position.

The columns, "L," which support the roof purlin, are constructed of pipe, the two side columns being 1 in. and the center column 1¼ in. pipe. It will be noticed at "P-2" that the bottom rail of the sash "C-4" laps the top rail of sash "C-5" in such a manner that the upper edge of the bottom rail is higher than the edge of the top rail of sash "C-5." This is the method which is generally employed in placing sash when used for such a purpose, but the result is that the water of condensation from the underside of the glass flowing down drops from the top edge of the bottom rail. Where the sash is lapped at the other points, "P," the bottom rail is carried below the top rail, so as to form a channel in which the water of condensation from the underside of the glass collects, and, as stated in a previous article, by grooving the underside of the bottom rail the water is allowed to pass directly outdoors. The same provision is made where the bottom rail rests on the eaves plate "B."

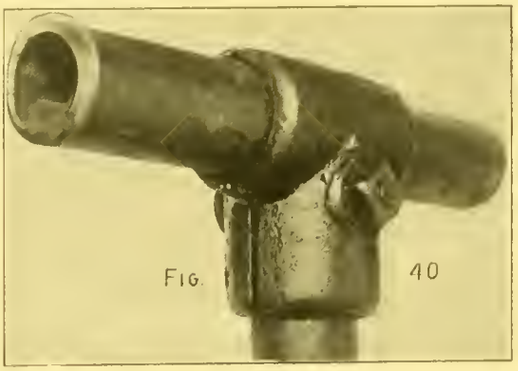


FIG. 40

The gable of this house may be formed by matched sheathing the same as the sides, but owing to the width of the house it will be necessary to place wooden posts at intervals extending from below grade to the edge of the

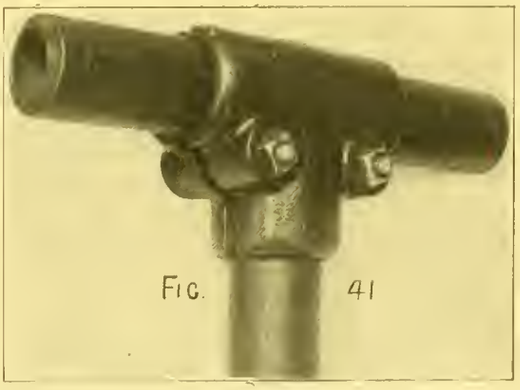


FIG. 41

roof sash. However, if a house of this character is intended to be used as a permanent structure it is much better to use solid glazing in the gable above the eaves plate line, owing to the size of the house, as there would be considerable light lost by boarding up the end. Fig. 43 shows a gable constructed in this way.

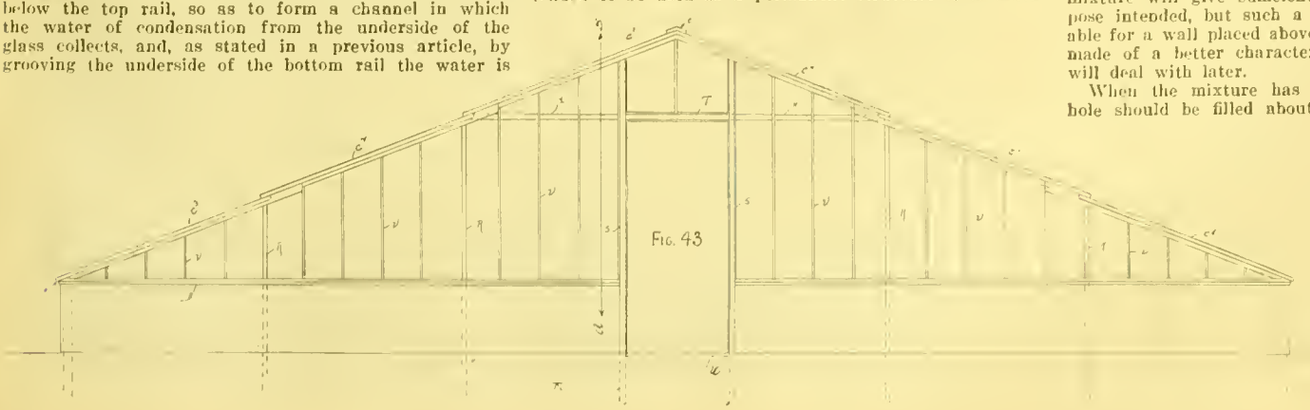
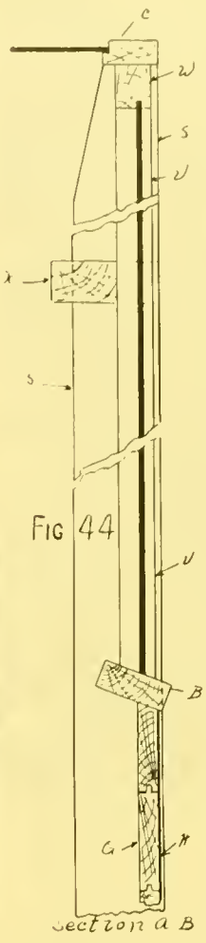


FIG. 43



Section a B

FIG 44

It will be seen there are four uprights, "R," extending from below grade to the line of the roof sash. These are composed of 2 in. x 3 in. Cypress and in the center of the gable is two 2 in. x 4 in. door jambs, "S," with header, "T," and sill, "W," both of which are made from the same size material as the door jambs.

Extending from the door jambs to a point where the 2 in. x 3 in. uprights, "R," meet the sash are two end purlins, "X," made of 2 in. x 3 in. Cypress. These are firmly nailed to the door jambs and to the woodwork in connection with the roof sash.

The eaves plate, "B," at the sides, is carried round the gable shown at "B" on the same angle, and extending from this sill plate "B" to the special header "W" are end bars, "V," made from 2 in. x 1½ in. Cypress the same as shown at Fig. 32 in a previous article. These end bars may be placed for any width glass desired, but they are shown in the drawing placed for 12 in. wide glass.

Fig. 44 shows a section, "AB," through the end of the gable. In this will be seen the special header "W," which is made from 2 in. x 1½ in. material and is firmly secured to the side style of the end sash of roof. To this header is firmly secured the end bar "V," which extends to the sill "B," to which it should be securely nailed. Where the end bar "V" crosses the end purlin "X" it should be securely fastened to same. The portion of the gable below plate "B" is constructed the same as the sides of the house. As before stated, if it is desired to construct the gable without glass, sheathing and paper may be extended from the grade to the roof sash and secured to the 2 in x 3 in. Cypress post "R" and to the door jambs "S."

In erecting this house the ground should be leveled, and guide lines placed and squared as described in a preceding article. In addition to this, it will also be necessary to locate the centers of the columns for the support of the purlins and ridge. As previously mentioned, if an all wood purlin similar to "F" is used the columns should not be farther apart than 8 ft., and in the case of the combination wood purlin, "F-2," and 1¼ in. pipe it should not be over 8 ft. 6 in. When these points are located on the ground a space about 12 in. x 12 in. and 12 in. deep should be excavated to admit of constructing the concrete pier, "Y," which should be placed for supporting each of the columns. If the ground is soft-filled earth this pier should be carried to hard bottom.

A good mixture for concrete piers is one part Portland cement, two parts sand and four parts broken stone. A cheaper mixture, and one which will probably prove equally satisfactory where it is placed in the ground, may be made of one part Rosendale cement and four parts ashes. The best ashes are found in the coarse residue from the fire of a steam power boiler from which the fine ashes have been removed by sifting. This mixture will give sufficiently good results for the purpose intended, but such a mixture would not be advisable for a wall placed above the ground, which should be made of a better character of material, a question we will deal with later.

When the mixture has been made, the 12 in. deep hole should be filled about half or two-thirds full and allowed to set, and then the column base "M" placed in position, with the columns secured in same; and when the column has been located exactly, and perpendicular, the balance of the concrete may be filled in, thus giving an absolutely secure footing for the column.

We will next take up the consideration of the regular types of greenhouse structures.



Mrs. E. M. Gill, Florist, Medford, Mass.

The photograph was taken by R. Cameron on Mrs. Gill's 80th birthday in her own garden amongst her Roses.

Mrs. E. M. Gill

A large company of friends gathered at the home of Mrs. E. M. Gill at 28 Ashland st., Medford, on Tuesday, June 28, to take part in the celebration of her eightieth birthday anniversary. There was a large delegation from the Massachusetts Horticultural Society and the secretary of the Society, William P. Rich, presented to the estimable lady a life membership certificate, which entitles her to all rights and privileges in the Society. He also presented her with a purse well filled with gold coins, given by some of the prominent and active workers of the Society, who know best what this octogenarian has done for it. Mr. Rich spoke very appreciatively of what Mrs. Gill had done for horticulture in Boston and vicinity in the past half century, and what she was still doing, and how she was loved and cherished by all the members.

Mrs. Gill has been an annual member of the Mass. Hort. Soc. for forty-five years and has been an exhibitor through this long period of time. She has also been a staunch supporter of the Gardeners and Florists' Club and on March 22 of this year the Club made her an honorary member. She has a lovely, old-fashioned garden and has three greenhouses, well stocked with plants, and does a good home business.

Mrs. Gill is hale and hearty yet, and is preparing now to enter in some of the classes at the big exhibition of the S. A. F. next March. Her artistic ability in arranging flowers is not to be equaled by any in this vicinity.

She has a beautiful home, which was generously decorated for the occasion with Roses and other suitable flowers, and the guests and friends brought many handsome gifts as expressions of their regard.

Our sincere wishes are that this grand old lady, who has been close to Nature all her long life, will live to see and enjoy many more happy days among her beautiful plants and flowers, and remain long among her friends and neighbors to enjoy a continuance of their affectionate regard. R. C.

Among the Growers

AUBURN, N. Y.

Messrs. Dobbs & Sons' Plant

In my Auburn notes of June 11, page 1083, mention was made of some innovations at this place and I have since been favored with some photographs. Messrs. Dobbs & Sons are well pleased with the result achieved, and the help particularly appreciate the billiard table which has been installed in the office building, and take greater interest in their work. To my mind it preaches a mighty good sermon to all employers.

A new King Construction Co. house, 150x50 ft., is heated with hot water and equipped with a Hunnewell generator, which gives plenty of steam heat when required. There is also a Youell heat regulator which maintains an even temperature of 52° in the coldest weather; the fire is banked at 6 p.m. and is not looked at again until 6.30 a.m. (and by the way it is pretty cold in Auburn, often 20° to 30° below zero). The firm is highly pleased with their heating plant.

Carnations are a specialty here, the varieties most largely grown are Lady Bountiful, White Perfection, White Enchantress, Beacon, Victory, Harlowarden, Enchantress, Rose Pink Enchantress and Lawson. The firm contemplates erecting more houses this Summer to meet the increasing demand for flowers. H. Y.

OZONE PARK, AQUEDUCT, WOODHAVEN, L. I., N. Y.

It is noticeable that, without any exception, every florist in Ozone Park, Aqueduct and Woodhaven grows Carnations, and some of them Carnations exclusively. Furthermore, while all grow certain standard varieties, the number of varieties grown is quite large. It is noted, also, that all, or nearly all, either own or rent a piece of the fertile meadow land, where they grow their young plants, and that the plants in this section, as far as observed, are very forward, and are looking well and can be housed early. Again, the nature of the soil, which might be described as a dark sandy loam, is such that it can be worked soon after a rain, and the young plants can be lifted with the loss of very few roots.

Not a few of the florists of this section used to grow vegetables under glass, but when Southern vegetables began to take possession of the New York markets, they very wisely abandoned vegetable forcing and became florists.

Steam heat is used in a larger per cent. of the greenhouses here than in any other section visited. The greenhouses themselves are, for the most part, houses in good repair, and there are manifest signs of prosperity.

Albert Boos, Aqueduct

Mr. Boos has four houses, 7000 ft. of glass, erected by A. Dietsch Co., with steam heat, and raised benches. He grows Carnations only, using the varieties pink and white Enchantress, Beacon, Winsor, Lord and Crimson Glow. Mr. Boos, as well as some other growers, is trying in his benches the rich meadow muck, mixed with the very sandy loam of this section, and obtains good results. The products of this range are sold at the N. Y. Cut Flower Exchange.

G. Mulhauser, Woodhaven

Mr. Mulhauser's range consists of nine houses, built by S. Jacobs & Sons, and three more houses, each 15 x 45 ft., now being erected by the same builders. Pink and white Enchantress, variegated and pink Lawson, Winsor, Lord, Queen, and Vesper Carnations are grown in eight houses of this range, and next season Victory and Beacon will be tried.

One house is used for 'Mums, the varieties being Maud Dean, Golden Glow, President Roosevelt, Halliday, Ivory, etc. These are followed by bedding plants. The products of this range are sold at the N. Y. Cut Flower Exchange, and at the Brooklyn retail stores.

Charles Iffinger, Ozone Park

Mr. Iffinger has four houses, heated with hot water, with about 5000 sq. ft. of glass. Carnations are grown in two houses, and in the remaining two Geraniums and a general line of bedding stock. Mr. Iffinger sells his plants direct to retail trade in Brooklyn, and his flowers, partly to Laird of Brooklyn, and partly direct to general trade from the greenhouses. Among other well-grown plants here is noted a nice lot of Phlox Drummondii with its many bright colors.

Henry Brockman, Woodhaven

Mr. Brockman has three houses, embracing about 6000 sq. ft. of glass, erected three years ago by A. Dietsch Co. They are steam heated and have raised benches. Carnations are grown in all three, the varieties being white and pink Enchantress, variegated Lawson, Lord, and Crimson Glow. The two latter are to be discarded and Mrs. C. W. Ward and Winsor will be grown next season. The flowers are sold at the N. Y. Cut Flower Exchange.

Mr. Brockman is a very large raiser of vegetables also, which he markets in New York City.

John Reimels, Woodhaven

Mr. Reimels has been 31 years on his present estate, and was born not far away, in the old family house. His range consists of ten houses, with 35,000 sq. ft. of glass. He is now having a new house erected, 28 x 125 ft., by the King Construction Co. Steam heat is used, and raised concrete benches of the slab style are used throughout.

Carnations only are grown at this range, the varieties being pink and rose pink Enchantress, Welcome, Winsor, Winona, variegated Lawson, Lord, and three of Mr. Reimels' own seedlings, one red, one white, the other pink, which last is large, somewhat fringed, and especially attractive. Mr. Reimels will try next season Mrs. C. W. Ward, Pink Delight, and Dorothy Gordon.

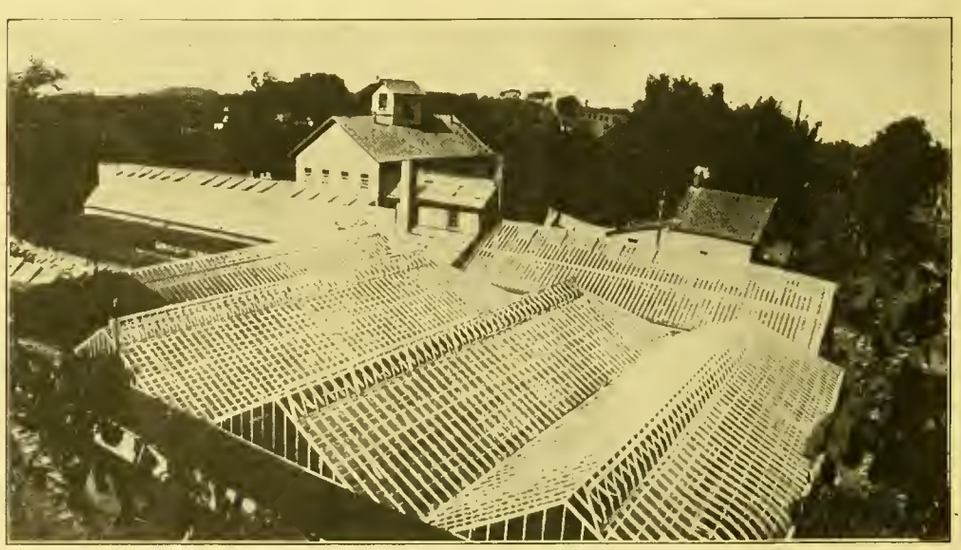
Outside an acre of Early Asters is grown. The product of this range is sold at Mr. Reimels' stand at the N. Y. Cut Flower Co.'s quarters.

Henry Reimels, Woodhaven

Henry Reimels, brother of John Reimels, lives a few hundred yards from his brother on the old family place, where he was born fifty-one years ago. He has four large greenhouses, with 15,000 sq. ft. of glass, heated with hot water, and furnished with raised wooden benches. In all of these houses Carnations are grown, the varieties being Gov. Wolcott, Beacon, Queen, Crimson Glow, Lord, Winsor, pink and white Enchantress, and variegated Lawson. The young Carnation plants in the meadows are looking very fine and they will be ready to house early in July. The blooms are marketed with those of his brother, John Reimels, at the N. Y. Cut Flower Co.'s quarters.

E. L. Enggren, Aqueduct

Mr. Enggren's range consists of eight substantial steam heated houses, A. Dietsch Co. construction, 14,000 sq. ft. of glass in all. Part of the benches are what is known as round tile benches, which are built of concrete with a round tile bottom, and the remainder are what may be termed slab concrete benches; the supports



The Dobbs & Sons' Range, Auburn, N. Y.



Dobbs & Sons, Auburn, N. Y.
Office Building and New Greenhouse

beneath are concrete, and on them rest concrete slabs, and the concrete edge is placed on separately.

Pink and white Enchantress, Lord, Beacon, Crimson Glow, variegated Lawson and Winsor Carnations are grown in all of the houses; also a seedling Carnation nearly the color of pink Lawson. M. Matheron, formerly with the Cottage Gardens Co., but now in business for himself at Baldwin, L. I., will try about 2000 of this new seedling this year. Lord and Crimson Glow will be thrown out this season, and Mrs. C. W. Ward will be tried. Mr. Enggren constructed his own houses, and sells his own flowers at the N. Y. Cut Flower Co.'s quarters. His houses are in first-class shape and he will now begin throwing out his old plants and housing his new ones.

Joseph M. Schwarz, Aqueduct

This range of greenhouses, four in number, about 5000 sq. ft. of glass, now owned by Mr. Schwarz, was formerly the property of F. Ryder. They are steam heated, and the bench system is used. Two of them are used for growing Winsor, Lawson, Afterglow, Boston Market, and pink Enchantress Carnations. The remaining two are used for Geraniums, which are followed by Asters, and these by 'Mums. One bench of Sweet Peas is grown. Some English Ivies, Hydrangeas, and Asters are growing outside, and a considerable number of young Carnation plants in the meadows.

George Donnelly, Woodhaven

This establishment was originally run by Mr. Donnelly; later Mr. Wakefield became a member of the firm, but Mr. Wakefield died last Autumn and on Jan. 1 last Mr. Donnelly again took over the whole business. The range consists of nine houses, 15,000 sq. ft. of glass, heated by hot water. Benches are used, except in two houses, where the stock is planted directly in the soil on the ground level. Seven houses are used for Carnations, of the varieties Lord, Boston Market, Queen, variegated and pink Lawson, and Enchantress. Other varieties will probably be tried this season instead of Lord and Queen. The plants are still in good condition and are growing a heavy cut of blooms. In bedding stock are grown 20 000 Geraniums, 15,000 Alternantheras, 6000 Begonia Vernon, etc. After the Geraniums are over, one house, 20 x 155 ft. is used for 'Mums, and after the 'Mums, Stocks are grown.

Outside, half an acre of Queen of Market Asters, half an acre of Late Branching Asters, a quarter acre of Sweet Peas, one-sixteenth acre of White Candytuft, and one-eighth acre of stock Geraniums are grown; also 5000 mixed Gladioli, and 1000 clumps of white Dahlias; 25,000 young Carnation plants are growing in the meadow land.

Cypress Hills and Cypress Hills Cemeteries, and the peddlers take all the potted stock right at the greenhouses, and the cut flowers go to Wm. H. Kuebler, Brooklyn, N. Y.

F. Grumbach, South Ozone Park

Seven acres of land, on which are situated ten greenhouses, with about 25,000 sq. ft. of glass, comprises the estate of Mr. Grumbach. Five of these houses are used for young Carnations. The varieties used are pink and white Enchantress, Victory, Lord and Queen. 'Mums are grown in four houses, among the varieties used being Polly Rose, Halliday, Enguehard, Jeanne Nonin, Maj. Bonnaffon, Jones, Virginia Poehlmann, Appleton, and Alice Byron. Both solid beds and benches are used in growing the Carnations and 'Mums. The houses are heated by hot water.

After the 'Mums are finished a variety of bulbs are planted, of which Mr. Grumbach imports about 150,000, including Narcissus, Freesias, Hyacinths, Tulips, and Lilium giganteum, from which latter he recently cut 2500 blooms in one day. About 2000 potted Roses are grown for Spring trade, and 50,000 Geraniums, 5000 Salvias, etc. A wholesale and retail trade on the place takes the potted stock, and the flowers are sent to his stand at the N. Y. Cut Flower Exchange, and to Brooklyn stores.

Outside are grown three-quarters of an acre of Peonies, an acre of Queen of the Market Asters, and an acre of Gladioli; of the latter Augusta May and America are the chief varieties.

D. H. Laney, Woodhaven

Seven houses, with 12,000 sq. ft. of glass, make up Mr. Laney's establishment. Two houses are used for growing Carnations. Smilax is also grown, and Callas. A good deal of attention is paid to bedding plants, especially Geraniums. Large numbers of Freesias are grown in the Winter, and of Azaleas for Spring trade. Besides the care of his own greenhouses, Mr. Laney is private gardener also on the Florian Grosjean estate. He is one of the old time gardeners and florists. Born near Southampton, England, in 1842, he was first employed by Squire Wayne, who after six years sent him to his son-in-law, Lord de Rozel, on the island of Jersey, where he was living at the time when the Kearsage sank the Alabama off the French coast. After about seven years in Jersey he returned to England, and worked for McQuaid & Lang, who sent him a little later to work at Buckingham Palace, where he was when the Sultan of Turkey first visited London. Later on, Mr. Laney worked for Tourqual, then for Gen. Filder. After this, he emigrated to America, in the Spring of the year when the great Chicago fire occurred, and went to work for D. B. Wesson of Springfield, Mass., remaining there ten years, coming to Woodhaven from that place to work as private gardener for Mr. Grosjean, where he has been 31 years. Mr. Laney, who by the way, always visits the Florists' Exchange office once a year to renew his subscription, is now a hale and hearty man of sixty-eight years, whom it is a pleasure to meet.

Peter Wenk, Ozone Park

Seven houses already erected, and two more building, each 10 x 135 ft., in all 17,000 sq. ft. of glass, and 1200 hot bed sash, on two acres of land well situated, make up the establishment of Peter Wenk. System, neatness, and good culture characterize everything connected with this range.

Carnations are grown in four houses during the Winter, a specialty being made by Victory; but pink Enchantress, and Queen also receive much attention. The Carnation plants are largely thrown out in February to make room for bedding plants.

One house is used for growing the broad-leaved English Ivy in pots, and two houses for Lilium giganteum, Azaleas, etc.

Much attention is given to bedding plants, among which are grown 30,000 Geraniums, chiefly Ricard, Poitevine, Mad. Jaulin, Jean Viaud and Montmort, which number is found too small to supply the demand; 5000 Begonia Vernon, 3000 Heliotrope, 2000 Fuchsias, and 4000 Ageratums. Mr. Wenk makes a specialty of Pansies, growing, under sash, upward of 150,000 plants. The different varieties are for the most part grown separately, and he largely saves his own seeds.

Fifteen to twenty thousand dwarf Asters, in fifteen different colors, are first transplanted from the seed bed into the open ground, and then after becoming stocky they are transplanted into pots and sold for cemetery use. Queen of the Market Asters are grown outside for cutting.

Particularly noteworthy is a very promising seedling Geranium which is described in another column of this issue.

Many of the plants are sold for use at Greenwood Cypress Hills and Holy Trinity cemeteries, and the cut flowers are sent to Schaeffer at the Coogan Building, New York City.

The representative of the Exchange is indebted to the courtesy of Mrs. Wenk for a much relished, substantial dinner at the family board, around which was gathered the really most interesting and valuable crop on the place, namely, three bright faced sons, and one pretty daughter, Peter, Esper, Louis, and Dina, all now in school, and all the boys going to be florists some day. After dinner a ride behind Mr. Wenk's fine seven year old bay horse to the establishments of several of his brother florists was both helpful and refreshing.

William H. Elliott's New Mansion

The house opening and reception at William H. Elliott's, Brighton, Mass., on the evening of June 29, was an occasion to be long remembered by his friends. It was a remarkable gathering, where old and young to the number of three hundred and sixty, came to extend their congratulations and to see this fine new mansion which has been underway for some time. The weather was all that could be desired and the guests came in grand attire.

In the receiving line were Mr. and Mrs. Elliott and Mr. Elliott's mother. We were especially pleased to meet and shake hands with the latter, who is a remarkably bright and clever woman when it is considered that she is eighty-four years old and hale and hearty yet.

From the receiving line each person was ushered into the spacious dining room where everything that is good for the inner man was supplied in generous quantities. Music was furnished during the evening by a fine orchestra.

The mansion is one of the most complete and elaborate florists' homes in this part of the country. We examined the house from the cellar to the attic and we were pleased to see large square rooms in every part of the house. Every modern improvement and invention known to science and art has been applied to the building and making of this handsome structure.

The site is one of the most pleasing that can be found anywhere near Boston. The house is built on the very highest summit of Nonantum Hill which gives a beautiful view all along the Nonantum Valley. The Nonantum Lake, a pleasing sheet of water, is located at the foot of the hill, and its placid water can be seen at all times from the mansion.

The ground on which the house stands is of historic interest. Right here the Nonantum tribe of Indians used to roam at will and kill the wild animals in the wood for their food and catch the fish in the lake. It is a curious coincidence that John Elliott, the apostle to the Indians, used to preach and talk to the Nonantum Indians on the very place where Mr. Elliott has erected his house. Little did the reverend gentleman think that one day, when all the Indians were quietly resting and sleeping under the grass, one of his descendants would own and build a most beautiful home on this sacred ground.

Mr. Elliott owns thirty acres of land and about the new house has laid out three acres in pleasure grounds. The lawns are graded beautifully and in their preparation the most important of the large trees were spared;

(*Concluded on page 62*)



William H. Elliott's New Mansion, Brighton, Mass.

The National Sweet Pea Society of America

The second annual exhibition and convention of the National Sweet Pea Society of America will be held at the St. Nicholas Rink, 66th st., near Columbus ave., New York City, on Tuesday and Wednesday, July 12 and 13. The building is centrally located, and easily reached by the Ninth ave. elevated road or the Subway, to 66th st. Entries for the exhibition will be received up to 10 o'clock on the first day, and all exhibits must be staged by 12 o'clock. All flowers exhibited must have been grown outdoors, and are to be staged in vases provided by the Society. With very few exceptions the classes are open to all. Exhibits should be addressed in care of Harry A. Bunyard, secretary, St. Nicholas Rink, 66th st., near Columbus ave. The judges will be W. T. Hutchins, W. C. Kerr, Prof. A. C. Beal and Wm. Sim. The following is the

Schedule of Prizes

The Society suggests that an ideal bunch of Sweet Peas in the vases supplied by the Society consists of not more than 25 sprays. The judges will be instructed to regard the overcrowding of a vase as a fault. The Sweet Pea foliage can be used with the flowers unless otherwise specified. Wiring the flowers or stems will disqualify.

Class 1.—President Harry Turner's Cup, value $25. For best 25 vases of Sweet Peas in 25 varieties.

Class 2.—The W. Atlee Burpee Cup. For the finest and largest collection of Sweet Peas.

Class 3.—The W. Atlee Burpee Prize. For the best vase of waved or Spencer type Sweet Peas introdueed 1910. First, $5; second, $3; third, $2.

Class 4.—Arthur T. Boddington Prize, a silver "Challenge Cup," value $50. For a collection of Sweet Peas, 25 varieties, not less than 25 stems to a vase, to be shown with Sweet Pea foliage only. To be won twice by the same exhibitor. Mr. Boddington will also award to the winner of this cup (each time won) a eash prize of $25, also $15 second prize and $10 third prize.

Class 5.—Rawson's Silver Gilt Medal. For vase of Sweet Peas never before exhibited or disseminated, of Ameriean origin.

Class 6.—Rawson's Silver Medal. For best 25 vases Spencer or Unwin types; open to the trade only.

Class 7.—Rawson's Silver Medal. For best 20 spikes of Sweet Peas "Rawson's Snowflake."

Class 8.—Rawson's Bronze Medal. For best three vases comprising white, lavender and pink; open to amateurs only.

Class 9.—Rawson's Silver Medal. For most successful exhibitor among the amateur classes.

Class 10.—Henry A. Dreer Prize. For best 21 vases of Sweet Peas, the 21 incomparable standard varieties as enumerated in Dreer's Garden Book for 1910. First, $20; second, $5.

Class 11.—Jerome B. Rice Seed Co.'s Prize. For best vase of white Sweet Peas. First, $5; second, $3; third, $2.

Class 12.—The Peter Henderson & Co.'s Prize, $10 gold. To be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of Sweet Peas, including not less than six of the Spencer type. The number of sprays to each variety to accord with the Society's rules.

Class 13.—The Peter Henderson & Co.'s Prize, $10 gold. To be awarded the amateur exhibition of the two best vases of George Washington and Martha Washington Sweet Peas. Each vase to contain not less than 25 sprays.

Class 14.—The Henry F. Michell Co.'s Prize. For best three vases of Sweet Peas (one vase of each variety). Frenk Dolhy, White Spencer, Mrs. Alfred Watkins. First, $5; second, $3; third, $2.

Class 15.—The C. C. Morse & Co.'s Prize, a silver cup, value $25. For finest collection of Sweet Peas (open to the trade only).

Class 16.—Watkins & Simpson's Prize, value $10. For best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle.

Class 17.—Stumpp & Walter Co.'s Prize. For best three vases of Sweet Peas Spencer type. First, $5; second, $3; third, $2.

Class 18.—The J. M. Thorburn & Co.'s Prize. For the best vase of pink Sweet Peas; one variety only. First, $5; second, $3; third, $2.

Class 19.—The John Lewis Childs' Prize. For best vase of white Sweet Peas; one variety only. First, $5; seeond, $3; third, $2.

Class 20.—The Sutton & Sons' Prize (Reading, Eng.) Cup value $25. For best table of Sweet Peas to be arranged on a space four by three feet and not to exceed three feet in height.

Class 21.—F. R. Pierson Co.'s Prize. For best 12 vases of Sweet Peas, in 12 varieties. First, $10; seeand, $5.

Class 22.—The Aphine Mfg. Co.'s Prize. For best collection of Sweet Peas, open to florists only. First, $15; second, $10.

Class 23.—The Anton C. Zvolanek Prize. For best 10 vases of Spencer and Unwin types, in 10 varieties, $10.

Class 24.—The John Young Prize. For best vase of Sweet Peas never before exhibited, one variety only, $5.

Class 25.—The Florists' Exchange Prize. For best vase Countess Spencer. First, $3; second, $2.

Class 26.—The A. L. Miller Prize, $5. For finest bunch mixed Sweet Peas. This vase may contain as many sprays as the exhibitor desires and Sweet Pea or other foliage may be used.

Class 27.—The Mrs. Lea Mellvaine Luquer Prize. For best vase of crimson or scarlet Sweet Peas, one variety only. First, $3; second, $2; third, $1.

Class 28.—The Frank H. Traendly Prize. For best vase of lavender Sweet Peas, one variety only. First, $3; second, $2; third, $1.

Class 29. The Burnett Bros. Prize. For best vase of blue Sweet Peas, one variety only. First, $3; second, $2; third, $1.

Class 30.—The Harry A. Bunyard Prize. For best vase of vari-colored Sweet Peas. First, $3; second, $2; third, $1.

Exhibits other than Sweet Peas are cordially invited. suitable rewards will be made.

The Program

Tuesday, July 12

3 p.m. Meeting of executive committee. President's address. Secretary's report. Nomination of officers for 1911. Invitations for the next meeting place.

7 p.m. Election of officers. Vote on the next meeting place. Address by W. T. Hutchins. Discussion.

Wednesday, July 13

10 a.m. Papers by Prof. John Craig and Prof. A. C. Beal on "The Trials and Results of the Experiments at Cornell."

3 p.m. Papers by W. Atlee Burpee, W. C. Kerr and others. Discussion.

7 p.m. Discussion. Papers by Anton C. Zvolanek and others. Discussion. The proceedings will be concluded by a banquet which will be held at 9 p.m.

The American Gladiolus Society

There was a meeting of the Executive Committee, June 27, in New York, and an Exhibition Committee was appointed to take charge of the coming show at Rochester, N. Y., Aug. 16 to 19, with H. Youell, chairman, Syracuse, N. Y.; Arthur Cowee, Berlin, N. Y.; E. H. Cushman, Sylvania, O.; L. Merton Gage, sec'y, Orange, Mass. It was decided that amateurs or private gardeners showing would not be required to pay for space for their exhibits, the Society standing this.

President Hendrickson has appointed a Membership Committee, as follows: J. B. McArdle, 50 Barclay st., N. Y.; Wm. Cahill, Bolton st., So. Boston, Mass.; E. E. Stewart, Rives Junction, Mich.

There are now twenty-one prizes offered for our exhibition, eight of which are in the amateur class; which includes, since my last report, two more: silver cups, by Montague Chamberlain, Groton, Mass., for six best named varieties, one bloom each, exhibited by an amateur; silver cup, by L. Merton Gage, Orange, Mass., for best collection of blue Gladioli exhibited by an amateur.

The following awards have also been placed in the amateur class: F. R. Pierson, Tarrytown, N. Y., $5 in gold for best collection of white-throated named varieties; $5 in gold for best collection of mottled and striped varieties. Stumpp & Walter Co., N. Y., $10 in gold for 12 best varieties, 3 spikes each. A. T. Boddington, N. Y., $5 in gold for best collection of yellow named varieties. John Lewis Childs, Floral Park, N. Y., $5 in gold for best vase of "America," not less than 12 spikes.

Rules Governing the Exhibition

1. All entries must be made to the Recording Secretary (L. Merton Gage), three days before the first day of the exhibition, on blanks provided by the Secretary for the purpose.
2. Exhibits in competition for prizes must be of the exhibitor's raising.
3. Exhibits must be in plaee before 12 noon each day on whieh exhibits are to be judged.
4. Exhibitors are requested to keep their flowers in fresh eondition during the time the exhibition remains open.
5. Exhibitors will be awarded but one premium in each class in which they compete and then only where the exhibits, on their merits, warrant the judges in making awards.
6. While the Society will take reasonable care of the property of the exhibitors, yet it will not in any way be responsible for the loss or damage of anythng exhibited.
7. Exhibits after being staged cannot be removed until the exhibition is closed without the eonsent of the Exhibition Committee.
8. The Society requests exhibitors to attach labels to exhibits. Correct naming of varieties is very important.
9. Exhibitors will be required to provide tables and everything else necessary for table decorations.
10. In entering every exhibitor agrees to be governed by the rules.

Orange, Mass. L. MERTON GAGE, Cor. Sec'y.

Culture of the Pansy

The first and one of the most important steps to be taken in the growing of Pansies is the procuring of reliable seed, which should be of the best strains obtainable, either in separate colors or mixtures, according to the demands of the grower's customers.

To obtain the best results, seed should be sown the latter part of July, or during the month of August, in a coldframe or spent hotbed, in soil composed of equal parts of loam and leaf mould with a liberal quantity of sharp sand. The soil should have a light watering and be left to stand a few hours before sowing the seed, which may be done either in rows or broadcast; cover very lightly and press down with a small board.

The frames should then be covered with boards or other material until the seed germinates, after which the light should be admitted gradually, and a slight watering given if the soil becomes dry. When the plants are of a convenient size for handling, they should be pricked out into more roomy quarters into other frames, setting four or five inches apart, pressing the soil firmly at the roots; a good watering should then be given, and, to encourage growth, a watering once a month with liquid manure, would be highly beneficial, the aim being to get a sturdy rather than a quick growth, to fit them for the Winter.

When cold weather comes place the sash in position for the Winter, giving ventilation on mild days. Should the temperature be such as to freeze the ground inside the frame, the sash should remain closed and be protected with matting or other covering, and the plants allowed to thaw out in the dark. The plants can be left to bloom in the frames or may be transplanted into special beds.



The New "Turbine" Lawn Sprinkler

The New "Turbine" Sprinkler and Sprayer

We have had brought to our attention this week a new principle which is applied equally to lawn sprinkling as well as spraying, and will be known commercially as the "Turbine." The device is manufactured in four varying forms. No. 1, the Turbine Lawn Sprinkler, is entirely for sprinkling lawns or to serve as a fountain. This Turbine works freely under very light pressure and easily casts a fully adequate spray, like a pleasaut rain, 20 to 25 ft. in diameter. The Sprinkler is simplicity itself and works on the Turbine system whereby the water pressure is finely cut up, bringing about the results described.

No. 2, the Turbine Combination Nozzle Sprayer, can be used on lawns or for spraying trees, also for spraying with disinfectants, whitewashing, water, painting, etc., and is guaranteed never to clog. There are two heads furnished with No. 2, so that the spray can be regulated as to fineness.

No. 3, the Turbine Sprayer, is intended for spraying trees, shrubs or fruits, while No. 4, the Turbine Tree Sprayer, the weight of the nozzle being but three ounces, is especially fitted for the purpose described by its name.

So far as we are enabled to judge, the principle seems correct, and it looks as though the Shower Spray Co. of 266 State st., Brooklyn, N. Y., who are introducing these devices, have placed on the market tools that will serve both useful and ornamental purposes, and which will be in demand as quickly as their merits become known. The advertisement of the Shower Spray Co. will be found on another page.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estsb. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of New England. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank F. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnewaska	July 9	9 30 am	W 16th St., N.Y.	London
La Provence	" 9	10 00 am.	W. 15th St., N.Y.	Havre
Caronia	" 9	10.00 am.	W. 14th St., N.Y.	Liverpool
California	" 9	10.00 am	W. 24th St , N. Y.	Glasgow
St. Louis	" 9	10 00 am.	W. 23rd St., N.Y	Southampton
Vaderland	" 9	11 00 am.	W. 18th St., N. Y.	Antwerp
Koenigin Luise	" 9	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Amerika	" 9	12.00 m.	1st St., Hoboken	Hamburg
Duca d' Aosta	" 9	12.00 m.	W. 34th St., N. Y	Naples-Genoa
Baltic	" 9	12.00 m.	W. 21st St., N. Y	Liverpool
Bordeaux	" 9	3.00 pm.	W 15th St., N.Y.	Havre
Germania	" 9		Pier 33, Bklyn	Naples
Lituania	" 9		Bush Dks, Bklyn	Rot'd'm-Libau
K'r W. d. Gr'sse	" 12	10 00 am.	3rd St., Hoboken	Bremen
Potsdam	" 12	10 00 am.	5th St., Hoboken	Rotterdam
Moltke	" 12	2.00 pm.	1st St., Hoboken	Gib-Nap-Geno
Mendoza	" 12	12.00 m.	Bush Dks, Bklyn	Naples -Genoa
Mauretania	" 13	9.00 am.	W 14th St., N.Y	Liverpool
Pres. Grant	" 13	11.00 am.	3rd St., Hoboken	Hamburg
Oceanic	" 13	11.00 am.	W 21st St., N. Y.	Southampton
M Washington	" 13	1.00 pm.	Bush Dks, Bklyn	Napls - Trieste
Geo. Washington	" 14	10.00 am.	3rd St., Hoboken	Bremen
La Bretagne	" 14	10 00 am	W 15th St., N. Y.	Havre
San Giovanni	" 14	12.00 m.	Pier 22, Bklyn	Napls-Palrmo
Minneapolis	" 16	5 00 am	W. 16th St., N. Y	London
New York	" 16	10.00 am.	W. 23rd St., N. Y	Southampton
Berlin	" 16	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Lapland	" 16	11.00 am.	W. 18th St., N. Y.	Antwerp
Cincinnati	" 16	1 00 pm	1st St , Hoboken	Hamburg
Celtic	" 16	2.00 pm.	W. 21st St , N. Y	Liverpool
Furnessia	" 16	2 00 pm	W. 24th St., N.Y	Glasgow
Californie	" 16	3.00 pm	W 44th St., N.Y.	Havre
Ancona	" 16		W 34th St., N.Y.	Naples-Genoa
Kroup. Cecilie	" 19	10.00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 19	10.00 am.	5th St., Hoboken	Rotterdam
Pannonia	" 19	12.00 m.	Bush Dks. Bklyn	Gib-Nap-Tr'ste
Europa	" 19	12.00 m	W 34th St., N. Y.	Naples-Genoa
Pennsylvania	" 20	9.00 am.	1st St., Hoboken	Hamburg
Lusitania	" 20	9 30 am.	W 14th St , N.Y	Liverpool
Majestic	" 20	9.30 am	W. 21st St., N.Y.	Southampton
Bremen	" 21	10 00 am	3rd St., Hoboken	Bremen
La Lorraine	" 21	10 00 am.	W. 15th St., N. Y	Harve
From Boston				
Cymric	July 12		B & M Dks. Char	Liverpool
Devonian	" 13	3.00 pm.	B&A Dks, E Bos	Liverpool
Philadelphian	" 15		B & M Dks. Char	London
Saxonia	" 19	6 00 pm	B&A Dks. E. Bos	Liverpool
Numidian	" 22	9.00 am.	MysticWhf, Char	Glasgow
Philadelphia				
Friesland	July 9	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 9		24 No. Wharves	Glasgow
Ancona	" 15		80 So. Wharves	Naples-Genoa
Manitou	" 22	10 00 am	55 So Wharves	Antwerp
Haverford	" 23	10.00 am	53 So, Wharves	Liverpool
Mongolian	" 23		24 No. Wharves	Glasgow
San Francisco				
Manchuria	July 12	1.00 pm	1st Street	Honolulu
Chiyo Maru	" 19	1.00 pm.	1st Street	Japan
Asia	" 26	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massechusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

For "Supply" Advertisements see page 60

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc., also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway

I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

J. A. Valentine, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyomino points reached by express.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.



Floral Pillow by Gude Bros. Co., Washington, D. C.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 50 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A 1 grower of Roses and Carnations. Address, "Florist," 156 West 15th st., New York City.

SITUATION WANTED—By working foreman, on private or commercial place, single, 45 years, German, 25 years' experience. Address, W. C., care The Florists' Exchange.

SITUATION WANTED—By first-class designer and decorator; able to manage a store. First-class experience and references. Address, "L," 119 N. Broad street, Trenton, N. J.

SITUATION WANTED—By landscape gardener on commercial or private place; 20 years' experience in gardening, forestry and estate work; just completed extensive construction work and planting on private estate. Address, V. E., care The Florists' Exchange.

SITUATION WANTED—As foreman for growing Roses and general stock; advertiser understands gardening. Best of references. Please state particulars in first letter. Address
W. B. care The Florists' Exchange

HELP WANTED

WANTED—A 1 Carnation grower, with small capital. Address, U. G., care The Florists' Exchange.

WANTED—Farm manager, who has some knowledge of nursery and greenhouse work. A good place to the right man. State experience and name references. F. E. W., P. O. Box 330, Richmond, Virginia.

WANTED—Competent working foreman, for private conservatories and lawns. Must have some knowledge of Orchids and decorative plants. State experience and references. John Lewis Childs, Floral Park, L. I., N. Y.

WANTED AT ONCE.
Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—Man to work under foreman, growing Roses principally, also to make himself generally useful about greenhouses; good wages to a sober, honest and industrious man; no one without the above qualities need apply; 11 miles west of Phila. Address, V. G., care The Florists' Exchange.

LANDSCAPE GARDENER WANTED

We have an opening for a first-class man who knows his business and can interview best trade. Full charge of Nursery Department. A great future for right man. Investment of $500.00 to $1000.00 necessary. Investigate this opportunity. Address, W. D. care The Florists' Exchange.

WANTED, A WORKING GARDENER—English-speaking, Protestant, married, strictly temperate, energetic, thoroughly practical in greenhouse and flower gardening and decorating; keep plain accounts, and handle workmen actively, and intelligently. References required. Give full particulars. WAGES $80.00 a month, house, fuel and light. Address W. A., care The Florists' Exchange.

CARNATION GROWERS

Wanted, to work as section men in houses, 300x40, on large modern greenhouse establishment, located in the country near Boston. Also one man who is acquainted with Sweet Peas and 'Mums. Men must be married, experienced, steady, temperate, and good willing workers. None other need apply. State age, nationality, experience and give references when writing. Wages $50.00 a month, the year round, with 5 room house on the establishment. Address, V. A., care The Florists' Exchange.

If in need of a good situation—Advertise in our "Want" columns.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS.
Estelle, Pacific, A. J. Balfour, R. Halliday, Byron, Golden Glow, from soil, the best you ever had, $2.00 per 100, $18.00 per 1000. Cash with order please. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUMS—In nice soft plants, from 2¼-in. pots: Bonnaffon, Pacific, $20.00 per 1000. Rooted cuttings, from sand: Nonin, Bonnaffon, Pacific, Polly Rose, $10.00 per 1000. Nelson & Johnson, Prospect st., So. Framingham, Mass.

CHRYSANTHEMUMS

We have the following varieties ready for immediate delivery, from 2½-in. pots, from 100 to 1000: Dr. Enguehard, Robt Halliday, Comoleta, L'Africaine, Monrovia, Viviand Morel, Early Snow, Rosiere, Mrs. Combes, Intensity, Clementine Touset, White Bonnaffon, Gloria, Crocus, Pink Ivory, Beatrice May, Nagoya, Mrs. Robinson, Cremo, Virginia Poehlmann, Golden Wedding, Helen Frick, Jeanne Nonin, Mrs. Kelley, October Frost, Lynwood Hall. Price, $2.50 per 100. Elmer D. Smith & Co., Adrian, Mich.

When making order please state if we may substitute in case we are sold out of varieties selected.

ROSES

ROSE PLANTS FOR SALE—4000 American Beauty plants in 4-in. pots, at 12c. each; good stock. Brant-Hentz Flower Co., Madison, N. J.

RICHMOND ROSE PLANTS.
1300, from 3½-in. pots; own root, strong and healthy, at 6c. each. Address, Stockton & Howe, Princeton, N. J.

ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate and Kaiserin, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

BENCH ROSES

Killarneys, Chatenays, Bridesmaids, $8.00 per 100. Strong **Killarney, Chatenay** and **Beauties,** 4-in., $8.00 per 100.

Rose Hill Nursery, New Rochelle, N. Y.

Please mention the Exchange when writing.

SURPLUS STOCK ROSE PLANTS
Grown for our own use:
800 Bridees
1500 Richmond
500 My Maryland
500 Enchantor
500 Ivory
1500 Golden Gate.
Strong stock, out of 3-in. pots.
Gude Bros. Co., 124 F. st., N. W.
Washington, D. C.

MISCELLANEOUS

STOCK FOR SALE—Poinsettia, 10,000 strong plants, 2½-in. pots, $5.00 per 100, $45.00 per 1000. Cash please. Keller Floral Co., Troy Rd., Albany, N. Y.

SMILAX, strong 2-in. pot bound, 2 cents, 3-in., 3 cents. Sprengeri, 2¼ and 2½-in., pot bound, 2½ and 3 cents. Stafford Floral Co., Stafford Springs, Conn.

STOCK FOR SALE—Two large specimens of Latania Borbonica in tubs, 10 ft. high, 15 ft. wide. Apply to Geo. Petrie, Willough Bank, Flushing, L. I., N. Y.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

STOCK FOR SALE—Chrysanthemums, Pacific Supreme and McArthur, 250 of each, 2c. each. Anthericum and Ageratum, 5c. each. Eswell Kemp, 349 Grove st., Newark, N. J.

HYDRANGEA OTAKSA—Strong rooted cuttings, ready for 3-in. pots, $2.00 per 100; $17.50 per 1000. These will make fine plants for Memorial Day, 1911. F. J. Langenbach, Florist, Norwich, Conn.

MARIE LOUISE VIOLET—Plants, 2½-in., $2.50 per 100, $20.00 per 1000; from benches, $2.00 per 100, $15.00 per 1000. Cash with order please. F. M. White, 74 Warrall ave., Poughkeepsie, N. Y.

ASPARAGUS SPRENGERI
2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.
The Gond & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—2,000 Maid Plants, in 4-in. pots, at 6c. each; 300 one year old Gardenia Plants, in 4-in. pots, at 25c. each. All elegant plants; also 10 second hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

AMERICAN BEAUTIES—From 4-in. pots, at 8c. each; Rhea Reid, from 4-in. pots, at 5c. each; Verschaffeltii and Golden Bedder Coleus, from 2¼-in. pots, at $1.00 per 100. Mme. Salleroi, from 2¼-in. pots, at $1.00 per 100. Smilax, from 2¼-in. pots, at $1.50 per 100. Extra fine stock. Satisfaction guaranteed.
Brant Bros., Inc., Utica, N. Y.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

STOCK FOR SALE

MISCELLANEOUS

ALTERNANTHERA BRILLIANTISSIMA

Strong bushy plants, from 2-in. pots, price **$2.50 per 100, $20.00 per 1000. Yellow and P. Major, $15.00 per 1000.**

GEORGE I. LAIRD
3014 Fulton St., BROOKLYN, N. Y.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 60c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

VEGETABLE PLANTS

CELERY PLANTS, stocky well rooted plants; White Plume, Golden Heart, Self-Blanching and Giant Pascal, 20c. per 100, $1.00 per 1000. Snowball Cauliflower Plants, in 1000 lots, $1.75. Wm. C. Lester, Plainville, Conn.

VEGETABLE PLANTS

Millions of fine large stocky Cabbage Plants of early or late varieties, including all the best standard sorts: $1.25 per 1,000, $5.00 per 5,000. Try them. Also Pepper, Brussels Sprouts, Kale, Celery Plants, etc. Alonzo J. Bryan, Washington, New Jersey.

STOCK WANTED

Rose Cions Wanted

Wanted—Rose Cions—For Outdoor Budding

We want to buy good, plump, sound wood of the following Roses—either outdoor or greenhouse grown:—

5000 eyes Maman Cochet
5000 eyes White Cochet
5000 eyes Mme. Caroline Testout

Quote lowest price, state quantity offered, and say when Wood will be in proper condition for shipping.

JACKSON & PERKINS CO., NEWARK, NEW YORK

Please mention the Exchange when writing.

Wanted

Daily Shipments of Cut Roses—Beauties, Kaiserins, Brides, Bridesmaids, etc.—also, assortment of outdoor stock. An excellent market for good, clean stock. Top prices and prompt returns.

Greater New York Florists' Ass'n, Inc.
162 Livingston St., BROOKLYN, N. Y.

SUNDRIES FOR SALE

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 75 ft. high; tank capacity, 5,000 gallons. Also a 2½ h.p. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—200 boxes of glass, 16x18 and 16x24; 15,000 feet of 2-in. wrought pipe; three No. 17, two No. 16 Hitchings boilers and 2 sectional boilers. 1000 feet of ventilating apparatus and sash; also all kinds of other material. Complete greenhouses, 300 boxes glass, 10x12 and 10x14; August delivery; everything cheap. Suessermann, 229 Livingston st., or P. O. Box 293, Newark, N. J.

FOR SALE OR RENT

FOR SALE—A 10 acres farm and 6 greenhouses; a rare bargain. John Lealman, Box 29, Route 1, Vineland, New Jersey.

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

FOR SALE IN BRADLEY BEACH, N. J. A small florist establishment, the only one in Bradley Beach; two dwelling houses on lot, stock planted out for Winter. Reason for selling; old age. Apply to George Nash, 610-5th ave., Bradley Beach, New Jersey.

FOR SALE—Three Greenhouses, 12 miles from Boston, good home trade, 9 room house, all improvements; 3 minutes to steam and electrics. Will sacrifice for quick sale. John H. Delay, 71 Beacon st., Boston, Mass.

GREENHOUSE FOR SALE—In town of 12,000 population, doing good business, 25,000 square feet under glass, plenty of ground. Good buildings. Can be bought cheap. For particulars address A. C. Stemmons, Carthage, Mo.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE IN YORKTOWN HEIGHTS, N. Y.—A small florist establishment; the only one in the place and none other nearer than 10 miles. Two dwelling houses on lot; stock planted out for Winter. Reason for selling; have other business. 36 miles from New York. Apply to C. H. Bassett, Yorktown Heights, N. Y.

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. E., care The Florists' Exchange

FOR SALE OR RENT—Greenhouses situated near city limits, Harrisburg, Pa. Electric line passes door and easy access to four railroads. 20,000 feet of glass with southern exposure. Inspection invited. A good proposition for right party if taken now. GEO. E. ETTER, 213 Walnut Street, Harrisburg, Pa.

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new, modern, best construction. Town 15,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled sod removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO RENT—With the option of buying, greenhouse establishment, about 10,000 feet of glass in good condition, with dwelling house and from 5 to 20 acres; between New York and Boston. State terms. Address, V. I., care The Florists' Exchange.

ADVERTISER

would like to communicate with a

Florist or Nurseryman

with ten or twelve thousand dollars who would like to go into business on the Pacific Coast. Address,

S. C., care The Florists' Exchange

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 15c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1388-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.

FRANK VAN ASSCHE
150 Fulton Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.46c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Commercial Violet Culture Price $1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y



Connecticut Horticultural Society

Hardy Rose Night was observed by our Society on June 24, and several tables were necessary to hold the profusion of Rose blooms exhibited by President John F. Huss, from the Goodwin estate, Hartford; by Alex. Cumming, Jr., head gardener at Elizabeth Park, Hartford; and by W. S. Mason, of Farmington, gardener for the Pope estate.

Many beautiful new and old Roses were included in the collection. Every known color was represented; though the specimens of the new "blue" Rose, as shown by Mr. Huss, were hardly worthy of being called blue, as he thought, that color being so little, in fact, under the electric light scarcely a trace was discernible. In daylight, Mr. Huss said, it has a slight cast of blue; but it will hardly be popularized as a blue type. Mr. Huss' collection also contained blooms of the centifolia variety, the origin of which goes back many centuries. The judges, Messrs. Clarence H. Wiley, John Gerard, and J. A. Weber, reported their recommendation of awards as follows: Mr. Cumming, 95 points; Mr. Huss, 90 points; Mr. Mason, 85 points.

Mr. Gerard exhibited a vase of handsome Japanese Iris blooms, grown from seed, of the Kæmpferi variety. A leading feature of the evening's entertainment was an able and instructive paper by Mr. Cumming, on the subject of Roses, covering descriptions of the various types, information as to the culture of Roses, and how to successfully combat their insect and fungous enemies. As showing the speaker's opinion regarding the most valuable varieties, in several classes, he mentioned the following:

Hybrid Perpetuals: Crimson shades, Fisher Holmes, Jubilee, Prince Camille de Rohan, General Jacqueminot, Louis Van Houtte; red shades, Tom Wood, Ulrich Brunner, Alfred Colomb, Earl of Dufferin; pink shades, Mrs. John Laing, Baroness Rothschild, Mrs. R. G. Sharman Crawford, Her Majesty, Paul Neyron, Madame Gabriel Luizet; white and flesh shades, Clio, Margaret Dickson, Gloire Lyonaise, Frau Karl Druschki, Hybrid Teas: Gruss an Teplitz, crimson scarlet; Etoile de France, velvety crimson; Richmond, scarlet red; Killarney, soft flesh pink; La France, silvery pink; Caroline Testout, satiny pink; Koenigin Karola, satiny rose; Kaiserin Augusta Victoria, primrose to white. Wichuraianas: Dorothy Perkins, Lady Gay; single flowering, Hiawatha, Delight, Evangeline, Wedding Bells.

Climbing Polyanthas: Crimson Rambler, Leuchstern, Rubin, Psyche. Dwarf Polyanthas: Baby Rambler, Marie Pavie, Schneewitchen, Paquerette, Mignonette, Perle des Rouges, President Taft, Eugene, Leonie Lamesch.

Mr. Cumming's address was received with applause, and he was accorded a rising vote of thanks.

Following the custom of our Society, the fortnightly meetings will be omitted during the Summer; and on August 26 we expect to resume work, and aggressively prepare for the two Fall exhibitions, which we desire to make the most successful ones in the annals of the Society.

GEORGE W. SMITH, Sec.
Melrose, Conn.

TERRE HAUTE, IND.—J. G. Heinl is building a $500 garage at the rear of his florist store.

COLUMBUS, O.—Chas. W. Millwood, structural engineer, has been called to Europe on business.

GARDNER, MASS.—Four of the five greenhouses of Carl J. Erickson, with other buildings of the establishment were destroyed by fire on June 27. The loss is estimated at $3500, with insurance $1500.

SAVANNAH, GA.—The florist store of John Walf has been burned out.

YOUNGSTOWN, O.—W. A. Wittman has opened a florist store at 41 North Phelps st.

PIEDMONT, W. VA.—Weber Bros. have closed their florist store here and moved to Clarksburg, W. Va.

GERANIUMS—GERANIUMS

From 3½-inch pots, nice tuff, **White, Scarlet** and **Dark Red,** in bud and bloom.

CANNAS, from 3½-inch pots, nice stuff, Green-Foliaged, Red and Yellow Flowered Varieties; also Red-Foliaged, **Egandale** and **Shenandoah.**

Asters, Marigolds, Cosmos, Zinnias, Nasturtiums, Heliotrope, all in pots.

JOHN M. COOKE, Glenville Nurseries, White Plains Road, Tarrytown, N. Y.

Please mention the Exchange when writing.

500,000 Celery Plants for Sale

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also **Celeriac,** $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS

Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS

$5.00 per 1000, 50c. per 100.

KALE PLANTS

Green and Brown, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS

Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

3000 **Verschaffeltii Coleus,** 2-in. pots, $1.50 per 100. 200 **Cannas, Mixed French,** 4-in., $5.00 per 100.
Moon Vines, White, 3-in., $1.00 per dozen.

WILLIAM KEYSER
Wholesale and Retail Dealer in Vegetable and Flower Plants
Randolph Ave., Jersey City, N. J.
Between Myrtle and Claremont Avenues

Please mention the Exchange when writing.

Detroit

With most of the boys the merry bridal month of June finished up in a great flourish. Weddings on every side, but all of medium or small-priced nature. Except for the extremely hot weather, which affected men and flowers in a most deteriorating manner, it was with little difficulty that all orders were executed.

Flowers of all kinds are more than plentiful. The quality, too, is very, very poor. Roses and Carnations have suffered to a great extent through the heat. Sweet Peas, another great standby for wedding and table decorations, have been disappointing in many instances; the fact was they would not hold out in good shape for a few hours as table decorations.

Coupled with this hot wave is a dry spell lasting now well on to six weeks and outdoor stock is showing the effect very plainly. Early Asters are almost a complete failure on this account; Carnations in the field show hardly any growth, and everything else is in a similar bad condition.

Peonies from the field are gone and those from cold storage do not last any time in the prevailing hot atmosphere.

At present writing (July 4) we are enjoying a cool spell, the temperature having dropped from 96° to 70° in the shade. It is the fervent wish of every florist that this may last some time in view of the heavy plant and other decorations to be executed for the coming Elk's convention. FRANK DANZER.

Kalamazoo, Mich.

Abraham Grofvert, the well-known and popular florist on South Burdick st., was last week married to Miss Jennie Van Stream of this city. The trade extends congratulations to "Abe" and his bride, wishing them every prosperity.

I understand William Van Peenan, many years foreman to Van Bochove's, and more recently with the Central Nursery Co., has purchased a five acre plot of ground very near the city, with the intention of going into business for himself. S. B.

KANSAS CITY, MO.—Samuel Murray has leased for five years the north half of the first floor of the Bailey-Reynolds building, 913-915 Grand ave.

FOR

Cemetery and Shady Places

15,000 heavy, field-grown, **Vinca Minor** (Myrtle), 125 plants fill a barrel, $6.50 per 100, $60.00 per 1000.

500 **Tuberous-Rooted Begonias,** in 6-in. pots, large plants, in flower, $1.75 per dozen.

150 Dorothy Perkins Roses, 2 to 3 feet in height, in 4-in. pots, ready to shift, $1.25 per dozen.

Cash with order.

All plants, f.o.b. express or R. R. Freight.

F. A. BOLLES, Coney Island Ave & Ave. I BROOKLYN, N. Y.

Please mention the Exchange when writing.

Chrysanthemum Surplus

300 **Minnie Bailey,** 192 **Ivory,** 75 **Eaton,** 150 **Pacific,** out of 2-in. pots; 50 **Eaton,** 138 **Maud Dean** (pink), 90 **Monrovia,** 128 **Ivory,** 184 **Minnie Bailey,** 322 **Pacific,** rooted cuttings.

$1.50 per 100 from pots; 75c. per 100 for rooted cuttings. Cash please.

BAY VIEW GREENHOUSES
2300 Flatbush Avenue **Brooklyn, N. Y.**

Please mention the Exchange when writing.

Cabbage Plants

Wakefield, Winnigstadt, Summer Succession, Volga, Savoy, Flat Dutch, Danish Ballhead, Autumn King and **Mammoth Red Rock,** $1.00 per 1000.

CAULIFLOWER PLANTS, Erfurt, Favorite and **Snowball,** 30c. per 100, $2.50 per 1000.

S. G. BENJAMIN, Fishkill, N. Y.

Please mention the Exchange when writing.

LEGAL NOTICE

The annual meeting of the Stockholders of the New York Market Florists' Association will be held at the office of the Corporation in the City of New York, Room 804, 257 Broadway, on July 18, 1910, at 12 o'clock noon, for the election of directors and such other business that may properly come before the board.

FRED. A. STEINHOFF, Secretary.

Please mention the Exchange when writing.

LEGAL NOTICES

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the Stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the twenty-first day of July, 1910, at 12 o'clock noon, for the election of a Board of Directors and two inspectors.

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

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after July 11, 1910, at 12 o'clock noon, to July 22, 1910, at 12 o'clock noon.

DAVID TOUZEAU, Treasurer. A. T. DE LA MARE, President.

Pittsburgh

The business heretofore conducted under the name of E. C. Ludwig at 710 E. Diamond st. will be known as the E. C. Ludwig Floral Co., with largely increased stocks and most modern facilities.

PRINCETON, ILL.—Work will soon start on the erection of a new smokestack at the Carl Erickson greenhouse. Recently lightning struck the chimney and tore away about half of it. Bricks were thrown a distance of fifty feet and many of them crashed down through the glass of the greenhouse. The chimney stood forty-two feet high.

SIOUX CITY, IA.—The Chicago Flower store was opened June 24 in the Mondamin block. J. Freeburg is the manager.

The Ribbons You Wish You Could Get But Think You Can't Get, You Can Get In The Pine Tree Silk Mills Qualities.

Taffetas, Satin Taffetas, Chiffons. Colors specially for Florists' uses.
Samples and prices for a postal.

The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000
Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000
Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.
15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.
Please mention the Exchange when writing.

A RECORD TO BE PROUD OF
The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00
For full particulars address
JOHN G. ESLER, Saddle River, N. J.
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Baltimore

R. Vincent, Jr. & Sons Co., White Marsh, Md., will hold another Harvest Home Festival in September. The outlook at their place for the Dahlia and Canna crops is showing every indication of being successful.

It was reported that F. Reitz, Woodlawn, Md., had an attack of lumbago; he is out again and attending to his usual duties.

C. H. Brenaman & Co., 422 Lexington st., are offering large loads of Tobacco stems at $1 a load to the local florists.

Mrs. Isaac H. Moss, Govans, Md., left last Thursday with her children to stay several weeks in Atlantic City.

The hot weather is still with us, the sun driving the thermometer up to 94° at times and no rain in sight up to last Tuesday night. Outdoor plants are suffering; the ground is baked, and it is rather a hard matter to cultivate. If a change comes along soon there will be beautiful blooms in profusion. At present writing it is for the best that the market is not overstocked with flowers as business is dull and it would be impossible to dispose of the blooms. However, funeral work has been fair. The late Congressman Frank C. Wachter, who died last week at his home on Columbia ave., was buried last Sunday. There was an immense number of floral offerings by his many friends; the greater part of the designs showed the florist's skill.

There is enough seasonable cut stock to meet demands; the writer has heard of no shorts. Pot plants are still in plentiful supply and dragging. Greens are steady. J. L. T.

Albany, N. Y.

There was a special meeting of the Albany Florists' Club held on Thursday, June 30, to appoint the different committees for the second annual flower show to be held at the State Armory, in Albany, next November. Frederick Goldring, president of the Club, of Slingerlands, N. Y., was appointed chairman of the committee, Fred Heukes of Newtonville, treasurer, and Robert Davidson, secretary. Chairman Goldring announced the following committees to serve: Hall: Patrick Hyde, chairman, Thomas Snare, Edward P. Tracey, Cornelius Sullivan and Frank Conley. Selection of judges: Wm. C. Gloeckner, chairman, Alfred D. Wemple and Wm. Hammell. Program and printing: Fred A. Danker, chairman, Louis Menand, Sr., Frank A. Briare, Edward P. Meanyard. Wm. C. Kurth. Decorations: Samuel Goldring, chairman, Wm. C. King, John Murnane, Jr., Chas. Sanders, Harry Riggs, John J. Haggerty and John N. Butts. Premium list: John J. Berberick, chairman, F. A. Danker, Patrick Hyde, Wm. C. Gloeckner and Samuel Goldring. Cups have been donated by the president, F. Goldring, F. A. Danker and Fred Henkes as prizes for outside growers. Stumpp & Walter Co. of New York City, announced in a communication that they would offer a cup to be competed for under like conditions. Other out of town firms will also offer cups. The committees expect to work hard and make the second annual show a howling success.

Fred A. Danker has his new addition completed, at No. 42 Maiden Lane, and he has now one of the best equipped stores to be found anywhere. He has it displayed with all the new Ferns and Orchid plants.

There have been some very large weddings in the past month. Everyone seemed to get a chance either at a decoration or bouquets.

Cut flowers are plentiful now, but there is not much sale for them as the folks are going away on vacations, which has a tendency to make trade dull. A little funeral work now and then is very acceptable to all; Lilies are a glut now, plenty everywhere. Carnations and Roses are also coming in well, but move slowly. There is a number of trucksters or Greeks on the main streets selling Roses at six for ten cents, American Beauty, Richmond and Killarney, which certainly is a detriment to the trade.

The next regular meeting of the Albany Florists' Club will be held at the establishment of F. Goldring, Slingerlands, on Thursday, July 7. Carryalls have been engaged to convey the members. All are looking forward to a good jolly time and outing, as this one always proves such, as Mr. Goldring is a jolly good fellow and entertainer. W. C. K.

Get OUR PRICES on Cut Flower Boxes
Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15 00 or more
Climax Manufacturing Co.
CASTORLAND, N. Y.
Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements
The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.
NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK
Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.



KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.
Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.
Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
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SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

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JOLIET, ILL.

CLOSING OUT ON 'MUMS

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All the above at $2.50 per 100; $25.00 per 1000.

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FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
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Enchantress	6.00	50.00
Apple Blossom	6.00	50.00
White Perfection	$7.00	$60.00
Snow Flake	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	50.00
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We are now booking orders for Field-Grown Carnations, strong, healthy stock ready about July 15. Send us your order and we will reserve plants for you.

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2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

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Maud Dean	2.50
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YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Deun	3.00
Yanoma	3.00

CRIMSON	
Black Hawk	2.50
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NEWER VARIETIES, $5.00 per 100.

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Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

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Carnation Plants

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Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

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FRESH ARRIVALS EVERY WEEK

CATTLEYAS: Trianæ, Schrœderæ, Mendelii, Gigas, Hardyana type, Gigas Sanderiana, Percivaliana, Speciosissima, Bowringiana and Aurea.

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RENANTHERA Imschootiana. MILTONIAS Vexillaria and Roezlii.

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COELOGYNE Cristata, 400 bulbs, strong plants, $10.00 each.

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We are glad to notify our retail customers that we have not anything to do with August Millang Store; therefore if you wish to favor us with your orders, call us by telephone, 511, Madison, N. J., or to our address in Madison, N. J.

ORDONEZ BROS.

Please mention the Exchange when writing.

Providence, R. I.

Providence has sweltered with heat for the past few days, a condition which is hard on all cut stock, and replanting is making same short.

O. H. Williams reports plenty to do. He has his Chrysanthemums planted, and is cutting Sweet Peas in large quantities at present.

Wm. Crompton, East Greenwich, was in town on Saturday, obtaining supplies.

E. McCarron had considerable funeral work for Robert Walker's funeral on Saturday.

J. H. Cushing, Quidnick, R. I., was a recent visitor, purchasing supplies for the haying season as well as for the greenhouses.

M. Walsh, formerly in the employ of Wm. Hay, will engage with the new firm of Benke & Burns on his return from a week's vacation.

Mrs. H. C. Neubrand and children have just returned from a three weeks' visit among relatives and friends at Rochester and Webster, N. Y.

W. S. Pino and wife will spend the month of August at Quonochontang Beach, where they have leased a cottage.

Chas. Macnair has just returned from New York, where he went to see his father, Mathew Macnair, florist, Waybosset st., off on his European trip Mr. Macnair intends visiting Scotland, France, England, Germany, Switzerland and Italy before his return in October.

Simon Peterson, East Providence, reports funeral work and planting out stock keeps him busy.

The Cut Flower Market

The condition of the cut flower market at present is dull; very little has been doing since graduation exercises closed. Prices current are: Roses, firsts, $5 to $8 per 100; seconds, $3 to $5 per 100; thirds, 50c. to $2 per 100. Carnations, poor, 50c. to $1 per 100; Sweet Peas, 25c. to 50c. per 100; Lilies, $6 to $8 per 100; Lily of the Valley, $3 to $4 per 100; Cut Ferns, $1.25 to $1.50 per 1000; Adiantum, $1 per 100.

H. C. N.

4,000 Dr. Enguehard

Chrysanthemums

From 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

25,000 **BOUVARDIAS,** 2¼-in. pots, white, pink and red, $2.00 per 100; $18.00 per 1000.

TALL GROWING STEVIA, from sand, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS, from 3½-in. pots, strong, $10.00 per 100.

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(Concluded from page 55)

quite good specimens of the following kinds may be seen: Maples, Elms, Norway Spruces, Hemlocks, White Pines and Larches. The boundaries of the lawns have not been laid out yet but, in the Fall this will be attended to and these will be embellished out with the best kinds of shrubs and herbaceous plants in the most pleasing and appropriate manner.

In concluding this short story we wish Mr. Elliott and his family much joy and happiness in their new home and may the name of Elliott long be connected with Nonantum Hill.

The stock in the greenhouses of William H. Elliott at Brighton is looking exceptionally well at this time. The six greenhouses each 100 ft. long of Kaiserin Roses look remarkably healthy and thrifty. The crop is regulated so that enough will be in blossom to fill the demand just at the time they are needed. This is much better than letting the whole crop come in at one time. The houses are being given over more and more each year to Asparagus, and whole houses are devoted to A. Sprengeri, which is making excellent growth. The houses of American Beauty Roses are very clean and healthy and the crops are regulated the same as with the other Roses. My Maryland and Rhea Reid Roses are doing well and carrying heavy crops. The houses devoted to Asparagus plumosus are being prepared and put into shape so that the plants will produce good long strings for next Winter. ROBERT CAMERON.



Dugout Greenhouse of the Herms Floral Co., Portsmouth, O.

A New Roof Construction

In sending us a photograph of an interior of a "dugout" house, the Herms Floral Co. of Portsmouth, O., writes us as follows:

The photograph herewith may be of interest to your readers and offer some new suggestions to greenhouse construction men. The picture shows the inside of a dug-out house, where is used our pateuted roof construction. The glass is secured underneath the iron bars with galvanized strips which serve as drip conducfors. Lead washers are used to butt bottom lights and no putty or filling of any kind is necessary. There is absolutely no danger of breakage by expansion or freezing, and therefore the usc of large glass is practicable. We expect to have ventilators on this house soon, and they will be of small galvanized iron frame and will detract nothing in the way of light. No purlins are necessary with 8 ft. bars, and ridge no heavier than bars. For the short span bigh eave houses we think this the ideal roof.

Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(Continued from page 1042)

I was there at the time named and found the place all that had been represented to me. I felt quite at home at once, and began packing fruit for the town house, to go by a night train, before I had time to change or get anything to eat. I felt sorry to leave the poor invalid at such notice, as I had taken a great liking to him. I went back three months later to attend his funeral.

At that time Bowood was conducted in a manner different to any other large place I know of. The gardener received a stated sum to furnish everything in fruit, flowers, vegetables, etc., and to furnish and keep in order flower garden, pleasure garden, pinetum, walks, carriage drives, roads, etc., which, altogether, would make a good large farm. He paid out of such sum the whole of the staff of employees, for horses used on the place, and all running expenses. There were no apprentices or improvers taken. One young man, who had had experience in other places in growing plants and flowers, was expected to grow suitable plants and cut flowers for the house when the family was at Bowood, also to grow and pack flowers to send to London or elsewhere as required. The flower man and myself occupied two rooms on the place, with an old woman to cook and clean for us; everything else was done by laborers, many of whom had come as boys to do weeding, lead the horses on mowing machines, clean out stokeholes, start fires, etc., and as they became capable they would get more responsible positions. Two of them would be in the plant grounds, two with the wall tree trainer, and two with the flower garden man. There was one man in charge of every department. All of the men had come to the place as boys; the same with all my assistants. In one or two cases there were three generations. Occasionally one would get dissatisfied and start out to seek his fortune, but most of them remained and got married.

At the time I went to Bowood, the Pine house was furnished with both top and bottom heat by hot water pipes. The Pine pit, where the succession plants were grown, had only hot water for top heat, depending wholly on fermenting material for bottom heat, which was often very uncertain in Winter, besides so much extra labor. The first Summer, we put in hot water pipes for bottom heat, and I think it paid all expenses in one season, as the plants made and retained so much better roots during the Winter that they acquired about double growth in one season, which made it much more certain of getting them to start in time to have the bulk of them ripe between the middle of April and the middle of July, during the London season.

Pine Apples were wanted more or less the year round. There were a few varieties best adapted for this culture, and these were very shy making suckers, and we had to use other means to keep up stock. The time when a Pine Apple requires the most careful attention is when it is in bloom, particularly in dull weather; but many small growers lost sight of this fact and Pines that looked all right would not be salable in Covent Garden. Beside the extra work in changing the heating in Pine pits, we commenced renovating Grape vine borders. Some of the houses we replanted; we also grew on two year vines in pots and boxes, from which we took a light crop the next season to help patch out. A grape house that is not producing fruit is very unprofitable.

The Summer before I went to Bowood an epidemic of mildew broke out in the Grape houses all over England, which ruined the crops, and in many cases the vines. The mildew spread on the bunch as well as the foliage. In some cases the foliage would turn brown and shrivel up. Where a speck of mildew touched a berry the growth would stop and the berry would crack, and in very bad cases the bunches would become a decayed mass. Ways were soon found to cope with the trouble, but from the suddenness and extent of the attack it caused a great loss the first year and no end of trouble and annoyance for the next few years.

At the time I am writing of, the Marquis of Lansdowne was grandfather to the present Marquis who was then attending school and college and spending his vacations at Bowood. At that time Lansdowne House, London, was noted for the finest and most elaborate display of fruit set up at dinners and other entertainments in London, and fruit was about the only thing in connection with the Bowood gardens the Marquis took any interest in. He had a special fondness for forced Asparagus in Winter. We cut about three hundred spikes, from my first pit of Asparagus, for a large dinner on November 8, which was several days earlier than cuttings in previous years. The next day the Marquis brought some of his house guests down to the forcing grounds to show them how it was done; that was the only time I knew him take such an amount of interest in anything in the garden.

In all my experience with fruit growing, I do not know of any establishment that did not require a certain amount of overhauling and renovating every season, and Bowood was no exception. If such overhauling is not attended to, things soon get behind and much of it must be done at once, which means inferior or, in some cases, loss of crops for one or two seasons. The plan of putting the work of overhauling off until a following season was very unprofitable. It was strange that on an estate as extensive as Bowood, Pine soil had to be hauled fifteen miles, soil for vine borders about six miles and gravel for walks fifteen miles. There was no peat anywhere, nor anything, in any part of the extensive pleasure grounds, that Rhododendrons, hardy Azaleas, or any of that class of plants would live in. Many of the coniferous family did well, but some varieties would suffer badly in the Winter.

There was plenty of soft red sand stone near that would stand frost. It was suitable for rough building purposes, and when crushed it made a bottom for walks and drives, but was not fit for heavy traffic. We used quantities of it for walks and faced them with gravel. The scarcity of suitable soil and gravel added much to the expense of keeping up the place. The gardener was an associate editor of a monthly paper called "The Florist and Pomologist," and his duties took almost a week of his time each month. He was also interested in some copper and tin mines in Cornwall and other places, and was often away for several days attending meetings of stockholders, etc., so he did not have a great deal of time to spend in the place. He was always, however, home to attend church on Sunday mornings, when, as often happened, if he had any friend in the gardening or nursery line with him who came to see the place or to get points on the cultivation of certain things, he would hand such friend over to me on his way to church and call for him on his way home. Many of such visitors I found were having trouble with Pines, and some with Grapes. Most of them, if young men, would commence by giving me points on the treatment of the subject, but they would have to come right out and explain the trouble before I could help; then, if they did not know more than I did, I would explain where the trouble existed in some important point which a young beginner should have known. I often found in such cases men who had obtained most of their experience at a place where Pines and Grapes had been grown very successfully, with no failures or mistakes. Some young men were very confident they could do the same, until a cog slipped, and they would be stuck until the cause was explained to them; then it was often very hard to convince them as to the cause of the trouble.

During my stay at Bowood, beside the general routine work, renovating vine borders, and replanting some of the houses, we put in two new boilers and rearranged a great deal of the pipe system. We had things in good running order and planned a lot of extra work, when a gentleman, an old friend of the gardener, who had a nice little place about twelve miles from Bowood, came to him one day and asked him to send him a man who could put his place in shape. The place had been rented for five years and was then being vacated, and he was going back to live there with his family. The gardener told him he did not know of such a man unless I would undertake the job. The friend wished me to go and look at the place, so the following Sunday I drove over and found the most glaring specimen of neglect and bad treatment I ever saw. I found that both the gardener and his friend wished very much that I should take hold of it and, two weeks later, after picking out the men I knew would be useful to me, I took hold. The first week I found there some men I did not want, and got rid of them. I did not intend to remain there more than six months, but I found I could not leave at the end of that period, as my work was not sufficiently advanced. The gentleman wished me to remain permanently, which I would not consent to do.

Soon after I left Bowood there was a great "shaking up" there. It was discovered that the old agent had been swindling the Marquis for several years. I was kept posted after the matter commenced, and in the early stage of the investigation I was asked to be in readiness to leave what I was doing, on short notice, and to go to John Standish, at Bagshot, Surrey, who had been wanting me for two years. A few days later I received word that the agent at Bowood had been discharged in disgrace, and that John Spencer had been made agent to the estate and still retained control of the garden. He wanted me back to take the management of the garden. It happened that the day I received his letter I could give a good reason for throwing up what I was doing on short notice, so the following Sunday I went to Bagshot and remained about a month, then went down and took charge again at Bowood.

About twelve months later the old Marquis died. There were soon rumors of all sorts of changes to be made. I was about sure Bowood would soon be a different place from what it had been for many years, and as John Standish had started his new fruit growing establishment on Ascot Heath, and I had promised him that as soon as I was at liberty I would see if we could make satisfactory arrangements so that I could take entire charge of the fruit establishment, quite independent of the nursery department, I told John Spencer what I intended doing. He thought the undertaking would be a sure success, so at the end of the month I left Bowood and went to Ascot on the following day, Saturday, as Sunday was a great day for looking things over and making arrangements for the future.

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Mignonette

Indoor Culture of the Plants.

We have always found Mignonette a paying crop to grow, not so much in regard to the flowers we cut before and after Easter as the ones we sold during December and January, whether grown to great single stems or otherwise. There are but few of our customers who don't like Mignonette. Last year we had a bench which, on account of rush of work and perhaps neglect on our part, was not disbudded at the proper time. This naturally resulted in a benchful of plants of small growth, with a mass of little flower heads. Here and there we did get a strong stem with large flowers, but the most of them were only ordinary stock, and yet they proved most profitable. Quantities of spikes were cut each evening, put in water over night and used for green to go with Carnation or Rose cut flower orders; and while we did get a kick once in a while, most of our customers rather liked the change, and before long we would get an order for cut Carnations with a request "to put a few stalks of Mignonette with them in the box." That bench paid so well that we shall grow more Mignonette this year, but will improve the crop by giving the plants proper support in time to have straight stems; for, like anything else, a crooked stem on a flower is of little use to anybody. While one can in a very short time provide proper support for the plants so as to prevent the tender stems from falling or leaning over, if once allowed to fall it is almost useless to try to get them straight again.

Seeds to Sow

For Early Use Sow Out Mignonette Now

If Mignonette is expected to bloom by Thanksgiving, and after, I should advise sowing seed about the middle of July. There isn't any reason for getting a bench ready for the seed, for the soil lying inside from now on won't get a bit sweeter by it. It is as well to use 2½-in. pots. Put in about three or four seeds. If you use a little care when sowing them, so as not to cover them with any more soil than is required to make them invisible after the watering of the pots, you are bound to get one plant, and that is all you want. If more seeds come up remove them later on, selecting the strongest to make your plant. The plants can remain in the 2½'s until the middle of August. Get your bench ready for them during that time, using a good stiff loam, mixed with one-fourth of well rotted cow manure, for Mignonette loves a rich soil, all the sun to be got, and yet a low temperature. For early planting, and especially if the plants are to be pinched back several times so as to make bushy specimens, I would leave 14 inches between the plants each way. To talk about the culture of Mignonette and not mention its greatest enemy would be wrong. Look out for the green caterpillar, in color almost identical with the foliage. In one night one of them will destroy a plant. However, a light dose of dissolved Paris green will finish them; and the only way to prevent their appearance is to keep the common white butterfly out of the house, for no matter what else there may be in the house it will lay its eggs on the Mignonette.

Chrysanthemums

Diana Still a Paying Variety for Many Growers

As with Mignonette, it isn't always that the retail grower gets the best returns out of the big fellows, for every one of us is bound to have call for small flowers, in fact we notice an increasing demand for them every year—and why shouldn't there be? For the average house they certainly are far more decorative than the large single stemmed ones. Here, in this class perhaps as much as in the others, new varieties have been and are constantly being introduced, and while some of them are excellent indeed, and great improvements over older ones, don't be in too great a hurry to discard what you already have. We let an old standby go some years ago, to our sorrow. It was Diana, a variety we grew in the 80's, long before we heard of Ivory. At first we used it entirely for pot plants, and later on for cut sprays; but there was a time during the 90's when the big fellows came popping up from every corner of the globe and when Diana and a few other small ones had to take back seats. It was, however, only a temporary position. We have arrived at a point where there is room for both, and most of us find a side bench, one perhaps with too little head room for single stemmed flowers, as profitable as any when devoted to the small flowering varieties. Don't fail to include a few Dianas among them, the pure snow-white flowers are most useful, coming in handy for so many purposes. You can depend on them for a christening, wedding or funeral, like the old favorite Ivory, more appreciated every year. It is money makers that you want, as a grower, more than good sounding names, and in Diana you have both.

Violets

Pay Strict Attention to Their Culture Now.

It matters little whether you grow the double or the single varieties, for both need constant attention if good results are to be expected. The plants which are at this writing under glass need all the ventilation that can be had; and while a drying out for the field stock won't do a particle of harm, that is, if the cultivator is kept busy between the plants, the sod of the stock under glass, whether in solid beds or benches, should be kept always on the moist side. Keep the plants well watered and clean, they should grow without a check. This necessitates faithful watching. Remove every runner. Keep the plants free from diseased or yellow leaves. You cannot overdo the cultivating, only be careful not to get down so deep as to hurt the roots of the plants. Once in a while we find a small or poor plant among the rest; don't waste time nursing it along, throw it out and plant a healthy one in its place. The bench space is far too valuable to run chances with any doubtful stock. Watch out for greenfly or other insects; don't wait until they pay a visit, but use a weak solution of nicotine regularly to keep them away. Regarding the stock in the field, practically the same rules hold good. Be particularly careful to remove the runners of the single varieties. You don't want plants for housing in August and Septemher with 50 to 60 runners—that is poor stock to start with. Keep the plants free from them, and cultivate, the oftener the better. Watering the field stock of such varieties as Princess of Wales is hardly ever necessary; the plants, if at all established, usually get along without it, in fact, if anything, they grow into too large plants by the time we want them for housing.

Peonies

Festiva maxima One of the Best for the Florist

Only a few days have passed since I called attention to that grand Peony, Festiva maxima. What a wonderful variety it really is for the florist! To my mind we haven't anything to beat it, no matter what the color or size, and if you are going to make up a list for planting out next September, which, by the way, is really the best time of the year to plant Peonies, don't overlook Festiva maxima. As far as I can find out, this wonderful Peony was offered by Miellez in 1851, and has been "Queen supreme" ever since. I had the pleasure of seeing a field of it in bloom at the Peterson Nursery, Chicago. What a sight, blooms almost eight inches across, with over four foot stems! Of all the many other varieties in bloom at the same time surrounding it none of them impressed me as much. There are plenty of reliable nurserymen in the country offering stock of Festiva maxima, true to name, and every retail grower should have a good number of plants on hand. You cannot invest in anything that will bring better returns. There are the flowers, which, when well done, bring good prices, and the plants will increase in value from year to year. I don't know of anything one could plant which would pay better. Therefore, if you intend planting out one thousand plants next Fall order 700 Festiva maxima, and 150 red and 150 pink of varieties which your nurseryman can recommend. Don't be too particular about the names. You want a good pink and a good red, that is the main thing, if you only grow a few plants.

Catalogs Received

HENRY F. MICHELL CO., Philadelphia, Pa.—Michell's Wholesale Price List for July and August, 1910. The book opens with a select list of Bulbs, followed by listings of Michell's Celebrated Flower Seeds and Seasonable Vegetable Seeds, and concluding with Tools, Implements, Plant Tubs, Pots, etc. Illustrated.



NEW YORK, July 6.—The cut flower market is in a stagnant condition. It is like a pond with an inlet, but no outlet. The stock comes in daily, but there are very few buyers. Under such conditions many arrivals do not realize enough to pay expressage, and much goes to waste.

American Beauty Roses, specials, are selling at as low as 10c. each, though a few sales of selected blooms in dozen lots are made at 20c. to 25c. each. The supply is plentiful, and the quality medium. The supply of Killarney, My Maryland, Richmond, and Kaiserin is abundant, but the movement is very slow. White Killarney and Kaiserin are preferred. Richmond and Kaiserin will not keep more than a day, and after that period are useless. The best grades of each of the foregoing sell for no more than 5c. each, though a few Richmonds realize 6c. There is no improvement in the quality of Bride and Bridesmaid now arriving, and there is very little demand for them. A few of the best obtainable bring 4c. each; it is almost impossible to move the balance at any price. It should be distinctly understood that these quoted prices on Roses are for the highest grades, and that the bulk of arrivals sell at prices ranging from 25c. to $2 per 100, and some cannot be moved at all.

Carnations are very plentiful for the season and of quality from medium to very poor. There is only a small demand, and practically no prices, many shipments changing hands at 25c. per 100, and the very best realizing only 1c. each.

Gardenias are out of the market. There is a normal supply of Orchids, but no special demand at this season. A few choice blooms sell for 50c. The bulk of sales are on a much lower basis, and go to pieces in the ice box for lack of a buyer.

Lily of the Valley is not particularly abundant, but there is enough. The best grade brings $2 per 100 with a little choice special selling for $3. Lilies are arriving in quantity out of all proportion to the demand, and the price is down to about 2c. each for the best grade, with slow sales at that figure.

Sweet Peas are plentiful. They are very perishable now, and thousands of bunches go to the barrel. 10c. to 20c. per dozen bunches is the selling price, with only a small demand.

Greens are all moving slowly with no change in prices.

PHILADELPHIA, July 5.—Practically all those events which call for a large use of flowers are ended, holidays, commencements, and June weddings. Summer is here, with vacations and needed rest. On Saturday, July 2, the market was cleaned up only with the aid of the streeet man, and the waste barrel. On July 4 some wholesalers closed one half and some all day. Tuesday, today, all flowers are moving slowly. The best selling blooms probably are white Roses, especially Kaiserin, and in pink Roses My Maryland.

The supply of American Beauty Roses is quite sufficient for all demands, and the quality good for the season. Specials bring $2 per dozen, and in some few cases $2.50, with only a moderate demand. There is a fair supply of Killarney, and My Maryland. The quality is holding up quite well, with a moderate movement at 8c. for top grade stock with most sales around the 5c. figure for good stock. Richmond is small and weak necked for the most part. A few of the selected blooms bring 8c., but it sells slowly and in most cases for half the figure. Kaiserin is a little more plentiful, and is coming in cut tight, and sells more freely than other colors, at 8c. for the choicest blooms.

Carnations are plentiful, but of poorer quality, for the most part, yet some exceptionally good blooms are arriving. There is no special demand for any particular color, but the best grades sell first at 2c. each, while a few choice blooms realize 3c. each.

There is a moderate supply of Gardenias, but almost no demand. 30c. to $1 per dozen is the basis of most sales. Some dozen lots of choicest blooms occasionally find a buyer at $1.50 per dozen. The supply of Orchids, and the demand for them are fairly balanced and the best grade of Cattleyas realizes 50c. each. The supply of Lilies is sufficient, with a fair demand at 75c. to $1.50 per dozen. Lily of the Valley is only moderate, with about the normal demand. The best grade is bringing $3 per 100, with a few sales of fancy special at $4.

There is an over supply of Sweet Peas. Some come in such poor condition as to go to the barrel at once. The demand is normal and the best grades realize about 75c. per 100. All greens are moving slowly. The supply is abundant, and quality all right, but the tendency is toward lower prices. There is a steady supply of Gladioli in choice varieties arriving, and the best blooms meet with a moderate demand at 10c. each.

BOSTON, July 5.—The market in the early part of the week was as good as could be expected at this season. Saturday was not quite as good, although there was fair business done in some lines of goods. All colleges and schools are closed now and the outlet in that direction is closed for the present.

Roses are quite plentiful and large quantities of short-stemmed flowers are to be seen everywhere, most of them cut from young plants propagated this year. Enormous quantities are sold on the street and fine Roses are sold at 5 and 10c. a bunch. This is very low but it is better than consigning them to the waste barrels. High grade Carnot, Kaiserin, Killarney and My Maryland bring fair prices. American Beauty sells fairly well, but the quality is nothing extra, flowers being rather short stemmed. My Maryland is a good Summer Rose and sells quite well. Bride and Bridesmaid are in poor demand.

The hot weather has played havoc with the Carnations and the supply is lessening somewhat, although there is more than enough to fill all requirements. The best flowers are bringing fairly good prices; all other grades sell at low figures.

Lilies are quite plentiful and of good quality. The varieties auratum, lancifolium and longiflorum are particularly plentiful.

Gladioli are plentiful and prices continue fair. The variety America seems to be the favorite. Sweet Peas are in good supply and the Spencer varieties are the favorites. Water Lilies are freely offered and Asters are beginning to be seen now, but are not very abundant yet. Gypsophila is of good quality and is bought up quickly. Adiantum and Asparagus are quite plentiful, but the crop is not mature enough, therefore the quality is not up to the standard. R. C.

CHICAGO, July 5.—The market has settled down to its usual Summer condition, and trade has reached the expectations of all concerned. The past few cool days have helped greatly to stop the influx of stock, and it is showing up in better quality. At this writing both Roses and Carnations are much firmer and in better shipping order. There is no actual change in the prices of stock from last week, as good stock being so scarce prices keep pretty fair. The inferior stock, as usual, moves at any price. Some of the growers are beginning to cut young American Beauty Roses, which are exceptionally fine for new stock. The majority of good Roses are Kaiserin and Killarney.

Such Carnations as arrive in the market are good, bad, and indifferent. The good grades move at all times at fair prices.

Sweet Peas are now all outdoor grown. The demand is not nearly so strong as a week ago, nor are the prices. Peonies have ceased to come in any quantity. It is also stated that the stock in cold storage is far less than is usual at this time. Good flowers sell at from 75c. to $1 per doz., although 35c. is a fair price for the majority sold.

Lilies in all lines are a back number. Harrisii also Callas, are seen but rarely. Candidums are flooding the market. Lily of the Valley is resting from the active demand of the past few months. Gladioli are plentiful and are meeting with a fair demand. A few Asters are to be seen. Water Lilies are beautiful and meet with a good demand for use in retailers' windows, if no more. Canterbury Bells, Coreopsis, Larkspur, Candytuft, some Mignonette, and Gaillardias all help to make an effective showing at all places.

ST. LOUIS, July 4.—Everybody in the trade agrees that the Summer dullness is upon us; the commission houses, the retail stores and the growers plainly show this; the stock coming in at present also proves the fact. Stock of all kinds is very plentiful and of such poor quality that the retailers run shy of it and buy only sparingly, as there is so little doing and only funeral work at that; the only display that can be made of it is in the ice-box.

It is hardly of any use to quote prices prevailing last week as it would be impossible to give them correctly on anything in the market.

ST. PATRICK.

Greenhouses Building

GREEN BAY, WIS.—Meier & Co. are building two large new greenhouses.

THORSBY, ALA.—Howard Bros. are building an additional greenhouse, 25 by 100 ft.

BUFFALO, N. Y.—Gottlieb Basler of 122 Hertel av. is building an iron frame greenhouse.

NASHUA, N. H.—George E. Buxton is building an additional greenhouse, 35 by 160 ft., for Carnations.

SUPERIOR, WIS.—Wright & Johnson are building a greenhouse at 1920 Lackawanna ave.

SYRACUSE, N. Y.—Charles W. Bourne contemplates building a 30 by 100 ft. greenhouse on the West side of Hudson st., between Solvay st. and Bellevue ave.

Coming Exhibitions

Hartford, Conn., Sept. 23-24, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, July 12-13, 1910.—Exhibition of the National Sweet Pea Society of America, St. Nicholas Rink, 69 West 66th st. Harry A. Bunyard, secretary, 342 W. 14th st., New York City.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the American Gladiolus Society in connection with that of the S. A. F. L. Merton Gage, cor. secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

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Wholesale Prices of Cut Flowers, New York, July 6th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 25.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.25 to 5.00
White Killarney	.50 to 5.00
My Maryland	1.00 to 8.00
Richmond	.50 to 6.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	2.00 to 4.00
" extra	1.00 to 2.00
" No. 1	.50 to 1.00
" No. 2	.25 to .50
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
....	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to .25
Standard Varieties: White	.50 to .75
Standard Varieties: Pinks	.50 to .75
Standard Varieties: Red	.50 to .75
Standard Varieties: Yel. & Var.	.50 to .75
Fancy (The highest grades of Sta'd varieties) White	.75 to 1.00
Fancy (The highest grades of Sta'd varieties) Pinks	.75 to 1.00
Fancy (The highest grades of Sta'd varieties) Red	.75 to 1.00
Fancy (The highest grades of Sta'd varieties) Yel. & Var.	.75 to 1.00
Novelties	.... to ....
Gardenias, per doz.	.... to ....
Gladioli	2.00 to 4.00
Lilies, Harrisii and Longi.	2.00 to 3.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.10 to .20
Tulips	.... to ....
Iris	.... to ....
Peonies	.... to ....

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New York

Kessler Bros., wholesale plantsmen, during July and August will have office room at 52 West 28th st. In the Autumn they will be established in permanent quarters. By that time they will be receiving their importations of Bay trees and Boxwoods. Their recently purchased land at Secaucus is now being graded and put in thorough shape for further work.

M. C. Ford's new quarters at 121 West 28th st. have received an outside coat of red paint, and "M. C. Ford, 121, Wholesale Florist" in foot-long black letters on a white background can be easily seen half a block away.

The Johnston Heating Co. has removed to 131 East 26th st.

Careful inquiry from the gentlemen themselves reveals the fact that the reports recently published in a Western contemporary that B. S. Slinn and William Kuebler were contemplating trips to Europe are utterly without foundation.

Retail florists have their troubles. One in Brooklyn recently received an order for a $10 bouquet to be delivered to a certain graduate at a school commencement. The proper address was both wired to the bouquet and pinned to the ribbon, and the bouquet was delivered at the school, but the cards were changed by some one and a $1 bunch of flowers delivered to the graduate who was to receive the $10 bunch. This is not the first occurrence of this kind and it places the florist in a very embarrassing position.

Ludwig Jenke, of Jenke & Co., 422 Fourth ave. will sail for Europe about July 15, visiting Holland, Belgium, Germany and England for about two months, to make selections for importation. He will also visit his kinsmen in Berlin. This is Mr. Jenke's fourteenth year at his present quarters.

Carl Stumm, 237 Fourth ave., has been six years at his present quarters. He is an Ohioan by birth, and an enthusiastic member of the Sons of the American Revolution. Mr. Stumm deals in both cut flowers and plants. He finds the section where he is located changing from a residential to a business one, and that he has less house work, but more design, funeral and society work.

Charles Thorley's "House of Flowers" at 46th st. and Fifth ave., is always in keeping with its name. Mr. Thorley is now out of town and will be most of the time till September. G. W. Humphrey, his courteous and able manager, will a little later take his vacation at Kennebunkport, Me., where he has been every Summer for fifteen years. Mr. Humphrey reports a very satisfactory June business, especially in steamer orders which, he says, are not only increasing in number but also in quality of blooms ordered, and furthermore the season is prolonged.

Alexander McConnell, 571 Fifth ave., has not yet decided upon his new quarters. Mr. McConnell will not be able to go abroad this Summer, unless early satisfactory arrangements as to new quarters are made.

Peter F. McKinney, 503 Fifth ave., reorts a good June business, the chief feature of which has been high-class funeral work and steamer orders. He will

take his vacation at the Thousand Islands in July.

The following data shows that while the commercial florists are curtailing their building of new greenhouses on account of the high price of glass, many private greenhouses are being erected: Hitchings & Co. are erecting ranges for Mrs. Grosvenor, and Arthur Curtis James of Newport, R. I.; for Samuel B. Brown, Haverford, Pa.; Woodbury Langdon, Portsmouth, N. H.; Mrs. A. S. Hewit, Ringwood, N. J.; Mrs. A. S. Corhart, and Mrs. J. Murray Mitchell, Tuxedo, N. Y.; and a conservatory for Wilson Marshall, Bridgeport, Conn. The Pierson U-Bar Co., are erecting three commercial houses for "The Noe Farm," Madison, N. J., each 44 ft. x 200 ft. Furthermore, they are remodeling the present houses, and installing a power plant, and hot water pumping system. In private work they are erecting ranges for J. Pierpont Morgan, Jr., at Glencoe, L. I.; E. H. Wells, Montclair, N. J.; Theodore N. Vail, Lyndonville, Vt.; E. A. Darling, East Burke, Mass.; F. E. Lewis, Ridgefield, Conn.; F. S. Mosely, Newburyport, Mass.; T. A. Trenholme, Montreal, Canada, and many others.

The Fourth of July outside decorations at the City Hall were by Bowe, 1294 Broadway. The arrangement was, of course, in charge of that experienced and skilled decorator, Arthur Merritt.

At Clifton, N. J., on Wednesday, June 29, Elsie, daughter of Mr. and Mrs. Robert Simpson, the former a well-known rosarian, was married to Fred'k C. Welliver.

R. T. Brown, manager of the Cottage Gardens Co., Inc., with nurseries at Queens, N. Y., will sail for Europe on the S. S. Coronia, sailing July 9. Mr. Brown's trip will be, in great part, a business one.

Wm. W. Mathews of Great Neck, L. I., on Wednesday, July 6, married Miss Murphy of Baltimore, Md., at the home of the bride. They will reside at Great Neck.

John Kral, of Moore, Hentz & Nash, is away on a three weeks' vacation, much of which will be spent motor-boating from Portchester in his own craft.

Harry A. Bunyard, secretary of the National Sweet Pea Society of America was one of the judges at the Sweet Pea Exhibition of the Pennsylvania Horticultural Society, held in Philadelphia, June 30.

Firecrackers thrown by small boys set fire to the florist store of Henry R. Crawbuck, 370 Pearl st., Brooklyn, on the evening of June 29, causing a damage of about $500. Smoke from the fire drifted into the Royal Theater nearby, and someone in the balcony yelled "Fire!" causing a small panic.

William Nugent answered a hurry call on the telephone at the florist establishment of J. B. Nugent & Son, 1025 Lexington ave., on Sunday afternoon, received from a residence at 111 East 69th st., requesting an immediate visit there. With visions of a good-sized order William lost no time in getting to the house. The result was not exactly as he had expected. On arrival it was explained that the lady of the house had heard a noise in the vestibule, and the maid not being able to locate a policeman, called up the florist. William investigated and found a wailing infant in a corner of the vestibule. He took the baby and handed it over to a policeman whom he met at the corner of the street. The baby was subsequently taken to Bellevue.

Bowling

The members of the Long Island Florists' Bowling Club, frequently called the Astoria Florists' Bowling Club, are bowling every Tuesday evening at their alleys in Astoria. A team of seven has been made up to represent the Club at the convention of the S. A. F., at Rochester next month. William H. Siebrecht will take the seven bowlers to the convention in his automobile, starting about two days before the convention assembles. The scores and averages of the team for the five trial games were as follows:

Games	1	2	3	4	5	Av.
John Donaldson	175	191	165	179	168	175
Phil Einsmann.	152	157	174	168	132	156
W. H. Siebrecht, Sr.	161	138	156	162	159	155
Phil Kessler	158	162	149	121	175	153
W. H. Siebrecht, Jr.	150	150	158	157	152	153
Henry Siebrecht.	151	112	98	117	129	121

John Miesem, the seventh bowler, will join the team immediately upon his return from Europe.

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HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee July 2, 1910	Pittsburgh July 5, 1910	NAMES AND VARIETIES	Boston July 5, 1910	Detroit July 4, 1910	Cincinnati July 4, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 20.00	18.00 to 22.00	2.00 to 15.00
..... to 16.00	12.00 to 15.00	" extra	8.00 to 12.00	15.00 to 18.00	..... to .....
..... to 12.00	6.00 to 8.00	" No. 1	1.00 to 3.00	12.00 to 15.00	..... to .....
4.00 to 6.00	..... to 4.00	" No. 2	..... to	4.00 to 10.00	..... to .....
4.00 to 8.00	2.00 to 10.00	Killarney	1.00 to 6.00	3.00 to 7.00	2.00 to 6.00
4.00 to 8.00	2.00 to 10.00	White Killarney	1.00 to 6.00	3.00 to 7.00	2.00 to 6.00
..... to	..... to	My Maryland	1.00 to 6.00	3.00 to 7.00	2.00 to 6.00
4.00 to 8.00	..... to	Richmond	1.00 to 6.00	3.00 to 8.00	2.00 to 6.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 10.00	K. A. Victoria	..... to	4.00 to 8.00	..... to .....
..... to 6.00	..... to 6.00	Bride, Maid, fancy—special	..... to	..... to	..... to 4.00
..... to 4.00	..... to	" extra	..... to 4.00	..... to	..... to .....
..... to	..... to	" No. 1	..... to 1.00	..... to	..... to .....
..... to	..... to 2.00	" No. 2	..... to	..... to	..... to 2.00
..... to 1.00	1.25 to 1.50	Adiantum	.50 to 1.00	.75 to 1.50	..... to .....
..... to 35.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 40.00	..... to 10.00
..... to 35.00	10.00 to 30.00	" Sprengeri, bunches	30.00 to 50.00	20.00 to 40.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	..... to	..... to .....
..... to	..... to 1.00	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to 1.00	..... to 1.00	Standard Varieties: White	.75 to 1.50	1.00 to 2.00	.50 to 1.00
..... to 1.00	..... to 1.00	Standard Varieties: Pink	.75 to 1.50	1.00 to 2.00	..... to .....
..... to 1.00	..... to 1.00	Standard Varieties: Red	.75 to 1.50	1.00 to 2.00	..... to .....
..... to 1.00	..... to 1.00	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to 1.50	1.50 to 2.00	*Fancy White	1.00 to 2.00	1.50 to 2.50	..... to .....
..... to 1.50	1.50 to 2.00	*Fancy Pink	1.00 to 2.00	1.50 to 2.50	..... to .....
..... to 1.50	1.50 to 2.00	(*The highest grades of Std'd vars.) Red	1.00 to 2.00	1.50 to 2.50	..... to .....
..... to 1.50	1.50 to 2.00	(*The highest grades of Std'd vars.) Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to	1.00 to 1.50	Daisies	..... to	.50 to 1.00	..... to .....
..... to .30	..... to	Ferns, hardy	..... to	..... to .15	..... to .....
..... to .20	..... to	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to	6.00 to 12.00	Gladiolus	2.00 to 4.00	3.00 to 8.00	..... to .....
..... to 12.50	6.00 to 8.00	Lilies, Harrisii and Longi	6.00 to 8.00	12.50 to 15.00	10.00 to 15.00
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00
..... to	..... to	Mignonette	..... to	2.00 to 3.00	..... to .....
..... to	50.00 to 75.00	Orchids—Cattleyas	30.00 to 40.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to 6.00	Peonies	..... to	4.00 to 8.00	..... to .....
..... to 1.50	..... to 1.50	Smilax, (per doz. strings)	..... to	..... to 1.50	..... to .....
..... to .75	.25 to .75	Sweet Peas	.35 to 1.00	.50 to .75	.35 to .50
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

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SPECIALTIES
CATTLEYAS
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AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
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Boston

Business is quiet now and the principal talk in the markets and other places is of vacations. The hot humid weather we are having has frightened most of the people to the seashore and there are very few of the larger flower buyers left in the market. The city is crowded with teachers and educators of all kinds from the Teachers' Educational Association in session here this week, but we fear they won't help the cut flower trade very much.

George Butterworth of Framingham sailed last Tuesday, June 28, from New York for England, where he is to spend several weeks, principally visiting the large Orchid establishments. From there he is going to the continent of Europe to see the important Orchid collections.

Edward Bingham of Dedham and his son Edward, Jr., leave on July 5 for England, where they are to spend a month. Mr. Bingham goes principally to see his aged mother and is also to visit many horticultural establishments.

The salesmen at the market at 1 Park st. got together last week and sent several large boxes of cut flowers to the inmates of the Mass. General Hospital. The flowers were much appreciated by the patients. This is good work and it is much better to do this than to consign stock to the waste barrel.

Mann Brothers of Randolph, the bulb specialists, are cutting some extra fine Lilies of the following kinds: auratum, lancifolium and longiflorum. The first Cosmos we have seen in the market comes from this establishment and good Gypsophylla is also being cut there.

Frank White of Holbrook is still sending to market some good Canterbury Bells in various colors.

W. C. Ward of Quincy is cutting some good Sweet Peas from outdoors. There is a fair demand for this kind of material.

Charles Techae, assistant to Thomas Peglar at 1 Park st. Market, goes on his vacation on Tuesday, July 5, and will be away for a month. He has not been enjoying the best of health lately and we hope his well deserved holiday will do him much good.

William McAlpine, salesman for Budlong, leaves this week for his holidays which last two weeks. We wish William a good time at the seashore.

Joseph Margollis, of the firm of H. M. Robinson & Co. is going to Europe on a business trip in the interests of the firm and will be away for several weeks. Mr. Margollis is a very active, hard worker and we hope he will enjoy his trip.

From A. N. Pierson of Cromwell, Conn., come excellent longiflorum Lilies and his high-grade Lily of the Valley is sent regularly to the market.

Newman, on Tremont st., has a fine window display this week which attracts much attention. He has used mirrors to imitate pools of water in his windows and around the mirrors he has placed green velvet to imitate green grass. His flowers are cleverly arranged so as to give beautiful reflections in the mirrors and the whole thing makes a very clever and tasteful arrangement.

Perry Green of Quincy is cutting some very fine Sweet Sultan in various colors, which are very conspicuous in some of the retail store windows at this time.

William Sim of Cliftondale has finished picking all his Sweet Peas that are grown under glass and the houses are being cleaned up for other crops. His Tomatoes are hearing heavily, ripening well, and large consignments are sent daily to market.

Robert E. Lassman of Watertown has a good crop of Sweet Sultan, and his yellow varieties are especially attractive and in good demand.

John K. M. L. Farquhar has returned from Kentucky, much sooner than he expected. It was very hot there, he says, and he was pleased to get away as soon as possible.

At a meeting of the trustees of the Mass. Hort. Society, held last week, it was decided not to go on with the contemplated improvements to the building at the present time, and they advised the putting down of a temporary floor in the large hall. It is a great pity that these

ROSE PLANTS

	Per 100		Per 100
100 Pink Killarney, 3-in. pots	$8.00	**Bridesmaids,** 3½-in. pots	$7.00
250 My Maryland, 3-in. pots	8.00	**Ivory,** 3-in. pots	Per 100 $6.00 / Per 1000 $50.00
Brides, 2¼-in. pots	5.00	**Gates,** 3-in. pots	
" 3½-in. pots	7.00		

A BARGAIN **Richmonds,** fine strong plants, $6.00 per 100, $55.00 per 1000.

WHITE KILLARNEY 2-year-old plants, strong stock, will give better results than young plants, $18.00 per 100.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore July 4, 1910	Buffalo July 4, 1910	NAMES AND VARIETIES	Phil'delphia July 5, 1910	St. Louis July 4, 1910	
..... to 25.00	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	18.00 to 20.00	15.00 to 20.00	
..... to 20.00	12.00 to 15.00	" extra	12.00 to 15.00	8.00 to 10.00	
10.00 to 12.50	7.00 to 10.00	" No. 1	8.00 to 10.00	4.00 to 6.00	
6.00 to 8.00	2.00 to 4.00	" No. 2	3.00 to 8.00	2.00 to 4.00	
3.00 to 5.00	3.00 to 8.00	Killarney	1.00 to 8.00	3.00 to 6.00	
3.00 to 6.00	3.00 to 8.00	White Killarney	1.00 to 8.00	3.00 to 6.00	
3.00 to 6.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00	
3.00 to 5.00	3.00 to 8.00	Richmond	2.00 to 8.00	..... to	
3.00 to 4.00	3.00 to 6.00	Perle	2.00 to 6.00	..... to	
3.00 to 6.00	..... to	Golden Gate	2.00 to 8.00	..... to	
3.00 to 6.00	3.00 to 8.00	K. A. Victoria	3.00 to 8.00	..... to	
..... to 5.00	6.00 to 8.00	Bride, Maid, fancy—special	..... to	..... to 4.00	
..... to	4.00 to 6.00	" extra	..... to	..... to 2.00	
..... to	3.00 to 4.00	" No. 1	..... to	..... to	
..... to 3.00	2.00 to 3.00	" No. 2	..... to	..... to	
..... to 1.00	..... to 1.00	**Adiantum**	1.00 to 1.50	..... to	
25.00 to 60.00	15.00 to 30.00	**Asparagus,** Plumosus, bunches	25.00 to 50.00	..... to	
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to	
..... to	..... to	**Bouvardia**	..... to	..... to	
..... to	6.00 to 8.00	**Callas**	6.00 to 12.50	..... to	
..... to 1.00	1.50 to 2.00	**Carnations**—Inferior grades, all colors	.50 to 1.00	1.00 to 1.50	
..... to 1.50	1.50 to 2.00	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50	
..... to 1.50	1.50 to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.00 to 1.50	
..... to 1.50	1.50 to 2.00	Standard Varieties: Red	1.00 to 1.50	1.00 to 1.50	
..... to 1.50	1.50 to 2.00	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to	
..... to	2.00 to 2.50	*Fancy (*The highest grades of Standard vars.): White	2.00 to 3.00	1.50 to 2.00	
..... to	2.00 to 2.50	*Fancy: Pink	2.00 to 3.00	1.00 to 1.50	
..... to	2.00 to 2.50	*Fancy: Red	2.00 to 3.00	1.00 to 1.50	
..... to	2.00 to 2.50	*Fancy: Yellow and var.	2.00 to 3.00	..... to	
..... to	.50 to 1.00	**Daisies**	.75 to 1.50	..... to	
..... to	..... to .15	**Ferns,** hardy	.10 to .20	..... to	
..... to	..... to .15	**Galax,** green and bronze	.10 to .15	..... to	
..... to 1.20	..... to	**Gardenias,** per doz.	.30 to 1.50	..... to	
4.00 to 5.00	..... to	**Gladiolus**	5.00 to 10.00	..... to	
12.50 to 15.00	8.00 to 12.00	**Lilies,** Harrisii and Longi	8.00 to 12.50	..... to	
3.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	2.00 to 4.00	3.00 to 4.00	
..... to	1.00 to 2.00	**Mignonette**	..... to	..... to	
..... to	..... to	**Orchids**—Cattleyas	50.00 to 60.00	..... to	
..... to	..... to	Cypripediums	..... to	..... to	
..... to	.30 to .50	**Pansies,** per doz. bunches	..... to	..... to	
3.00 to 4.00	..... to	**Peonies**	..... to	..... to	
..... to 2.00	..... to 1.50	**Smilax,** (per doz. strings)	1.20 to 1.50	1.25 to 1.50	
.30 to .50	.50 to 1.00	**Sweet Peas**	.40 to .75	..... to	
..... to	..... to	**Tulips**	..... to	..... to	
..... to	..... to		..... to	..... to	
..... to	..... to		..... to	..... to	

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BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $16.00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $40.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

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alterations were not carried out as they were shown in the new plans drawn up by several architects. Many are very much afraid that the work of the Society is impaired for many years to come, as there is very little income from the building as it is at the present time. It is not generally believed that the Society can do effectual work without money for prizes and such like. This was clearly demonstrated at the great Orchid exhibition held last May, when the large money prizes and medals drew all the large exhibitors from a distance. Any society that begins to offer blue ribbons instead of substantial money prizes is away behind the times and cannot expect to do much in this progressive age of horticulture.

W. J. Bean, assistant curator of Kew Gardens and a specialist in trees and shrubs, is now on a visit to Prof. C. S. Sargent.

Samuel Hudson of the Harvard Botanic Garden left this week for Fort Wayne, Ind., where he is to grow Orchids for W. J. & M. S. Vesey. They expect to increase their stock in this line and are to devote several houses to them. Their other specialties are Roses, Carnations and Chrysanthemums. R. C.

WE have Growers who specialize in Summer Stock. The following are a few of our offerings:

Gladiolus, fine varieties, $5.00 and $6.00 per 100.

Asters, $1.00 and $1.50 per 100.

Carnations, $3.00, $2.00 and $1.50 per 100.

Kaiserins, My Maryland and the **2-Killarneys.** Special $10.00, Extra $8.00, First $5.00.



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Some of our choicest novelties, exclusive patterns, an endless variety to choose from.

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A price list of all cut flowers is issued every Saturday. If you are not on the list, let us have your name.

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Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

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Philadelphia

Leo Niesseu, of the Leo Niessen Co., 1209 Arch st., will use his vacatiou for atteudiug the S. A. F. conventiou at Rochester. This company fiods business better now than at this season last year.

S. S. Pennock passed the Fourth with his family at Westerly, R. I., and Charles Meehan with his family at Ocean View, N. J.

The S. S. Peonock-Meehan Co. is receiving some especially fine Gladioli Brenchleyensis and other choice varieties. A. R. Jones of this house spent his Fourth at Sayre, Pa.

Edward Reid, Ranstead st., has gone on an auto tour with his family to Asbury Park, Long Branch, Lakewood and other points.

Robert Craig Senior and Junior both passed a quiet Fourth of July at home. The Robert Craig Co. is making steady shipments of its quality stock of Begonia Lorraine, and Cyclamens, and also Gardenia Veitchii.

J. J. Habermehl's Sons, the Bellevue-Stratford florists, have decorated their window so as to give a rural Summer effect. A pond with Water Lilies in it and fallen logs around its margin, dead tree trunks still standing with a bush growth of Palms and Ferns half hiding all make up the scheme. This firm report considerable business in the funeral line.

The following were visitors in town this week: O. V. Zangen, Hoboken, N. J., Mr. Radcliffe, of Radcliffe & Tanner, Richmond, Va., and Burnett Landreth, of D. Landreth Co., Bristol, Pa.

The Sweet Pea exhibition given under management of the Pennsylvania Horticultural Society at Horticultural Hall was a decided success. It was well attended in the afternoon by ladies and gentlemen from suburban towns, as well as the city people, and to these in the evening was added the large attendance of gardeners and growers. Over 400 vases of Sweet Peas were staged, and besides these many vases of perennials and other flowers. One of the most attractive features of the exhibition was W. Atlee Burpee & Co.'s exhibit of more than sixty varieties of Sweet Peas, which was awarded a certificate of merit. Special mention was given to a collection of Dahlias exhibited by Miss Gertrude Ely. The judges were: Harry A. Bunyard, New York City, secretary National Sweet Pea Society of America, and William Graham, and A. E. Wohler of this city.

Chicago

After the extreme heat of the past two weeks, relief arrived on Sunday, and was welcomed by all. Flowers have shown the effect of the weather, coming in softer every day, and on Saturday it was almost impossible to find indoor-grown stock that was first class. Rain is needed very badly, Asters especially suffering.

Mangel had the decorations for a patriotic dinner given at the Blackstone Hotel on July 1. The flowers used were red, white and blue. The table decorations were very effective, the centerpiece being composed of red Carnations, white Sweet Peas and Delphiniums. From the center to each place were garlands of Cornflowers and Asparagus, the whole presenting a most pleasing effect. In the store Mr. Mangel is also showing a fine collection of decorative plants, including Pandanus, Crotons, Dracænas, fancy Caladiums and Ferns, all beautiful specimens. Mrs. Stuart of Mangel's left this week on her vacation of several weeks, which will be spent in a trip through the East.

The Bohannon Floral Co. was kept exceptionally busy on Friday and Saturday of last week, having the table decorations of both the Ontiventsia Club at Lake Forest and the Exmoor Country Club of Highland Park.

One of the coolest looking windows in town is that of Harry Rowe, nothing being used but fancy ware and several remarkably fine specimens of different species of Ferns. Mr. Rowe says flowers suffer in the window this warm weather.

The Fleischmann Floral Co. had a fine showing of Japanese Iris as a window feature the past week.

At A. Lange's business continues so active that, as yet, no vacations have

"The Busiest House in Chicago"
J. B. DEAMUD CO.
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51 Wabash Ave.
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ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
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Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
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All Leading Varieties of ROSES AND CARNATIONS
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Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
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Send us your orders for delivery in the Northwest, which will have our best attention.
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FLORISTS ST. PAUL, MINN.
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RICHMOND, INDIANA
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Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
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Wholesale Prices of Cut Flowers, Chicago, July 5, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 3.00
30-inch stems.. "	... to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.50
18-inch stems.. "	.... to 1.25
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 10.00
White Killarney	.... to 8.00
Richmond	4.00 to 6.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	4.00 to 6.00
" extra	4.00 to 5.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	4.00 to 5.00
Chatenay	3.00 to 5.00
Kaiserin	6.00 to 10.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	10.00 to 12.00
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	1.00 to 1.50

CARNATIONS	
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pink	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. and Var.	.... to ....
*Fancy grades of Sta'd varieties: Whites	2.00 to 2.50
*Fancy grades of Sta'd varieties: Pink	2.00 to 2.50
*Fancy grades of Sta'd varieties: Red	2.00 to 2.50
*Fancy grades of Sta'd varieties: Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Gardenias	20.00 to 30.00
Lilies, Harrisii and Longi.	10.00 to 12.00
Lily of the Valley	3.00 to 4.00
Mignonette	2.00 to 4.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 60.00
" Cypripediums	15.00 to 20.00
Pansies	.25 to .40
Peonies	4.00 to 8.00
Smilax	12.00 to 15.00
Sweet Peas	.50 to 1.50
	.... to ....
Violets, single	.... to ....
" double	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

been taken by any of the staff. Mr. Lange says he never had such a busy June.

Friedman's window decorations have been unsurpassed all varieties of flowers, arranged in harmony of color, making a most magnificent showing.

The excessive heat on Friday last could not daunt the ardor of the lovers of baseball. Many of our florists attended the opening of the new grounds of the White Sox.

R. A. Smyth of Benton Harbor, Mich., spent several days in Chicago last week, examining into the various cement benches used by our local growers. It is his intention to install cement benches in all his greenhouses.

The funeral of Geo. R. Wheeldon, who was killed by the cars, took place on June 30, interment taking place at Mount Greenwood cemetery. His son Walter arrived from Buffalo to attend the burial. This son, a fine man, is both deaf and dumb and is employed as printer in a deaf and dumb institute in Buffalo.

With a capital of $50,000 the A. C. Amling Co. has been formed to do a general greenhouse and flower business. The incorporators are E. C. Amling, P. M. Miller, and M. Wattman.

Lincoln Coles and wife, of Kokomo, Ind., spent Wednesday of last week in town. Mr. Cole's specialty is American Beauty Roses, with which he has great success.

Fred Strail, of Strail & Hahn spent several days at Twin Lake, Wis., returning Tuesday morning.

T. C. Yarnall, of the J. B. Deamud Co., spent July 4 at Eagle Lake, Mich., with his family.

Miss Love, of Winterson's Seed Store is spending her vacation at South Haven.

A gold medal has been presented to W. N. Rudd by the Horticultural Society of Chicago, as an appreciation of his long and faithful services for this Society.

Harry Philpott was on deck to attend the dinner of the Florists' Club on Thursday night.

Many of the florists participated in the "Sane Fourth" parades. At Hinsdale, Ill., Bassett & Washburn's force took an active part in the proceedings. Mr. Washburn loaned his auto and decorated a float. In the afternoon the florists' baseball nine played a game of ball, coming off victorious.

The only fatality resulting in the Fourth of July celebration here, reported up to date was that of John E. Gawrys, 33 years old, of Lincoln ave., an employee of Peter Reinberg's greenhouses. He, with another man, Richard Weber, were standing in front of the greenhouses, when Weber pulled a revolver to shoot in celebration. The revolver failed to go off, and in examining it to find the cause, he accidentally pulled the trigger, this time with effect, killing Gawrys, who was standing in front of him, instantly. Deceased leaves a wife and three small children.

Another feature of the holiday was the total destruction, by fire, of one, and part of a second greenhouse of Adam Zender, Rogers Park. It is supposed that the fire was caused by a firecracker.

J. Raske had the decorations for a banquet given the White Sox ball team at the Auto Club on Friday, July 1. The center of the table was laid out in a diamond, made of white Carnations, with Asparagus Sprengeri for the field, and American Beauty Roses for bases. A diamond of Asparagus was also formed on the ceiling. A large shield done in white Peonies and Larkspur, the Club's colors, was another feature. The clubroom was magnificently decorated with American Beauty Roses, about 400 blooms being utilized.

In the class for decorated floral carts at the Lake Forest Horse Show last Saturday, Cummings' cart, decorated by the Bohannon Floral Co., won the first prize.

Geo. Walthers and wife of 63d st., are en route to Germany.

Beginning July 5, until September 1 all the wholesalers will close at 5 o'clock.

Mrs. Tonner, mother of Miss L. Tonner, of the A. L. Randall Co.'s supply department, underwent a serious operation on Sunday last. The latest reports are that she is progressing favorably.

W. W. Taylor, representative of the Kentucky Tobacco Product Co., of Louisville, Ky., spent several days of the past week in Chicago.

Visitors: Mr. Brown, of Brown Bros. & Co., Vancouver, B. C.; Ralph Anderson, Travis City, Mich.; Mr. Schmaus, Paducah, Ky.; Louis Bauscher, Freeport, Ill.; J. Lauterbach, Bushnell, Ill.; Clarence Peterson, Cincinnati, O.; Mr. and Mrs. J. J. Soper, Rockford, Ill.; Mr. and Mrs. C. D. Stratton, Lancaster, Wis.; Geo. Crabbe, of Crabbe & Hunter, Grand Rapids, Mich.; W. Rassmussen, Pontiac, Ill.

Indianapolis

Tomlinson Hall market reports quiet trade. Many of the growers are not attending, as it is more profitable for them to attend their establishments at this time. The shop men patronize everything that is unusually nice, but there is little trade to take the balance.

Clarence Peterson of Cincinnati was showing samples of the firm's new Begonia in this vicinity last week.

The Smith & Young Co. has installed electricity for pumping purposes at their Cumberland plant.

Clarence Thomas is off on an extended vacation in Illinois and Michigan.

Mr. Jones of Cleveland, O., was the guest of George Wiegand over the Fourth.

The flower show committee is having much success and reports a prosperous outlook for the event.

In a bed of Spanish Iris at Bertermann's Cumberland place the effect of the coloring, blue, yellow, white and brown, was most beautiful. Spanish Iris is a profitable crop in this section.

Public interest is, and no doubt rightfully so, centered more on automobile races, baseball games, and numerous other amusements furnished the strenuous American, than in buying Nature's beautiful productions.

Funeral work has been the only salvation since the passing of the wedding season. Counter trade naturally drops off at this time and there are few occasions which call for the use of high-grade flowers.

State of the Market

The market is well furnished with a bountiful supply of high-grade flowers. Especially is this true of the various kinds of Lilies which are bringing the regular market rates, both wholesale and retail. Sweet Peas are plentiful enough but the wet season puts many of them in poor condition. The growers figure varies from 25c. to 50c. per 100; 10c. to 25c. per bunch is the retail price.

Carnations are much scarcer and bring better figures when the quality is comparatively good than a month ago; $2 to $3.50 per 100 is asked for them. The retail price ranges from 50c. to 75c. per dozen.

Home-grown and shipped Roses vie with each other in this market. The quality of all of them is none too good. The best Killarney, Kaiserin, Augusta Victoria and Richmond are wholesaling at $5 to $7 per 100; seconds bring half that figure and shorts $1 to $2 a 100. New crop Am. Beauty with nice foliage are obtainable and bring slightly advanced prices; $3 to $20 per 100 is the general quotation on them.

Field-grown flowers are still being favored by the weather and are a source of much profit to those dealing in them.

I. B.

St. Louis

Chas. Holzborn, the Oak Hill florist, and wife are on their way to Europe for a two months' vacation.

"Billy" Smith, treasurer of the Florists' Club, will miss his first meeting next week owing to his attending the Elks' Convention at Detroit that week, where he will be taken in hand by his friend, Harry Balsley, and make the rounds of the trade.

The Riessen Floral Co. have had a most successful season in all lines of the trade, and Mrs. Buechel, the head of the firm, is contemplating a good long vacation this Summer.

Alex. Siegel was around the wholesale district last week displaying a northern trip ticket to a place where he will spend six weeks fishing on the lakes.

C. C. Sanders, wife and daughter, who recently visited Chicago, write saying they bought a big touring car there and will make the return trip in it.

Mr. and Mrs. Henry Berning are inspecting the different automobiles and contemplate a Summer trip after purchasing one of the latest pattern.

George Schreifer and Oscar Huetmann have been selected official umpires for the big baseball game between the Bentzen and Sauder teams at the picnic.

Oscar Kuehn has again been selected official photographer for the florists' picnic and says he will be on hand early to take any kind of a picture.

Chas. Schoenle, one of the Club's trustees, is off for a week's fishing trip.

Now that the season is over most of the leading retailers have commenced to make alterations, repairing and decorating.

The Club meeting next week will be of great importance to all the members. President Windler, with the aid of the trustees, is making great efforts for a large attendance.

ST. PATRICK.

Springfield, O.

That practically all of their stock was sold out was the report made by members at the June meeting of the Springfield Florists' Club. Because of the unprecedented demand, the amount of Roses left will be about sufficient to cover the Fall sales of the retail catalog houses.

Frank M. Day, local freight agent of the Erie Railway, and S. H. Wilcox, import freight representative of this line, located at New York City, appeared before the Club with a view to securing joint action of the several local houses accustomed to make large annual purchases from Holland, so that uniform and minimum charges might be secured and prompt transportation and clearances arranged for.

B. C. Blake recently added a house 10 by 65 ft. to his plant and has become the local Rex Begonia specialist, having between forty and fifty varieties which he is constantly propagating and shipping to all parts of the country.

A fourth house, 30 by 300 ft., of Dietsch construction, is now being erected by The Leedle Rosary in which Smilax, Asparagus and Carnations will be grown.

Fort Wayne, Ind.

W. J. and M. S. Vesey of Fort Wayne, Ind., expect to make a specialty of Orchids and fancy plants in addition to their other lines. They have engaged Samuel Hudson to take care of this line of the business; this gentleman comes to them very highly recommended from the Harvard Botanic Gardens.

Cincinnati

Business for the past week was only fair. The flower buyers are leaving the city for northern Summer resorts, on every train, hunting a cool spot. Flowers received one morning, no matter how heavy you ice, if carried over, are wide open the next morning, therefore there is considerable waste. Prices are very reasonable.

J. T. Conger and wife are in Chicago for a few days visiting the former's mother.

The florists' outing is progressing, and there will probably be a nice turnout; the next meeting of the Society will be held at Gus Adrian's July 11.

The reunion of the Murphys was held July 4.

The commission houses of Kyrk and Gillett close at 5 o'clock during the months of July and August.

E. G. GILLETT.

Washington, D. C.

Last week brought more torrid weather, which caused many people to leave the city.

August Haubert, who has traveled over the greater part of New England and the West as a decorator, is with William Marche in that capacity. Mr. Marche is installing a very fine aquatic window, to be completed during this week. He reports business as fair during the past week.

The Gude Bros. Co. have put in their usual aquatic window, but state that there is no great demand for Pond Lilies yet.

W. W. Kimmel has moved from the store at the corner of 14th and Mass. ave., which he formerly occupied, to 1131 14th st., a few doors south. The place is being thoroughly overhauled and rebuilt to meet the requirements of his growing business and when finished will make one of the finest retail florists' establishments about town. The place is being enlarged, with a big bay window, and in the present yard will be constructed a greenhouse, 50x18 ft., one end of which will open into the store, and the other into an alley, with ingress and egress either way. The greenhouse will be a modern uptodate affair, affording plenty of sun, and well protected on the cold sides by the adjacent houses. The large sectional hot water boiler being installed will supply adequate heat for the greenhouse, store and the dwelling above same. Mr. Kimmel is among the most enterprising business men in Washington. He reports that he has had a busy season in landscape work, which is about ended. Among his most recently fulfilled contracts are 300 Rhododendrons, 12 Colorado Blue Spruces and 300 ft. of California Privet hedge, planted for Mr. Alsop at 20th st. and Mass. ave., N. W. He also planted 800 ft. of Privet hedge in front of fourteen newly constructed houses in near suburbs.

The Fourth of July decorations among the stores consisted chiefly of flags, in all conceivable forms and shapes, with red, white and blue flowers used in many instances.

The half-day holidays for all Government employers, including those of the U. S. Propagating Gardens, and Department of Agriculture, began on July 2, to continue three months.

JAS. L. CARBERY.



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All the Clay

FOR OUR

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

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FERTILIZERS

Bone Meal, Sheep Manure, Blood, Tankage, Nitrate Soda, Potashes, Acid Phosphate, Canada Ashes, etc.
At Wholesale Prices

WILLIAM M. DAVIDGE
156 Madison Street, BROOKLYN, N. Y.
TELEPHONE 1101 Bedford

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The Turbine Lawn Sprinkler, No. 1

Words fail to describe its full value; a practical demonstration, however, will quickly show its simplicity and tremendous power. Under ordinary pressure the Turbine Lawn Sprinkler will distribute water over a diameter of 25 feet, which descends with perfect evenness in ever direction in a beautiful fountain-like manner, like unto a light, natural rain. The Turbine Lawn Sprinkler has met the instantaneous and enthusiastic approval of leading gardeners and horticulturists; it is now in use in Central Park (Manhattan) and Prospect Park and Greenwood Cemetery, Brooklyn, N. Y. (City), and is on sale in all leading seed stores. The Brooklyn Times of June 15, 1910, says:

The Park Department has granted the Shower Spray Company leave to place one of its fountain sprays on the fountain in Borough Hall Park. It is a little bit of an affair, but with a little over half force of water it throws a spray around a twenty-five-foot circle.

The Turbine Lawn Sprinkler is warranted never to clog or corrode, and is practically indestructible as it has no complicated parts. Always ready for use. Price, with stand, $1.25.

The Turbine Combination Nozzle Sprayer No. 2

The Combination Nozzle can be used with equal facility either for lawn or tree spraying. Works splendidly with a low pressure and equally well with the highest. It will spray the heaviest Disinfectant, White Wash, Water Paint, etc., and we absolutely guarantee will never clog. Being furnished with two heads, the spray can be regulated as to fineness. As in all our sprays, there are no complicated parts. This sprayer can also be connected to ordinary garden hose or any spraying machine without using reducer. Price, complete, $2.00.

The Turbine Sprayer No. 3

Unsurpassed for all purposes in connection with spraying Trees, Shrubs or Fruits. Never clogs from any form of mixture. Gives the finest and most penetrating spray at least waste of material. Will fit all machines. Weight, five ounces. Price, $1.75.

The Turbine Tree Sprayer No. 4

Constructed on the same principle as Nos. 1, 2 and 3. Weight only three ounces and, owing to its lightness, is especially fitted to high pole and tree work. Price, $1.75.

Special discounts to the trade. Seed and supply houses are requested to investigate the merits of these machines.

THE SHOWER SPRAY CO., 266 STATE ST., BROOKLYN, N. Y.

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	HAND MADE	
1500 2½ " "	5.25	320 5 " "	4 51	48 9 in. pots in crate	$3.60
1500 2½ " "	6 00	210 6 " "	3.78	48 10 " "	4 80
1000 3 " "	5 00	144 6 " "	3 16	24 11 " "	3.60
800 3½ " "	5.80	120 7 " "	4.80	24 12 " "	4.80
500 4 " "	4.50	60 8 " "	4.20	12 14 " "	4.80
			3.00	6 16 " "	4 50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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The Best



BUG KILLER AND BLOOM SAVER

For PROOF Write to

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

THE J. J. FRIEDMAN CO.,
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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The Ideal Plant Food For Florists.

Write today for Prices and Booklet.
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Write today for new circular
TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
TILE SIDES
Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity
THE CAMP CONDUIT CO.
613 Euclid Ave. - - Cleveland, Ohio

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San Francisco

The Market

During the past week business was not quite so brisk as its predecessor, although shipping trade was fairly good and stock was cleaned up nicely through that channel. One of the leading florists in town informs me that the past month has been a record one with him in the amount of business done during June and, from inquiries which have been made at the leading stores in town, business must have been exceptionally good during that month. Taken on the whole, flowers of any description are very scarce, and the retailers can barely get enough to keep them going.

Carnations are none too plentiful, and the quality of the blooms is poor, the best blooms fetch 25c. per doz. wholesale, while medium grades bring from 15c. to 20c. per doz. Sweet Peas are still plentiful, although they lack quality; stems also are very short; 25c. to 50c. per doz. bunches is the average returu for them.

Roses are very scarce; a few Am. Beauty and Brunner are all that one can get at any price. Brunner sell at 25c. to 30c. per doz., while the best Am. Beauty fetch $1.50.

Orchids are remarkably scarce; a few Cattleya gigas and Phalænopsis amabilis being all that one can see. In green goods the supply is ample and prices average about the same.

Various Notes

F. Ludemann has sold the Pacific Nurseries to his son, who will now carry on the business which has flourished so long under the father's guidance. The city store of the Pacific Nursery has beeu sold to J. Van Kemp of San Francisco who will run it under his own name in the future.

The J. H. Sievers Nursery Co., on Polk st., have some exceptionally fine Cattleya gigas in flower at present.

J. B. Coryell of Menlo Park, well known in this section as an enthusiastic grower of Orchids, will leave here July 8 on an extended trip through Europe. Mr. Coryell intends to visit all the leading Orchid growers on the other side and will be gone for three months.

Henry Gertszien of Redwood City is busy benching his 'Mums at present. He has an exceptionally fine lot this year and I have uo doubt will make his presence felt when show time comes.

The California big trees only antedate the Christian era about 500 years, according to the statements of Prof. Willis L. Jepson of the botany department of the University of California, whose book on "Trees of California" has just been published. Professor Jepson states that Sequoias were the only survivors of a large family of trees, fossils alone of which remain. Untold centuries ago, he declares, their species were growing on the mountain slopes of Alaska and Asia, and only the California species of the family is alive today.

The MacRorie-McLaren Co. of San Francisco will erect a lath house over three hundred feet long at their nurseries at San Mateo for growing nursery stock of all descriptions; this promises to be, when completed, one of the finest houses of this description in the State of California.

J. Parker of Santa Cruz is busy at present stocking his new house with Cattleyas.

The bedding in front of Golden Gate Park conservatory continues to attract considerable attention, and crowds of people are daily to he seen admiring the intricate designs; there can be no doubt but this class of bedding appeals strongly to the people as a whole.

Luther Burbank, in a recent interview, states that he has over two thousand

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1365-1379 Flushing Ave. ESTABLISHED 1871 BROOKLYN, N. Y.

Clear Gulf Cypress
GREENHOUSE MATERIAL
Cut and Spliced Ready for Erection

Pecky Cypress for Benches
We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection
We carry the largest stock of
HOT-BED SASH
in the United States



OUR NEW
VENT APPARATUS
Will Lift Easy 100 Feet

GREENHOUSE GLASS
20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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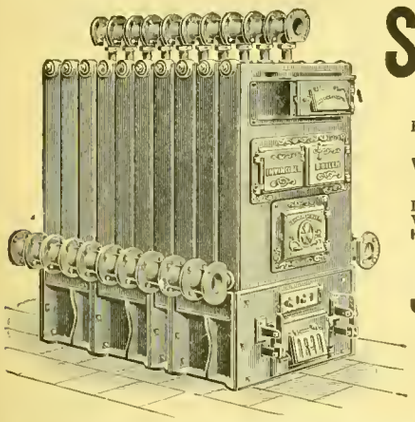

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For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

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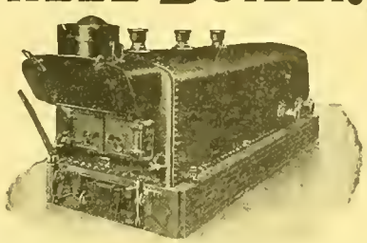
THE KROESCHELL BOILER

IS THE ONLY PERFECT

Hot Water Boiler



Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.

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KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

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The Heating of Greenhouses

by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

CHARLES H. DODD, Heating Engineer
576 to 580 Ocean Avenue, JERSEY CITY. N. J.
Cast Iron or Steel Boilers, Pipes, Valves, Fittings.
Estimates, Plans and Layouts.

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GLASS

Higher Prices Sure
Save on Construction or Repairs
Buy now. Write us for prices.

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TILE DRAINED LAND IS MORE PRODUCTIVE

ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. **Jackson's Round Drain Tile** meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

names on file, at his Santa Rosa office, of young men, who wish to obtain situations on his experimental grounds

The C. C. Morse Co., on Market st., state that reports coming in from their extensive seed farms all over California show that their seed crops will be very heavy this year; they mention that Sweet Peas are especially fine.

Geo. Pape of Berkeley, the well-known horticultural builder, has quite a number of contracts on hand for the erection of greenhouses; he states this has been his busiest year since he started business.

Domoto Bros. have finished the new greenhouse at their Elmhurst plant. This firm intends to go in heavily for Carnations this coming season.

Three new houses are at present being built, in connection with the botany department at Stanford University.

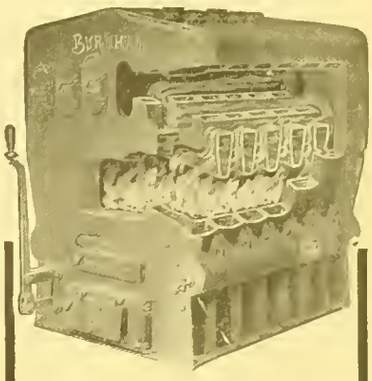
WM. MCM. BROWN.

Los Angeles, Cal.

The Fall Flower Show of the Pasadena Gardeners' Association will be held during the first week of November. D. M. Linnard, manager of the Hotel Maryland has offered the Association the free use of the new tennis court, or the lawn of the hotel, whichever may be desired, to pay for all electric lights, and, if necessary, inclose the space under canvas, and has further agreed to assist the gardeners in every practicable way to insure the Flower Show being a success. To be sure, the offer was accepted with thanks. Practically, it was a donation of $150 toward the expenses of the show. A canvass is being made for contributions to a premium fund, which is liberally subscribed to, and the schedule of premiums, which is to be published in pamphlet form, free from advertisements, will be ready for distribution about July 15; copies may be had by applying to Angus McLeod, secretary of the Association. These semi-annual exhibitions have become part of the civic and social life of Pasadena. The premiums will be larger than those offered at any previous exhibition given by the Association. The ambition of this Association is to have a horticultural hall of its own, large enough to accommodate the exhibits of skillful gardeners of California in semi-annual competition, and a free monthly exhibition at which lovers of plants, and those who come among us to make homes may acquire a knowledge of those trees and plants best adapted to the adornment of the home and its surroundings, in this peculiar climate. It is a fact that so great is the variety of trees, shrubs, herbaceous plants and annuals, that a monthly exhibit may be made, containing at least fifty species and twice that many varieties, without duplicating a single monthly exhibit. Moreover, a great multitude of these things flower during the interim of these semi-annual exhibitions, consequently, are never seen by the public.

The design of the hall is to be unlike any other in existence at the present time, in many particulars. Original and unique, it is to be one of the show places of Pasadena. In due time the design will be given to the public, in an illustrated article, that the world may know that we have men among us with beautiful dreams and the ability to make them real.

ANSONIA, CONN.—The florist store of J. W. Willis, in the Y. M. C. A. building, which has been closed for some time, has been renovated and will be reopened.



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The Burnham has the longest fire travel of any Cast Iron Sectional Boiler. A long fire travel makes a short coal bill.

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IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

Please mention the Exchange when writing.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
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Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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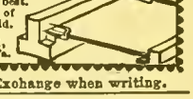
FULL SIZE No 2



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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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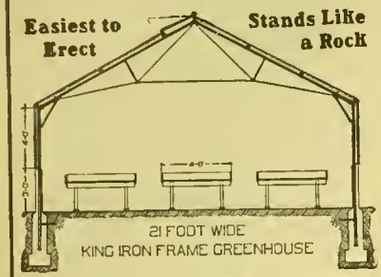
How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John . N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Nelpp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

WHY NOT YOU?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

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SEND FOR IT

It is the new 1910 Edition of our Handy Hand Book of Greenhouse Material. The many changes and improvements in our construction, fittings, boilers, etc., made it necessary to get out a new edition so you could keep up with what we are doing.

It contains a lot of things not in the old edition, and those that were in the old one are better shown and more fully described and illustrated.

It is now the handiest kind of a Handy Hand Book and the next time we drop around to see you, want to be sure to find it hanging on a nail in your work room. It has become one of the ear-marks of the up-to-date grower.



LORD AND BURNHAM COMPANY

IRVINGTON, N. Y.

New York St. James Bldg. | Boston Tremont Bldg. | Philadelphia Heed Bldg. | Chicago The Rookery

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Not In a Trust

Of Any Kind, nor do we belong to any combination of interests—just in the Greenhouse Material Business and making our goods the best we know how. And we know one or two things about making these goods too for we have had forty long years of experience. While we are not in a trust we trust our customers to trust us to give them the right kind of material, and we have at all times held such a trust as a sacred one. You can trust us every time and you'll not misplace your trust either. Send for one of the "trust" estimates, or one of our Catalogs:

No. 4. Greenhouse Materials.
No. 5. Boilers.
No. 6. Pipe and Fittings.

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you nee for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will gety ou to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
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Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

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CONCRETE BENCHES

Illustrating the easy manner with which our Concrete Benches can be installed in your houses.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

WILSON-HOYT CO.
ONE MADISON AVE.
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The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especia attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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Greenhouse Material of Louisiana Cypress and Hot-Bed Sash Washington Red Cedar



Greenhouse Hardware and Post — Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.

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Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

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ALL SIZES

16x24 A. & B. Double a Specialty

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Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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Exhibition and Meeting of the National Sweet Pea Society

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a mighty plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 3 NEW YORK AND CHICAGO, JULY 16, 1910 One Dollar Per Year

Amherst MASS
Widener Library

NEPHROLEPIS

Bostoniensis. We have a splendid lot of large specimen plants in 12-in. pots, at from **$5.00** to **$7.50** each; 6-in. at **50c.** each.

Elegantissima Improved. The finest of this type, never reverting to the Boston type. Fine plants, 2¼-in. pots, **$10.00** per 100; 4-in., **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

Superbissima. Extra heavy plants, 4-in. pots, **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

BEDDING STOCK

	Per 100
ABUTILON Savitzi, 2¼-in. pots	$4.00
ACALYPHA Musaica, 2¼-in. pots	6.00
AGERATUM, three sorts, 2¼-in. pots	3.00
ALTERNANTHERAS, three sorts, 2¼-in. pots	3.00
ALYSSUM, SWEET, 2¼-in. pots	3.00
ASTERS, assorted, 2¼-in. pots	3.00
CANNAS, finest sorts—**Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier,** and **Florence Vaughan,** strong plants, 3½-in. pots	6.00
COBEA Scandens, 2¼-in. pots	4.00
COLEUS, Golden Bedder, Verschaffeltii and asorted, 2¼-in. pots	3.00
CROTONS, assorted, 3½-in. pots	25.00
GERANIUMS, Dbl. assorted and Rose, 3½-in. pots	8.00
GERANIUMS, Mme. Sallerol, 2¼-in. pots	5.00
HELIOTROPE, 2¼-in. pots	3.00
MOONFLOWER, 2¼-in. pots	4.00
NASTURTIUMS, assorted, fine, 3-in. pots	4.00
PETUNIAS, 2¼-in. pots	4.00
SALVIA Splendens, 2¼-in. pots	3.00
VINCA variegata, 3½-in. pots	8.00
HYDRANGEA Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, **$1.50** per dozen.	
EGG PLANTS, New York Improved	4.00

F. R. PIERSON CO.

Tarrytown-on-Hudson NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

Begonias Gloire de Lorraine

Strong healthy plants, ready for immediate delivery, 2¼-inch pots, $15.00 per 100, $135.00 per 1000; 3-inch pots, $25.00 per 100, $200.00 per 1000; 4-inch pots, $35.00 per 100, $300.00 per 1000.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25.00 per 100; 5-inch pots, $5.00 per dozen, $35.00 per 100.

POINSETTIAS

3¼-inch pots, $8.00 per 100, $75.00 per 1000.

ADIANTUM FARLEYENSE

3-inch pots, $15.00 per 100.

BOSTON FERNS

First class plants, 7-inch pans, 75 cts. each; 8-inch pans, $1.00 each; ready for immediate delivery.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

GLASS A few hundred boxes 16x24 A. D. S. F. O. B. Buffalo, N. Y., or Erie, Pa., at right prices.
Get quotations before you buy elsewhere.

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

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CANNAS

CANNAS will be one of our strong points in the future. Not many kinds next Fall, only a few of the best, but a good many of a kind; so if you can use quantities of such kinds as **King Humbert, Alphonse Bouvier, Egandale, Florence Vaughan, Jean Tissot, Louisiana, Pennsylvania, President Myers, Richard Wallace,** etc., write us for special prices, naming quantity you can use. We will have a fine collection in 3-in. pots to offer next Spring.

Swainsona Alba .....3-in., $3.00 per 100.
Alyssum, Dwarf and Giant Double...3-in., 3.00 per 100.
Dahlia Roots: We are booking orders for Fall delivery. Send for list.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

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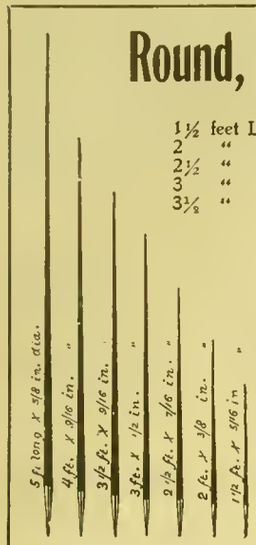
Round, Green Painted Plant Stakes



	Per 100		Per 100
1½ feet Light Stakes	$0.80	4 feet Light Stakes	$4.35
2 " " "	1.55	5 " " "	5.10
2½ " " "	2.25	3 " Heavy Stakes	4.25
3 " " "	2.90	4 " " "	5.75
3½ " " "	3.85	5 " " "	7.25
		6 " " "	8.75

	Trade Pkt.	Ounce
Cineraria Hybrida - -	$1.00	
Mignonette, Defiance - -	.15	$0.40
Pansy, Finest Blended - -	1.00	8.00
Primula Chinensis - -	1.00	
Primula Obconica - -	.25	
Stocks, Beauty of Nice - -	.25	2.50

Thompson's Special Chrysanthemum Manure	$6.00 per bag of 56 lbs.
Clay's Fertilizer - - - - -	$3.25 per bag of 56 lbs.
Sheep Manure - - - - -	100 lbs. $1.50, Ton, $24.00
Scotch Soot - - - - - -	$3.50 per bag of 100 lbs.
Tobacco Dust - - - - -	$2.00 per 100 lbs.

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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BODDINGTON'S QUALITY
Christmas-Flowering Sweet Peas
FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird (Pure White)	$0.20	$0.75	$1.25	$2.00
Boddington's Christmas Pink	.10	.40	.75	1.00
Boddington's Chrisimas White	.15	.50	.85	1.50
Mrs. E. Wild (Carmine)	.15	.50	.85	1.50
Mrs. Geo. Lewis (White-waved)	.15	.50	.85	1.50

New crop of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
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Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
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SOLE AGENTS FOR THE PACIFIC COAST FOR APHINE

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Hardy Lily Bulbs

We have the following Lily Bulbs, all in first class condition, just the thing for outside planting, or for forcing for August flowering.

The prices quoted are for case lots only.

	Per Case
4 cases, of 100 **Album,** 11/13	$20.00
5 cases, of 150 **Album,** 8/10	15.00
4 cases, of 160 **Album,** 9/10	20.00
8 cases, of 150 **Album,** 9/11	18.75
1 case, of 125 **Album,** 9/11	15.75
6 cases, of 100 **Melpomene** 11/13	11.00
6 cases, of 160 **Rubrum,** 9/10	12.50
8 cases, of 150 **Rubrum,** 9/11	12.00
4 cases, of 80 **Rubrum** 11/13	10.00
2 cases, of 60 **Rubrum** 13/15	12.00
1 case, of 120 **Rubrum** 9/11	9.50
7 cases, of 125 **Roseum** 9/11	10.00
4 cases, of 100 **Roseum** 11/13	14.00

BAMBOO CANES

For Chrysanthemums, Tender Young Plants and Trees

	Per 1000	Per Bundle
6 feet, 2000 to the bundle	$6.00	$11.00
8 " 1000 " "	9.00	9.00
12 " 100 " "	25.00	2.70
14 " 100 " "	35.00	3.70
16 " 50 " "	50 00	2.70

Stumpp & Walter Co 50 Barclay St. NEW YORK

Purchase Direct from French Grower Without Passing Through Dealer's Hands

HYACINTHS, Roman White, etc.
NARCISSUS, Grandiflora Paper White Trumpet Major, etc.
Freesia Refracta Alba, etc.

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Seasonable Seeds
FOR
Summer Sowing
ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

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We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

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JOHNSON'S Popular Pansies

	Large Trade Pkt. (2000 seeds)	Per Oz.
Azure Blue	$0.20	
Belgian Striped	.20	
Black (Faust)	.25	
Bronze	.25	
Emperor Frederick (new) dark red	.25	
Emperor William, ultramarine blue	.25	
English Large Flowering, fine mixed	.25	
Fire Dragon, fiery orange and bronze	.75	
Fire King, golden yellow, upper petals purple	.75	
French, large flowering, finest mixed	.80	
Gold Margined	.75	
Havana Brown	.75	
Lord Beaconsfield, deep purple violet	.75	
Mahogany colored	.20	.75
Meteor (new), bright brown	.20	.75
Peacock, ultramarine blue, deep claret and white	.20	.75
Prince Bismarck, beautiful golden bronze	.20	.75
Quadricolor, or Pheasant's Eye (Rainbow), beautiful	.20	.75
Red Riding Hood, red, free bloomer	.20	.80
Red Victoria (new) very fine	.20	.75
Snow Queen, satiny white	.20	.75
Striped and Mottled, large flowered	.20	.75
White, pure	.20	.75
White, with dark eye	.20	.75
Yellow, pure	.20	.75
Yellow, with dark eye	.10	.60
Fine mixed	.20	.75
Fine English Mixed	.20	.75

See Our Gi Pansy Offer in Last Issue

Johnson Seed mpany, 217 Market Street, PHILADELPHIA, PA.

Please m the Exchange when writing.

Japan Bamboo Ses

Strong and Dureble. For Lilies, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Delivery.

H. H. BERGER & CO.
70 Warren St., New City

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WINTER FLOWRING SWEET PAS

ALL COLORS
SEND FOR LI

ANTON C. ZVOLANEK, Bou rook, N. J.

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Seanable Seds
r the Frists
H. E KE SEED CO.,
Bon. Mass.

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RICKARDS BRO, Props.
Importers and Growers of High Grade

Seeds, Bulbs, lants, Etc.

37 EAST 19th ST., r Broadway,
Tel. 4235 Grmercy NEW YORK CITY

Please mention the Exchge when writing.

Asparagus Plumosus Nanus

NEW CROP—GREEHOUSE GROWN

100 Seeds.....$0.50 00 Seeds.....$2.00
1000 Seeds....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catal free on application

THE MOORE SEED CO. 339 Market Street PHILADELPHIA, PA.

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Cultre Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

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Contract Seed Growers

BEAN, CUCUMBER, TOMATO,
Radish, Pea, Muskmelon,
Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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Cineraria Seed

Large-Flowered Prize, Splendid Mixed, Trade Pkt 50 cents.

Large-Flowered-Prize Dwarf, Splendid Mixed, Trade Pkt.. 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

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BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP

Grown by some of the most competent private gardners in the country.

Write for special prices.

BURNETT BROS.,
Importers and Growers
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Telephone 2223 Cortlandt

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CINERARIAS—W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street NEW YORK

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ½ pkt. 50c.

I have several thousand small Paney plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

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F. E.—Best Advertising Medium

PRIMROSES

IMPROVED CHINESE Finest grown All colors mixed, single and double, strong 2-in., $2.00 per 100.

CYCLAMEN GIGANTEUM Very extra fine, 4-in., ready for 5 or 6-in. pots, $10.00 per 100.

XXX SEEDS

CHINESE PRIMROSE, finest grown, single and double mixed; ½ pkt. 50c., 500 seeds, $1.00, 1000 seeds, $1.50.

PRIMULA KEWENSIS, the great and grand new, Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

CINERARIA, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

GIANT DAISIES (Bellis), extra large and fine, mixed. Trade pkt. 25c.

PRIMULA OBCONICA, New Giants, 1500 seeds, 50c.

CALCEOLARIA, Dwarf Giant Spotted. Pkt. 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—July 2, 3 and 4.—F. B. Vandegrift & Co., 14 cases Palm seeds; P. Henderson & Co., 15 cases Mushroom spawn. July 5.—Maltus & Ware, 2 cases living plants; Carillo & Baldwin, 1 case live plants. July 6.—Maltus & Ware, 11 case live plants; Kennedy & Moon, 8 bags garden seed. July 7.—H. Nungesser & Co., 375 bbls. Grass seeds; Reed & Miller, 5 cases dry plants; Maltus &Ware, 117 cases live plants.

LOUISVILLE, KY.—A discouraging report comes from the Bluegrass section with regard to the Bluegrass and Orchard Grass crops, which have heretofore been staples in the Kentucky seed trade. The continued rains and cold weather that held sway in the earlier part of Spring, with the following drought which has prevailed for some time, have caused a serious decline in prospects. The most optimistically inclined place the amount of Bluegrass that will be realized at only one-third of the usual crop. Orchard Grass having been damaged to the extent of about 25 per cent. to 35 per cent. The extent of the damage to the Timothy crop cannot be learned at this early date but it is believed to be widespread, with the same conditions prevailing with regard to the red-top seed crop. G. D. C., JR.

European Notes

The end of June finds crops looking very green and succulent where they are healthy, and ready for the ripening influence of the sun which does not appear to be forthcoming.

One the contrary, a cold rough and rather wet wind is blowing with only very slight intermissions over western and northern France and the seed growing sections in the southern parts of England. In Germany, from Dresden to Hanover, very similar conditions are reported, but Holland growers appear to be having a better time, and they sadly need it.

Turnip seed is rapidly approaching maturity and the "bladdered pods" are consequently more in evidence. The development of these could easily have been foretold early in May when the blighting northeast winds were so persistent. The Rutabagas have apparently suffered more than the soft, early table Turnips, a large

WARD'S LILY BULBS



"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready
COLD STORAGE LILY OF THE VALLEY PIPS

French Grown Pansy Seed

At Reduced Prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.60
Fairy Queen	.50
Peacock	.60
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75
Thorburn's Superb Mixed	4.00

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

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I Grow My Own Seed —All True to Name

CLEMATIS PANICULATA, out of 2-in. pots, $2.00 per 100. 25,000 seedlings of CLEMATIS PANICULATA, $7.50 per 1000; 250 at 1000 rates.
DRACAENA INDIVISA, out of 3-in. pots, very strong, $4.50 per 100; out of 2-in. pots, strong, $2.25 per 100. Extra fine. Cash with order, please.

SAMUEL V. SMITH
3323 Goodman St., Philadelphia, Pa.

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SCHLEGEL & FOTTLER CO.
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For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

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Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

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Valkier en Zoon, BULB GROWERS Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.

AGENT FOR THE UNITED STATES

CHRIS. VAN SCHAIK, Care of Isaac the Visser R. F. D. No. 1 **Paterson, N. J.**

Write for Prices

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Vegetable Plants

CABBAGE, Danish Ballhead and Surehead, per 100 25c., per 1000 $1.50.
CELERY, Golden Self-Blanching, Golden Heart, and White Plume, per 100 25c., per 1000 $1.50.
BRUSSELS SPROUTS and **ENDIVE,** per 100 25c., per 1000 $1.50.

ASPARAGUS Plumosus and Sprengeri, 2¼-in. pots, $2.00 per 100, $17.50 per 1000.
ASPARAGUS Plumosus, from bench, 2 years old, $5.00 per 100.
SMILAX, 2¼-in. pots, $2.00 per 100, $15.00 per 1000.
CHRYSANTHEMUMS, Minnie Bailey, Dr. Enguehard, Golden Glow, and Lulu, 2¼-in pots, $2.00 per 100, $15.00 per 1000.

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Cabbage Plants

Wakefield, Winnigstadt, Summer Succession, Volga, Savoy, Flat Dutch, Danish Ballhead, Autumn King and Mammoth Red Rock, $1.00 per 1000.
CAULIFLOWER PLANTS, Erfurt, Favorite and Snowball, 30c. per 100, $2.50 per 1000.

S. G. BENJAMIN, Fishkill, N. Y.

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Vegetable Plants

Five Million (5,000,000) strong and stocky **CABBAGE PLANTS**—Flat Dutch, Autumn King or World Beater, Sure Head and Danish Ball Head, $1.00 per 1000, $8.00 per 10,000. **PARSLEY,** double curled, 25c. per 100, $1.25 per 1000. Also **CELERY** and **LETTUCE PLANTS.** Every one a plant. Satisfaction guaranteed.

Elmer Rawlings WHOLESALE GROWER OLEAN, N. Y.

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By GEO. W. OLIVER

Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C.

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The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

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Strawberry Plants

Best fancy strawberry known. We have developed a fine strain of this variety. Potted plants or layer plants with a ball of earth for Summer or Fall planting. Will bear next year. Extra large and vigorous, 50c. per dozen, $1.50 for 50, $2.50 for 100. Special price for larger lots.

Go to Headquarters

HOPE FARM, Woodcliff Lake, New Jersey

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CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

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DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

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Peacock's
PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Manie, Big Chief, $2.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

field of the former having dropped in the writers estimation from 2000 pounds to 500 pounds per acre in less than five weeks, and the full extent of the damage done is not yet known. Fortunately, we can bear the loss of Rutahaga more complacently than garden Turnips, for a slight falling off in the home demand enables us to carry over quite a little seed.

The demand for Turnip seed is simply phenomenal, and the prices realized for the same leave a fair margin of profit for all. Of course, the knowledge of this fact, and participation in the benefits has stiffened the backs of the growers in regard to next year's transactions. It is an open secret that with very few exceptions all the great warehouses are empty, and consequently a full two years' supply will have to be grown.

The fall in the price of grain would have enabled us to do this on a fairly reasonable basis, but unfortunately interested speculators on your continent are persistently disseminating, through the medium of an unscrupulous press, alarming reports of the failure of the wheat crop in Argentina and other wheat producing countries, and the European farmer clings to the hope that the decline in value is only temporary and arrangements are consequently being made to grow Wheat on a very large scale again next year, and Turnip, Rutahaga and Mangel will be left severely alone. This is especially true of the Strap-leaved section, which the intelligent growers cordially detest.

Radishes in western France are having a very rough time, as the following extract from a letter just received from our "chef des cultures" now in that district testifies: "The second floods caused by the terrible thunderstorm four weeks ago are just now commencing to recede, but for a kilometer each side of the river Anthion everything is under water."

EUROPEAN SEEDS.

Relative to French seed crops, see Chas. Johnson's letter under "Our Readers' Views."

American Notes

Trade Continues Quiet

The past week brought a little business for those seasonable seeds which can still be planted; but it has been very apparent in many sections that the dry weather has much reduced the sales even in this quiet time. For while much needed rains have broken what had become a real drought in Iowa, Wisconsin and other western States, still the great need of rain generally is causing the greatest anxiety regarding the outcome of the garden crops. So dry has it been in many sections that forest fires have been raging for some time past, causing much damage. The Government crop report of July first also confirms the not over bright prospects for the general growing crops, as it gives their average condition as fully five per cent. lower than a year ago at this time, and some four per cent. lower than the average condition on July first for the past ten years.

The traveling salesmen report advance orders for seeds which are being booked for 1911 sales as very satisfactory, both in numbers and quantities; it is evidently very general opinion that the growing seed crops will not, even under the most favorable growing weather from now on, yield seed harvests large enough to reduce present quoted rates at all materially. The sustained higher average of seed prices, as compared with the rates of say five years ago and previously, are not at all an unmixed evil; as it is most apparent that with higher seed prices establishing themselves, more and more attention and care is being given by all seed growers to improved seed qualities. The real fundamental cause, the last half dozen years, of higher seed prices, apart from larger or smaller seed crop yields, is the fact that demand has outstripped supply, and the natural result has followed.

Celery Plants

At this season of the seedsman's Mid-summer catalog, it is very pleasing and certainly plainly illustrates the fact of the ever increasing sales of vegetable plants with the seedsmen, to note how prominently Celery plants have been listed. It is only within a comparatively few years that plant sales in this direction have reached their present enormous proportions, and dealers will find Celery

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON

BALTIMORE, MD.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.
CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and **CELERIAC,** best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.
CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

A1 STOCK ASTERS, best varieties, transplanted $5.00 per 1000; **DRACAENA Indivisa,** 4 inch, $15.00 per 100; **IVY GERANIUMS** Mixed 2½ and 3 inch, $2.50 and $5.00 per 100; **GERANIUMS, S. A. Nutt** and **Standard Varieties,** 4 inch, $8.00 per 100; **ASPARAGUS SPRENGERI** 4½ inch, $8.00 per 100; **GERMAN IVY,** 3 inch $6.00 per 100; **COLEUS, Golden Bedder and Verschaffeltii** 2 inch $2.00 per 100; **CANNAS** from flats, **Commercial Varieties,** $4.00 per 100; **VERBENAS,** 2½ inch $2.50 per 100.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

HEADQUARTERS FOR
GLADIOLI
and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Order Now

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

Begonia
Gloire de Lorraine

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2¼-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.



PANSY SEED

ORDERS BOOKED NOW

MICHELL'S GIANT EXHIBITION MIXED

A Giant Strain which we have secured from the leading Pansy Specialists in England, Germany, and France, which for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade pkt. 50 cents, 75 cents per ⅛ ounce, per ounce $5.00.

MICHELL'S GIANT PRIZE STRAIN

Our Giant Prize Panels should not be compared with the ordinary Giant Trimardeau, as the seed we offer will produce flowers of much heavier texture.

	Tr. pkt.	Oz.
Giant Prize Azure Blue	$0.40	$1.50
" " Black Blue	.40	1.50
" " Emperor William	.40	1.50
" " Hortensia Red	.40	2.00
" " Lord Beaconsfield	.40	1.50
Giant Prize Snow Queen (pure white)	$0.40	$1.50
" " White, with Eye	.40	1.50
" " Pure Yellow	.40	1.50
" " Yellow, with Eye	.40	1.50

Our Summer Wholesale List of Seeds, Bulbs, etc., free for the asking.

HENRY F. MICHELL CO., 10th and Market Sts. Philadelphia, Pa.

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARRIVED THIS WEEK

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 " (333 to case)	6.50	60.00
7-9 " (200 to case)	9.50	85.00
9-11 " (100 to case)	Scarce	

FREESIA

White Bermuda

	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write for it.

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

Please mention the Exchange when writing.

L. DÆHNFELDT, Odense, Denmark

MOST IMPORTANT SEED-GROWER IN SCANDINAVIA (5000 ACRES)

Established 1850

MY SPECIALTIES FOR EXPORT ARE

DWARF ERFURT CAULIFLOWER and DANISH BALLHEAD CABBAGE

Send me, for delivery after harvest, a trial order; and you will in future constantly be my customer. Quotations and catalogues sent on application.

Please mention the Exchange when writing.

plants, in particular, to be most excellent sellers, and help out business very much at this quiet time. There are several standard varieties which always enjoy a ready sale; but be sure that the best quality of transplanted plants are secured, as purchasers are very discriminating and unless they can have large, strong, transplanted Celery plants, will refuse to purchase any; on the other hand, the best plants go fast.

Among the most called for varieties will be found the Boston Market, the favorite short-growing white variety, which is so solid and crisp. The Improved White Plume is another much liked sort, it is almost self-blanching, early, of good flavor and fine texture, and above all a sturdy grower. The Golden Self-Blanching is a great favorite, and for early use one of the very best sorts; it is, as its name implies, a self-blanching variety, of a rich golden yellow color; crisp, tender and delicious. There are, of course, many other sorts besides those mentioned, which are very popular in plants; such as, Golden Dwarf, Fin de Siecle, Perfection Heartwell, Giant Pascal, etc., but it will be an easy matter to arrange with your plant grower for a supply of those varieties which are most in demand in your section. Celery plants are a very satisfactory item for July sales and bring customers for other seasonable seeds, as well. V.

New York Seed Trade

Continued quiet trade is the story of the week with the seedsmen. A few seasonable seeds, pot-grown Strawberry plants, Celery and other vegetable plants for late plantings, and a good demand for the full line of insecticides, make up most of the orders. In turn, employer and employee are taking their vacations, and so the month of the least seed sales is passing.

Major Charles P. Braslan of the Braslan Seed Growing Co. of San José, Cal., who returned from Europe this week, says that because of the damage done by European floods this Spring, he found a strong demand there for American seed and stated that American seed growers will profit largely because of the destruction of European seed crops. One county in California, said Major Braslan, has sold between $600,000 and $700,000 worth of seed in Europe this year.

Wm. Elliott & Sons are mailing their usual Mid-summer catalogue, which this season contains offerings of a particularly choice list of pot-grown Strawberry and other seasonable vegetable plants, a special feature being collections of pot-grown Strawberry plants of from 32 to 2400 plants, assorted in early, medium and late varieties.

The extreme and continued heat so suddenly following an unusually cold June, has resulted in the unwelcome arrival of hordes of bugs, worms, plant lice and caterpillars, which has, of course, resulted in a very strong demand for insecticides of all kinds.

J. H. Walter, the president of the Stumpp & Walter Co., is with his family enjoying a vacation in Maine.

Our seedsmen have been greatly interested in the series of lectures on horticultural topics, which, under the auspices of the New York State College of Agriculture, have been going on at Stony Brook, L. I., this week. Professor L. H. Bailey, spoke on "The Country Life Movement of America"; and H. B. Fullerton, agriculturist of the L. I. R. R., on "The Lure of the Land." There were many other papers delivered by recognized authorities along this same line; surely, it is such meetings as this that are giving the wonderful increasing impetus to family garden making.

Wm. E. Marshall & Co. report a bright outlook for Autumn bulb trade, advance orders along this line for both French and Dutch stock being much ahead of a year ago.

Harry A. Bunyard deserves much credit for all the hard work he has put in to make the second annual exhibition of the National Sweet Pea Society of America a success.

Weeber & Don report an unusual demand for their special strains of Cinerarias; in fact, they find a good inquiry for all seasonable florists' flower seeds.

It is now practically certain, as outlined in recent leters received by several New York seedsmen from their foreign correspondents, that high seed prices, fully on a par with the past season, must rule for another year at least.

Burnett Brothers, who recently added to their establishment another entire floor of the building they occupy at 72 Cortlandt st. as a grass seed department, are expecting a strong demand this late Summer and Autumn along these lines.



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Philadelphia Seed Trade

Careful observation during the regular calls upon the seedsmen failed to detect any in the act of selling seeds, therefore it is to be presumed that no one of them recently has been guilty of such an act.

At Henry A. Dreer's the window scene has changed again and this week there is an interesting display of aquatics skillfully arranged in a pond edged with Ferns; among these may be mentioned those odd aquatics, the Water Hyacinth and Water Chestnut, and the variegated Sweet Flag. Among the hardy Nymphæas may be noted a beautiful white named Tuberosa Richardsonii, and a very showy red one named Marliacea rubra punctata.

PANSY SEED TIME



CHALL ENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.60	$2.00
Giant Prefiosa. Crimson-rose, white margin, violet blotch	.15	.50	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color.	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflorn, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

Stokes' Standard Mixed Pansy

is the finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade Packet (2000 Seeds) 50c., ⅛ oz. 75c., ½ oz. $2.75, 1 oz. $5.00, ¼ lb. $20.00.

KINGLY COLLECTION OF GIANT PANSIES MIXED

Trade Packet (2000 seeds) 40c., ⅛ oz. 60c., ½ oz. $1.85, 1 oz. $3.50, ¼ lb. $13.50.

NAMED MIXTURES OF GIANT PANSIES

	Trade pkt	Oz.
Giant Odier. Large blotched, Show Pansy	$0.35	$1.50
Bugnot's Superb Blotched. Very Large French Strain	.35	2.50
Giant Trimardeau. Immense size and beautiful colors	.25	1.25
Cassier's Giant Blotched. Unsurpassed Quality	.35	3.00
Cassier's Golden Yellow, Five Blotched. Very fine	.40	4.00
Giant Parisian. Great diversity of gay colors	.30	2.00
Pres. Carnot. Large white with violet blotches	$0.30	$2.00
New Orchid Flowered. Shades of chamois, terra-cotta, pink lilac, rose and orange	.35	3.00
English Large Flowering. Fine mixed	.25	1.25
Imperial German. Show Pansies	.30	2.00
Fine English Mixed	.20	.75
Good Mixed	.15	.50

STOKES' SEED STORE, 219 Market St., Philadelphia, Pa

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.50	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marlenthal	.60	5.00
Salmineum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed	.75	5.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

The American Carnation Price $3.50

A. T. De La Mare Ptg. & Pub. Co., New York

The new greenhouse at the Stokes range will be used for growing Lilium longiflorum and Narcissus alba grandiflora. Mr. Stokes is now in France traveling northward into Germany where he will inspect the growing of Lily of the Valley. George Atkinson, Mr. Stokes' manager, reports that he is now testing out the Cabbage and Onion seeds, and this week and next will show the results which are now very promising.

The Michells are busy with their lists at Torresdale and are exceedingly gratified at the results in the test of their Petunia seeds, the percentage of double blooms being very large and the quality of the blooms very fine. At their store, 1018 Market st, they have a display of ten kinds of wax and thirteen kinds of green pod Beans picked at their trial grounds at Torresdale, Pa. Ten of the ninety employees at their two stores are now on their vacations.

The Johnson Seed Co. is already booking some orders for its celebrated strain of Kingly Prize Pansies.

Boston Seed Trade

The Fottler-Fiske-Rawson Seed Co.

The consolidation of the seed firms of Schlegel & Fottler Co., H. E. Fiske Seed Co. and W. W. Rawson & Co., which we reported was rumored three weeks ago, has taken place with headquarters at 12 and 13 Faneuil Square Hall, the present location of the H. E. Fiske Seed Co. The building is now undergoing extensive repairs in order to give it capacity to do the business of the three firms under one roof; large storage outside will also be provided. The two consolidating firms will be moved into this building as soon as the necessary arrangements are complete and an inventory of stock has been taken.

The concern will be known as the Fottler-Fiske-Rawson Seed Co., and it is the intention of the new firm to run one of the most up to date seed stores in New England. The president of the new corporation is John Fottler; treasurer, W. C. Briggs of the H. E. Fiske Seed Co.; secretary, H. W. Rawson, who will not be actively interested in the new firm. The vice-president and general manager will be H. E. Fiske, well known to the seed trade throughout the country for the great success he has achieved since he started in business. The seed store of W. W. Rawson & Co. has been closed since July 6. The Schlegel & Fottler Co. store is still open and doing business at the old stand. Practically all the employees of the H. E. Fiske Seed Co. and of the Schlegel and Fottler Co. will be retained.

Maurice Fuld, formerly manager of W. W. Rawson & Co., is at present with the Wonderland Co. at Revere Beach, Mass., and is considering offers for a Fall engagement.

A. E. Holland, who has charge of the vegetable department of R. & J. Farquhar & Co., is in the Middle West inspecting the Pea crops in the interest of his firm.

Frank Murray, who has been with the Schlegel & Fottler Co. for the past six years and a half is now with R. & J. Farquhar & Co., and is to travel for them in the New England States. He is a quiet unassuming man and quite a favorite among the gardeners and others. We wish him much success in his new position.

All the seed stores during the Summer months close at one o'clock on Saturday.

Peter Miller of the Thomas J. Grey Co., who is also vice-president of the Gardeners and Florists' Club, is working hard in the interest of the Club and has secured many valuable prizes for the different sports at the coming picnic. The last Ladies' Night at the Club was said to be the best it has ever held and the greater part of the credit therefore belongs to Mr. Miller for the talent he procured for that evening's entertainment.

John Van Leeuwen, superintendent of the R. and J. Farquhar & Co. nurseries, is in New York State at the present time inspecting all the large nurseries.

Thomas J. Grey Co. report satisfactory business for this season; they are shipping large consignments of tools to farmers and others all over New England at the present time.

William Collins of the seed department of Joseph Breck & Son, who is quite an athlete, is practising steadily now for the big events in the coming picnic of the G. & F. Club.

John Beaton of the seed department of R. & J. Farquhar & Co., who suffered so much from rheumatism last Winter and this Spring, is recuperating from his ailments at Chatham and is enjoying the salt water very much. R. C.

Insecticides and Fumigants to be Under Government Supervision

It is stated from Washington that a Government Board has been created to draft regulations governing importations

GIANT **PANSY** SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue** and **Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, stripped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, **$1.00**; ¼ ounce, **$1.50**; ½ ounce, **$2.50**; 1 ounce, **$5.00**; ¼ pound, **$14.00**; ½ pound, **$25.00**; 1 pound, **$50.00. Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Paney Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Charters, sep. colors or mixed	.60	.10
Hollyhock, Everblooming, New Strain	.60	.10
Primrose, Chinese, Prize Strain.		.25
Cinerraria, Sutton's Prize Strain		.25
Mignonette, Imperial Strain, greenhouse grown	3.00	.25
Pansy Giant, the best of all	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Grange, BALTIMORE, MD

Please mention the Exchange when writing.

DRACAENA INDIVISA A Fine Stock In All Sizes. 4 in., 10c. and 12c.; 5 in., 20c. and 25c.; 6 in., 35c.
SCOTTII FERNS, 6 in., 40c. & 50c. each; 4 in., 15c. each; and 2¼ in., $4.00 per 100.
COCOS WEDDELLIANA, 2¼ in., 10c. each, $9.00 per 100.
ASPARAGUS PLUMOSUS, 2¼ in., strong, $3.00 per 100; 4 in., $10.00 per 100.
SALVIA BONFIRE, 2¼ in., $2.50 per 100.
TABLE FERNS, in nice assortment, bushy stock, $3.00 per 100.
HENRY WESTON, Hempstead, N.Y.
Please mention the Exchange when writing.

FERNS MY SPECIALTY
Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS
Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.
(Satisfaction and safe arrival guaranteed or money refunded.)
Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.
Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 6-in., $1.75 each.
J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

CYCLAMEN
PERSICUM GIGANTEUM
Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.
Give us a trial; we can please you!
J. W. MILLER
Shiremanstown, Pa.
Please mention the Exchange when writing.

CYCLAMEN
Splendens Giganteum Hybrids
The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.
Primula obconica grandiflora Ronsdorfer and Lattmans Hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.
PAUL MADER,
East Stroudsburg, PA.
Please mention the Exchange when writing.

POINSETTIAS
Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.
WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.
PAUL J. BURGEVIN, PORT CHESTER, N. Y.
Please mention the Exchange when writing.

ASPARAGUS SPRENGERI
Strong, from 2-in. pots **$2.00** per 100.
CYPERUS ALTERNIFOLIUS (Umbrella Plant)
2-in. very fine, from seed, **$2.00** per 100.
Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention advertisement in the Exchange.

Fern Seedlings in Flats
IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.
Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, all sold; new stock ready by September 1.
Only 5000 **KENTIA Belmoreana** in 2¼-in. pots left.
Also a large stock of **BOSTON FERNS,** from bench, for 5, 6, 7 in. pots, ready September 1.
Prices on application.
B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.
Please mention the Exchange when writing.

FERNS FERNS
Assorted Ferns for Jardinieres, in 3 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.
Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.
THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

FERNS
BOSTON, SCOTTII and WHITMANI
September delivery. Get our prices.
SEA CLIFF NURSERIES, Sea Cliff, N. Y.
Please mention the Exchange when writing.

BENCH FERNS
All fine, bushy, new growth:
Scholzeli, best house Fern, for 4-in. 18c., 5-in. 25c., 6-in. 35c. **Boston** and **Whitmani,** for 5-6 in. 20c. **Amerpohli** and **Scottii,** for 4-in. 12c. **Bostons,** 10c.
ASPARAGUS Plumosus, 3½c., **Sprengeri,** 3c. Strong 3-in.
Gov. Herrick Violets, strong plants, $1.50 per 100. Cash Please.
WILLIAM S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

Smilax Plants
Strong plants from 2 inch pots, $1.00 per 100; $9.00 per 1000.
R. KILBOURN, Clinton, N. Y.
Please mention the Exchange when writing.

STEVIA FOR SALE
$2.00 per 100.
$15.00 per 1000.
PAUL FISCHER, Bergen County **Wood-Ridge, N. J.**
Please mention the Exchange when writing.

VIOLETS—VIOLETS
Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.
Cash with order.
WM. J. CHINNICK, Trenton, N. J.
Please mention the Exchange when writing.

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F. E. — Alive and Up-to-Date

Asparagus
	Per 100
Sprengeri, 2¼-in. pots,	$2.00
PANSY SEED, NEW CROP, GIANT FLOWERING, Ounce	$4.00

Primroses
Ready July 15. Per 100
Chinese and Forbesii $2.00
Obconica alba and rosea 3.00
Obconica giganten 3.00
Cash Please
JOS. H. CUNNINGHAM, Delaware, O.
Please mention the Exchange when writing.

of insecticides and fumigating preparations and the manufacture of such compounds in the United States. It is composed of Royal E. Cabell, Commissioner of Internal Revenue, representing the Treasury Department; Charles Earl, solicitor of the Department of Commerce and Labor, and George F. McCabe, solicitor of the Department of Agriculture. The Treasury is interested from the fact that tobacco is one of the ingredients of many insecticides and fumigants. Under a law passed by Congress the Board will prepare regulations insuring the purity of insecticides and fumigants manufactured in this country and those imported.

Successful Plant Raising by Electricity

The Agricultural Institute at Dahlem, Germany, is continuing its electrical cultural experiments. One of the three fields on which useful plants of all kinds are raised, especially Spinach, Lettuce, Radishes and Strawberries, is treated with atmospheric electricity, which will be obtained through a captive balloon held by a wire rope. The two other fields are subjected to a weak direct current generated through telephone wire which is strung 15 1-100 in. apart, about 6½ ft. above the ground. The results last year have been widely different, depending to a very great extent on the weather and on the season of the year. The fields treated with electricity yielded in every case a larger crop than the corresponding fields not so treated, but the crops treated with the strong current had increased only by 90 to 100 per cent., while the increase with weak currents amounted to 100 to 125 per cent. As the crop of that field treated with aerial electricity turned out the best and showed an increase of 140 per cent., especial attention will be devoted to this method.—*Der Handelsgaertner.*

The experiments made in various parts of Germany of growing plants subject to the influence of electricity, show some very striking results, according to the Handelsgaertner. With various kinds of grain the crop was increased from 8 to nearly 20 per cent. In Beets the sugar was increased as much as 44 per cent. In the case of certain vegetables it was found that the apparent injurious effect of the electricity could be counteracted by special treatment, especially in regard to the supply of water. Strawberries showed particularly favorable results, since the period of ripening, which ordinarily takes 45 days, was reduced to a month. It is a curious fact to note that positive electricity produced even better results than negative electricity, the difference in the time of maturity, in using the former, being no less than five days.

Publications Received

REPORT OF THE MARYLAND STATE HORTICULTURAL SOCIETY, Vol. 12.—Includes report of the Summer meeting held at Mountain Lake Park, July 30 to August 2, and the twelfth annual meeting held in the Fifth Regiment Armory, Baltimore, Dec. 2 and 3, 1909.

Printed Matter Received

Printed matter, issued by the manufacturers, Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y., covering the beneficial effects arising from the use of Grape Dust, Slug Shot (with special reference just now to its destruction of the Cabbage worms), Horicum for San José Scale and Cattle Comfort.

Catalogs Received

J. T. LOVETT, Monmouth Nursery, Little Silver, N. J.—Catalog of Pot-Grown Strawberry Plants for the Season of 1910.

J. M. THORBURN & CO., New York. —Wholesale Trade Price List of High-class Bulbs for Forcing and Outdoor Planting for the Fall of 1910.

FERNS
Assorted varieties for dishes, strong plants, from 2¼-in. pots, $2.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.
COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.
KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.
FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

Ferns in Flats
All The Leading Sorts
One hundred and ten large clumps in a flat, can be divided, ready June 1.
Terms and price on application to,
EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

ASPARAGUS Plumosus Nanus Seedlings
$1.00 per 100, **$10.00** per 1000
Cash with order.
FLORAL HILL GARDENS, Chatham, N. J.
G. F. NEIPP, Prop.
Please mention the Exchange when writing.

FERNS and CROTONS
WILL BE OUR SPECIALTIES THIS FALL
We will have a fine lot to offer by August 15th
R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

WHITMANI FERNS
2½-in., $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.
Nephrolepis Magnifica, 2½-in., $15.00 per 100.
HENRY H. BARROWS & SON
WHITMAN, MASS.
Please mention the Exchange when writing.

Smilax—Asparagus—Geraniums
SMILAX, 2¼-in., $2.00 per 100; $18.00 per 1000.
ASPARAGUS Plumosus Nanus, 3-in., $6.00 per 100.
ASPARAGUS Sprengeri, 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUMS, S. A. Nutt, 2¼-in., $2.00 per 100, $18.00 per 1000. Cash with order.
C. A. PETERSON, Madison, N. J.
Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
ROSE GERANIUMS, 3-in. pots, $4.00 per 100.
CHRYSANTHEMUMS, Golden Glow, White Cloud, Pacific Supreme, Ivory, Bailey, Lulu and Klondike, 2½-in. pots, $3.00 per 100.
BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.
FERNS, Assorted Varieties, 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.
POINSETTIAS, 3-in. pots, $5.00 per 100.
SALVIA Bonfire, 3-in. pots, $3.00 per 100.
PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen.
ACALYPHA, 3-in. pots, $4.00 per 100.
C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.
Please mention the Exchange when writing.

F. E.—Best Advertising Medium

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
Cl. Jules Margottin
Frau Karl Druschki
Killarney
Gen. Jacqueminot
Gruss an Teplitz
Hermosa
La France
L. Van Houtte
Magna Charta
Mrs. J. Laing
Ulrich Brunner
Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

FOR SALE White Specimen Azaleas
White Specimen Camellias

White Specimen Azaleas, grown in square tubs, plants from 4 feet by 4 feet to 9 feet by 9 feet, price 10s. to £5 each, ready for early forcing for cut flowers; also

White Specimen Camellias, 12 feet by 9 feet, £5 each.

GEORGE CLARK, Nurseryman

Priory Lane, Putney, London, S. W., England

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

P. OUWERKERK
216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ. Prince Bay, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.

Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries
OUDENBOSCH, HOLLAND

Proprietors { U. J. Heerma Van Vose
H. A. M. Swellenorebel

Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality

Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass

Please mention the Exchange when writing.

August Haerens
Somergem, Belgium

Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

Please mention the Exchange when writing.

KOSTER & CO.
HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

500,000 California Privet
FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

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W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

EVANSTON, ILL.—The Frank Kadlee Nursery Company, has been incorporated with a capital of $50,000 to do a general nursery business. Frank Kadlee, Harry T. Kadlee and Herbert H. Kordt are incorporators.

SALT LAKE CITY, UTAH.—The Western Nursery Company of Logan has filed articles of incorporation with the Secretary of State. The company has a capital stock of $10,000, with shares at the par value of $1 each. The officers are: F. E. Clark, president; H. C. Clark, vice-president; G. D. Cardon, secretary; Katherine S. Clark, treasurer.

PETERSBURG, VA.—The Arrowfield Nursery Co. has been chartered, with W. N. Roper of Petersburg as president; E. M. Hutt of Raleigh, N. C., vice-president, and W. N. Hutt of Raleigh, as secretary and treasurer. The capital stock is $2500 to $25,000, and the purposes are the cultivation and selling of flowers, fruit and ornamental trees, etc. The principal office will be in Petersburg.

Odoriferous Mock Oranges

The Mock Orange season has just left us, ending with the third week in June, and the flowering of these shrubs gave an opportunity to test them again for sweet odor.

It will be a hard task for the one who attempts to displace from the head of the list the old one, Philadelphus coronarius owing, first of all, to its refreshing odor, and, secondly, to its robust character of growth. There is no other one approaches it in these admirable qualities. The next best one for sweet perfume is the Lemoinei, in fact, many prefer it, it having what is termed a lemon fragrance, very pleasing to everyone. But in habit of growth it is the opposite of coronarius, making slim, upright shoots, almost of the nature of those of the old Spiræa prunifolia, but slightly heavier. But it certainly is a prize one where pleasing perfume is desired.

Of the older type, represented by coronarius, already mentioned, there are quite a number, Zeyheri, Columbianus, Gordonianus, etc., and it is wrong to say there is no odor to them. These is more or less odor to all of them, but while admitting this no one must think any of them are the equal of coronarius, for they are not. Nearly all have freer growth than coronarius, which is not a rapid grower.

The Cherry and Pear Slug

The small, slimy, black slug, which attacks the foliage of both the Cherry and the Pear, often doing much damage as well as disfiguring the leaves, is at times a great pest to nurserymen who have blocks of young trees, as well as to the customers they sell them to. Fortunately there is but little trouble to get rid of them, as almost any substance, such as flour, lime, or even road dust scattered over them will destroy them. On my own trees, I have never used anything but road dust. As soon as this strikes the slug it shrinks from it and disappears from the trees, probably falls off and dies; anyway, the next day following a dusting the trees are free from them. Let alone, the slug eats away the epidermis of the leaf, killing it, and soon there is a lot of dead, skeletonized leaves on a tree.

The dusting method is easily applied on young nursery trees, but on full grown ones in an orchard it may be that spraying would be a more practicable method of working. In this case any of the poisons used for leaf eating insects would do the work; in fact, the contact of some mixture with its body might be sufficient, the slug seems so sensitive in this way.

The Variegated Vitis

An esteemed correspondent, who is fighting the climate of Denver, Colorado, in his trials to grow various kinds of plants there, writes that he has succeeded in raising from seeds a few plants of the Vitis variegata, as he calls it, and as it is commonly known, and asks if it will live in the climate there. This vine is a Chinese one, and it is considered quite hardy in the middle States; what it will do at Denver, our good friend will have to find out from trials, unless some of the nurserymen or florists there can tell him. The proper name of this vine is Vitis heterophylla humulifolia, though in many catalogs the "humulifolia" is dropped, variegata taking its place. The seedlings the correspondent has raised had better be protected on the approach of Winter; if very small, some should be potted and taken under cover, as Denver Winters are trying and Spring is late in coming.

This vine cannot be called common here, hardy as it is. Still, most all good nursery collections contain it. It is excellent for covering low objects, as it makes several feet, four to six, in a season, and it is often used, too, in vases and like objects to good effect.

It is not alone its variegated foliage that recommends it; the leaf stems as well as the shoots themselves are of a beautiful pink color. And its attraction does not stop with this. Succeeding the flowers are berries, in clusters such as the Virginia Creeper bears, and these berries become of a China blue color when ripe, as pretty a sight as one could wish to see.

Florists who have not this vine should get it, for either as a pot plant for vases or for planting out it is a most beautiful vine; and as it comes from north China and Japan it is quite as hardy as all plants from there prove to be.



Deutzia Lemoinei compacta

Blooming of Yuccas

Yuccas are always called for in landscape work, for whether in single plants or grouped in hundreds, as they often are, they are greatly appreciated, not only for their beauty when in flower but also because of their blooming in late June, when many shrubs and trees are past their flowering season. There are some of the hardy Yuccas that flower before the date named. It is the filamentosa and its many varieties that flower in late June. Before these come, the Y. glauca (angustifolia) and Y. recurvifolia have done flowering, both coming in early June, so that they are out of flower before the others open. Gloriosa is also hardy hereabouts, but it does not bloom until very late. It has occurred that a season was so very late when it opened its first flowers that before all had come to perfection frost had caught them. Treculeana, which Prof. Massey has mentioned at times as doing well at Raleigh, N. C., and which thrives also at Augusta, Ga., will not endure a Philadelphia Winter, so that the sorts that will may be said to be these; glauca (angustifolia), filamentosa, in many varieties, gloriosa, and its variety recurvifolia.

The variations in filamentosa are all connected with the foliage chiefly, the flowers and the flower spikes being almost alike in all of them. There is great diversity in the foliage; some have broad leaves, some narrow, others are almost destitute of filaments in the leaves; again, some are of a very stiff nature, others drooping, and so it goes. One variety, known in horticultural circles as pendulifolia, has very narrow, reflexed foliage, with a slender flower stem, purplish in color, the whole plant quite distinct from the type. Gloriosa puzzles those acquainted with it here, and also in England. There it gets to be a truly arborescent one, being seen of a height of 18 ft. or more at times, and with branches to it; and then it blooms there in July. With us in Philadelphia it flowers in September or October as said, and rarely makes what might be called a trunk, because it flowers when but a foot or so in height. Some horticulturists are inclined to think there is some distinct character to each, and not that they are the same thing. The recurvifolia, which is classed as a variety of gloriosa, flowers in early June, which seems a strange proceeding for a variety, when the type flowers in late Autumn; and then there is nothing appearing in common with both, save their hardy nature. The writer believes he is not wrong in his recollection that an eminent botanist, now deceased, told how at one time that the late Dr. Engelmann considered the Y. gloriosa of European gardens not the same as the species under that name here. This we may be able to decide later, having imported a nice one of the English plant, to grow here near our own, to see how they behave when side by side.

Deutzia Lemoinei compacta

With the advent of Deutzia Lemoinei, a few years ago, a new type of this genus was presented to the horticultural world. Formerly D. gracilis and D. scabra represented what were known in gardens. D. gracilis is the dwarf, bushy one known to all florists, because of its early flowering, the ease with which it can be forced, and the valuable aid its flowers are to them in their business. In its day no bunch or bouquet of flowers was thought complete in which no Deutzia gracilis appeared. The other, D. scabra, represents the class of tall growing, upright ones in which, besides it, are found the crenata, Pride of Rochester, and other varieties that all good collections contain; and these latter ones are also later in flowering, for while the D. gracilis is in flower in April, often, they are not in bloom until mid-June.

D. Lemoinei is one that while partaking of the character of both in many respects, does also in that of its period of flowering. It expands its blossoms soon after those of D. gracilis, and before those of D. scabra. It is out of flower before the scabra opens.

The one of our illustration, D. Lemoinei compacta, is well named, being a compact growing variety of Lemoinei, in which alone it differs. It is a beautiful shrub, occupying a place among Deutzias that was unfilled before, hence it will be welcomed to all collections of hardy shrubs.

Taxus baccata and Varieties

There is such a great difference in the foliage and growth of the many varieties of Yew that one can hardly believe that of all the varieties in cultivation in collections here, with but perhaps one or two exceptions, they are of the English species, Taxus baccata. The exceptions are the Taxus cuspidata, of Japan, and our own native Yew, T. Canadensis.

For many years the T. baccata was almost alone in collections, but soon the Irish, so called, a slim, upright grower, appeared; and today the total of known varieties of the English would exceed two dozen. Most of these have green foliage, but there is a golden one of the Irish, and also of the English, in its common form. A nurseryman having an order for an English Yew could fill it by sending any Yew not the Japanese nor the native one, Canadensis, and, unless for some good reason, one would be as likely to please as another, but where persons are making a collection and want the real type, varieties would not answer.

In commenting on Yews, it must be understood we mean only hardy sorts. There is a Californian species, Taxus brevifolia, but this one is not hardy enough for general cultivation in the northern States. Horticulturists here speak of a Taxus brevifolia appearing in collections in the North; this must be a variety of the English, we should think, as the brevifolia from the Pacific Coast would hardly endure the Winters of the eastern States, where it is said a brevifolia does well.

Cuspidata is hard to find in collections hereabouts. A small-leaved kind, looking like a variety of the English, does duty for it, but no one seems able to say it is the true kind. Our native Yew is a singular species. It is almost, or quite, a trailing plant. Specimens may be seen of but a few feet in height, two feet say, and with a spread of branches of twenty feet in diameter. It is really a trailing evergreen, and can be planted as such, just as many Junipers are.

In English collections there is a variety of Yew with yellow berries, which must be an attraction when in fruit; it is known under the name of T. baccata fructo luteo. It needs propagating from cuttings; but then all Yews are increased in this way.

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Columbus, O.

At the recent industrial exposition of goods made in Columbus, the floral industries were not generally represented, as it would seem they might have been to good advantage. An arrangement was made with one concern, The Livingston Seed Co., which did some tasteful decorating. The weather being so hot, it was difficult to do very much with cut flowers.

Mr. Joseph Hellenthal, son of the late J. R. Hellenthal, has taken over the greenhouses on Moler st., and is well qualified to carry them on along the same successful lines, having been his father's principal assistant for some time.

Buckeye Lake has been selected as the place, and July 20 as the time, for the annual outing of the Columbus Florists' Club. Special cars will be provided to leave for the lake early in the morning, leaving there at 8 p.m. on the return. The committee hope for a good attendance and promise an enjoyable time.—

C. D. B.

Kalamazoo, Mich.

After a month of hot dry weather the drought has at last broken, good rains having fallen last Sunday with the result that all outdoor stock gets another lease of life.

Carnations in the field suffered quite a lot during the hot spell and it is doubtful if we shall house them as large as usual this year; the probabilities for large cuts before the holidays are not, at present good.

Roses are, of course, all planted and getting a nice start, but for these and all other indoor plants the weather is too hot for the best results.

Van Bochove & Bro. have about finished glazing their new houses and now have a modern block of ten houses, each 300x30, under one roof, in addition they have a number of other houses of varying sizes, bringing their entire plant close to the 200,000 ft. mark. The firm are using pecky Cypress for bench work having found this gives satisfactory results for their needs. Another battery of boilers is being installed which will give a total of 600 h. p. so that no difficulty is expected to be experienced during the cold Winters we usually get.

Business since June has moved along fair and fully as much as is usual at this time is being done although stock shows effect of hot weather. Asters are not in yet and outdoor stock of other kinds experiences little demand.

S. B.

New Bedford, Mass.

Trade is quiet, with the exception of funeral work, which has been very good lately. Flowers are quite plentiful. Carnations are getting played out; they are coming smaller and smaller, yet retail at 50c. per dozen. Roses of good quality are still coming in, and retail at $1 and $1.50 per dozen. Sweet Peas from outdoors are now arriving in quantity, and mostly sell in bunches at 10c. and 25c. per bunch, while the general price is 50c. per 100 blooms. There are lots of flowers outdoors to pick from. Asters will soon be in the market.

E. Y. Peirce has finished planting his Roses and 'Mums. He will have about 4000 'Mums. He reports business as fine for the Summer season. Early closing is the rule now. In addition, most of the uptown stores close on Wednesdays at noon, giving the clerks a half holiday through July and August.

Peter Murray is building a new range at his Fairhaven, Mass. place. Business is fine with him. He is steadily increasing his landscape gardening trade each season.

The bedding season is practically all over. It has been a corker, too, every one is well satisfied.

E. Y. Peirce will build another house this Summer. The stores all closed at noon on the Fourth; there was no extra business for this day.

We have had a regular hot spell the past week. Stocks in the fields is looking good, but a little rain would help matters. Vacations are now in order. It does not look as if any from here will attend the Rochester convention.

HORTICO.

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Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

$2.50 per gallon, $1.00 per quart.

Buy from your Seedsmen, or we will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40 cents.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

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Paterson, N. J.

The Paterson Floral Co., which was burned out at 304 Main st., in the fire of June 27, is now permanently located at 227 Market st. The firm name has been changed to The Flower Shop, Stoutenborough and Smith, proprs.

Indianapolis

"Are you going to the Convention?" A yearly greeting that is making the rounds.

Vacations are in order everywhere and gladden the hearts of many who have labored well.

Mr. and Mrs. Edward Bertermann are spening their vaction in St. Paul, Minn.

Homer Wiegand is o on an auto tour to Detroit.

The flowers at the funeral of Mr. Kincaid, the auto driver killed at the Speedway, was the occasion for a mass of fine emblems. Fifteen hundred people were estimated in attendance.

The Roepke-Rieman Company is overhauling its plant and preparing for an unusual business this coming season.

I. B.

Greenhouses Building

OAKLAND, CAL.—M. Shinoda is erecting a greenhouse on 73rd ave.

MAYNARD, MASS.—Albert Batley is building a new greenhouse 50 by 135 ft.

LEBANON, PA.—C. L. Schmid is to erect greenhouses on a tract of land recently acquired in North Lebanon township.

Making an Asparagus Bed

How should I proceed to make a first-class Asparagus bed where soil is rather a stiff clay and plenty of manure at hand; what are the best varieties to grow; what age roots gives best results; when and how to plant?—M. J., Mass.

—Use either two or three year old roots of one of the following varieties: Conover's Colossal, Barr's Mammoth, Palmetto or Columbia White. Plant in the Spring. Open a furrow or trench about one foot deep, put in about three inches of good manure and stamp it down, cover with about two inches of fine soil. In setting out plants see that the roots are spread out; cover these with about three inches of fine soil and, after the plants are well up, hoe in a little more soil at each hoeing till the ground is level.

A heavy spread of bonemeal or high grade commercial fertilizer put on at each hoeing will stimulate growth and give both earlier and better results.

Notes

WAKEFIELD, R. I.—Byrnes, the florist, has opened his shop in the Hazard block.

PEORIA, ILL.—Robert Lowenberg has taken charge of The Art Florist, at the Fey Hotel.

READING, PA.—A final decree of dissolution of partnership has been made by Judge Endlich upon a petition presented by H. Franklin Brossman, representing the Deeds Floral Company, of Shillington.

SEWELL, N. J.—On July 5 John L. North, a florist, seized with toothache, sat till his pain should cease on a rail pile, from whence his low moanings were heard by an aged woman, who lived nearby. She administered a drop of creosote to the tooth, but unfortunately slipped from a rail and spilled the contents of the bottle on North's face, which was badly burned and will probably be marked for life.

MONTREAL, CAN.—N. S. Dunlop, superintendent of the floral department of the C. P. R., is sending out a circular to station agents and sectionmen all over the system, offering a number of prizes with a view to encouraging gardening aroundd stations and aection houses.

Each general superintendent will award a prize of $25 to the station agent having the best flower garden and neatest ground, and there will be prizes of $10 and $5 for locomotive foremen and also for section foremen. In addition, each superintendent will give a prize of $10, and a second prize of $5, while a first prize of $10, and a second prize of $5 will be awarded on each general superintendents' division for the best photograph of a flower garden at a station on the division.

NORTHAMPTON, MASS.—H. W. Field, the florist, has bought an extensive tract of the Watson estate fronting on Prospect st., has removed the fence and is preparing to merge the tract with his land just below it. The land extends from the street to the woods in the rear and is very roomy. Before it is needed for his own business Mr. Field intends to permit the use of that much of the tract that is not used by him as a playground for the children of the neighborhood. Already some swings have been put up. Mr. Field is considering the feasibility of constructing a wading pool.—*Northampton Herald.*

"The Palms You Shipped Us Arrived in Good Condition and They Are Excellent Plants"

¶ These are the words of one of our customers in acknowledging recently the receipt of a shipment of Palms from us. To emphasize their approval, **they enclosed with the above letter an order more than twice as large as the first one.** ¶ It was welcome news to us, and it has a big and important meaning for **you**, too. ¶ Heacock Palms please **our** trade because they are so unusually good; they will please **your** customers for exactly the same reason. When they come to you for palms, you can give them quality and the full worth of their money by supplying them with Heacock's Palms. ¶ A trial order will convince you, and will show how you, like this customer and scores of others, can make a handsome profit from a Palm Department. Look over the following list, then put an order up to us—give us a chance to **prove** the quality of our stock.

ARECA LUTESCENS

	Each		Each
6-in. pot, 3 plants in pot, 26 to 28-in. high	$1.00	8-in. pot, 3 plants in pot, 36-in. high	$2.50
7-in. pot, 3 plants in pot, 30 to 32-in. high	2.00	8-in. pot, 3 plants in pot, 42-in. high	3.00



COCOS WEDDELLIANA

Per 100

2½-in. pot, 8 to 10-in. high $10.00

MADE-UP KENTIA FORSTERIANA

	Each
7-in. tub, 4 plants in tub, 36-in. high	$2.50
9-in. tub, 4 plants in tub, 42 to 48-in. high	4.00

KENTIA BELMOREANA

	Doz.	100
5-in. pot, 6 to 7 leaves, 18-in. high	$6.00	$50.00
	Each	**Doz.**
6-in. pot, 6 to 7 leaves, 20 to 24-in. high	$1.00	$12.00
9-in. tub, 6 to 7 leaves, 42 to 48-in. high	5.00	
9-in. tub, 6 to 7 leaves, 48 to 54-in. high	6.00	



PHOENIX ROEBELENII

5-in pot, nicely characterized, each $1.00 | 6-in. pot, nicely characterized, each $1.50

"When in Philadelphia be sure to look us up"

Joseph Heacock Company, Wyncote, Pa.

Please mention the Exchange when writing.

ORCHIDS—ORCHIDS

FRESH ARRIVALS EVERY WEEK

CATTLEYAS: Trianæ, Schrœderæ, Mendelii, Gigas, Hardyana type, Gigas Sanderiana, Percivaliana, Speciosissima, Bowringiana and Aurea.

DENDROBIUMS: Thrysiflorum, Cambridgeanum, Crassenode.

RENANTHERA Imschootiana. MILTONIAS Vexillaria and Roezlii. CYPRIPEDIUMS Bellatulum and Charlsworthii.

COELOGYNE Cristata, 400 bulbs, strong plants, $10.00 each.
ALL READY TO POT.

G. L. FREEMAN CO., Fall River, Mass.

Please mention the Exchange when writing.

ORCHIDS

Just arrived in fine condition.

Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT

Rutland Rd. & E. 45th St., BROOKLYN, N.Y.

Please mention the Exchange when writing.

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

52 West 28th St., New York City and Madison, New Jersey

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae,** also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL

SUMMIT, N. J.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England

and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

A Letter from Switzerland

The following was recently received from E. C. Reineman, of Pittsburgh, Pa., at present traveling in Europe.

This mountainous country should properly be called Flower Land, for nowhere have I beheld so many flowers as when traveling through this country for the past week. I just struck it right, all flowers are at their best in the meadows as well as on the highest peaks. Such varieties and numbers, I wish I could call them all by name, I would have enjoyed them so much more. The flora of Switzerland is more varied than one thinks; I was much surprised to see the thousands of Narcissus growing in the fields near Montreux and south toward the highest peak in Europe, Mt. Blanc, covered with perpetual ice and snow, a grand sight, I can assure you. One could cut them by the thousands; they would be valuable with us as a cut flower. Then to see all the other flowers growing wild, such as Centaureas, Cowslips, Crocuses, Myosotis, Primulas, Poppies, such bright red ones, Pinks, fancy colored grasses, rich Clover and the Fragaria, or Wild Strawberry, just ripe and in blossom, and hundreds more, strange to me, including such as grow in higher altitudes, which are beautiful indeed.

One of the well-known resorts in this country is Mürren, near Interlaken, a splendid flora garden, so much so that one of the valleys of this wonderful resort is well and justly named Blumenthal, or "Flower Valley." At present Mürren is assuredly a noteworthy flower garden.

Much snow still covers the ground in protected localities but, where the sun shines, the grass is green and flowers are blooming. Close to a heavy snowdrift a lot of Crocus were in bloom; with one hand I made a snowball and with the other picked flowers. Even in the higher altitudes there is an abundance and variety of bloom, somewhat different from that below, not so vigorous and generally short of stem. The Gnaphalium or Edelweiss, as it is better known, I could not find, although I was up higher than it grows.

Of all the wild flowers yellow predominates, but the Forget-me-not, such Forget-me-nots! I shall ever remember. Not the little wild blossom of our fields and meadows but the good large flowering one with fine large stems, which the florists use. And how prolific they are, growing everywhere along the roadside, up the high mountains, and in the meadows, masses of blue intermingled with flowers of all colors, a veritable carpet. They are fascinating, particularly growing in such great numbers in the pasture and meadows where the cows and goats graze. It is not at all surprising that a young lady made the remark that she could at last realize why Sweitzer cheese was so good and famous: because the cows are fed with Forget-me-nots.

The flower stores of the larger towns make fine displays of choice cut flowers. Roses, Carnations, Orchids, etc., and do a fair trade during the rush of visitors in the Summer time. Switzerland is only a small country, a well governed republic, but what it lacks in size it certainly makes up in scenery, the grandest scenery in the world which one could enjoy for months.

About a week ago I was in Frankfurt-on-the-Main where I spent a few hours in the Palmengarten or Palm Garden. This beautiful garden, with its large Palm houses and a fine range of smaller houses, was started only in 1869, when I first visited the city, and was completed about 1871. The company purchased the fine gardens of the Herzog von Nassau, and have much improved them since my last visit here, about six years ago. A fine range of small show houses have been built, which are well stocked with decorative and blooming plants and, in passing through them, I noticed a few things which might be of interest to your readers. Caladium Humboldtii from Brazil, very ornamental with small leaves, richly variegated white; Medinilla magnifica from the Philippines; Anthurium Veitchii with its long leaves. Phaius Wallichii from India. These plants are well suited for private and public conservatories. Begonia hybrida Lucerna, B. hy. Bismarck, B. hy. Herzogin von Portland, are strong growing and flowering sorts that are very attractive, particularly for private places. A fine collection of Orchids in one of the houses was most attractive, Dendrobium thyrsiflorum with its fine white and orange spikes and Lælia purpurata were conspicuous. A whole bench of Schizanthus, an annual, was in bloom with many colors. Two good Lobelias, fine for basket. Richardsonii and Hamburgia, splendid for plant growers. The ornamental bedding was just being done and they certainly put enough plants in the beds to get an immediate effect. The outdoor Roses were looking fine, strong with rich green foliage and well budded.

Anyone visiting Frankfurt should not fail to visit this place, right in the heart of the city, where concerts are held every afternoon and evening, which are enjoyed by the Frankfurters who go there daily in the Summer to spend a few hours pleasantly with their friends, eating and drinking, laying all cares aside.

Washington, D. C.

The Florists' Club has selected July 26 as the time for its annual outing; the place selected is Great Falls of the Potomac, and the attendance will, no doubt, be large, as those who have in the past participated in similar events can but remember them with pleasure. The outing, as in the last instance, will be in the form of a basket picnic, although refreshments will be served at the Falls.

The first meeting of the committee appointed to arrange for the Club's annual Fall show was held at Gude's store on Tuesday, but, owing to the late hour, it was impossible to secure an accurate account of the business transacted for publication in this issue.

Business during the past week has been rather dull. The most severe rain and electrical storm of the season passed over us on Tuesday evening.

JAS. L. CARBERY.

Rochester, N. Y.

Business here is practically at a standstill as is the usual thing at this season. The market is flooded with Sweet Peas in particular, Carnations being practically over. Roses are of such poor quality as to be unsalable; those shipped in are just about useless after being packed for so many hours. This hot weather, therefore, with a light demand, has made heavy losses, especially on Sweet Peas and Roses, the former from the fact that there are far too many on the market, the latter principally because the stock is too far open to be salable on arrival, Killarney being the chief offender.

At a meeting of the Rochester Florists' Assn. the question of offering prizes to the citizens for the best kept lawns, etc., was introduced. W. H. Dildine and others freely discussed similar work of the kind being done in other cities, the movement in Canada having taken great strides; the president named a special committee, consisting of W. H. Dildine, R. G. Salter and A. R. Leutchford, to investigate the matter more fully and report at the next meeting.

George J. Keller has just returned from a week's fishing in Canada and had fine luck as shown from the fact that the staff at J. B. Keller's Sons greenhouses, even to the cat, were kept busy cleaning fish.

Harry Balsley, the well-known Detroit potter, was a visitor this week.

H. C. Salmon has purchased the property of Frank Suhr in addition to his other place.

J. M. Keller is taking a leading part in the arrangements for the Convention of the Shriners, to be held in Rochester next year.

The staff of George B. Hart is busy installing a new ice box, made of cement blocks, which, when finished, will facilitate the handling of stock and add much to the appearance of the establishment.

H. B. STRINGER.

Dreer's Palms—Our Leading Specialty

CLEAN, HEALTHY, VIGOROUS PLANTS OF GOOD COLOR AND VALUE

ARECA LUTESCENS

A splendid lot of well-shaped plants, of good color.
2¼-in. pots, 1 plant in a pot, 85c. per doz., $6.00 per 100.
6-in. pots, 3 plants in a pot, 28 to 30 in. high, $1.00 each.
7-in. pots, 3 plants in a pot, 36 inches high, $2.50 each.

COCOS WEDDELIANA

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.
2¼-in. pots, 5 to 6 inches high, $1.50 per doz., $10.00 per 100.
3-in. pots, 8 to 10 inches high, $2.00 per dozen, $15.00 per 100.
5-in. pots, 18 to 24 inches high, splendid plants, 75c. each.
7-in. pots, 34 to 36 inches high, grand specimens, $2.50 each.

KENTIA BELMOREANA

	Per doz.	100	1000
2½-in. pots, 4 leaves, 8 to 10 in. high	$1.50	$10.00	$90.00
3-in. pots, 5 leaves, 12 in. high	2.00	15.00	140.00
6-in. pots, 6 leaves, 20 to 24 in. high			$1.00 each
6-in. pots, 6 to 7 leaves, 26 to 28 in. high			1.50 each
8-in. pots, 6 to 7 leaves, 42 to 44 in. high			5.00 each
Specimen plants, 9 to 10 ft. high, in tubs, $40.00.			

KENTIA FORSTERIANA

	Per doz.	100	1000
2½-in. pots, 4 leaves, 8 to 10 in. high	$2.00	$15.00	$140.00
3-in. pots, 5 leaves, 12 to 15 in. high	2.50	20.00	175.00
6-in. pots, 6 leaves, 28 to 30 in. high			$1.00 each
6-in. pots, 6 leaves, 34 to 36 in. high			1.50 each
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high			5.00 each
10-in. tubs, 6 to 7 leaves, 72 in. high			10.00 each
11-in. tubs, 6 to 7 leaves, 84 to 90 in. high			15.00 each

The following are exceptionally heavy and valuable decorative plants.

		Each
14-inch tubs, 6 to 7 leaves,	7 to 7½ feet high	$25.00
15-inch tubs, 6 to 7 leaves,	7½ to 8 feet high	30.00
15-inch tubs, 6 to 7 leaves,	8 to 8½ feet high	35.00
16-inch tubs, 6 to 7 leaves,	10 to 11 feet high	40.00
16-inch tubs, 6 to 7 leaves,	11 to 12 feet high	50.00



Cocos Weddeliana

MIXED FERNS FOR DISHES

We have at all times a good supply of these.
2¼-inch pots, $3.50 per 100, $30.00 per 1000.

KENTIA FORSTERIANA—Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 inches high	$2.50
7-in. tubs, 3 plants in a tub, 38 inches high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 inches high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 inches high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00
16-in. tubs, 3 plants in a tub, 7½ to 8 ft. high	25.00

KENTIA FORSTERIANA

Special Bargain for Decorators.

We have a block of large plants of this variety in 8-inch tubs, 4½ ft. high with 6 to 7 leaves which we offer at the exceptionally low price of $4.00 each, because some of the leaves have been slightly clipped. While they cannot be offered as perfect, they are healthy and vigorous, the later leaves being perfect and not clipped.

LIVISTONA ROTUNDIFOLIA

We offer a fine lot of this desirable miniature Fan-Palm.
2¼-inch pots, $1.50 per doz., $10.00 per 100.
3-inch pots, 2.00 per doz., 15.00 per 100.
4-inch pots, 3.50 per doz., 25.00 per 100.
5-inch pots, $6.00 per doz., (nicely characterized.)

PHŒNIX RUPICOLA

Good 6-inch pots ..... $1.50 each
Good 8-inch tubs ..... 2.50 each

PHŒNIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer 3-inch pots, nicely characterized, $3.50 per doz., $25.00 per 100.
4-inch pots, nicely characterized, 60c. each.
5-inch pots, nicely characterized, $1.25 each.
6-inch pots, nicely characterized, 2.00 each.
We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy, it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Climate of California

Quite recently we wired our esteemed correspondent at Los Angeles, Cal., P. D. Barnhart, to visit Lompoc in that State in order to furnish us with an account of the new Burpee seed farm. Mr. Barnhart's experiences on the way so keenly portray the variations of climate existing in certain parts of the State that, feeling assured our subscribers would appreciate a reading of his personal letter to the editor, we are taking the liberty of reproducing it. He says:

"I left Los Angeles in southern California costume, a light straw hat, light clothes in color and in weight, at 6.15 p.m. For comfort it was necessary to have the car window up for two hours. I went to sleep in a reclining chair and woke up at Serf at one a.m. next morning. The wind was blowing a gale from the ocean, and it went right through my clothing and flesh to the marrow in my bones. The section boss keeps lodgers but his house was full, therefore I was obliged to sleep on the softside of a board in the waiting room of the depot. I used my suitcase for a pillow; for a cover I had two sheets of the paper called 'Appeal to Reason,' which I picked up on the train out of curiosity. The stuff this paper is filled with does not contain a single grain of reason; it is all prejudice and passion, and is bad for the head and heart, but as a cover for the body and a preventive of heat radiation it is a grand success, as I learned from experience.

"When the morning dawned the wind still blew, and to get up circulation I decided to try a run in the sandy road on the leeward side of some sand dunes. I have arrived at a time of life when prolonged violent exercise produces heart failure, and I found that I soon became exhausted, therefore had to desist. The sun had a modifying effect on the chilly air if one kept out of the wind, so I nestled close to Mother Earth, dear old mother that she is, beneath some tall bushes of the ubiquitous foreigner, Nicotiana glauca.

"At 7 a.m. I ventured to the same house which had no room for me to sleep in. Cream—sure enough cream—the first that for breakfast, and was accommodated. I have tasted in a time so long gone that it is out of mind, and a half pint of it for my oatmeal and coffee. And honey—sure enough honey—for my biscuits, the first I have eaten in a long time despite the pure food laws and the vigilance of the officers of the law to enforce it.

At 8 a.m. I got into the car for Lompoc, still chilled. After luncheon at the hotel, Mr. Lonsdale drove in for me; he had on a woolen undersuit, a muslin shirt, a vest, a sweater, a heavy woolen coat and an overcoat, and was comfortable. The streets of the town were clean as though swept by a street sweeper, and I was frozen, or nearly so, yet no one whom I met seemed to think it unusual weather.

"I have been to elevations of 8000 feet among the Oaks and Pines, where snow abounds, and the rivulets freeze over. I have been to San Francisco which is notorious for its cool breezes and high winds but, never before in 13 years' residence in this State, did I get such a chilly reception in good old Summer time as I did in the Lompoc Valley, June 12 and 13, 1910.

"On the beach I saw for the first time our yellow flowering Abronia latifolia; it is beautiful, indeed; the color is a rich gold. I wonder why we don't grow these plants in our gardens on this Coast; there are none more showy. Here, too, grows an Astragalus with beautiful large seed vessels that are really pretty and interesting. In the hills I found a magenta colored member of the Œnothera family new to me, and there I saw more Silene Californica in one locality than in all other places combined in this State; it is even more brilliant than Gen'l Grant Geranium, with toothed petals.

"That you may know of the influence of the wind on trees growing there I met with a clump of live Oaks, not over 15 ft. high; one of them which was isolated sufficiently for development had horizontal branches on its leeward side 36 ft. long by actual measurement. Windbrakes, principally of Monterey Cypress, then Encalyptus globulus, are growing in the valley, and the number will be increased as the acreage of field and garden seed farms increases. Lavatera assurgentiflora could be used for the purpose with good results, where quick results are desired.

"Had I been sufficiently clothed for comfort I should have remained another day to make more extended observations on this unique section of the State, so different from any other that I have yet visited, but I was glad to get away, and it required 24 hours of southern California climate to thaw me out"

[Lompoc is situated on the Coast line, and is, by rail, about 175 miles west and slightly north of Los Angeles. Altitude, 93 ft. above sea level.]

Influence of Chloroform on Plant Growth

The French grower, Georges Boucher, discusses in Le Jardin some interesting experiments made with chloroform as influencing plant growth. Apple trees treated to a dose of chloroform placed in the soil around their roots were retarded. This effect might become of importance in localities subjects to night frosts late in the Spring. The same results were obtained with Roses. These were put under glass bells of a cubic contents of 75 centimeters (about 30 in.) and together with 75 grams (about 2.64 oz.) of chloroform, which was put into shallow bowls. The treatment lasted 24 hours. The Roses were then forced for 20 days, together with control plants not so treated; they developed much more slowly than the latter and were also stunted in growth as compared with the control plants. This led to the conclusion that the quantity of chloroform had been excessive, exerting a deleterious influence on their development. Still larger doses killed the plants subjected to them. The experiments covered in general only plants in their period of growth; it will require experiments also during the resting period in order to determine definitely the precise influence which the chloroform exerts on the plant growth. These experiments were conducted by a committee of the French Hort. Society and various biological stations.—*Handelsgaertner*, No. 21.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Worcester, Mass.

The intense heat of the past week has affected plants and people alike. The sun has practically dried up every outdoor plant, so that the blooms have died almost as soon as they came. There has not been a rain for weeks and growers are patiently waiting for a good storm.

Sweet Peas have done fairly well and these, with Roses and Carnations, are used in the funeral work which keeps the local trade at about the usual July pace.

The mound, 30x15 ft., of Dorothy Perkins Ramblers in Hope Cemetery was at the heighth of its beauty last week and thousands visited the grounds to view it. F. A. Barnes, supt., who has had charge of the cemetery for 32 years, was the first to bring this variety of Rambler to Worcester. The mound has 32 plants which grow from 8 to 9 feet each year. A solid mass of pink blossoms intermingled with the foliage makes a most beautiful picture. It is said that nowhere in the country is there anything in the Rambler line to compare with this. Mr. Barnes takes much pride in his Roses and has been complimented by florists and gardeners from many cities who visit there. He also has a garden of 24 plants of the York and Lancaster Rose, the only ones in these parts.

James Edwin Draper received a special prize of $5 for a display of valuable specimens of evergreens at the weekly exhibit of the Worcester County Hort. Soc. There were 35 varieties represented; some were in pots used for decorating, while sprays and branches of the others were shown. Mr. Draper is doing nicely in his retail florist business which he recently added to his nursery line.

Local florists continue to be interested in Worcester's garden cities in which 500 children in the poorest districts are being taught gardening. Rev. R. J. Floody, supt. of the gardens, has received many donations of plants and seeds. Sec. Adin A. Hixon of the Hort. Soc., recently sent a load of Geraniums, Cannas and Tomato plants to the Island Garden City, in which he is particularly interested, having instructed a class of boys and girls in planting. The class now teaches the new comers the proper methods of planting and caring for their crop.

FOUNDED IN 1888

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Greenhouse Vegetable Growers' and Market Gardeners' Association of America

The third annual convention will be held at Grand Rapids, Mich., Tuesday, Wednesday and Thursday, September 27, 28 and 29, and promises to be the most successful ever held by this organization. A splendid program is being prepared and subjects of interest to the vegetable forcer, market gardener and truck farmer will have a place in it. Grand Rapids is the home of Grand Rapids Lettuce and Davis Perfect Cucumber, and the convention will afford an opportunity to visit the famous forcing establishments in that city. Any vegetable grower desiring further information should write to S. W. Severance, Secretary, 508 Walker Bldg., Louisville, Ky.

Exhibition of Forced Flower and Leaf Shrubs at Boskoop

On the occasion of the fiftieth yearly anniversary of the Pomological Society of Boskoop (Holland) the members of which formerly occupied themselves principally with the cultivation of fruit trees, but have now for years applied themselves almost exclusively to the growing of all sorts of flower, leaf and forcing shrubs and conifers, an exhibition of forced flowers and leaf shrubs will be held during the first half of the month of April, 1911. This will be highly interesting, for the great collaboration of the principal firms of Boskoop and its environs guarantees that a complete survey will be given of the height and many sidedness which the cultivation of forcing shrubs has reached in this well known center of nurseries.

The exhibition building will occupy a surface of 2600 square meters.

A Genetic Conference in 1911

Under the name of Genetics, naturalists have recently decided to comprise the researches made to elucidate the phenomena of heredity and of variation both among animals and plants. Many men of science are now engaged in these investigations. The first International Conference of Hybridization was called by the Royal Horticultural Society of London in 1899; a second was held in 1902 in New York and a third one again in London in 1906; at this conference the new term was suggested. A fourth conference will be held in Paris in 1911, under the name of Genetic Conference, under the auspices of the French National Society of Horticulture.

As a preliminary to this conference Mr. Philippe L. de Vilmorin has just published an authoritative pamphlet, under the title La Génétique (Genetics), in which he sums up succinctly the results so far obtained in this science, adding a bibliography giving the titles of 274 books or pamphlets in which these results are set forth, and also the titles of the 126 papers laid before the three preceding conferences. This work is a valuable guide both for scientists and practical growers and also an excellent introduction to the coming international conference.—*Revue Horticole.*

S. A. F. Convention Notes

Rochester Awake and Moving

The regular monthly meeting of the Rochester Florists Association was held Monday, July 11. Owing to the hot weather, no doubt, the attendance was not large. The reports of committees in connection with the Convention showed that satisfactory progress was being made.

It has been decided to hold the outing for the visitors at Manitou Beach, a beautiful spot on the shores of Lake Ontario. A ten-mile trolley ride along the lake shore will be in itself a treat for many. The ball game will probably be held there also, there being ample accommodation for a big crowd.

Supt. C. H. Vick reported that his troubles had commenced in real earnest in trying to find room for the trade exhibits; orders for space still coming in and practically all the available space being taken up.

H. B. STRINGER, Sec'y. R. F. A.

Western Travel Arrangements

The florists of Chicago and other western cities will be interested in the following communication from the general agent of the passenger department of the Lake Shore and Michigan Southern Railroad, copies of which are being circulated by the secretary of the Chicago Florists' Club:

Referring to the next meeting of your Society, which is to be held in Rochester, N. Y., in August of the current year, The L. S. & M. S. Ry. begs leave to submit herewith a tentative proposition covering transportation of your delegates and friends from Chicago to that point. Special train, same to be counterpart of the Twentieth Century Limited and to consist of the following equipment: Combination baggage and buffet car, one of the famous Lake Shore diners, as many twelve section and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation and sleeping car. For a schedule we would suggest leaving Chicago at 5.30 p.m. Monday, Aug. 15, arriving in Rochester at 9.00 a.m. Tuesday morning, Aug. 16. The rate authorized for this occasion is one and three-fifths fare on the certificate plan, which means full rate, $13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning, and three-fifths of that, or $8.10, returning, making a total of $21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth $3.00, section $6.00, compartment $8.50, drawing room $11.00.

With this letter I enclose one of our system lines folders, viz.: Big Four Route, by which you will note that your people from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to your special train at Cleveland, thus bringing you all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join your special train at Toledo. Hoping for your kind and favorable consideration of this proposition and assuring you of the highest class of service and equipment in every detail also the services of either myself or someone else to accompany you for the purpose of seeing that everything goes smoothly and you get everything that is coming to you.

Yours truly,
S. K. THOMPSON, G. A. P. D.

P. S. Your St. Louis people could come via Chicago and join your special train here if they so desired as the same rate would apply through Chicago as via the direct line.

S. A. F. and O. H.

Registration of Roses.

Public notice is hereby given that A. N. Pierson, Inc. of Cromwell, Conn. and Hoopes Bro. & Thomas Co., of West Chester, Pa. offer for registration the Roses described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from the date.

Raisers' Descriptions.

By A. N. Pierson, Inc.

A sport of Killarney originating with the Montrose Greenhouses, Montrose, Mass., and acquired by A. N. Pierson, Inc. by purchase. It is a sport of Killarney, identical with the parent in habit and size of bloom. The color, however, is much darker than Killarney at all times of the year. This Rose will be disseminated in 1911.

Name: "Dark Pink Killarney."

By A. N. Pierson, Inc.

A sport of My Maryland, originating with A. N. Pierson, Inc. in 1908. This Rose in every way resembles My Maryland, except in color. It is a shell pink outside, shading deeper towards the center, which is a creamy yellow, and sometimes quite a deep yellow. During the hot weather, however, the yellow center disappears, and the Rose looks very much the color of an Enchantress Carnation. It is very fragrant. This Rose will not be disseminated until the Spring of 1912.

Name: "Lady Cromwell."

By Hoopes Bro. & Thomas Co.

A strong growing climbing Rose, making shoots of from 10-12 ft. in a season. Foliage bright, glossy green, free from mildew or black spot. Flower 4-5" in diameter, pure ivory white. Petals of great substance and beautifully cupped. The plant is very floriferous, literally covering itself with its large flowers. Resembling the Clematis Henryii, they are borne on long stems 12-18" long and are very fragrant. Buds are very large and fine for cuting. Can be used either as a Pillar or Climbing Rose.

Name: "Purity."

July 7, 1910. H. B. DORNER, Sec'y.

American Association of Park Superintendents

The next annual meeting of this Association will be held in Harrisburg, Pa., Aug. 9 and 10, and in Gettysburg, Aug. 11. For particulars as to transportation and other necessary information address Secretary-treasurer F. L. Mulford, Harrisburg, Pa.

Philadelphia Florists' Club

The Club met at Horticultural Hall on Tuesday evening, July 12, with President Joseph Heacock in the chair.

The minutes of previous meeting were read by Secretary David Rust and approved. David Rust, for the club room committee, stated that in general there was nothing to report, but that the sub-committee on bowling reported that ten men were bowling Mondays and Thursdays.

Mr. Thilow, for the essay committee, reported the securing of W. A. Manda as the speaker of the evening, and that the speaker for the August meeting had not yet been secured.

Route and Fares to Rochester Convention

John Westcott, reporting for the committee on transportation to the S. A. F. convention at Rochester, stated that the fare one way for one person by the Penn. R. R. would be $8.35, with a two-fifths reduction on return fare; that for ten persons traveling together the fare each way would be $7 per person, and that by mileage the fare one way would be $7.34. The report was received and the committee continued till next meeting.

The committee on new members reported favorably on Richard Himelstoss and he was elected. No candidates for membership were reported.

Under new business after the bills were read and ordered paid, W. A. Manda of South Orange, N. J., was introduced as the speaker of the evening. His subject was "Should We Consider Our Calling a Profession or a Trade."

Resume of W. A. Manda's Speech

Mr. Manda said we should certainly consider our calling a profession. It dates back to Adam, who was the first gardener, and by gradual evolution it has reached its present state. We produce no longer simply those things which are necessary to keep the soul and body together, but those things, also, which are equally necessary for the life of all cultivated men and women. The gardener at first performed the whole round of work connected with the tillage of the soil; gradually the work became classified and divided, and now we have the nurseryman, the landscape architect, the florist, etc.

We surpass the old world in specializing, but it surpasses us in generalizing. The young men here do not like to take the time to first undergo the general training and become a specialist later. We meet many men who are only specialists, and who, having had no general training, know nothing but their specialty. It would be better for the gardener to serve three years' apprenticeship at general work as they do in Europe and then afterward take up a specialty.

We may not be able yet to go exactly by professional rules and make a living, but we can educate the public up to the point where it will consider our calling a profession. If we would like the public to respect us we must respect ourselves. If we would like the public to become enthusiastic toward our profession we must be enthusiastic ourselves and lead the public on.

The retail florists are doing their part through their tasteful window displays to educate the public. It is our duty first and always to stimulate in the public a love for plants and flowers. If the plant which is purchased thrives, the purchaser buys another. We should contribute all we can toward the success of the purchaser.

On a private place much depends upon the gardener; if he is the right kind of a man the work goes on developing year after year, and many plants are bought, and the results are satisfactory to the owner of the estate, but if the wrong man takes up the work improvements on that estate soon come to an end. The private grower does not expect to make money, but he does expect some return in pleasure for his money.

We should attend all florists' meetings, for they are directly in touch with that whereby we earn our living.

We do not need so many societies; the S. A. F. is sufficient in that there could be sub-divisions covering all the other societies, and there could be one general report. Keep the S. A. F. strong. Division saps strength, and we need strength.

Seedsmen have been advancing, giving us better flower and vegetable seeds.

Nurserymen have spread out their work both in fruit and ornamentals, the work in the latter advancing by leaps and bounds.

The landscape artist by his advice prevents mistakes. The private gardener is faithful, hard working, meeting many requirements, sometimes getting disconsolate on account of the small salary received for the amount of brain and hard work put forth when he compares his salary with that of the other professions.

At all meetings and exhibitions we should do our best to bring a plant; bring something to show the public our interest. In England exhibits by those who are paying small rents are often equal to those of larger growers.

The horticultural press is doing its duty for the most part, but it should record the work done as does the horticultural press of Europe, irrespective of the advertisements.

In the past we have been in some respects a foolish body of men; there should be no petty jealousy; there is room for all, and we should help each other as they do in Europe. Philadelphia is a model city in that respect; if a man has not the plants or flowers he tells his customer where to obtain them.

Shall we have more of the theoretical or the practical? More of the practical. We should not rely too much on agricultural colleges where the theory is learned more than the practice. We claim that we are not a trade but a profession, for we cater to the finest tastes. If we measure our profession with that of law or medicine, we find that they only live upon the miseries of others, while we contribute to their happiness at all times, at birth, at christening, at marriage, at all social functions.

Mr. Manda spoke without manuscript or notes, in an interesting and vivacious manner, holding throughout his speech the unflagging attention of the fifty members present. At its close he was enthusiastically applauded, and a vote of thanks tendered to him.

Remarks were also made by Messrs. Harmon, Thilow, Farnwald, Rust and Leo Niessen.

Mr. Rust spoke earnestly and well in favor of the good work done in the agricultural school as a preparation for further work; Mr. Niessen spoke convincingly in favor of the threefold training: namely, the theory as obtained at the horticultural schools, then the general knowledge obtained from a three years' apprenticeship at general work, and after this the taking up and pursuing of a specialty.

The Greek-American Florists' Association Outing

The Greek-American Florists' Association held its fourth annual outing at Witzel's Point View Grove, College Point, L. I., on Thursday, July 7. There was an attendance of fully 500 people.

The party left the foot of 31st st. and East River at 10.30 on the steamer Isabel. Breakfast was served at about 1 o'clock. After this came the dancing, and the various athletic contests, which were carried out with great order and success.

After the games came the dinner. Everything good in the eating and drinking line was served. System, good management, courtesy and good nature were manifest everywhere throughout the whole day, and the occasion was pronounced by all attending to be a most enjoyable one.

Much credit is due to the several committees in charge of the outing, for the thorough manner in which they discharged their several duties. The committees were as follows: Athletic Games—Theo. Karampas, G. Hanges, A. Demetracopoulos, Ch. Pappas, John Andriopoulos. Boat Landing—A. Demetracopoulos, G. Hanges. On Tickets—D. Tryforos, D. Loteriades, D. J. Pappas. Ushers—G. Polykranas, J. S. Nicholas, P. Velotas, J. Fellouris, N. Christatos, N. Lales. Dining Room—M. Rovatzos, G. Polykranas, D. Carlaftes. Starting and Judging—Theo. Karampas, J. Chiotes, G. Lappas, M. Rovatzos, D. Caparell, C. Cardases. Badges and Flags—D. Carlaftes, J. Tagaris.

The Sports

Girls' Race, 5 to 7 years of age, 25 yds., prize, gold heart and chain—Miss L. Pullets.

Girls' Race, 8 to 10 years, 50 yards, prize, gold ring—Miss B. Siegel.

Boys' Race, 5 to 7 years, 35 yards; prize, gold scarf pin—Polycranas.

Boys' Race, 8 to 10 years, 75 yds.; prize, gold signet ring—Karo.

Young Girls' Race, 12 to 15 years, 100 yds.; prize, gold necklace—Lyberion.

Young Men's Race, 13 to 15 years, 200 yds.; prize, gold scarf pin with diamond—Hepner.

Young Ladies' Race (unmarried) 16 to 22 yrs., 160 yds.; 1st prize, silver hand bag; 2nd prize, gold ring—1, Miss J. Hoebel; 2, Miss Bromer.

Married Ladies' Race, 150 yds.; 1st prize, gold bracelet; 2nd prize, dressing set—1, Mrs. Harocopos; 2, Mrs. Cardasses.

Young Men's Race, 16 to 20 years, 440 yds.; 1st prize, fountain pen; 2nd prize, cut glass fruit dish—1, Bouzeros; 2, Crosby.

Men's Race, open to all, 2 miles, 1st prize, gold watch; 2nd prize, silver watch; 3rd prize, fountain pen—1, Routh; 2, Al. Rigo; 3, Zervacos.

Sack Race, 50 yds.; prize, gold cuff buttons—J. Shackon.

Potato Race, 50 yds.; prize, complete shaving set—Hepner.

Fat Men's Race, 150 yds.; 1st prize, tobacco jar; 2nd prize, same—1, Jones; 2, Jacobs.

Base Ball; prize, ten dollar gold piece to the winning team.

American Nine, Henry Reicherts, Capt. Greek Nine, G. Mitris, Capt. Umpire, William A. Hanft. Score, 5 innings, American Nine, 7; Greek Nine, 4.

Discus Throwing (free style) 3 times; 1st prize, medal of Greek crown; 2nd prize, pair of cuff buttons of Greek flag—1, Rovatzos; 2, Georgophnlos.

Plain Jumping, 3 times; 1st prize, opera glasses; 2nd prize, Mandolin—1, Georgopoulos; 2, Zervacos.

Bowling Alley, prize, box of 50 cigars—1, Alexander J. Guttman; 2, P. Cosmos.

National Sweet Pea Society of America

Second Annual Meeting and Exhibition

New York, July 12-13, 1910

The second annual meeting and exhibition of the National Sweet Pea Society of America was held in the St. Nicholas Rink, 66th st. and Columbus ave., New York, on Tuesday and Wednesday, July 12-13. Owing to the extreme heat prevailing the scheduled business sessions were crowded into one session on Tuesday evening.

President Harry Turner called the meeting to order at 7.30 and made an opening address in which he extolled the virtues, commercial and otherwise, of the "poor man's Orchid."

Secretary H. A. Bunyard reported the receipt of a communication from Doubleday, Page & Co. offering the Society a trial ground near New York as an auxiliary to the grounds at Ithaca. The offer was on motion accepted and the secretary was instructed to convey the thanks of the Society to the firm for its kind offer. The Rev. W. T. Hutchins then read a paper on

Spencer Types of Sweet Peas,

which we reproduce in part, as follows:

Extending to every lover of Sweet Peas my heartfelt greeting, I want to say I have come to this meeting to pay a just debt of obligation to the men who have had the courage and devotion to say that the Sweet Pea has in America deserved a national society. * * *

I hold that the Sweet Pea in its present range of color, and in its finest Spencer form, yields the first place to no other flower that can be named. And yet I recognize that the originators of this American National Society have shown peculiar qualities of courage and faith in launching the Society and in trying to have an annual show.

I have a very lively recollection of the Sweet Pea shows we held in Massachusetts during the nineties, and have by no means forgotten that before the decade expired we were unable to grow the flower. And it was then that in Great Britain the awakening began that led to the great bicentenary of 1900 and to the conversion of a new body of specialists, and then to the advent of the Spencer race of Sweet Peas. Even if the initial steps in starting this American Society are little more than tentative, I think you could not be mistaken in your duty to set the thing going. If you could fill your tables here today from the original seedling stock that I have seen in California every one of you would say it is high time we got into step with the Society in Great Britain. And if you are having difficulty with the Spencer Sweet Peas then all the more there should be organized action taken to find out why this magnificent new race of Sweet Peas is causing serious trouble.

We were really the first in this country to do honor to Henry Eckford. And now, beyond all question, we have another and more beautiful chapter on this flower to be enthusiastic about. The weekly notes in the English papers show that the Spencer race of Sweet Peas is there exciting the most phenomenal interest. How can we help being at least a close second to them in our intelligent appreciation of the fact that the Sweet Pea has made another historic record for itself? If only a few appreciative men here in New York pay their respects to this fact that this flower has now greatly surpassed the grandiflora beauty which Mr. Eckford spent so many years to reach, that of itself is sufficient reason to organize under the name of the National Sweet Pea Society of America. And if you cannot quite "deliver the goods" here at your annual New York show, you have abundant incentive to meet here and stimulate interest in the subject until it is made perfectly clear why as fine Spencer Sweet Peas are not grown around New York as can be shown anywhere in the world. To me the subject is profoundly pathetic. Has any decree of Heaven said, Thou shalt not grow the finest Spencer Sweet Peas here along the Atlantic Coast? A good motto for this American Society would be, "God wills that we shall grow the Spencer Sweet Peas here on the Atlantic Coast at their very best." It is not going to require any great amount of moral courage to say there is a reason why our rows of Sweet Peas have been less vigorous than they used to, and why they have such a precarious struggle to survive a very much shortened blooming period. There is certainly a reason why the haulm and the flower stem and the blossom do not show the same prompt, vigorous characteristics here now that we used to get twenty years ago. This flower is not an exotic. Its native habitat indicates that it is a coast flower, and the business of this Society is to make its discussions effective in showing just what the trouble is and how to change lamentation into rejoicing. * * *

I have looked in vain today for a single stem of Sweet Peas that graded up to the true Spencer type. You cannot go on giving annual exhibitions and label your vases Spencer this and Spencer that when the best of them are but abortive Spencers. The only thing that kindles interest in England is that they make the popular admiration tingle with the quality of blooms they are showing. To make an annual success here we have got to show the actual thing. Mr. Kerr says they have had as fine Sweet Peas shown at Fordhook as they have in California, but why have the Fordhook vines gone by? Vines that make so short a season of bloom cannot produce blossoms of bold form and good substance. No blossom can be called a Spencer if it is limp and sleazy, even if it came from Spencer seed. It is to the interest of every one of us to hold jealously to the type which nature has set for us in the true Spencer. I want to pay my share of the price of moral heroism that is going to be needed in holding the standard of our exhibitions up to the mark which the English Society has set. * * *

I suppose it is an inevitable incident in high grade floriculture that competition will excite a strained effort to get results by excessive culture, and the next step is to experiment with fertilizers, and the next step is a reaction on enthusiasm. But Nature is absolute. If a plant is not a gross feeder you cannot make one of it. And when you have carried development to its limit, Nature says, "Thus far and no farther." Beyond that we invite disaster.

And now if my paper is to have anything more than conventional value you will allow me to broach what I believe is the crucial Sweet Pea question here on the Atlantic Coast. Heaven wills that you shall duplicate here at their finest exhibition quality every grandiflora and Spencer Sweet Pea that has been shown in England or is being produced in the California workshop. I am sure the English specialists will think it strange if we do not, and taking Lester Morse as a standard California grower of Sweet Pea seed, anything that I can say, no matter how it effects his commercial interest, he will be glad to have said. For well nigh twenty years he has been doing his very best to supply the trade with the best possible seed. And other growers have at least had as conscientious and honest a motive. I do not see how any improvement can be made in the California seed. Lester Morse has put more expense into some of the higher phases of this seed question than he could afford to. And since the Spencers have come in the question

(*Continued on page 90*)



American Team **Greek Team**

The Baseball Teams at the Greek-American Picnic, July 7, 1910.

Photographs by Wm. A. Hanft.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

In the regular types of greenhouse construction the crudest and oldest form is that known as "wood" construction, which is composed mainly of wood with the exception of the columns for supporting the wooden purlins, which are generally constructed of iron pipe. The eaves of the house are supported with wooden posts placed in the ground, sometimes bedded in concrete, but generally speaking just set in the earth with a flat stone at the bottom of the hole, a depth of about 3 ft. below grade.

As before stated, this type of house is now almost obsolete, owing to the fact that the quality of stock demanded today requires a house of the greatest possible light for its production, and this feature cannot be secured in an all wood construction. To assist the grower whose immediate available cash will not admit of erecting a more modern structure, we will consider some of the principal features in connection with the construction of this type of house.

Fig. 45 shows the approximate form of the principal wood parts used in the construction of such houses of even span, both singly and ridge and furrow, the exact outlines and sizes of which may vary somewhat according to the standard adopted by the different manufacturers, but members formed of the sizes and shapes shown have been used successfully.

Forms No. 1 to 3 show three different styles of ridges. No. 1 shows a type of ridge and cap suitable for two roof ventilating sash opening at header and with projections at the bottom, which form partial support for the roof bars.

No. 2 shows a lighter and cheaper form of ridge and cap for the same purpose. In this case it will be necessary to use light iron straps which will be secured to the bottom of the ridge and to the sash bar on both sides to form support for same.

No. 3 shows the form of ridge used where the roof ventilating sash are made to hinge at header, in which case the cap is secured to the rail of the sash and laps over the ridge, the sash being placed alternately on each side of the ridge or all on one side only.

No. 4 is a good type of vent header, which is so formed as to catch the condensation from the under side of the vent sash. This header is gained out to set over the roof bars, as shown at "A" No. 5, and is notched at intervals on the top as shown at "B." In this way the water of condensation which collects in the header is allowed to pass outside on the top of the roof glass, thus preventing any drip in the house from this point.

No. 6 shows the same form of vent header, only increased in size so as to admit of securing the vent butts to same, when it is desired to open the sash at the ridge, the condensation being collected and discharged from the same as in the previous case.

No. 7 illustrates a form of vent rest or weather strip which is intended to be placed on top of the roof bar, beneath the joining of two roof sash, when the sash are placed continuous. In such a case the water that passes through the opening between the two roof sash collects in and passes down the groove in the vent rest, and is discharged into the vent header and passes out on to the roof glass, along with the water of condensation.

In many instances where the roof sash are continuous there is a piece of flat iron, about 2" x ¼", secured on the outside of the sash over the joining. In such cases the vent rest would be unnecessary, except where two sections of sash operated separately come together. Where the roof sash are placed with a light between each sash, this vent rest or weather strip is constructed similar to No. 8, and is secured to the roof bar at the end of each sash.

Nos. 9 and 10 show two forms of eave plates, No. 10 being constructed with a drip gutter to catch the water of condensation from the under side of the roof glass, and this water of condensation is drained from same through small pipes placed at intervals. This is not a very desirable construction, owing to the fact that the small pipes are easily clogged and fail to drain the water from the gutter, the result being that the lodgment of the water in the gutter causes rapid deterioration. It is much better to use an eave plate of the form of No. 9 and allow the water to drip down from same, or else to place a galvanized iron gutter beneath the plate to catch the water.

Where solid glazing is used, the side bars should be toe-nailed to the eave plate, but where side sash are used it is better to use a header similar to that shown in No. 11.

Nos. 12, 13 and 14 show three forms of Cypress sills. No. 12 is the regular form of sill for use with solid glazing, where double wood siding with paper is used between the sill and the grade line. No. 13 is the same kind of sill, with the exception that the rabbet is cut farther back, so as to allow for side ventilating sash. In either case the sill is secured to the wooden post which supports the eaves of the house. No. 14 shows a form of sill sometimes used in connection with 8" concrete or brick walls. The sill is secured to the wall by means of bolts, which are bedded in the wall, the eaves of the house being supported by means of wood posts, which extend from the sill to the eave plates. However, this construction is very rarely used in connection with commercial houses, but is sometimes adopted in the construction of an all wood private structure, and when painted presents, while new, an appearance on the outside somewhat similar to an iron sill; but, of course, this is not at all desirable, as owing to the fact that concrete or masonry work retains a certain amount of moisture, and as it is impossible to keep the under side of the sill protected, it deteriorates quickly.

Nos. 15 and 16 show base boards, one with and the other without a cap; and where it is a matter of saving in the first cost the baseboard without a cap will be found to answer every requirement. The advantage of a cap on the baseboard is that because the siding is secured to cap it is easy to replace the baseboard, and as this is subject to the deteriorating effects of the combined action of the moisture of the earth in which it is bedded and the atmosphere it is one of the first parts to require renewing.

No. 17 shows the approximate form and size of the regular type of sash or glazing bar used in houses of this class, and also in what is known as half iron or semi-iron houses. This bar has sufficient strength to admit of the placing of the roof supports about 8' apart. It is not advisable to exceed this distance without increasing the depth of the bar.

The roof bar should always be milled with a drip groove on both sides, as shown, down which the water of condensation passes to the eaves, so as to prevent any possible chance of the water dripping on beds or walks.

No. 18 is the regular type of side and end bar used for solid glazing between the eaves and sill, and also for the gable. The vertical height of these bars should not exceed 5' without a purlin support on brace.

No. 19 illustrates the end roof bar or gable rafter, that is, the last bar of the roof immediately above the gable. As will be seen, it is rabbeted to receive the upper edge of glass of the gable.

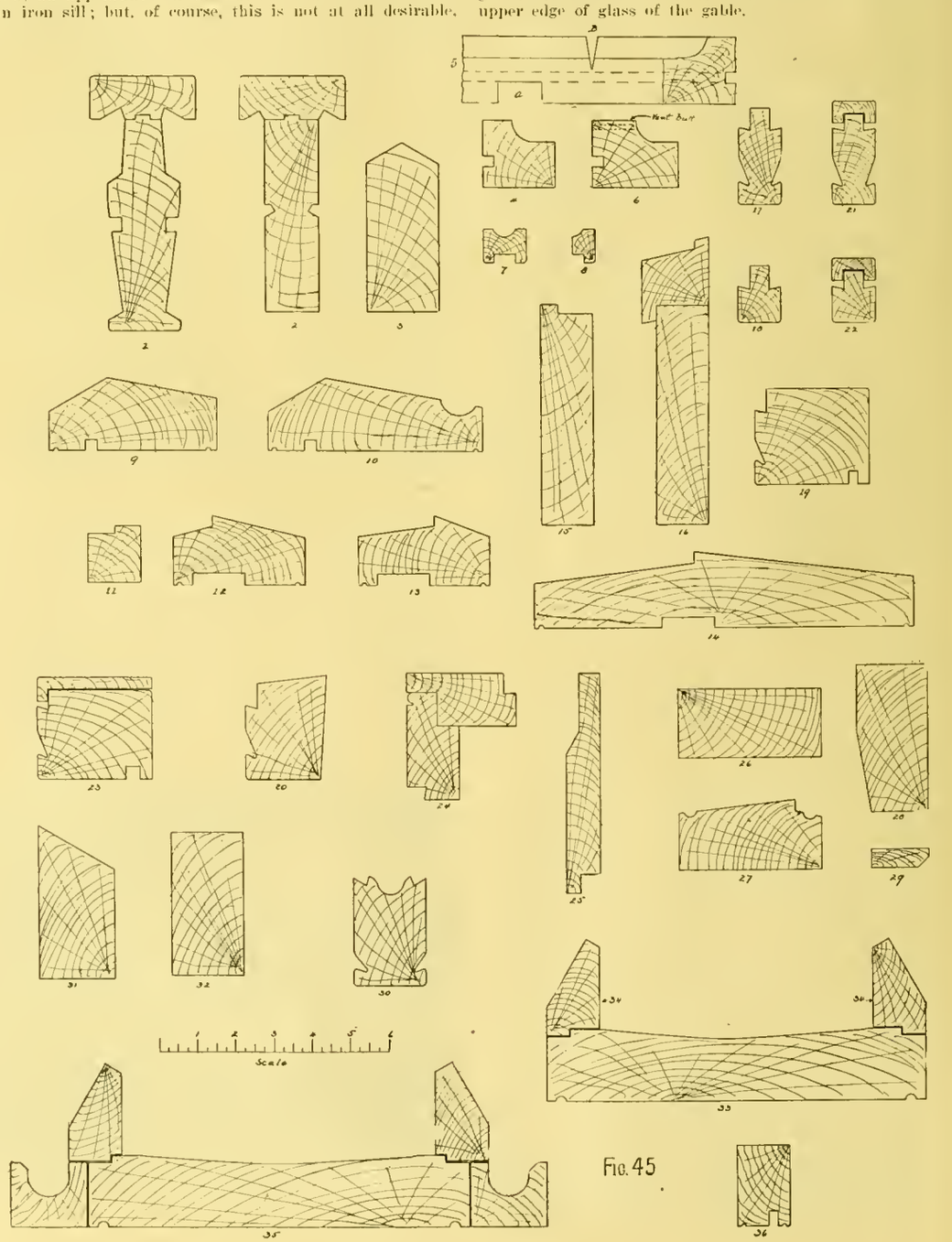


FIG. 45

No. 20 shows a scribing roof bar. This is the last roof bar coming in connection with a work-room or other building. The joining between this bar and the face of the building should be flashed to make the connection tight. These roof and side bars are all intended for use with lapped glass. The bars shown in Nos. 21 to 23 are of the same general description, with the exception that they are what is known as capped bars and are for use where it is desired to use butted glass, the glass being laid edge to edge and the caps secured to the bars by means of screws holding the glass in place without the use of putty. Some years ago this style of glazing was greatly used, but advocates of this method are fast disappearing, although in some sections of the country there are still some who advocate it, but their strenuous advocacy savors of the defence of a forlorn hope. From our experience, by far the best results are obtained by setting the glass in first-class greenhouse putty, with each light properly selected for matching as to the curve, and firmly secured with zinc glazing points. However, we will take this matter up more fully under the head of glazing.

No. 24 shows a form of corner boards extending from sill to eaves and rabbeted to receive the side and gable glass. Corner boards of the same size and design without the rabbet for glass may be used below the sill. No. 25 shows siding of the novelty pattern which it is generally advisable to use. This is made in various widths, but it is better not to use siding too wide. That shown in the illustration is 6" wide over all and will present a $5\frac{1}{2}$" face.

No. 26 is a regular form of door jamb. No. 27 shows a door header rabbeted to receive the glass above the door and also provided with drip grooves to prevent water dripping.

No. 28 illustrates a regular form of door sill with chamfer; the top of the chamfer should be set about $\frac{1}{2}$" above the top of the walk.

No. 29 shows the door stop which should be nailed to the door jamb on both sides and also underneath the header.

No. 30 is a form of valley bar which has been found satisfactory. No. 31 is a roof purlin, the top of which should conform to the pitch of the roof bars which would be nailed to same, so that the bottom of the purlin would be square with the flange on the supporting pipe post.

No. 32 shows a gable purlin. This should be gained out to receive the gable bars.

No. 33 is a regular form of wood gutter, and No. 34 shows the sills in connection with same when used between two houses set together in the ridge and furrow form, the gutters being supported on wooden posts the same as the eave plate. In such cases there is generally a bench placed each side of this post, the result being that the water of condensation from the under side of the roof drops from the edge of the gutter sills to the bench, causing damage to stock. This can only be avoided by setting the benches far enough out, which causes a waste of space. However, this could be obviated by using a drip gutter as shown in No. 35; or, better still, have this drip gutter formed with galvanized iron.

Where solid glazing is used beneath the gutter, it is well to use a glazing header similar to No. 36, with a sill similar to No. 12, secured to the posts that support the gutter at about the height of the top of the beds.

N. Y. and N. J. Assn. of Plant Growers' Outing

The N. Y. and N. J. Association of Plant Growers had a most delightful outing at Lake Hopatcong, N. J., on Thursday, July 7. The party, to the number of about 75, assembled at the D. L. & W. R. R. depot, Hoboken, about 8 o'clock a.m., and boarded two special cars attached to the 8.15 train. On arrival at the lake the company embarked on one of the power boats and proceeded to Mountain View House, one of the many hostelries on the shores, pleasantly situated and admirably suited to the requirements of the occasion. The male portion of the party after a short reconnaissance of the grounds, settled down to a bit of bowling practice. About 11.30 an enjoyable luncheon was served in the hotel, and all were ready for the afternoon's entertainment. The ladies, with F. R. Pierson and one or two other male escorts, enjoyed a sail around the lake, which is about $9\frac{3}{4}$ miles long. At the start of this party an event not on the program caused first consternation and then amusement. The Schultheis brothers, who were disporting themselves in a canoe, near the boat, capsized their craft and were thrown into the water. It was soon seen that they were perfectly safe, and the laugh was on them as they made for the landing and proceeded to the hotel to get a dry out. The sail occupied about two hours, and in the meantime the men finished the bowling match. Five frames were bowled by each contestant, Alfred Zeller winning first prize with a score of 102, H. A. Drury second with 93, and A. Lemoine and J. H. Pepper tying for third with 91, Mr. Lemoine winning out on his tie.

The ladies on their return from the boat ride went to the bowling alleys and played their match. Mrs. Schoelzel took the first prize with a score of 78, Mrs. Wittman second with 61, Miss Zeller third with 50, and Miss Roehrs fourth with 49.

While the ladies were bowling the men indulged in a stag boat ride, making two stops on the trip to "count heads," and a third stop to land Mr. Pierson near to a railroad station so that he could return to Tarrytown where he was to preside at a dinner that evening.

Dinner was served at the hotel at 6 o'clock, and certainly appetites were not wanting.

The station was reached at 8 o'clock, and the return trip made without incident.

The weather was delightful, with an agreeable temperature, in marked contrast with the heat in evidence in New York upon the return. The committee in charge of the outing, composed of Herman C. Steinhoff, Julius Roehrs, Jr., and Herman Schoelzel, is to be congratulated upon the great success of the outing.

The American Gladiolus Society

The schedule of prizes and entry blanks for the Rochester Exhibition are now ready to mail, and all interested not receiving same may obtain them by applying to the secretary before August 12.

Geo. B. Hart of Rochester has offered a silver cup for the exhibit containing the largest number of standard varieties.

When it is desired that exhibits be staged by the Society, notice should be sent as early as possible to the corresponding secretary. Exhibits forwarded by express should be addressed to Am. Gladiolus Society, Convention Hall, Rochester, N. Y.

President Hendrickson has appointed the following committee on awards: Prof. L. B. Judson, Ithaca, N. Y.; Michael Keller, Rochester, N. Y.; Al. Salter, Rochester, N. Y. L. MERTON GAGE, Corres. Sec'y.

Orange, Mass., July 11, 1910.

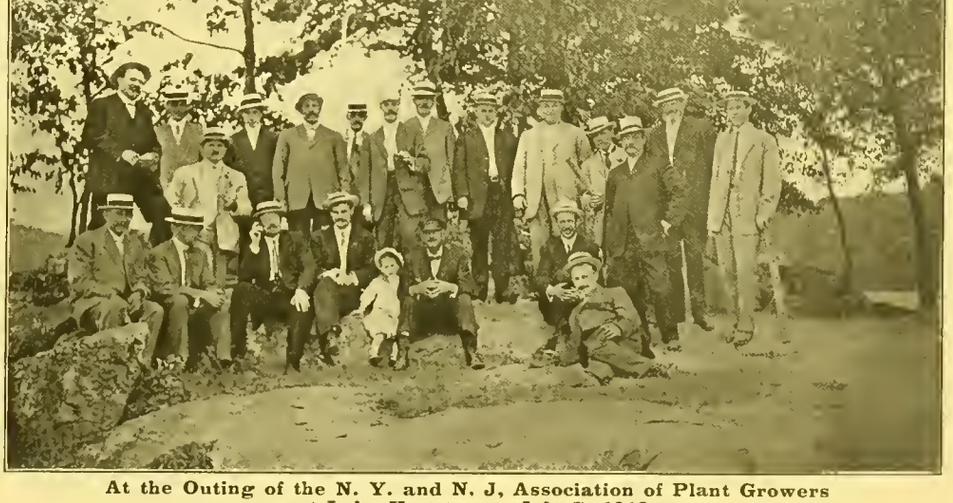
Schedule of Prizes

OPEN CLASS

1. Vaughan's Seed Store.—Silver medal, for best 25 spikes of Mrs. Francis King.
2. Peter Henderson & Co.—$10.00 in gold, for best 12 vars. not now on the market, 3 spikes each.
3. W. W. Rawson & Co.—Silver medal, for best collection 25 vars., 3 spikes each.
4. W. W. Rawson & Co.—Silver medal, for most artistic basket filled with Gladiolus America.
5. W. W. Rawson & Co.—Silver gilt medal, for the best American seedling never before exhibited or yet disseminated.
6. W. W. Rawson & Co.—Bronze medal, for 10 spikes best Scarlet Gladiolus.
7. W. W. Rawson & Co.—Silver medal, for 10 spikes of the purest White Gladiolus.
8. Weeber & Don.—$10.00 in gold, for best ten vars. to include Princeps, Baron Hulot and Contrast, 3 spikes each.
9. A. L. Miller.—$5.00 in gold, for best display of pink and white vars., 3 spikes each of at least 6 vars.
10. E. H. Cushman.—$5.00 in gold, for best vase of 25 whites; $3.00 in gold, for 2nd best vase of 25 whites.
11. A. T. Boddington.—$5.00 in gold, for best vase of any named yellow variety exhibited by any one.
12. John Lewis Childs.—$10.00 in gold, for best collection of Childsi varieties, 3 spikes each, to include Attraction, Blanche, Cardinal and Wild Rose.
13. I. S. Hendrickson.—$5.00 in gold, for best vase of Contrast, not less than 12 spikes.
14. Geo. B. Hart.—Silver cup, for the exhibit containing the largest number of standard named varieties.

AMATEUR CLASS

15. Stumpp & Walter Co.—$10.00 in gold, for best 12 vars., 3 spikes each.
16. F. R. Pierson.—$5.00 in gold, for best collection of white throated named vars.
17. F. R. Pierson.—$5.00 in gold, for best collection of striped and mottled named vars.
18. A. T. Boddington, $5.00 in gold, for best collection of yellow named vars.
19. John Lewis Childs.—$5.00 in gold, for best vase of "America," not less than 12 spikes.
20. L. Merton Gage.—Silver cup, for best collection of blue vars.
21. J. M. Thorburn & Co.—Silver cup, for best collection of Primulinus type and hybrids.
22. Montague Chamberlain.—Silver cup, for best 6 named vars., 1 spike each.



At the Outing of the N. Y. and N. J, Association of Plant Growers at Lake Hopatcong, July 7, 1910

Judging New Varieties of Roses at Bagatelle, France

The judging in the trials of new Roses, instituted by the City of Paris, in the Gardens of Bagatelle, now incorporated with the Bois de Boulogne, took place on June 18, when the jury assembled, choosing for their presidents Mr. Lévêque, of Ivry-sur-Seine, in the French section, and Mr. Arthur William Paul, of Waltham Cross, England, for the foreign division. Owing to the unfavorable season or other causes, the flowering of the new Roses was not so satisfactory as last year, and out of the sixty-nine varieties of 1908-9 submitted for trial, none were considered worthy of the two gold medals, placed at the disposal of the jury by the City of Paris. The varieties in the best condition on the day of the judging were Colonel Leclere (H.T.), Commander Jules Gravereaux (H.P.), Elaine (H.T.), Entente Cordiale (H.T.), Grace Molyneux (H.T.), His Majesty (H.T.), Jules Levacher (Wich.), Lady Alice Stanley (H.T.), Lady Ursula (H.T.), Mme. Ruan (Pern.), Marie Mascurand (H. T.), Molly Sharman Crawford (T.), Mrs. Alfred Tate (H.T.), and Senateur Mascurand (H.T.). These received seven or eight points each, out of a possible ten, and the four following were ultimately selected for certificates of merit:—Molly Sharman Crawford, Lady Alice Stanley, Marie Mascurand, and Commander Jules Gravereaux. Of the varieties of 1909-10 provisionally inspected with a view to adjudication next Summer, the following were in the best condition:—Beauté de Lyon (Pern.), 10 points; Jonkheer J. L. Mock (H.T.) and May Miller (H.T.), 9 points each; and Eugène Boullet (H.T.), Gaston Bournier (H.T.), Lieutenant Chaure (H.T.), Nathalie Böttner (H.T.), Rena Robbins (H.T.), Theresa (H.T.), Tip-top (poly.), and William Speed (H.T.), 8 points each.

The landable object of these trials is to award a gold medal or medals to the best new Roses or Roses of the year under review, but experts in Rose culture will understand the almost insuperable difficulty in the way of obtaining a simultaneous flowering of the different kinds at the time the judging takes places.—*Journal of Horticulture*, Eng.

NEW CALCEOLARIA RUGOSA HYBRIDS.—The firm of Neubronner & Co. of New-Ulm, Bavaria, Germany, has been very successful in its experiments of transferring, by cross fertilization, the fine colors of the large-flowered annual hybrids to the bush Calceolarias, which bloom throughout the Summer. These new rugosa hybrids develop very large trusses and are much freer bloomers than the old rugosa varieties. Within the next few years the firm hopes to have an assortment of splendid new varieties; the first of these, which has been under observation for several years as pot and group plant, they expect to introduce in 1911.—*Moeller's.*

F. E.—Best Advertising Medium

National Sweet Pea Society

(*Continued from page 87*)

of making it pay has sorely tried the generosity of his nature. He can be depended on to hold his methods of selection and roguing up to their uniformly thorough standard. But the duty of the hour requires that it shall be frankly said that you cannot get any better seed from California than you have had, and if you import your seed direct from England you will get even poorer results. The English seed is improved by being put through the California alembic. And setting aside the Spencer novelty question, the California seed has got to be the mainstay of the trade for the future, so far as we can see into it.

Whatever discussion of the growing of Sweet Peas for exhibition purposes we indulge in, the matter of commercial seed growing is left just where it was. The same acreage will be grown and the same general demand will be reported by the trade. Even if we should start a discussion here suggestive of a radical innovation, it will bear only on the matter of somebody's growing a very limited quantity of seed that will ensure the highest exhibition results to those who are ambitious to enter the competitive lists. It is positively an anomaly that we are not today in Boston and New York and Philadelphia showing the American public, on this Atlantic Coast at least, fifty of the finest Spencer novelties, in their most magnificent form and, no matter where this seed is to come from, such exhibits would certainly increase the demand for all other grades of Sweet Pea seed. * * *

I fear if anyone of us should set about doing the thing that must be done, it would take us the best part of ten years to produce a selected strain of seed that will be really indigenous to this part of the world, a strain of seed that will fall into the old fibrous root habit, and will give a vigor of vine sufficient to carry ont the splendid quality of bloom that has come to us legitimately in the Spencer type. It seems to me that at present the only practical thing to do is for Mr. A. or Mr. B., somewhere in Mass. or Vermont, or somewhere in N. Y. or Penn., or somewhere else where the soil and climate conditions are similar to this Atlantic region, to start in, and select and grow, strictly for a strain of seed. There is no possible hugbear in the way except the patience and time it would take to get there. It is what I call localizing the seed stock. English seed can be grown in England. The seed stock is localized. * * *

Neither Mr. Burpee nor Mr. Morse, with whom I have all these years had the most friendly relations, will feel that I am saying auything objectionable. There is no place on earth where I am so happy as to drop down at the Gilroy ranches and revel in the seedling stock and the trials there. If I were to tell you about the most interesting things there, I should want to specify in detail one hundred things that have either giant size, or special Spencer quality, or novelty of color? The intensity of interest tires me out in one hour as I feast on them. And at present that is all the workshop we have for making the seed stock that we must depend on for results here.

I have never been able to decide dogmatically why we here do not get a good fibrous root and vigor of vine from this seed. Is it due to hybridization or is it due to California conditions of soil and climate? Has the stiff California soil changed the root habit, or is it because in California the vines go to seed and are harvested in July? They must do things there as the climate and season compel them. And for the past three years I have myself been growing that seed in California, and it has yielded every result I could ask. Give it garden culture, trellis it, keep it well watered, keep the blossoms cut and no words of praise can be too fulsome in expressing the lavish pleasure your vines will give you there in California. Probably that is simply an argument for the localizing of the seed stock. But while waiting at New Haven, I could look out of my window, and there was a spindling row of Sweet Peas; they came from the finest Spencer varieties, seed that I sent East, and they had every care bestowed on them, and they are—what?—the merest scrubs of blossoms. * * *

I feel about the Sweet Pea here on the Atlantic Coast as I should feel about a great campaign of education. Coming as I do from the California Sweet Pea paradise, and keeping up with the weekly reports of the Sweet Pea specialists of Great Britain, the type of this flower that I have been filling my soul with is, of course, the Spencer class at its very best. I made three visits last Summer to Morse's trial grounds and his fields of seedling stock, and each successive visit only filled the cup of satisfaction to fuller excess. The Spencer Sweet Pea as I have seen it there is an actuality. In every color it takes giant form and beautiful character. It does not try to get there, it gets there at a bound. When I went to make my third visit last Summer to gather seed to take home with me, I thought I should find that the blossoms all through the trial fields had gone by their best bloom; but instead they seemed to be in stronger bloom. It was such a feast to look through the rows to select pods where there was still an abundance of stems in full and finest flower. Much of this was original seedling stock, and showed a good many breaks but every break produced a giant Spencer white, or a giant Spencer Primrose, or some other color. Those California fields are the paradise of this flower. But the point I was to urge is that this highest Spencer type must be the goal we shall set on the Atlantic Coast, and I do not for a moment doubt that it is possible to reproduce anywhere within a radius of a hundred miles of New York as fine an exhibition stock of Spencer Sweet Peas as can be grown in either California or Great Britain. I would not listen for a moment to any doubt of this fact. The Sweet Pea has in it all the plant vigor and floral involution necessary to make it here what they make it in Great Britain. We can have two-inch blossoms, and can thrill the popular admiration here as well as those English specialists can. And I feel sorry for the gentlemen who are trying to make the flower worthy of a National Society to have to contend with such serious difficulty in getting up this annual show. * * *

I must tell you that even in California, the Spencer Sweet Pea is but little known. I virtually introduced it this last year at Santa Rosa. But you will be surprised when I say that the reason is that now almost every garden is so infested with snails people generally are disheartened trying to grow such flowers as must come through the tender seedling stage. I suppose I supplied two hundred people with Sweet Pea seed last Fall and this Spring, and the common answer was "I have failed with my Sweet Peas. The snails or the cut worms or the sparrows get them." And yet the old common Sweet Pea seed themselves every year and defy all pests. But a few people this year did bring their Sweet Peas through their infantile dangers, and were enthusiastic in their praise of the Spencer varieties. There is no further secret about growing them in finest form after they are got past the snails and cut worms and sparrows. * * *



W. A. Burpee and Harry A. Bunyard, secretary of the National Sweet Pea Society, discussing the "Poor Man's Orchid" at the recent gathering of seedsmen at the Burpee trial grounds, Fordhook, Pa. On that day the Sweet Pea trials were examined by many scores of interested men.

Now that I am back on the Atlantic Coast I do not know when I shall see a row of Spencer Sweet Peas at their best, but I shall keep my faith alive with the assurance that just as fine Sweet Peas as the world has ever seen can be grown anywhere between Great Britain and California. If, in suggesting the course we must pursue, I shall seem to be something of an innovator, I shall have the cordial approval of every broad minded seedsman. I have never yet been hired to keep silent, and it has been my great pleasure to meet seedsmen on the most disinterested side of their nature.

I would have no satisfaction in reading this paper tonight if I did not have the most unbounded appreciation and confidence in the possibilities of the Sweet Pea. No temporary setback can effect the question permanently. The Sweet Pea once grew with the greatest vigor and the greatest overflow of florescence all through this Atlantic region. Twenty-five years ago, in Massachusetts and Connecticut, we could give them but scant culture and attention and still have the most thrifty growth of vine and abundance of bloom. I am sure if there is anything in our power that we can do to restore that day we shall all be glad to do it. And what a suggestion it is to think of the Spencer Sweet Pea with that old basis of vigor and of root quality to build our hopes on! * * *

At the conclusion of the reading a hearty vote of thanks was accorded Mr. Hutchins.

Secretary Bunyard then read the following report of the nomenclature committee, by Prof. John Craig its chairman, who had intended to make the report in person, but had been obliged to leave before the meeting:

Report of the Nomenclature Committee

I regret very much that I cannot remain for all the sessions of the Society so that I might profit by the papers and the associated discussions. Failing in this, I shall be glad if you will kindly present to the members my congratulations on the success of this the second annual exhibition of our Society. Achievements of this kind come only through the unselfish efforts of individuals and the cheerful co-operation of the officers of the Society. I regard the progress of the year in awakening interest in the beautiful Sweet Pea as exceedingly satisfactory. This interest is shown by the splendid array of prizes offered and the keen competition on the part of exhibitors.

The Trial Grounds

I shall delegate the making of a report on the trial ground work to Mr. Beal, who has had immediate charge of the studies in field and in greenhouse, commenced last Fall and now in full swing, at least as far as the field is concerned. I may interpolate that the press of work in the recording of notes is so exacting and peremptory just now that it was with considerable difficulty that Mr. Beal was able to leave the grounds even for a day or two.

The Season

This has been most abnormal. The latter part of March and the fore part of April were Summer-like in regard to temperature; then came a six weeks' period characterized by low temperature and excessive moisture, making it very difficult to work our clay loam soil. This was followed by continued drought accompanied by immoderate heat. The net result at the present moment is that the later plantings in the seeding test have not reached normal development, either as to stature or size of flower. However, as the varieties are all under uniform conditions, the trials have normal comparative value.

Main Features of the Test

The Winter flowering varieties were studied in the forcing house to the extent of our limited facilities—I am encouraged to hope that the florists will remedy this defect by securing adequate equipment next year—Mr. Beal secured interesting data regarding vigor and flowering habits.

The field studies have included, first, a comparative test of Fall and Spring seeding covering several sowings in each season. Up to this date the Fall sowings have, as we would expect, grown the greatest amount of bloom.

In the second place, we have included as complete a collection of type species of the genus Lathyrus as could be obtained, which will enable a thorough monographic study being made. And in the third place some effort has been made to group colors and supposedly allied varieties, in order to facilitate study and comparison.

Each accession or variety is under number only in the field, so that the judgment of the critical student of varieties is not biased or influenced by supplementary knowledge in any way. When the notes have been completed the planting key will supply the names; and duplicates and synonyms will then come to the surface.

I may add that while the undertaking has developed into a larger and much more expensive enterprise than we anticipated at the outset we are working on the principle that what is worth doing at all is worth doing well and our best efforts within the limits of our material ability are being expended to secure results which shall be worth while and entirely reliable. The plants have been grown on moderately fertile clay loam and have not been artificially irrigated, though if this were feasible at the present time their growth and floriferousness would be greatly increased; but what is possible in the small garden plot may not be practicable in a field area of a couple of acres.

Permit me to say in closing that Mr. Beal and myself take pleasure in extending a cordial invitation to all persons interested in Sweet Peas to visit the grounds at Ithaca and examine the trials themselves.

Following the report Prof. A. C. Beal made an address in which he explained in detail the work being done at the Ithaca trial grounds. He exhibited the trial card in use on the grounds, by means of which the smallest detail in regard to a variety was noted.

Election of officers for the ensuing year resulted as follows: President, W. Atlee Burpee, Philadelphia, Pa.; vice-president, William Sim, Cliftondale, Mass.; secretary, H. A. Bunyard, New York; treasurer, Arthur T. Boddington, New York. To fill the vacancies on the executive board caused by the election of Messrs. Burpee and Sim to their higher offices, Harry Turner of Port Washington, N. Y., and J. K. M. L. Farquhar of Boston were elected.

On motion of Mr. Sim it was decided to hold a Spring show in Boston next year, in connection with the National Flower Show.

After a vote of thanks to Prof. Craig and Prof. Beal for their work in the interests of the Society the meeting adjourned.

The next place of meeting will be announced later.

The Exhibition

The exhibition was a very creditable one, in spite of the fact that the excessive heat of the past few weeks had left its mark on all the flowers. The stagings would

have been larger in number and higher in quality had the weather been favorable. Some of the larger growers, notably W. Atlee Burpee & Co. of Philadelphia, were unable to make exhibits, for the reason that the season had passed with them. About 2000 vases in all were on the tables, of which there were three running the length of the large building. On circular tables here and there were some fine exhibits of plants and flowers. The Sweet Pea exhibits were well staged, that of Arthur T. Boddington being particularly conspicuous through its fine arrangement with foliage effects and fountain formations. Cornell University made a splendid showing of 100 varieties. The balconies in the exhibition hall were tastefully decorated with Laural roping, and several Bay trees, loaned and placed by the A. T. Bunyard Floral Co. added materially to the decorative features. Henry A. Dreer of Philadelphia made a splendid exhibit in the form of a miniature pond of Water Lilies and aquatic plants. Julius Roehrs Co. of Rutherford, N. J., staged a table of Orchids, as also did Joseph A. Manda of West Orange, N. J. John Lewis Childs of Floral Park, N. Y., made an exhibit of several varieties of Gladiolus, Dahlias and Richardias. Wm. L. Clucas of Sparkill, N. Y., staged a handsome collection of herbaceous flowers.

The following were the awards:

Awards

Class 1.—President Harry Turner's Cup, value $25. For best 25 vases of Sweet Peas in 25 varieties. 1, Mrs. J. D. Layng, David Francis, gdr.

Class 2.—The W. Atlee Burpee Cup. For the finest and largest collection of Sweet Peas. 1, Howard Gould, Castle Gould, N. Y., Harry Turner, gdr.

Class 3.—The W. Atlee Burpee Prize. For the best vase of waved or Spencer type Sweet Peas introduced 1910. First, $5; second, $3; third, $2. 2. Hon. Seth Low, Bedford, N. Y., Hugh Birch, gdr.

Class 4.—Arthur T. Boddington Prize, a silver "Challenge Cup," value $50. For a collection of Sweet Peas, 25 varieties, not less than 25 stems to a vase, to be shown with Sweet Pea foliage only. To be won twice by the same exhibitor. Mr. Boddington will also award to the winner of this cup (each time won) a cash prize of $25, also $15 second prize and $10 third prize. 1, Hon. Seth Low; 2, Howard Gould; 3, S. Untermyer, Greystone, Yonkers, N. Y., Wm. Barth, gdr.

Class 7.—Rawson's Silver Medal. For best 20 spikes of Sweet Peas "Rawson's Snowflake." 1, Morton F. Plant.

Class 8.—Rawson's Bronze Medal. For best three vases comprising white, lavender and pink; open to amateurs only. 1, Mrs. Jno. D. Wing, Millbrook, N. Y., N. G. P. Bovington, gdr.

Class 10.—Henry A. Dreer Prize. For best 21 vases of Sweet Peas, the 21 incomparable standard varieties as enumerated in Dreer's Garden Book for 1910. First, $20; second, $5. 1, Mrs. J. D. Layng; 2, Hon. Seth Low.

Class 11.—Jerome B. Rice Seed Co.'s Prize. For best vase of white Sweet Peas. First, $5; second, $3; third, $2. 1, R. & H. Scoville, Chapinville, Conn., Walter Angus, gdr.; 2, S. Untermyer; 3, Mrs. C. D. McDougall, Auburn, N. Y., S. Williams, gdr.

Class 12.—The Peter Henderson & Co.'s Prize, $10 gold. To be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of Sweet Peas, including not less than six of the Spencer type. The number of sprays to each variety to accord with the Society's rules. 1, Mrs. J. D. Layng.

Class 14.—The Henry F. Michell Co.'s Prize. For best three vases of Sweet Peas (one vase of each variety). Frank Dolby, White Spencer, Mrs. Alfred Watkins. First, $5; second, $3; third, $2. 1, Hon. Seth Low.

Class 15.—The C. C. Morse & Co.'s Prize, a silver cup, value $25. For finest collection of Sweet Peas (open to the trade only). 1, Arthur T. Boddington, New York.

Class 16.—Watkins & Simpson's Prize, value $10. For best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle. 1, Morton F. Plant.

Class 17.—Stumpp & Walter Co.'s Prize. For best three vases of Sweet Peas Spencer type. First, $5; second, $3; third, $2. 1, R. & H. Scoville; 2, Morton F. Plant; 3, Hon. Seth Low.

Class 18.—The J. M. Thorburn & Co.'s Prize. For the best vase of pink Sweet Peas; one variety only. First, $5; second, $3; third, $2; 1, Morton F. Plant; 2, Mrs. J. D. Layng; 3, S. M. Goldsmith.

Class 19.—The John Lewis Childs' Prize. For best vase of white Sweet Peas; one variety only. First, $5; second, $3; third, $2. 1, R. H. Scoville; 2, Morton F. Plant; 3, Mrs. C. D. McDougall.

Class 20.—The Sutton & Sons' Prize (Reading, Eng.) Cup value $25. For best table of Sweet Peas to be arranged on a space four by three feet and not to exceed three feet in height. 1, Col. F. Mason.

Class 21.—F. R. Pierson Co.'s Prize. For best 12 vases of Sweet Peas, in 12 varieties. First, $10; second, $5. 1, Morton F. Plant; 2, Mrs. John Magee, Mt. Kisco, N. Y., J. H. Andrews, gdr.

Class 22.—The Aphine Mfg. Co.'s Prize. For best collection of Sweet Peas, open to florists only. First, $15; second, $10. Wenkler Bros., Hackensack, N. J.

Class 23.—The Anton C. Zvolanek Prize. For best 10 vases of Spencer and Unwin types, in 10 varieties, $10. 1, Hon. Seth Low,

Class 24.—The John Young Prize. For best vase of Sweet Peas never before exhibited, one variety only, $5. 2, R. & H. Scoville.

Class 25.—The Florists' Exchange Prize. For best vase Countess Spencer. First, $3; second, $2. 1, Morton F. Plant; 2, R. & H. Scoville.

Class 26.—The A. L. Miller Prize, $5. For finest bunch mixed Sweet Peas. This vase may contain as many sprays as the exhibitor desires and Sweet Pea or other foliage may be used. 1, R. & H. Scoville.

Class 27.—The Mrs. Lea McIlvaine Luquer Prize. For best vase of crimson or scarlet Sweet Peas, one variety only. First, $3; second, $2; third $1. 1, Morton F. Plant; 2, R. & H. Scoville; 3, Hon. Seth Low.

Class 28.—The Frank H. Traendly Prize. For best vase of lavender Sweet Peas, one variety only. First, $3; second, $2; third, $1. 1, Morton F. Plant; 2, Hon. Seth Low; 3, Mrs. C. G. McDougall.

Class 29. The Burnett Bros. Prize. For best vase of blue Sweet Peas, one variety only. First, $3; second, $2; third $1. 1, R. & H. Scoville; 2, S. M. Goldsmith; 3, Morton F. Plant.

Class 30.—The Harry A. Bunyard Prize. For best vase of vari-colored Sweet Peas. First, $3; second, $2; third, $1. 1, Hon. Seth Low; 2, Morton F. Plant; 3, R. & H. Scoville.

Certificates of Merit.

Cornell University, Ithaca, N. Y., for a collection of 100 varieties of Sweet Peas.

Henry A. Dreer, Philadelphia, for an aquatic exhibit.

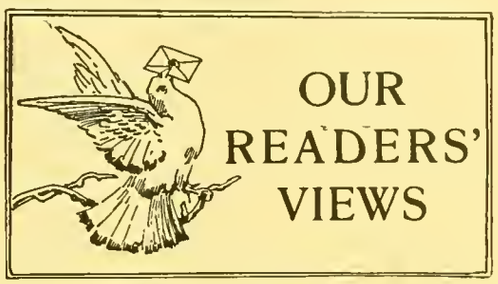
Julius Roehrs Co., Rutherford, N. J., for an exhibit of Orchids.

Joseph A. Manda, West Orange, N. J., for an exhibit of Orchids.

John Lewis Childs, Floral Park, N. Y., for an exhibit of Gladioli, Dahlias and Richardias.

W. L. Clucas, Sparkill, N. Y., for an exhibit of herbaceous flowers.

Among the out-of-town visitors at the exhibition were Wm. Sim, Cliftondale, Mass.; G. W. Kerr, of W. Atlee Burpee & Co., Philadelphia; George C. Watson, Philadelphia; Prof. Craig, Ithaca, N. Y.; and W. T. Hutchins, Boston.



French Seed Crops

Editor Florists' Exchange:

Please accept our thanks for your sensible editorial note at the foot of J. B. Samson's letter, on page 43, your issue 9th inst.

Our report, published only in part in your issue, June 11, was very carefully prepared in good faith. It must be obvious that it is not to our interest to advise those having contracts with us that crops appeared "good" when actually they were bad. We were aware that crops were bad with other growers, but we were writing about our own business, not about the other fellow's. Had our crops appeared "bad" instead of "good," we certainly would have said "bad." Mr. Samson, you must have noticed, made no mention whatever about the different varieties that our report did refer to as being "poor" or a "failure."

Under date of July 1, Denaiffe & Son (without having yet seen Mr. Samson's letter) write me: "On account of excessive rain and cold recently, there has been a very material change with regard to Beets, Mangels and Carrots, and the prospect with these is not so promising as in the general report previously furnished." In same letter they say that Turnip is ripening under very bad conditions and the result will be poor.

CHARLES JOHNSON,
Agent for Denaiffe & Son.

Marietta, Pa., July 12, 1910.

Relative to Seeds from Sports and Hybrids

Editor The Florists' Exchange:

I appreciate your paper very much and especially the Nursery Dept. conducted by Mr. Joseph Meehan. I get more valuable practical information from this page than I do from several other so-called nursery journals. I find Mr. Meehan treats his subjects in a plain, comprehensive and practical manner, that a novice can understand and I, for one, appreciate his writings very much. Some time ago I noticed an inquiry in regard to Weir's Cut Leaved Maple coming true from seed. I have handled the seed from an exceptionally fine specimen tree for the past five years and find that a large per cent. do not come true. Last year about 60 per cent. were nice cut-leaved, but varied in type from parent tree, some being an improvement. This year not 25 per cent. are true to type, the balance reverting to original Silver Leaf. In an experience of twenty years growing seedlings I find that seeds from sports cannot be relied upon to come true to parent tree but that a large proportion revert to original type. This is the same with seeds from hybrids.

D. W. BABCOCK.

Berlin, Md., July 12, 1910.

Delphiniums in England

The Delphinium at the present day is one of the finest herbaceous flowers for decorative purposes, and it is, perhaps, correct to say that, nowhere does there exist such a wonderful collection of these gorgeous blue perennials as in England. I have seen it stated that Luther Burbank has turned his attention to raising Delphiniums, but he will need to put in a lifetime before he can hope to catch up with the hybridists in this country.

Over here, we have scores of men, both private and commercial, who are ever working upon this flower.

Some years ago Messrs. Kelway brought out a white variety, and since that time several improvements have been wrought, the latest being Theodora, a creamy white of vigorous habit and large in flowering spike. This novelty, raised by a private gentleman, secured an award of merit from the R. H. S. quite recently. In blue forms the list is endless, every conceivable shade being represented. The latest to secure an award is Purple Velvet, a wonderful violet blue of gigantic size, raised by Kelway & Sons.

Two other varieties that are still much talked of are Rev. Lascelles, bright blue with white eye, and Belladonna superba, Cambridge blue.

Numerous varieties show a distinct mauve or pinkish tint in the center of the flowers, but this is the nearest we can get to red, yet the brillant scarlet species, D. nudicaule, can be grown from seed quite easily. This, like the sulphur colored species, Zalil, is dwarf in habit, and we can but wait for the time when these colors are worked into the gigantic forms now so popular.

T. A. W., Eng.

Index to Florists' Exchange, Vol. XXIX

This index, covering the period from the first issue in January to the last issue in June, 1910, will be shortly ready for distribution. It will contain a complete reference to all matters of interest which have been mentioned during the past six months and we should like every subscriber who keeps full files of the EXCHANGE to have this Index. Subscribers desiring a copy of the index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DELAMARE PTG. & PUB. CO., 2 Duane St., N. Y.

Obituary

John W. H. Krum

John W. H. Krum, 45 years old, formerly a florist, died July 1 at a hospital in his home town, St. Joseph, Mo., after an illness which extended over a period of three years. He is survived by four brothers and two sisters.

John W. Dudley

John W. Dudley, aged 74, head of the firm of J. W. Dudley & Son, florists, Parkersburg, W. Va., former sheriff of the county and a leading Republican, died suddenly at his home in Parkersburg on July 3. He had eaten a hearty supper, after which he took a walk about his estate. He was seized with a stroke of apoplexy as he was preparing to retire.

Andrew Finley

Andrew Finley, of Arbutus, Md., aged 81 years, father of Arthur Finley, died suddenly at his home on Sunday, July 3. Mr. Finley was born in Belfast, Ireland, and came to this country when 20 years old, settling in Baltimore county. He was well and favorably known among florists. His son Arthur started in the florist business about a year ago, raising Carnations, a work in which the deceased was greatly interested. J. L. T.

Gustav Drobisch

Gustav Drobisch, proprietor of the Cottage Rose Gardens at 1265 South High st., and Columbus' oldest florist, died last Saturday morning, after a week's illness, of a complication of diseases. Deceased was 69 years of age, coming here when 14 years old from Saxony, in which country he was born. He had been engaged in raising flowers at the same place for upwards of 40 years, doing quite an extensive mail order business through the West and Southwest. Mr. Drobisch was one of the few surviving charter members of the Humboldt-Verein, oldest of the German literary societies of Columbus, the family being prominent in German circles of the South Side. He left a family, consisting of the widow and five grown-up daughters, four of whom are married. Funeral services were held Monday afternoon at the home, the burial being at Green Lawn. The Columbus Florists' Club, of which the deceased was a member, took suitable action and also sent to the house a beautiful and appropriate floral design. C. D. B.



James Glass of Baltimore

An Enterprising Baltimore Florist

One who has pushed himself into the foremost rank of florists in the Baltimore district is James Glass, who is located on Erdman ave., at the city line, a beautiful spot overlooking Clifton Park, about three miles from the heart of the city.

The property was originally owned by John Donn, Mr. Glass becoming its proprietor in August, 1901, and subsequently making improvements until he has now one of the most uptodate plants in Maryland. The few houses in existence at the time of the purchase have been torn down and modern houses erected, ten altogether, and covering over 22,000 sq. ft. of ground space.

Something of a specialty with Mr. Glass is Ferns, and his stock of these plants averages, generally, about 75,000 plants.

Other improvements to the property, made recently, consist of a fine residence, rebuilt, new stable, and large storage and potting sheds. A feature of the grounds is a beautiful lawn, with border hedge of California Privet.

Mr. Glass has two stalls in the city markets, one in the Richmond Market, the other in the Lexington. The stall in the Lexington Market is always tastefully arranged with seasonable stock, and a good business is done.

Visitors are always welcome at the Glass establishment, and they are sure of experiencing the good old Southern hospitality. J. L. T.

New Pyrethrum Queen Mary

Pyrethrums have been a market standby over here and enormous quantities have been on offer this season. Although the past Winter was not a good one for these plants, such a season is useful for showing up the hardiness of any variety, and for this reason I would draw attention to the new double pink, Queen Mary. Double pink sorts are numerous, but there is only one in the running now, and this is Queen Mary, a novelty shown by G. Miller of Wisbech, who will disseminate it this coming Autumn. The flowers are full double, a true pink, with long guard petals, the extreme width being 3", and even more at times; stems 3 ft. long, tough and strong. I am sending a photo of this fine variety which, in the open market, has been realizing double the prices of any other sort. I commend it to your notice, and I hope to induce the raiser to make a point of offering it direct, as he has a large stock. T. A. WESTON, Eng.

NEWARK, N. Y.

Quance & Son,

Quance & Son report trade as being remarkably good. Their Spring trade has been the largest they have ever had. There was a noticeable increase in filling porch and window boxes and cemetery work, especially vases. The firm does a nice mail order business, which is steadily growing. They have a very nice, compact, well equipped place, heated with hot water. Mr. Quance and his son do all the carpentry work and piping themselves, and are past masters at it. They have five houses now, but will add two more large ones this Summer. The stock of Chrysanthemums is very good and is being planted out.

I noticed several good seedling Geraniums. A double salmon colored one is remarkably fine, and will be quite an acquisition for window boxes. Ferns and Asparagus are largely grown and the stock is in good shape.

Jackson & Perkins Co.

It is always a great pleasure to visit a thoroughly uptodate plant like this one, where everything is spick and span and run like a gigantic machine. And, by the way, the nursery reminds one of a large manufactory, for they turn out plants by the million. This may seem like tall talking, but facts are facts. Their sales of Clematis alone are over a million annually.

It was my good fortune to have Mr. Geo. Perkins show me over the 500 acres at Newark. Time would not permit of my visiting the Lyons Nursery, which is of the same size. My inspection was made with the aid of Mr. Perkins' automobile, and let me say, that I did not see a single sickly plant or tree; in spite of the severe drought and excessive heat everything is making a splendid growth. This could only be maintained by constant cultivation men and horses seemed to be everywhere.

Roses, of course, are a specialty, budded and own root plants, more than half a million of them, all making a splendid growth. Their trial grounds are most interesting, as all the new varieties are planted there and tested as to their flowering qualities, and more especially their hardiness a most important point.

My note book is so full of the good things I saw that it would take up all your valuable space to enumerate them, so I will just mention a few that impressed me most. Vaughan's White Baby Rambler is considered the best variety. Mrs. W. Cutbush, Cardinal Richelieu, Hiawatha, Tausendschon and a great many others are thought well of. A seedling Yellow Baby Rambler promises well, and there are also a number of seedling Polyantha Roses, of great beauty, which will be heard of later. There are immense blocks of every variety of Roses grown, making magnificent growths.

Japanese Iris are very largely grown and there are some wonderfully beautiful flowers. Mr. Perkins rightly called them the "poor man's garden Orchids." Peonies are quite a feature; there are several acres of them, which must have presented a grand sight. Phloxes, too, are very largely grown, as well as Tritomas, Aquilegias, Achillea, Hollyhocks, double, hardy Chrysanthemums, Gaillardias and Shasta Daisies, all in immense blocks. A new departure is the growing of Dwarf Apples, trained. It is believed there will be a good demand for them in gardens where it is not practicable to have standards.

Standard Lilacs and Hydrangeas are grown by the hundred thousand, and the stock is exceptionally fine. The demand for Berberis Thunbergii is growing larger yearly; immense blocks have been planted, and the plants are making a fine growth. Hydrangea grandiflora alba is well thought of, and Mr. Perkins believes it will prove very valuable for forcing, and a large block is being grown, as well as of the old variety paniculata. Deutzias, Forsythias, Lilacs, Philadelphus, Spiræas and all the leading shrubs are grown in enormous quantities in all stages. The fruit trees are grown at the Lyons nursery, as well as many Roses.

There are eighteen large greenhouses, devoted entirely to raising stock for the nursery. Some are filled with Roses, others with Hydrangeas, in pots. One house is given up entirely to Ampelopsis Veitchii for propagation purposes.

I said this was a plant factory, and if one would look at the vast area of frames covered with canvas, and see the millions of cuttings, my assertion would be believed. One large slat house contained about three million Clematis paniculata, seedlings and cuttings. This house is equipped with Wittbold's irrigating system, which gives great satisfaction.

The immense packing sheds are so equipped that orders are packed and shipped all through the Winter, as a very large southern trade is done. A smithy, blacksmith's shop and saw mill, all well equipped, are on the nursery. H. Y.

Calceolaria Hybrid Graciosa

Early in May, Messrs. Vilmorin-Andrieux & Co. exhibited before the French National Society of Horticulture an important new race of Calceolaria, which they have named Graciosa. It is described as follows in the Journal of the Society:

"This new race, which is entirely different from the known varieties, has its foliage more erect, though it is less abundant, than that of the variegated hybrid race, but the flowers are larger and nearly monochromatic instead of being marked or striped; the gradations of color, are moreover, perfectly marvelous, especially in the yellows, where they range from dull white to dark yellow, passing through all the intermediate shades, as cream white, cream yellow, straw color, sulphur, canary, lemon, chrome yellow, etc. The shades of orange, pink, crimson and red are also very fresh, and exceedingly effective when combined with the many shades of yellow. According to the exhibitors the Graciosa type is very vigorous, early and very freely blooming; the flowers are also less fragile than those of the older varieties."

This new race was awarded a certificate of merit.—*Revue Horticole.*

An Uptodate Florist's Electric Delivery Wagon

A. Lange, florist of Chicago, Ill., in forwarding a photograph of his new electric delivery wagon, states that its carrying space is 44x60x82 in. and that same is arranged with two light removable racks inside for small packages. The machine is supplied with both front and rear doors and is also provided with ventilators and a heating device for cold weather. The machine has a speed of twelve miles an hour and a battery capacity for 45 miles on one charge. The tires are of solid rubber, 36x2½ front and 42x2½ rear. The body has a fine coach finish and is striped and lettered in gold. Electric lamps are provided inside the car and regulation lamps are on the outside. The makers were Studebaker Bros. Mfg. Co., Chicago, Ill.



New Pyrethrum Queen Mary

Florists in good standing throughout the country can avail themselves of the advertisers' offers in thia Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. E. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minneapolis	July 16	5.00 am.	W. 16th St., N. Y.	London
New York	" 16	10.00 am.	W. 23rd St., N. Y.	Southampton
Berlin	" 16	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Lapland	" 16	11.00 am.	W. 18th St., N. Y.	Antwerp
Cincinnati	" 16	1.00 pm.	1st St., Hoboken	Hamburg
Celtic	" 16	2.00 pm.	W. 21st St., N. Y.	Liverpool
Furnessia	" 16	2.00 pm.	W. 24th St., N. Y.	Glasgow
Californie	" 16	3.00 pm.	W. 15th St., N. Y.	Havre
Ancona	" 16		W. 34th St., N. Y.	Naples-Genoa
Kronp. Cecilie	" 19	10.00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 19	10.00 am.	5th St., Hoboken	Rotterdam
Pannonia	" 19	12.00 m.	Bush Dks. Bklyn	Gib-Nap-Tr'ste
Europa	" 19	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Pennsylvania	" 20	9.00 am.	1st St., Hoboken	Hamburg
Lusitania	" 20	9.30 am.	W 14th St., N.Y	Liverpool
Majestic	" 20	9.30 am	W. 21st St., N.Y.	Southampton
Bremen	" 21	10 00 am	3rd St., Hoboken	Bremen
La Lorraine	" 21	10 00 am.	W. 15th St., N. Y	Havre
Re d' Italia	" 21	12.00 m.	Gr'nd St. Jer. Cy	Naples-Genoa
Oscar II	" 21	2.00 pm.	17th St. Hoboken	Copenhagen
Calabria	" 21	3 00 pm.	Un. St'rs, Bklyn	Naples
Campania	" 21		Pier 38, Bklyn	Rotterdam
Madonna	" 21		Pier 33, Bklyn	Naples
Columbia	" 23	9.00 am.	W. 24th St., N. Y.	Glasgow
Cleveland	" 23	9.00 am.	1st St., Hoboken	Hamburg
Carmania	" 23	10.00 am.	W. 14th St., N.Y.	Liverpool
Minnetonka	" 23	10 00 am.	W. 16th St., N.Y	London
St. Paul	" 23	10.00 am.	W. 23rd St., N.Y.	Southampton
Kroonland	" 23	11.00 am.	W. 18th St., N. Y.	Antwerp
Cedric	" 23	12.00 m.	W. 21st St., N. Y.	Liverpool
Chicago	" 23	3 00 pm.	W. 15th St., N. Y.	Havre
Floride	" 23	3.00 pm.	W. 44th St., N. Y.	Havre
Birma	" 23	2.00 pm.	Bush Dks. Bklyn	Rot'd'm-Libau
Patris	" 23		—Brooklyn	Piraeus, Patras Smyrna
Kronpr. Wilhelm	" 26	10 00 am.	3rd St., Hoboken	Bremen
Campania	" 27	9.00 am.	W. 14th St., N.Y.	Liverpool
Adriatic	" 27	9.30 am.	W. 21st St., N.Y	Southampton
La Savoie	" 28	10 00 am.	W. 15th St., N.Y.	Havre
Fred der Grosse	" 28	10.00 am.	3rd St., Hoboken	Bremen
Philadelphia	" 30	10 00 am	W. 16th St., N.Y.	Southampton
Koenig Albert	" 30	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 30	11 00 am.	W. 18th St., N. Y.	Antwerp
Arabic	" 30	12.00 m.	W. 21st St., N.Y	Liverpool
Duca di Genova	" 30	12 00 m.	W 34th St., N.Y.	Naples-Genoa
K. Aug. Victoria	" 30	12.00 m.	1st St., Hoboken	Hamburg
Caledonia	" 30	1 00 pm	W. 24th St, N.Y.	Glasgow
From Boston				
Saxonia	July 19	6 00 pm	B&A Dks. E. Bos	Liverpool
Numidian	" 22	9.00 am.	Mystic Whf, Cbar	Glasgow
Zeeland	" 26	12.00 m.	B & M Dks. Char	Liverpool
Philadelphia				
Manitou	July 22	10 00 am.	55 So. Wharves	Antwerp
Haverford	" 23	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 23		24 No. Wharves	Glasgow
San Francisco				
Chiyo Maru	July 19	1.00 pm	1st Street	Honolulu
Asia	" 26	1.00 pm.	1st Street	Japan
Mongolia	Aug. 9	1.00 pm.	1st Street	China

Some day, not far off, either, all Retail florists will appreciate the advantages of this Department. But why wait? Break the ice now, with the beginning of 1910, and write us freely. Correspondence solicited. Good photos wanted.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

For "Supply" Advertisements see page 96

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

The Park Floral Co — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.



Electric Delivery Wagon of A. Lange, Chicago—See page 92

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

ADVERTISEMENT WITHOUT NAME OR ADDRESS from New Rochelle, by Gardener, care The Florists' Exchange, cannot be inserted without giving address for transmission of replies.

LANDSCAPE ARCHITECT AND NURSERYMAN

Who is a good business man with over 20 years' practical experience as Florist, Private Gardener, Nurseryman, Forester and Landscape Engineer would accept similar position. At present general manager for a Landscape Architect and Forester. Advertiser can invest from $1000.00 to $6000.00 in a good honestly conducted business. Capable of making surveys, designing Parks, Cemeteries, private grounds, etc. Good grower of ornamental nursery stock. No hot air theorist but a practical hustler. Total abstainer. Address **"Business Ability," care The Florists' Exchange.**

SITUATION WANTED—By a Norwegian who is a good grower. Address, X. G., care The Florists' Exchange.

SITUATION WANTED—By single man, grower of Christmas, Easter and bedding stock, Roses, Chrysanthemums, Carnations. State particulars and wages. Address, X. K., care The Florists' Exchange.

SITUATION WANTED—By a single man (24); life experience in Roses, Carnations and general greenhouse stock. Also piping and fittings. Address, John W. Lawson, Long Branch P. O., N. J.

SITUATION WANTED—By experienced Carnation grower. Address, X. H., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener; good grower; years of experience in greenhouses and outside. Address, X. I., care The Florists' Exchange.

SITUATION WANTED—As foreman where full charge is given. Over 20 years' all-around experience on good wholesale and retail places. Good grower of Beauties and other Roses, Carnations and general stock. No drinker; married. State wages. Address, "Rose Grower," care The Florists' Exchange.

SITUATION WANTED—By assistant; inside or outside work. 8 years' experience. Address, "L," 217 W. 68th st., N. Y. City.

SITUATION WANTED—By German Florist; 20 years' experience in Europe and America; married. Private or commercial place. Address FRANK TAUSER, Route 2, R. F. D., Annapolis, Md.

SITUATION WANTED—By first-class designer and decorator; able to manage a store. First-class experience and references. Address, "L," 119 N. Broad street, Trenton, N. J.

SITUATION WANTED—By young man as gardener on private or commercial place; experience in general greenhouse work, Chrysanthemums, Roses and Carnations. Address, X. F., care The Florists' Exchange.

SITUATION WANTED—By A-1 grower of pot plants. Wages or commission. Willing to go in partnership with suitable party. Address, X. B., care The Florists' Exchange.

SITUATION WANTED—By working foreman, thoroughly competent in all branches. Best of references. Address, X. A., care The Florists' Exchange.

SITUATION WANTED—By florist, single, age 21, three years' experience as Rose Grower; honest and sober and working for employers' interest. Commercial or private place. Please state full particulars in first letter. Address, X. C., care The Florists' Exchange.

SITUATION WANTED—By thoroughly experienced florist as grower or foreman; especially good in Roses, potted plants, bulb designing, propagating. Age 29, single, American; excellent references. Reasonable wages expected. Address, R. Klag, Gen. Del., St. Louis, Mo.

THE EXCHANGE—Best Advertising Medium

SITUATIONS WANTED

SITUATION WANTED—By competent grower, German, single, 20 years' experience in all branches. Can take charge. Address, X. D., care The Florists' Exchange.

HELP WANTED

WANTED—Farm manager, who has some knowledge of nursery and greenhouse work. A good place to the right man. State experience and name references. F. E. W., P. O. Box 330, Richmond, Virginia.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

CARNATION GROWERS

Wanted, to work as section men in houses, 300x40, on large modern greenhouse establishment, located in the country near Boston. Also one man who is acquainted with Sweet Peas and 'Mums. Men must be married, experienced, steady, temperate, and good willing workers. None other need apply. State age, nationality, experience and give references when writing. Wages $50.00 a month, the year round, with 5 room house on the establishment. Address, V. A., care The Florists' Exchange.

Wanted Foreman

To take charge of 100,000 ft. of glass; must be up in Rose, Carnation and 'Mum growing; also first-class plantsman, with full knowledge of growing all varieties of bulbous stock, Ferns, Flowering plants, etc. Capable of handling men. Salary $100.00 per month. None but first-class man need apply. Reference required.

Address, X. L., care The Florists' Exchange.

WANTED—Man with experience to help in greenhouses, growing commercial stock. State wages and references in first letter. Address, U. A., care The Florists' Exchange.

WANTED—Reliable nursery foreman, familiar with Evergreens and capable of handling men to good advantage. Please state age and salary expected and give reference. T. E. Steele, Pamona Nurseries, Palmyra, N. J.

Rose Grower Wanted

Married man with experience as 2nd foreman on new plan of 40,000 ft. of glass. Must be well recommended. State age, experience, etc. Good wages and comfortable modern house for the right man.

JOSEPH HEACOCK CO., Wyncote, Pa.

WANTED—Good grower of Roses, Carnations, 'Mums, and general stock; must be sober, reliable willing worker and single. English or American; Protestant. Good wages to man of ability. Send copy of references. Address, X. E., care The Florists' Exchange.

WANTED—By August 1st, an assistant on private estate. Must be thoroughly experienced in Carnations, Roses, Chrysanthemums and Vegetables under glass and outdoors. Man from commercial place given preference, Scandinavian or German. Must be strictly sober. Wages $45.00 per month and board. Apply by mail with reference to Superintendent, "Beechwood," Scarborough on Hudson, N. Y.

WANTED—Man with some greenhouse experience as an assistant in Rose houses. References required. Apply or address with particulars, Righter & Barton, Madison, N. J.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS, Golden Glow, Virginia Poehlmann, J. Nonin, strong rooted cuttings, $ 1.00 per 100. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS

We have the following varieties ready for immediate delivery, from 2½-in. pots, from 100 to 1000: Dr. Enguehard, Robt Halliday, Comoleta, L'Africaine, Monrovia, Vivland Morel, Early Snow, Roslere, Mrs. Combes, Intensity, Clementine Touset, White Bonnaffon, Gloria, Crocus, Pink Ivory, Beatrice May, Nagoya, Mrs. Robinson, Cremo, Virginia Poehlmann, Golden Wedding, Helen Frick, Jeanne Nonin, Mrs. Kelley, October Frost, Lynwood Hall. Price, $2.50 per 100. Elmer D. Smith & Co., Adrian, Mich.

When making order please state if we may substitute in case we are sold out of varieties selected.

CHRYSANTHEMUMS

Good stock, 2½-in. pots, at $20 00 per 1000.

Appleton, Polly Rose and Early Snow.

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

Please mention the Exchange when writing.

STOCK FOR SALE

ROSES

SURPLUS STOCK ROSE PLANTS
Grown for our own use:
800 Brides
1500 Richmond
500 My Maryland
500 Enchantor
500 Ivory
1500 Golden Gate.
Strong stock, out of 3-in. pots.
Gude Bros. Co., 1214 F. st., N. W. Washington, D. C.

RICHMOND ROSE PLANTS.

1300, from 3½-in. pots; own root, strong and healthy, at 6c. each. Address, Stockton & Howe, Princeton, N. J.

ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate and Kaiserin, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

BENCH ROSES

Killarneys, Chatenays, Bridesmaids, $8.00 per 100. Strong **Killarney, Chatenay and Beauties,** 4-in., $8.00 per 100.

Rose Hill Nursery, New Rochelle, N. Y

VEGETABLE PLANTS

CELERY PLANTS, stocky well rooted plants; White Plume, Golden Heart, Self-Blanching and Giant Pascal, 20c. per 100, $1.00 per 1000. Snowball Cauliflower Plants, in 1000 lots, $1.75. Wm. C. Lester, Plainville, Conn.

VEGETABLE PLANTS

Millions of fine large stocky Cabbage Plants of early or late varieties, including all the best standard sorts: $1.25 per 1,000, $5.00 per 5,000. Try them. Also Pepper, Brussels Sprouts, Kale, Celery Plants, etc. Alonzo J. Bryan, Washington, New Jersey.

POTTED STRAWBERRY PLANTS now ready. Write for list of varieties and prices.
The Elizabeth Nursery Co., Elizabeth, N. J.

CELERY PLANTS—White Plume, Winter Queen, New Rose, etc., extra strong transplanted, $2.00 per 1000. This strain will give you exhibition stalks; 500 for $1.25. R. Monaghan, Abington, Pa.

MISCELLANEOUS

STOCK FOR SALE—Poinsettia, 10,000 strong plants, 2½-in. pots, $5.00 per 100, $45.00 per 1000. Cash please. Keller Floral Co., Troy Rd., Albany, N. Y.

SMILAX, strong 2-in. pot bound, 2 cents, 3-in., 3 cents. Sprengeri, 2¼ and 2½-in., pot bound, 2½ and 3 cents. Stafford Floral Co., Stafford Springs, Conn.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

AMERICAN BEAUTIES—From 4-in. pots, at 8c. each; Rhea Reid, from 4-in. pots, at 5c. each; Verschaffeltii and Golden Bedder Coleus, from 2¼-in. pots, at $1.00 per 100. Mme. Sallerol, from 2¼-in. pots, at $1.00 per 100. Smilax, from 2¼-in. pots, at $1.50 per 100. Extra fine stock. Satisfaction guaranteed.
Brant Bros., Inc., Utica, N. Y.

BEGONIA Lorraine and Agatha—3½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

GOOD PLANT STOCK.
5000 American Beauties, at 12 cents each.
2000 Maids, at 6 cents each.
300 Gardenias (extra fine), at 25 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

STEVIA—Well rooted, 75c. per 100. Polly Rose and Glory of Pacific Chrysanthemums, at 75 cents. Smilax, 2-in., at $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

HYDRANGEA OTAKSA—Strong rooted cuttings, ready for 3-in. pots, $2.00 per 100; $17.50 per 1000. These will make fine plants for Memorial Day, 1911. F. J. Langenbach, Florist, Norwich, Conn.

MARIE LOUISE VIOLET—Plants, 2½-in., $2.50 per 100, $20.00 per 1000; from benches, $2.00 per 100, $15.00 per 1000. Cash with order please. F. M. White, 74 Warrall ave., Poughkeepsie, N. Y.

ASPARAGUS SPRENGERI

2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—Chrysanthemums: Yellow Bonnaffon, Estelle, Dr. Enguehard, Genne Jones and Jeanne Nonin, $2.25 per 100, $20.00 per 1000; 2½-in. pots, strong healthy stock; also Smilax, 2½-in. pots, $18.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

F. E.—Best Advertising Medium

STOCK FOR SALE

STOCK FOR SALE—Asparague Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $16.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhousee, Pine Brook, N. J.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; **Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tuesimense,** and **Cyrtomium Falcatum.**

KESSLER BROS.
450 Sixth Avenue, NEW YORK

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

Wanted

Daily Shipments of Cut Roses—Beauties, Kaiserins, Brides, Bridesmaids, etc.—also, assortment of outdoor stock. An excellent market for good, clean stock. Top prices and prompt returns.

Greater New York Florists' Ass'n, Inc.
162 Livingston St., BROOKLYN, N. Y.

SUNDRIES FOR SALE

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 75 ft. high; tank capacity, 5,000 gallons. Also a 2½ h.p. Mertz & Weisse kesosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glaes. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—200 boxes of glass, 16x18 and 16x24; 15,000 feet of 2-in. wrought pipe; three No. 17, two No. 16 Hitchings boilers and 2 sectional boilers. 1000 feet of ventilating apparatus and sash; also all kinds of other material. Complete greenhouses, 300 boxes glass, 10x12 and 10x14; August delivery; everything cheap. Suessermann, 229 Livingston st., or P. O. Box 293, Newark, N. J.

FOR SALE

60—Erie City "Economic"

Return Flue Boiler; will heat 6000 ft. glass.

WERICK BROS. CO.
BUFFALO, N. Y.

Please mention the Exchange when writing.

FOR SALE—Magee second-hand hot water boiler, used only a few months; capacity 600 square feet radiation, 800 feet of 2-in. pipe. This is a rare chance: The boiler is in the way and will let it go for $29.00 f.o.b. cars N. Y. City. A high-class effective boiler; building destroyed by fire and larger service will be required for new house. R. C. Vernes, 175 Senator st., Brooklyn, N. Y.

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($35.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass at $1.25 each, 20c. extra per box.

ROBT. A. ELLIOTT, Morristown, N. J.

Please mention the Exchange when writing.

Use our columns when having extra stock to dispose of.

FOR SALE OR RENT

TO LET—Two acre farm with 10-room house; several hot houses on the place or suitable for chicken farm; 100 feet from trolley at Secaucus, N. J. Inquire Mrs. Thomas, 152 Congress st., Jersey City Heights, N. J.

GREENHOUSE FOR SALE—In town of 12,000 population, doing good business. 26,000 square feet under glass, plenty of ground. Good buildings. Can be bought cheap. For particulars address A. C. Stemmons, Carthage, Mo.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Three Greenhouses, 12 miles from Boston, good home trade, 9 room house, all improvements; 3 minutes to steam and electrics. Will sacrifice for quick sale. James H. Delay, 71 Beacon st., Boston, Mass.

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. E., care The Florists' Exchange

FOR SALE OR RENT—Greenhouses situated near city limits, Harrisburg, Pa. Electric line passes door and easy access to four railroads. 20,000 feet of glass with southern exposure. Inspection invited. A good proposition for right party if taken now. GEO. E. ETTER, 213 Walnut Street, Harrisburg, Pa.

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, retail greenhouses. Reasonable price. State full particulars. Address, "Retailer," care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

LEGAL NOTICE

The annual meeting of the Stockholders of the New York Market Florists' Association will be held at the office of the Corporation in the City of New York, Room 804, 267 Broadway, on July 18, 1910, at 12 o'clock noon, for the election of directors and such other business that may properly come before the board.

FRED. A. STEINHOFF, Secretary.

Please mention the Exchange when writing.

LEGAL NOTICES

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the Stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the twenty-first day of July, 1910, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

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

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directore the Transfer Books of the above Corporation will be closed on and after July 11, 1910, at 12 o'clock noon, to July 22, 1910, at 12 o'clock noon.

DAVID TOUZEAU, Treasurer. A. T. DE LA MARE, President.

FOR SALE

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FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

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Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

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5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

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The Week's Work

BY

FRITZ BAHR

Snapdragons

Profitable for Many of Us to Grow Indoors.

"Snapdragons" doesn't sound quite so professional as "Antirrhinums," but it is the same thing, and quite a few dollars are made by growing a good batch for cut flower purposes during the Winter months. No matter how grand your Roses may be, or how fine the Carnations as to stem and size of flower, a customer having purchased them from October up to February gets tired of them to a degree and a bunch of well-grown Snapdragons forms a pleasant change. Besides being most decorative they are also excellent keepers. Their culture is most simple and the more of them the public sees the more will be sold. Being short on small stock grown from cuttings last year, we sowed out a little seed about July 15, and whether it was due to good luck or neglecting the others, the ones grown from seed gave us the finest flowers as well as the most. I only mention this in order to encourage anyone who hasn't stock on hand at this writing to get busy sowing out some seed. The only drawback about seedlings is the colors; but for the smaller grower, the one who uses the flowers he grows for his own retail trade, it doesn't matter so very much. As with Gladioli, and in fact any other florists' flower, you want light shades, especially white, light pink and yellow. Get a small package of each, and keep the plants growing in pots until the Chrysanthemums give you room to plant them out.

Freesias

Get Ready for the First Planting.

We are hardly finished with the bedding out for a Summer display when the expressman greets us with a neat package containing a few thousand Freesia bulbs. Don't let them lie around; they should be planted at once. Get them into the soil. We found that it paid to have Freesias quite early, and again quite late. By quite early I mean around December 15. Well grown Freesias at that time bring good figures, while one month later we usually notice a tumble in the price, and with the exception of a demand for design work the flowers move slowly. Yet every retail grower should always have a good supply on hand. The price of the bulbs is so low and the flowers can be used for so many purposes that we can't afford to be without them. For the man who only uses a few thousand bulbs I would recommend for early flowering the use of bulb pans instead of planting the bulbs out on a bench. We use 6" to 8" pans, allowing about two inches between the bulbs. Ordinary potting soil is all that is required, providing good drainage. The pans are filled three quarters full of soil and the little bulbs are then gently pressed into the soil, about half way, after which the pans are filled up to the rim, or nearly so, with soil. A cold frame will answer nicely for the freshly potted bulbs, and with proper care in watering and the use of shade frames, growth will slowly begin under conditions far more suitable than a greenhouse bench offers in July.

Pansies

Sow Now for Plants Intended for Winter Blooming

The time to think about what to plant in the empty Chrysanthemum benches next November is now here. With many this is put off until too late. Among the different crops to follow Chrysanthemums we have the Lilies, Sweet Peas, Snapdragons, Stocks, Mignonette, and last, but not least, the Pansies. I doubt whether it would pay to grow them on a large scale, at any rate for the present. However, for the retail florist good Pansies in Winter are of as much value as any other flower he handles. Many of us only have a chance to see Pansies at their best while under glass; this especially holds good with that grand variety Mme. Perrett. There isn't any other sort, whether Cassier, Odier or Trimardeau which can compare with it in size, coloring or stem, when grown indoors during the Winter months, and there is no trouble in making sales at good prices. Sow seeds now in a cold frame; in drills about four inches apart is better than broadcast, for you can cultivate and keep the little seedlings clean better in that way. Don't cover the seeds too heavily, and keep the surface moist at all times until the seedlings are up. Shade? No! The minute you do that you weaken the little plants. Use good rich soil, plenty of water, and the cultivator, and the plants will do the rest.

Callas

Starting the Dormant Stock Again.

While at the annual house cleaning, which usually takes place with us about the middle of July, we came across the Calla pots which have taken a rest for some time below the benches, and while yet a little early it isn't by any means too soon to start the tubers up again for another season. Shake them out and replant into 5" or 6" pots. As with the Freesias, be sure that proper drainage is provided in every pot. This is far more important than just what kind of soil you make use of. By that isn't meant that any old soil will do, but Callas love plenty of water, heat and food, when pot bound. One can apply the food during the Winter months, as needed; all that is necessary for the present is to get the plants nicely started. Place the pots where your Freesias are for the present; as soon as they begin to grow you can bring them to the greenhouse. Callas always have been most useful flowers for the retail florist, and especially so on account of their keeping qualities. With proper care the cut blooms can be kept for days, and for funeral work there is hardly another flower that can take its place with many small growers throughout the country, no matter how many Lilies we may have to select from.

Perennials

Time to Sow Out for a Good Supply.

We have just completed the sowing out of some Dianthus barbatus (Sweet William), Dianthus plumarius (Pheasant's Eye Pink), Shasta Daisies, Coreopsis grandiflora, Gaillardia, Hardy Lupinus, Hollyhocks, Digitalis, Oriental Poppies and Larkspur. Any of these hardy plants will come up, from seed sown now, in a few days. Like the Pansies, they are sown in drills, about four inches apart, in a cold frame, with the exception of the Hollyhocks. We have learned from experience that to sow Hollyhocks right out in the nursery row is the proper thing to do; they thrive much better there than when nursed along and petted in the cold frame, where we have always trouble with disease or rust on them before the Winter sets in. If any care is given at all, seeds sown now of biennials or perennials will make strong stock before the Summer is over. The Shasta Daisies and Coreopsis sown out a year ago are now large plants in full bloom—they are the best we ever had—and while everything else in the nursery and field shows the effects of unfavorable weather conditions, such as have almost ruined the Sweet Peas, these two have stood the dry hot spell and are furnishing us the finest of cut flowers and will for some time to come.

ROSE PLANTS Fine Stock

	Per 100
300 **Bride**, 3-in. pots, grafted	$12.00
300 **Bridesmaid**, 3-in. pots, grafted	12.00
800 **Chatenay**, 3½-in. pots, own root	$10.00

Cash with order.

ROBERT SIMPSON, - - Clifton, N. J.

Please mention the Exchange when writing.

Surplus Rose Plants

250 **Richmond**, 3-in., $4.50 per 100.
250 **Bridesmaid**, 3-in., $3.50 per 100.
3000 **Killarney**, $50.00 per 1000.

Fine Stock.

Cash with order unless known.

L. B. CODDINGTON, Murray Hill, N. J.

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EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

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New Green GALAX LEAVES

1910 Crop. Ready to ship by express. **Quality** A No. 1. I wish to say to the trade that handle Galax Leaves that I am better equipped this year than ever before to take care of your orders. I have had ten years' successful experience in this business, and I cordially invite all to try my stock. I pack them 10,000 to the case, in nice light cases, well papered and mossed so as to keep them from perishing while in transit.

Prices are net, f.o.b. Mt. Airy, N. C.:

	Per case
Large green size, 4 to 5 in.	$4.00
Medium to Large size, 3 to 4 in.	3.50
Small to Medium size, 2½ to 3 in.	3.00

Cash with order from unknown parties.

Bronze Leaves in November. Buy the right quality and you can sell the same.

Sample Orders Solicited.

G. A. HOLDER

ROUND PEAK, N. C.

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The Ribbons you need in the Summer time, are the Ribbons woven in The Pine Tree Silk Mills

Taffetas, Satin Taffetas and Messalines

Buy direct and save money, and get the right Ribbons and the right shades.

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New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.

CROWL FERN CO

Telegraph office; New Salem, Mass. L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel. Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. SMILAX, 50 lb. cases, $6 00. PINE, 7c. per lb.

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

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WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

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Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

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JOHN G. ESLER, Saddle River, N. J.

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E. A. BEAVEN
EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
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Prices Advertised in these Columns are for THE TRADE ONLY



Florists' Club of Washington, D. C.

The Club held its July meeting on July 5, at Gude's store, 1214 F. st., with a good attendance and President Robertson presiding. During the course of the business session the host, Mr. Gude, alluded to a social hour, but to those not so fully cognizant of what was later to transpire, it "looked like a big night," and final results were fully convincing.

With a view to uniting with the Florists Club of Baltimore in securing transportation to the S. A. F. annual convention at Rochester, in August, a committee consisting of Geo. H Cooke, Geo. C. Shaffer and Wm. H. Ernest was appointed to take up the matter and make final arrangements with the Baltimore florists and the railroads. A committee consisting of Secretary O. A. C. Oehmler, Otto Bauer, Geo. Shaffer, and W. W. Kimmel was also appointed to perfect final arrangements for the Club's annual outing, with full power to act in the selection of the place, sports, prizes, etc. The popular idea seems to prevail, as in the past, to have the outing assume the form of a basket picnic, where each family provides for itself in the matter of substantials, similar to last year; and the great Falls of the Potomac having proved so enjoyable in the past there is little doubt as to its acceptability upon the forthcoming occasion. The date will be made known by mail and through the trade papers.

Upon adjournment the host, Wm. F. Gude, led his guests downstairs to a room tastefully decorated with large American flags, Palms and flowers, where a table full of good things to eat had been provided, and where, until a very late hour (an early hour might be more correct) the so-called "social hour" was spent in mirth, jest, story telling and song, and the spirit of general good fellowship prevailed. Among those present who today sing songs of praise to the genial host and the admirable provision made for them were, Adolph Gude, Geo. H. Cooke, Geo. C. Dolglish, Wm. H. Ernest, Geo. C. Shaffer, Jno. M. Allen, Otto Bauer, Harry Leh, Theo. Deitrich, E. C. Mayberry, J. G. Schattmyer, William Marche, W. A. Bolinger, John Robertson, Jr., John Robertson, Sr., O. A. C. Oehmler, W. W. Kimmel, John J. Bickings and Edward S. Schmid. JAS. L. CARBERY.

Newport (R. I.) Horticultural Soc.

At a meeting of this Society held on Tuesday evening, July 12, there was a good attendance of members and others to see the fine display of Sweet Peas then made. The date of the June exhibition proved to be too early for the general run of Sweet Peas, and it was decided to give growers a chance by having a Sweet Pea night. The first place for six vases of not less than three varieties was won by Paul Volquardson, gdr. for Mrs. Weld; second, John Baumgartner, gdr. for Col. D. B. Fearing; third, Samuel Langford, gdr. for the Misses Mason. Gratuities of $3 each were awarded to President James Robertson, Stewart Ritchie and Gibson Bros., for collections of Sweet Peas; and a gratuity of $2 for same to Alex. MacLellan, and to E. Johnson for a vase of Sweet Peas, a gratuity of $1.

Wm. J. Matson and Colin Robertson each exhibited seedling Dahlias, which the judges asked to have brought before them at a later date. Wm. J. Matson showed to fine advantage, flowers of Hydrangea arborescens sterilis grandiflora alba, and was awarded a gratuity of $2. James Hooper, gdr. for Mrs. Theodore Kane Gibbs, showed flowers of Romneya Coulteri, Gaura Lindheimii and of Rose La France, and was given honorable mention. The Spencer types of Sweet Peas were certainly very fine; among some of the best were the King Edward, Helen Lewis, Audrey Crier, Geo. Herbert, E. J. Deal and Evelyn Byatt. A. Mel.

Buffalo Florists' Club

At the last meeting, held on Tuesday, July 5, it was decided to have the annual picnic at Fort Erie Grove, where they have been making extensive im-

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Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15 00 or more

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CASTORLAND, N. Y.

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For sale by all Supply Houses.

CHAS. AUG. KRICK
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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

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WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

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Wholesale Commission Florists

Dealers in Fancy Ferns

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New Crop Ferns

FANCY and DAGGER

Now ready for shipment.

Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

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CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

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The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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56 Pine Street, NEW YORK

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

provements this year. The committee has decided to have a basket picnic, or in other words a "pay as you go" affair. All there will be to do is to go either to the foot of Main st. and take the steamer Lakeside direct to the beach (boats run hourly) or by the way of the ferry and then by train to the beach. The outing will be held on Wednesday, p.m., July 27. The committee expects to see a good many children on that day so this will be a good chance to see how many florists there are and to be in this section of the country. There will be games as usual, and the usual athletic events, with a ball game thrown in. All games will be held in the New Stadium, which will be at the disposal of the florists on that day. There will be seats for everybody.

It was also decided that the Club should go down in a body to the S. A. F. convention, on one of the days to be decided later by the Club. The bowling club is picking out stars to represent them at the convention, and no doubt will make a good showing.

George McClure, Jr., showed a very good plan of a decorative scheme for a Fall flower show. It has not been decided in a definite way whether the Club will have a show or not. If the proprietors showed as much enthusiasm as the employees the show would be a success. W. H. G.

L. I. Florists' Bowling Club

The Long Island Florists' Bowling Club rolled some good games in its convention team series on Tuesday evening, July 12. The scores were:

Donaldson	149	180	203	178	200
Einsmann	158	158	155	156	186
Kessler	151	149	183	146	146
Siebrecht, Sr.	148	150	176	139	139
Siebrecht, H.	143	179	141	145	131

Baltimore

The Market

Trade conditions are about the same as last week. The hot weather is still hanging on and thousands of people have left for the country and seashore, seeking cooler locations. Our city, in the market sections, is almost deserted and the market florists are sitting idle almost all the time during market hours. Some of our retailers are doing likewise. The commercial growers are doing odd and end jobs making ready for the Fall season. Very little greenhouse building was done this year. Business in the cut flower market has slackened considerably and stock is poor, finding slow sales. The usual seasonable stock is offered.

Club Meeting

The regular meeting of the Gardeners and Florists' Club was held last Monday night at the Club rooms, Florists' Exchange Building, Franklin and St. Paul sts. with George Morrison in the chair. The hot weather kept many away but about fifty members were present. The meeting was an interesting one throughout, and considerable business was transacted. Richard Vincent, Jr., spoke on the Summer outing of the Maryland Horticultural Society to be held at Berlin and Ocean City, Md., July 28 and 29. It is expected a large delegation will take the trip. Those who were at the last meeting assured those present a good time would be had there. Governor Crothers and other prominent people are expected at the meeting. Return postals have been sent out to the members not present inviting them to notify the Club's secretary if they will go. The Washington Club will join the Club at the boat, and a jolly good time will be had. The convention of the S. A. F. in Rochester, August 16 to 19, was talked of, and it is expected a large delegation will go. Railroad representatives were on hand giving rates and information.

J. L. T.

The Summer outing of the Gardeners' Club of Baltimore and the Maryland State Horticultrnal Society has been arranged for by the president of the latter, Mr. Richard Vincent, Jr. The party is to leave Baltimore by boat on July 28 from Pier 4, Light st., at 6:30 a.m., arriving at Claiborne at 9.30 a.m., and traveling thence to Berlin by train, due 12.40 p.m. At Berlin the members will be the guests of J. G. Harrison & Sons, the large Maryland nurserymen, until 8 o'clock of that day. Luncheon will be served at 1 p.m. and supper at 7. At 2 o'clock some speech-making will be indulged in, after which, from 3 to 7 o'clock, the members will be taken through the extensive grounds of the Nurseries. At 8 o'clock the train leaves for Ocean City.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants...$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$6.00 per doz.; $45.00 per 100

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000

Neph. Todeaoides
2¼-in. pots, strong .....$6.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100

Neph. Compacta
2¼-in. pots, strong plants.$15.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 3 plants to pot, 30-34 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $36.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$3.00 per 100; $25.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
4-in. pots, very strong ....$25.00 per 100; $225.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.
7-in. pots .....$9.00 per doz.; $70.00 per 100

ROBERT CRAIG COMPANY, 4900 Market Street, **PHILADELPHIA, PA.**

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CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Golden Glow	2.50
WHITE	
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Golden Glow, Yellow Miller, Mrs. Kaha, Money Maker, President Taft

SINGLES AND POMPONS
Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Field-Grown Carnations
FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Apple Blossom	6.00	50.00
White Perfection	7.00	60.00
Snow Flake	$6.00	$50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	50.00
Ruby	6.00	50.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock, ready for shipment at an early date. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.

Field-Grown Carnations

10,000 **White Enchantress,** 10,000 **White Perfection,** 8,000 **R. P. Enchantress,** 7,000 **Enchantress,** 4,000 **Victory,** 12,000 **Winona,** 5,000 **Lawson Enchantress,** 2,500 **Winsor,** 300 **Beacon.** Limestone land; no stem rot

$6.00 per 100, $50.00 per 1000.
250 at 1000 rates. Cash.

Wells-Fargo, U. S., and American Express.

W. SABRANSKY, Kenton, Ohio.

CARNATIONS

	100
2000 Field Plants	$4.00
2000 Rose Enchantress	4.00
1000 Beacon	4.00
500 Patten	4.00

QUIDNICK GREENHOUSES, J. H. Cushing Prop.
QUIDNICK (Anthony P. O.) R. I.

CARNATION PLANTS

Field Grown.

Fair Maid, Winsor, Sensation, Queen Louise, first-class plants, ready any time, $5.00 per 100, $40.00 per 1000.

Cash with order, please.

E. L. RILEY, R. F. D. No 2, TRENTON, N. J.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

CHRYSANTHEMUMS ROOTED CUTTINGS

White: Baby Margaret, Touset, A. Byron, Ivory, Desjouls.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Rosette.
Yellow: Golden Glow (very early), M. Bonnaffon, Cremo, Robt. Halliday, Yellow Jones. Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

Chrysanthemums—Stevias

2000 **Bonnaffon** left; good plants.
STEVIA, Green and Variegated, out of 2½-in. pots, at $20.00 per 1000.

CHARLES ZIMMER
West Collingswood, N. J.

Please mention the Exchange when writing.

FLORISTS' MUMS

For further particulars see Stock for Sale colums, page 94

Elmer D. Smith & Co.
ADRIAN, MICH.

Please mention the Exchange when writing.

FIELD-GROWN

Carnation Plants

Victory, Pink Enchantress and **White Queen.** Ready after July 15th. Strong, well-branched plants, $5 00 per 100.

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

ALVINA (The Best Dark Pink)

Ready now or will hold until you are ready.
Plants now with 10-20 shoots ..... $10 00 per 100.
Plants now with 5-10 shoots ..... 7 50 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.
JOLIET, ILL.

Among the Growers

MADISON, N. J.

It is hardly necessary to state that Madison, N. J., 27 miles from New York City, is one of the great Rose growing centers. Every grower there with a large range of glass grows Roses, and many grow Roses exclusively. To one at all interested in Rose growing the ranges at Madison are suggestive and instructive.

Charles H. Totty

Mr. Totty's establishment consists of five houses, 30,000 ft. of glass near his own residence and seventeen houses, 70,000 ft. of glass, known as the "Florham Farm Greenhouses."

Mr. Totty is a noted Chrysanthemum specialist. He now has arranged so that he is able to send out to growers the Wells-Pockett varieties, brought out by W. Wells & Co. of England, and Thomas W. Pockett of Australia, the same year in which they are sent out from England. Previously he had been a year behind, but this arrangement enables the American exhibitor to get his varieties at the same time as the European exhibitor, giving a simultaneous distribution throughout the world. Besides testing out the Wells-Pockett varieties here previous to distribution, Mr. Totty is testing out some American varieties also.

Among the Wells-Pockett varieties for 1910 may be mentioned Mrs. David Syme Mrs. W. A. Read, Mrs. R. Luxford, Howard Gould, Miss Alice Finch, Rose Ellis, Miss Edith King, Kara Dow, W. Wood Mason, and Alice Lemon. Among the new American varieties are Mrs. A. R. Peacock, Mrs. William Arnold, and Mrs. William Wincott. Mr. Totty has also Elmer D. Smith & Co.'s 1910 novelties, Donatello, Oroba, Tonkawa, the exhibition varieties Naomiah, Randee, Adonis, and the single varieties Arlee and Itaska and the Pompon Clorinda.

In the Florham Farm range seven houses are used for growing 'Mums. In one house are noted 8000 'Mums, of which one-half are exhibition novelties for 1910 and half for 1911. Two other houses are used for the same purpose. Four houses are used for growing commercial varieties with a view to producing blooms from early to late throughout the whole 'Mum season. All of the novelties and commercial 'Mums are in thrifty condition.

Next to 'Mums at this establishment come Carnations, of which 150,000 plants are growing now in the field. Among these are the novelties of 1910, such as Alma Ward, Mrs. C. W. Ward, Mary Tolman, Sangamo, and Conquest; also the novelties for 1911, and the standard kinds. Many of these plants will soon be planted in Mr. Totty's houses, and the remainder of the 1910 novelties and standard sorts offered for sale.

Next to Carnations come Roses, among which may be mentioned, Killarney, My Maryland, Bride, Bridesmaid, Richmond, a large stock of American Beauty, and other standard varieties and newer varieties and novelties. Fifty thousand grafted Roses were sold this season. One hundred thousand Manetti stocks have been already ordered for next season, and more orders will follow in the hope of being able next season to supply the increasing demand. Such young Roses as are still unsold are in fine condition. Seven houses are used for Roses.

The houses at the Florham range which have formerly been used for Nectarines, Figs, Grapes and Orchids are being thoroughly remodeled, and arranged for the growing of Carnation novelties, largely. The grapery in which there is a fine show of Muscats which will be ripe in about two weeks, will hereafter be used for growing 'Mums and Sweet Peas in succession. One house of Orchids in good condition, mostly Trianæ, with some Mossiæ will be sold, and the house used for Carnations. This whole range, in fact, is being remodeled where necessary, and put in thorough order, and system introduced. Among these improvements may be mentioned the reconstruction of the three large propagating houses, and the building of an extensive grafting case. Four boilers are used to supply steam heat for this range, with the aid of a Holly Circulator, which proves a fuel saver.

The five houses at Mr. Totty's own place are planted to Richmond and My Maryland Roses, and are in nice condition. Mr. Totty's motto is "quality stock," and no pains are spared to deliver, in every case, such stock to the buyer. Plants have this season been shipped to many distant parts of the world, including Japan. Mr. Totty was found at his desk pluckily trying to attend to some business matters, notwithstanding his recent injuries in an automobile accident, from which his many friends rejoice that he escaped with no more serious result. Both to him and to his general manager, William E. Tricker, the representative of the EXCHANGE is indebted for information given and courtesies received.

Madison Cut Flower Co.

The greenhouse range of this company consists of six houses, with about 40,000 ft. of glass, heated with both hot water and steam, and furnished with raised wooden benches.

This range was erected five years ago, is in excellent repair and is devoted to growing American Beauty, Bride and Bridesmaid Roses. The place shows excellent care and the young plants are in first-class condition. The last house of the range is now being filled. The cut of flowers is consigned to P. J. Smith, 49 West 28th st., New York City.

In the absence of W. H. Barton, the secretary and treasurer, the EXCHANGE representative is indebted, for courtesies shown, to the foreman, James Trethewey. Mr. Trethewey is a Cornishman and has been with the company since the greenhouses were erected. He will make a visit to Cornwall on business and for pleasure next month.

Righter & Barton

The seven greenhouses of this establishment, with about 22,000 ft. of glass, have a fine elevated situation, amid nicely kept grounds, and the houses themselves are in good repair and plants therein show good culture. The houses are furnished with hot water heat, and with raised wooden benches. American Beauty, Bride and Bridesmaid Roses are grown. Five houses are already planted to young stock, and the other houses will soon be filled. Flowers now are only being cut from two benches. This firm consigns to P. J. Smith, New York, and to the Greater New York Florists' Association, 162 Livingston st., Brooklyn, N. Y.

Mr. Righter died one year ago last February, and W. H. Barton is now the proprietor and is also secretary and treasurer of the Madison Cut Flower Co.



Rose, Mrs. Aaron Ward

Robert M. Schultz

The five houses of this greenhouse range are heated both by hot water and steam, and furnished with raised wooden benches. There is about 25,000 ft. of glass. Thomas Conroy, who has been with Mr. Schultz about three years, is foreman.

A specialty is made of Richmond Roses, for which four houses are used, the remaining one being used for Bridesmaid. Two of the Richmond houses are now being filled with young plants, and in two houses the plants will be carried over another year. One house is being remodeled. It is observed that the house of Bridesmaid is entirely free from mildew, and 12,000 young Richmonds in 4-in. pots, of which 6000 are for sale, were in the pink of condition. While this is an old range, the stock shows good culture. Own root Roses only are used.

The method of carrying over old stock, though not novel may be interesting to some. The benches are allowed to dry off for about two weeks, the foliage meantime being kept fresh by several syringings, if necessary, each day, then the upper half of the soil is scraped off, disturbing the roots as little as possible, and a coat of bone meal is sprinkled on, and the bench is filled up with one-half cow manure, one-half sod, well mixed, and the plants are at once started up.

The cut of blooms from this range goes to Henshaw & Fenrich, 51 West 28th st., New York City.

A. H. & W. S. Schultz

A. H. & W. S. Schultz, brothers of Robert M. Schultz, have a range of ten greenhouses, with about 50,000 ft. of glass. Two of these houses were built two years ago. One-half of the range is heated with steam, and the other with hot water. Raised wooden benches are used.

Sweet Peas are grown in one house, and the rest of this range is devoted to Roses. Two houses are used for Killarney, two for Richmond, one for My Maryland and the remaining houses for Bride and Bridesmaid. In about one-third of the Rose houses the plants are being run over another year, while in the rest new stock is being set. My Maryland, so far, is gaining favor. Only own root Roses are used in this range.

The cut of flowers is shipped to Henshaw & Fenrich, New York City.

(The Story of the growers of Madison, N. J., will be concluded in a later issue)

Rose Mrs. Aaron Ward

This is a Hybrid Tea which has been a special favorite during the past Winter in Boston and vicinity. Some retail stores have given an entire window for weeks to display this newcomer; this is especially true of Zinn on Park st. and Wax Brothers on Tremont st., both of whom sold it in large quantities. We predict a great future for this Rose; its pleasing color and glossy healthy shining foliage attract all who see it.

W. H. Elliott of Brighton, Mass., was the first grower of this Rose for the Boston market. He obtained his stock from E. G. Hill Co. of Richmond, Ind. The French firm of Pernet-Ducher sent it out in 1907 and, shortly afterward, it reached this country. Mr. Elliott had only a few plants to begin with, but when they flowered he at once saw that the new arrival was sure to be a good seller, therefore he increased his stock as quickly as possible until he had a large house of them this last Winter which proved to be quite profitable.

It is a strong grower and has a vigorous constitution flowering almost continually. It is not as easily propagated as some other Roses and, at one time during the Winter, Mr. Elliott told the writer that he was afraid he would be unable to get all the stock he required for this Summer's planting, meaning by this that it would be planted in larger quantities than it was a year ago.

We have learned that Alexander Montgomery, of the Wahan Rose Conservatories, is planting a house of it this Summer, giving us decided proof that all the Rose experts are going to have some of this new Rose for next Winter. We have also learned from several other growers that they are to grow it in small quantities.

The flowers are of medium size and, the color is Indian yellow suffused with a light shade of rose. The foliage is especially striking on account of its bronzy or coppery color, while its thick leathery texture makes it almost free from the attacks of mildew. It is a good shipper with excellent keeping qualities and we feel quite safe in saying that when this Rose is better known people of refinement and good taste will buy it in preference to the larger flowering kinds.

To William H. Elliott of Brighton should be given due credit for introducing this Rose to the trade in Boston.

R. C.

Alternating Roses and Geraniums

I have a small house planted to the following Roses: Gen. McArthur, Mme. Abel Chatenay and Kaiserin Augusta Victoria. They were planted from 4" pots in May last. I expect to let them grow on until about the last of December, then harden them off and I would like to use this house from March until about May 20 for Geraniums. I would like to know if it would do to take up the Roses the last of February and to plant them back again the last of May? Would they give me as many flowers that way as they would if not disturbed? I want them for Summer blooming, for make-up work. If I take them up how shall I care for them afterward?—Beginner, New York.

—The Roses mentioned may be dug up from the benches and stored in a dry cellar away from frost, or in a cold frame where no water collects in the bottom, covered with mats, litter, leaves, or shutters to keep away frost. Set the plants close together and sift some of the soil that they were grown in, or any dry loam, in between to cover the loose roots. Keep dry, but do not let the wood shrivel. Give air when possible; do not let the strong sun on them if in frames. Cut off a little of the tops when storing them, if more convenient. You would save time in Summer flowering and perhaps get better results by potting these plants about a month or six weeks before you are ready to plant again on the benches, if you could spare one bench in a cool house. Pot, prune and start cool and you would have a plant ready to go ahead if you planted right after Memorial Day.

Kaiserin does better where it can remain undisturbed and this seems to be true of most Roses; but where space is limited good results are obtained by having the plants ready in 6 in. pots after the fill in crop is off. It is advisable in potting Roses into 6 in. pots to use plenty of crocks, or cinders from the ash pile, in the bottom of the pots, then the roots are kept from going down so deeply; and when the plants are transferred to a bench 5 in. or 6 in. deep the balls do not stick up above the general level of the soil.

E. HOLMES.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $6.00 per 100.

DRACÆNA Indivisa, 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $6.00 per 100.

ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 26c. per bunch.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.60 per 100; pot plants, 2-in., $2.60; 3-in., $6.00 per 100.

FERNS, Whitmani, 4-in., 26c. each.

COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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THE AMERICAN CARNATION

Please mention the Exchange when writing.

FIELD PLANTS

STEVIA Compacta, $10.00 per 100.

VIOLETS, Prince of Wales, $7.00 per 100.

CARNATIONS, Enchantress, Beacon, Rose Enchantress, White Perfection, $6.00 per 100.

Rooted Chrysanthemum Cuttings Still

WHITE.

October Frost, Nonin, Virginia Poehlmann, Wanamaker, Burton, Chadwick.

YELLOW.

Monrovia, Golden Glow, Appleton, Golden Eagle.

PINK.

Rosiere, Dr. Engnehard, Bailey.

All at $2.00 per 100 except Virginia Poehlmann and Golden Eagle, which are $3.00 and $4.00, respectively.

Pot plants of above sold out; only strong rooted cuttings can be furnished, and those up to August 16.

I. M. RAYNER

Greenport, L. I., N. Y.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation Shasta.

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

San Francisco

The Market

Business for the past week was reported very good considering the time of the year; and, taken all round, trade was satisfactory to all concerned. There is a remarkable scarcity of flowers of any quality. True, we have quite a selection in the way of outdoor flowers, which keep the stores from looking bare, but in the way of choice flowers we have very little.

Carnations are poor, and also very scarce, and prices vary according to the quality of the blooms. One grower from San Mateo County is shipping some fine blooms which bring good prices, but outside of this we have little in the way of Carnations to talk about. Roses have shown a slight improvement since last week, and some very fine Brunners have been marketed in the last few days. Most of the blooms of this variety seem to come from the Oakland side of the bay and I think it would be a good plan if our local growers would go in for it a little more, as there is, undoubtedly, good money in it for those who can grow it properly. American Beauty is not very plentiful, although good prices prevail for this variety in its various grades.

Sweet Peas are plentiful, but the stems are short and the blooms of poorer quality than we have been getting of late. A few Golden Glow Chrysanthemums are also to be seen in the store windows. Lily of the Valley is plentiful and of good quality, and there is quite a demand for it in downtown stores. In the Orchid line there is nothing to pick and choose from. One prominent grower in the vicinity of San Mateo, who specializes in Cattleya gigas seems to have the market all to himself, and big prices are the rule in this line of stock at present. A few nice sprays of Phalænopsis amabilis are still to be seen in the stores.

In green goods the supply is greater than the demand. Adiantum is of fine quality, but the market is flooded with it. Asparagus Sprengeri and plumosus are also abundant.

Various Notes

A. Plath of Ocean View has a fine lot of Belladonna Lily bulbs to dispose of this year.

J. P. Parker of Santa Cruz was in town this week, on a short visit.

July 5 was the hottest day of the year for this section; over 100° in the shade was registered in San Francisco and vicinity.

Four new houses are being built on the Lathrop place at Palo Alto, for the cultivation of Roses and Carnations.

The Leadham Bulb Co. of Santa Cruz report having had an enormous demand for bulbs of all descriptions this year; they are busy harvesting their crop of Calla bulbs at present.

A recent visit to the Bothin estate at Ross showed everything in fine shape. One house filled with tuberous Begonias and Gloxinias was a fine sight, and the plants clearly showed the effects of good cultivation. The Orchids were also looking fine.

Golden Gate Park presented a busy spectacle on July 4; thousands of people were to be seen in every section of the grounds, enjoying themselves, and taking advantage of the various means of recreation which are provided for the people in this extensive and beautiful playground.

The annual excursion of the Pacific Coast Horticultural Society will be to Santa Cruz on July 17. The picnic committee has made arrangements with the Southern Pacific Co. to have a sufficient number of private coaches, to accommodate all those who attend, on the train leaving Third and Townsend depot at 8.20 and all growers, nurserymen, florists and their help, whether members of the Society or not, are very cordially invited to attend. The committee will provide, gratis, an excellent lunch for the entire party on the train, while a splendid dinner will be served at Santa Cruz. Arrangements have also been made to have an orchestra discourse music on the train, which should help to keep the members cheerful during the journey. Between three and four hundred dollars have already been subscribed to help to defray the expenses, and it is to be hoped that everyone connected with the horticultural profession in this section will make an effort to attend and make the outing one to be remembered.

The usual monthly meeting of the Pacific Coast Horticultural Society was held in Poleta Hall on July 2. President Mataria reported that all arrangements had been made in connection with the annual flower show, which would be held as usual in the Fairmont Hotel early in October. Frank Pelicano, chairman of the entertainment and picnic committee, reported progress, and mentioned that the coming excursion of the Society was the most ambitious of all the Society's similar ventures. Two new members were elected, and the meeting came to a close at 10.30 p.m.

The Californian Nursery Co., which makes a specialty of Palms and evergreens in tubs, has been doing a fine business in this line lately.

A huge plant, with eight growths, of the white Phalænopsis Schilleriana, is one of the MacRorie-McLaren Co.'s latest acquisitions.

All of the leading retail florists in town have agreed to close their stores on July 17, this being the date set aside for the Society's annual picnic.

In connection with the Native Sons of California's celebration to be held in October, it is interesting to know that the Pacific Coast Horticultural Society has decided to have a float in the parade. The Society has invited its members to send in plans and designs of what they would consider the most appropriate for a float, which would illustrate the aims of the Society. Handsome prizes will be given to those members whose designs are accepted. WM. MCM. B.

Providence, R. I.

Providence is suffering for lack of rain. First the long uninterrupted spell of wet weather; now the other extreme, hot and dry. Business is quiet, with plenty of stock at extremely low prices.

O. H. Williams & Son have discontinued picking Sweet Peas, owing to market conditions.

F. Macrea & Son are cutting at present some extra fine giganteum Lilies. Walter Macrea was in Boston the past week and reports the markets there on a par with that of Providence, with plenty of stock at low prices.

H. C. Nenbrand left on Saturday for a weeks visit to his parents at Webster, N. Y.

The Market

The market last Saturday was as follows: Roses, My Maryland, Bride, Bridesmaid, Killarney, first, $3 to $5; seconds, $1 to $2; thirds, 25c. per 100. Carnations, 50c. per 100. Sweet Peas, 10c. to 25c. per 100. Antirrhinum, $1 to $2 per 100. Lilies, $6 to $8 per 100. Lily of the Valley, $3 to $4 per 100. Adiantum, $1 to $1.25 per 100. Cut Ferns, $1.25 per 1000. Asparagus, 25c. to 50c. per bunch. H. C. N.



We Take the Lead

IN WHAT?

WHAT FOOLISH TALK!

In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 26th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep you eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-6 year old, 3-4-5-6 tiers, 12-15-18-20-26-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.60.

Robusta Compacta and Excelsa Glauca, 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-6-6 year old, 6-7 in. pots, 30-35-40-45 in. high, 76c.-$1.00-$1.25-$1.60-$2.00 to $2.60 each.

KENTIA Belmoreana, 4-5-6 year old, 5½-6-7 in. pots, 25-30-35-40 in. high, 50c.-75c.-$1.00-$1.26-$1.60-$2.00 to $2.60 each.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Schalzeli,** 6½ to 6-in. pots, 35c.-40c.-50c.; **Scottii** and **Whitmani,** 6½ to 6-in., 35c.-40c.-50c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.

RAMBLER ROSES, such as **Crimson, Dorothy Perkins, Lady Gay,** pot grown, 6-7-8 in. pots, 35c.-40c.-50c.

CANNAS, two best red varieties, such as **Richard Wallace** and **J. D. Eisele,** big plants in bud and bloom, 4-in. strong, $7.00 per 100.

SCARLET SAGE, Clara Bedman, 4-in., $7.00 per 100.

LANTANAS, DOUBLE PETUNIAS, AGERATUM (blue), **HELIOTROPE, FUCHSIAS,** in bloom; **White GERANIUMS,** double **La Favorite,** 4-in., $7.00 per 100 (7c.). **BEGONIA Vernon,** red and pink., 4-in. $7.00 per 100 (7c.). **PETUNIAS,** single; **VERBENAS, PHLOX Drummondi, LOBELIA,** blue, dwarf and trailing; **NASTURTIUMS, Empress of India; DUSTY MILLER, COLEUS Golden Bedder** and **Queen Victoria,** 2½-in. pots, $3.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 6-6½ in., in bloom, 16c.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Remedy for Rose Rust on Outdoor Roses

What remedy can you give for Rose rust on outdoor Roses, and how should affected plants be treated?—C. D. W., Mo.

—Cut off and burn affected branches as soon as the disease appears in the Spring before it has a chance to spread. If it was known to exist the previous Fall all the old and fallen leaves should have been collected and burned; spray well in the early Spring before growth commences, and also spray the young growth with a solution of copper sulphate in water.

Another spraying material which does not disfigure the foliage so much as some others do is this: Copper carbonate, 5 oz.; ammonia, 3 pints; water, 45 gals. Make a paste of the copper carbonate with a little water, dilute the ammonia with 7 or 8 qts. of water, add the two together and stir well, adding water at intervals, and keep stirring with a wooden paddle or broad stick until all is dissolved. This is best used as fresh as possible. E. HOLMES.

NEW CASTLE, IND.—Several months ago L. A. Jennings sold to Weiland & Olinger the greenhouses adjoining his home residence of Idlewild. On Tuesday, July 5, Mr. Jennings repurchased of Peter Olinger the entire plant sold by him to Weiland & Olinger for a consideration of $2,000, and will continue in the business of flower growing.



NEW YORK, July 13.—With the thermometer marking 92° in the shade it is hardly necessary to remark that the volume of staple products, especially of Roses and Carnations is smaller, that the quality is poorer, that the demand is lighter, and that prices are down.

Yet it is not to be inferred from these remarks that the condition is abnormal, or that it should have a depressing effect on either grower or wholesaler. The condition of the New York cut flower market this week is simply seasonable.

The supply of American Beauty Roses has shortened up, and so has the demand. As for quality, a dealer must pick over a large number to obtain a few good ones. Specials are selling at as low as 10c. each, while a few choice selections realize 25c. each. They are cleaning up very fairly, not because of a heavy demand but because of a shortened supply. Killarney, My Maryland and Richmond come in freely enough to supply the small demand. The average price obtained for these of all grades is not over 2c. A few top grade blooms realize as high as 5c. each. Few Bride are coming in and still fewer Bridesmaid, and all or nearly all these are of the lower grades, and find almost no buyers. About $1 per 100 is the selling price for the best obtainable. The supply of Kaiserin is short, and cleans up well, as there is a moderate demand for good white Roses, but 5c. each is the top notch price for the very best grade.

Carnations are plentiful, but it is almost impossible to move them at any price. They are selling at as low as $2 per 1000, and very few of the best grade realize $1 per 100.

The supply of Orchids is not abundant, but there are more than enough, and the price remains unchanged, namely 50c. each for best grade, with many sales at one half that price.

Lily of the Valley is scarce, but as the demand is small the price remains at 3c. for the best grade. Exceedingly large consignments of Lilies are coming in, for which there is no adequate demand. The quality is all that could be desired, but they can only be moved by driving the price way down to $10 per 1000, with a few sales in hundred lots of the choicest selections at 3c. each.

The supply of Gladioli is steadily increasing; the quality is fine, and there is a large selection of colors. While it is moving moderately well, still it is not moving briskly enough to use the supply and the prices are down. About 2c. is the average price with some sales at the 3c. mark.

Sweet Peas are plentiful, but keep poorly and sell slowly; ½c. to 2c. per bunch is the prevailing price. There is a small demand for greens and the prices are down. A few early Asters are beginning to come in, of rather inferior quality, and are realizing about $1.50 per 100.

PHILADELPHIA, July 12.—On Monday and Tuesday mornings the market showed the normal Summer activity, which means, of course, a small volume of business. The only new flower appearing this week is Queen of the Market Aster.

The supply of American Beauty Roses has shortened, and a good many flowers are gone over in order to select a few really good blooms. They clean up well not because the demand is at all heavy but rather because the supply is somewhat small. Fancy specials are realizing from 18c. to 25c. each.

The supply of Killarney, My Maryland and Richmond is less plentiful, but the demand is slack also, and the average price is about 4c. each, the very best grade in small sales bringing 8c. Bride is very poor and few Bridesmaid are arriving. A few of the best Bride obtainable sell for 8c., but the prevailing price is around the 3c. mark. Kaiserin is not abundant and the demand uses up the supply, consequently it is moving well at an average of about 5c. each while the best grade brings 8c. each.

There are Carnations enough, such as they are, but the quality is so poor that they move slowly, with most of sales around the $1 per 100 mark, and a few sales of the best obtainable at $2 per 100.

The cut of Orchids has shortened considerably, and yet there is no change in prices as there is enough to meet the demand. Cattleyas, best grade, realize 50c. to 60c. each. Only a moderate supply of Lilies is arriving and prices remain firm at from 8c. to 10c. each, and they clean up fairly well.

Sweet Peas are abundant enough but very poor, and therefore shunned by buyers. No more than 40c. per 100 is realized for the best. There is a large cut of Gladioli coming in, of very fine quality and in great variety, but the present demand does not clean up the supply. The tendency therefore is towards lower prices. The best grade flowers are selling for 6c. each. The supply of greens is plentiful, and their movement slow.

BOSTON, July 12.—Business this week is at its worst, practically at a standstill. The weather is so intensely hot that it interferes somewhat with the sales. Even the retail stores are doing very little. There are large quantities of Roses coming to market, but there is practically no outlet for them; the hospitals are getting quantities of them. The demand for all kinds of Roses this week is very limited. The quality of Kaiserin and Carnot are quite good and the flowers are holding well to color. Killarneys are also of good quality. Richmond is about all played out and does not stand the heat as well as the others. American Beauty is fairly good, but rather short stemmed.

Carnations are having a hard time with the intense heat and are almost played out. Houses are being cleaned up and put in readiness for next year's crops. Prices are very low indeed and cannot be quoted because the flowers are sold for just what they will bring.

There are enough Orchids to meet requirements. Cattleyas are most in demand. Lily of the Valley is of good quality and sells fairly well. Gardenias are still plentiful but the demand is not very good now. Gypsophylla is of good quality and moves fairly well. Asparagus is of better quality and Smilax is plentiful. Candytuft, Feverfew, Stocks and other miscellaneous stock is in quantity but there is very little demand for it. R. C.

CHICAGO, July 12.—Business is exceedingly quiet and there is very little stirring in any line. Funeral work consumes part of the stock, and some few shipping orders move along the cream of flowers that are at this time available. Young stock of American Beauty Roses is really the most presentable stock in the Rose line; all other kinds are small and in soft condition.

In Carnations, the majority of flowers are poorer, although occasionally some really half good blooms are found, and these with good Roses, are disposed of readily. Many of the wholesalers complain of the Carnations arriving asleep, which makes them utterly worthless. The quantity has diminished considerably, as nearly all growers have cleared their houses for replanting. There is really no price quotable, although good stock holds good at the same price as has been obtained in the past two weeks.

As was anticipated, Peonies did not hold well in cold storage, and many that had been affected by the frost dropped their heads on being brought out. A few fairly good flowers are to be found among the stock stored, but the demand is very light.

Sweet Peas, all outdoor, have been in greater abundance than the demand called for, and 5c. a bunch is a good price. Many are left unsold even at this low figure.

Easter Lilies are no longer in excessive supply; they sell fairly well for funeral work. Some Auratums are to be found, but not in any great quantity. Shasta Daisies are certainly fine, but such quantities arrive that the prices suffer. Centaurea is also on the market and attracting some little attention for window displays. Much miscellaneous stock is seen everywhere, with but little call. Green goods are in good supply, quite equal to the demand in any form.

ST. LOUIS, July 11.—Of the market conditions there is not much to say this week. Reports from all over confirm dull business. As a general rule stock is of poor quality. The extreme hot weather of the last week showed on all shipments, especially on Roses. Carnations are getting smaller each day. Sweet Peas, too, are losing strength and quality. Gladioli are coming in fine, so are Asters. Tuberoses are looked for daily. There is no use whatever in quoting prices. ST. PATRICK.

INDIANAPOLIS, July 11.—Encouraging reports have been received from the several flower quarters concerning last week's business. No undue rush was noticeable anywhere, but a regular quantity of funeral work, well distributed, cleared the market and enabled both grower and shopman to gain thereby.

Carnations are looking their worst at present, but are well received in reduced quantities at $1.50 to $3 per 100, retail prices have dropped to 50c. and 60c. per doz.

Summer Roses, as Kaiserin Aug. Vic., Richmond and La France are the best at $5 to $7 per 100, for firsts; $2 to $3 per 100 for seconds. Am. Beauty carry off the honors, even in the Summer time, and are best adapted for made-up work at $2 to $20. Bridesmaid and Bride are poor at $3 to $5.

Lilies are the mainstay of the local flower world and give general satisfaction. L. rubrum, album, Harrisii and auratum are all to be had at market quotations.

Sweet Peas are plentiful enough, but spoil over night, because of the constant humidity; 15c. to 25c. per 100 makes the chance worth taking.

Daisies at 25c. per 100; Coreopsis, 35c.; Hydrangea arborescens, $3.00 and Hardy Phlox at the same price are among the choicest garden flowers.

Tuberous-rooted Begonias, Lilies and Daisies are the only potted plants in bloom for the conservatory. I. B.

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Hartford, Conn., Sept. 23-24, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the American Gladiolus Society in connection with that of the S. A. F. L. Merton Gage, cor. secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

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Wholesale Prices of Cut Flowers, New York, July 13th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 25.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.25 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.50 to 6.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	1.00 to 2.00
" No. 1	.50 to 1.00
" No. 2	.25 to .50
Adiantum	.... to .75
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to .25
Standard Varieties: White	.50 to .75
Standard Varieties: Pinks	.50 to .75
Standard Varieties: Red	.50 to .75
Standard Varieties: Yel. & Var.	.50 to .75
Fancy (The highest grades of Ste'd varieties): White	.75 to 1.00
Fancy (The highest grades of Ste'd varieties): Pinks	.75 to 1.00
Fancy (The highest grades of Ste'd varieties): Red	.75 to 1.00
Fancy (The highest grades of Ste'd varieties): Yel. & Var.	.75 to 1.00
Novelties	.... to ....
Gardenias, per doz.	.... to ....
Gladioli	1.00 to 3.00
Lilies, Harrisii and Longi.	1.00 to 3.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. stringe)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.10 to .20
Tulips	.... to ....
Iris	.... to ....
Peonies	.... to ....

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New York

F. Pollatchek, 1177 Third ave., the Lenox Hill florist, has gone to the Catskill Mountains for a three weeks' vacation, at Fleischman, Green Co., New York. Before leaving he put his store window in Summer order. A southern scene is there depicted. In the background are rustic cabins, with great outside chimneys, on rocky elevations. The foreground is a level field, through which winds a road crossing a rustic bridge. At different points may be seen individuals of color, of both sexes and different ages, most of them partaking of their favorite Watermelons. A southern deer, and some "Cotton Tails" add variety to the scene. The idea is well carried out.

S. Reisner, who has been in business for 15 years at 1436 Third ave, sail for Europe on July 6, on the President Lincoln. He will be away for about two months, going through Germany and Austria. He will visit his mother during his trip. During his absence Philip Schaeffer will be in charge of the business.

M. Frank & Son at 1561 Third ave. are still occupying the same quarters where the business was established 35 years ago, and of which Mr. Frank has been proprietor for 17 years, coming to the establishment as a boy of 11 years. The business is mostly decorative and funeral work, and many large orders are secured from those living on Madison ave. George Bayerli of this company is taking a vacation in Pike Co., Pa. Mr. Frank will take his vacation during August.

M. A. Bowe, 1294 Broadway, will move from his present quarters about Oct. 1. He has not as yet decided exactly upon his new quarters, but they will be somewhere in his present neighborhood, where his many patrons and friends will easily find him. A definite statement naming Mr. Bowe's new location will be made later.

Joseph B. Davis has been established in business at 2152 Third ave., since 1883. He has had the misfortuae of an enforced vacation because of slipping and breaking his leg in April last. His leg has been out of the plaster cast for only about two weeks, but he is now able to be in his store.

P. Cosmas, 2107 Third ave., has been at his present store seven years. It is noted that his store window is very tastefully banked with choice Ferns, giving a pleasing effect.

Walter P. Sheridan, 131-133 W. 28th st., will close his store during July and August at 4 p.m. Traendly & Schenck will also close during these months at the same hour. Mr. Sheridan will take his vacation by attending the S. A. F. convention at Rochester in August.

Charles Schenck has been sick with malaria and has gone to the Catskills on a vacation.

John I. Raynor, late of 49 West 28th st., is touring in his new automobile.

Joseph Fenrich of Henshaw & Fenrich, 55 West 28th st., has sent his family for the Summer to his bungalow

on his 100-acre farm at Craryville, on Lake Copec, N. Y., where he will join them in August. A. M. Henshaw, his partner, is motoring with friends through New England during the month of July. Both expect, in August, to take in the S. A. F. convention at Rochester, motoring from New York City.

A. Moltz & Co., 55-57 West 26th st., have doubled their force of employees and now have a bookkeeper.

M. C. Ford, 121 West 28th st., has invested in a fine new awning which adds greatly to the comfort of his store.

Frederick Kervan, of Kervan & Co., 113 West 28th st., has recently arrived in New York, coming from Alabama by the way of Florida.

James Coyle, and James Maloney, both with H. C. Froment, of 57 West 28th st. are on vacations, the former among the Catskills, and the latter at Delaware Water Gap, Pa. Henry Baker, another employee of Mr. Froment, has just returned from a vacation at various points among the Catskills. Mr. Froment will defer his own vacation till August.

John Siefert, Ravenswood, L. I., died on July 10. Mr. Siefert had for many years a stand at the N. Y. Cut Flower Exchange, and was a stock holder.

A dividend of 10 per cent. was declared by the board of directors of the N. Y. Cut Flower Exchange, at their recent meeting, which will be paid July 16.

George Golsner and wife, who have been enjoying a vacation in Europe, are expected to arrive in New York, Aug. 2.

Andrew Sauter, 55 West 26th st., and family, sailed for Europe on the steamer Kaiser Wilhelm der Grosse on June 12. He was accompanied to the pier by a group of his many friends.

Meyer Ottrile, with A. J. Guttman, 34 West 28th st., is taking a vacation at Parksville, N. Y.

A. J. Guttman will attend the S. A. F. convention at Rochester, where he will show his "Best Oil" and his paints.

George Saltford, late of 43 West 28th st., is in his new quarters at 129 West 28th st., where he will be pleased to see all of his old customers and friends. A new ice box his been installed on the premises by the Forster-Mansfield Mfg. Co., 145 West 28th st. Mr. Saltford's location is a favorable one, and his store is well equipped. A little later he will take a vacation at Rhinebeck.

The N. Y. Cut Flower Co. held a stockholders' meeting at its offices in the Coogan Building, on Monday, July 11.

Frank Good, for some time with H. Hoffmeir at 86th st. and Broadway, and recently with S. A. Anderson of Buffalo, with a partner, Mr. Halliday, is to embark in the wholesale florist business on Genesee st., Buffalo, in August or early in September.

Joseph J. Trepel, Broadway and Reid ave., Brooklyn, on Sunday last, at Rockaway, by an act of personal bravery saved a lady from drowning.

Bowling

The New York Florists' Club's bowlers began bowling at Thum's alleys, 31st st., and Broadway, on Wednesday of this week, with reference to selection of a convention team. Scores will be given hereafter.

Buffalo

Frank Good, late of New York and recently with S. A. Anderson, with a Mr. Halliday will open up a wholesale house on Genesee st. in August or September 1. This will give this fast growing section three wholesale houses. They say that competition is the life of trade, so let them come.

Otto Gillis and wife have left for a vacation of ten days, to be spent in the Muskoka Lake regions.

James Loughy will take a matrimonial step on Wednesday, July 27. We shall miss him very much at the games that day as he has always been a large prize winner at these outings.

W. J. Palmer and family, with their Pierce Arrow motor car, are spending their vacation in motoring around this section of the country.

Wm. F. Kasting came into town from Erie to take care of some important business, but did not remain long as he is very busy putting up new houses, benches and in getting his houses ready for the coming season.

Walter Stroh of Batavia was in town buying up stock for a big wedding he has booked. He reports business good.

W. H. G.

PITTSBURGH CUT FLOWER COMPANY
WHOLESALE GROWERS
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'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee July 11, 1910	Pittsburgh July 13, 1910	NAMES AND VARIETIES	Boston July 12, 1910	Detroit July 10, 1910	Cincinnati July 12, 1910
..... to 25.00	15.00 to 25.00	**Roses**—A. Beauty, fancy—special	18.00 to 20.00	18.00 to 22.00	..... to 30.00
..... to 15.00	8.00 to 12.50	" extra	6.00 to 12.00	15.00 to 18.00	15.00 to 20.00
..... to 12.50	4.00 to 6.00	" No. 1	1.00 to 3.00	12.00 to 15.00	7.50 to 10.00
4.00 to 8.00	..... to	" No. 2	..... to	4.00 to 10.00	2.00 to 4.00
4.00 to 8.00	2.00 to 10.00	Killarney	.75 to 5.00	3.00 to 7.00	..... to .....
4.00 to 8.00	2.00 to 8.00	White Killarney	.75 to 5.00	3.00 to 7.00	..... to .....
..... to	..... to	My Maryland	.75 to 5.00	3.00 to 7.00	..... to .....
4.00 to 6.00	2.00 to 8.00	Richmond	.75 to 5.00	3.00 to 8.00	2.00 to 4.00
2.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	4.00 to 8.00	..... to .....
..... to	..... to 6.00	Bride, Maid, fancy—special	..... to	..... to	..... to 4.00
..... to 4.00	..... to	" extra	..... to 4.00	..... to	..... to .....
..... to	..... to	" No. 1	..... to	..... to	..... to .....
..... to 2.00	..... to 2.00	" No. 2	..... to	..... to	..... to 2.00
..... to 1.00	1.00 to 1.50	**Adiantum**	.50 to 1.00	.75 to 1.50	..... to .....
..... to 30.00	25.00 to 50.00	**Asparagus**, Plumosus, bunches	30.00 to 50.00	20.00 to 40.00	..... to 25.00
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	30.00 to 50.00	20.00 to 40.00	..... to 25.00
..... to	..... to	**Bouvardia**	..... to	..... to	..... to .....
..... to	..... to	**Callas**	..... to	..... to	..... to 10.00
..... to .50	..... to .50	**Carnations**—Inferior grades, all colors	..... to	..... to	..... to .50
..... to .50	1.00 to 1.50	Standard Varieties: White	.50 to 1.50	1.00 to 2.00	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: Pink	.50 to 1.50	1.00 to 2.00	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: Red	.50 to 1.50	1.00 to 2.00	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): White	.75 to 2.00	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Pink	.75 to 2.00	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Red	.75 to 2.00	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	..... to	..... to	..... to .....
..... to	1.00 to 1.50	**Daisies**	..... to	.50 to 1.00	..... to .....
..... to .25	..... to	**Ferns**, hardy	..... to	..... to .15	..... to .....
..... to .20	..... to	**Galax**, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	**Gardenias**, per doz.	..... to	..... to	..... to .....
2.00 to 3.00	4.00 to 6.00	**Gladiolus**	..... to	3.00 to 8.00	..... to .....
..... to 12.50	..... to 6.00	**Lilies**, Harrisii and Longi	5.00 to 8.00	12.50 to 15.00	..... to 10.00
..... to 3.00	2.00 to 4.00	**Lily of the Valley**	..... to	3.00 to 4.00	..... to 3.00
..... to	..... to	**Mignonette**	..... to	2.00 to 3.00	..... to .....
..... to	..... to 75.00	**Orchids**—Cattleyas	30.00 to 50.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	**Pansies**, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to 6.00	**Peonies**	..... to	4.00 to 8.00	..... to .....
..... to 15.00	..... to 1.50	**Smilax**, (per doz. strings)	..... to	..... to 1.50	1.00 to 1.50
.25 to .50	.25 to .50	**Sweet Peas**	.25 to 1.00	.50 to .75	.20 to .35
..... to	..... to	**Tulips**	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

Boston

The temperature here has been almost unbearable and those who can get away to seashore and mountain are certainly fortunate. For the past week the thermometer has been aronnd 90° and, on several days, went as high as 98°, with much humidity which made it exceedingly uncomfortable. We are in need of rain and all outdoor crops are beginning to suffer.

The market is as quiet now as it can be and most of the salesmen are away on vacation.

There are quantities of good flowers coming in daily. Some of the Roses are very good in quality and color considering the hot humid weather.

Carnations are almost on their last legs; this weather is finishing them up quickly now, although there are quite a few yet to be seen.

Henry R. Comley has purchased the business formerly carried on by C. P. Grimmer, "The Florist," at 34 West st. Mr. Comley was connected with Grimmer for twenty-two years and is now at 6 Park st., where he has one of the most up-to-date atores and shows more novelties in his windows than any other florist in the city.

Mrs. Jarvis Cartwright, wife of the well-known Needham florist, died last week after a very long, trying sickness and was buried on July 8. The salesmen at the Market at 1 Park st. sent a handsome standing wreath and a large flat bunch of Roses. Mr. Cartwright has the sympathy of his friends and associates in the trade in his bereavement.

C. R. Dane, the veteran florist of Roxbury, has gone to Maine to spend his vacation. He is one of the old timers and his many friends wish him a happy time in the woods and by the seashore.

Edward Rogean, the strong man in the market, and who disposes of A. N. Pierson's (Cromwell, Conn.) plants and flowers at 1 Park St. Market, has gone to spend his vacation in New Brunswick. For some weeks past he has not felt quite himself and we all hope the fresh invigorating air of the Provinces will do him much good.

George Noyes, another salesman at 1 Park st., we are pleased to learn has secured a lucrative and easy billet for the Summer months. He is to be librarian at the Needham Library and will return to the Market in September.

Superior Wire Work
Send for catalogue.
All Cut Flowers in Season
E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. - CINCINNATI, OHIO.
Please mention the Exchange when writing.

Nantucket is headquarters for William A. Hastings until August, where he will enjoy the sea breeze and occasional fishing.

The markets at 1 and 2 Park st. close on Saturdays at 12 noon during July and August. The wholesale rooms of William H. Elliott and the Waban Rose Conservatories also close at 12 noon during July and August.

There is a petition on foot to endeavor to induce the retailers to close at one o'clock on Saturday during the Summer.

At their last meeting the board of directors of the market at 1 Park st. voted to increase the salary of George W. Hamer, assistant manager of the market, in appreciation of the efficient service he has given.

William J. Thurston, manager of the market at 1 Park st., and W. Turner of Woburn, are spending their vacation at Jefferson, Me. They have gone principally to this place because the fishing is especially good. During Mr. Thurston's absence George W. Hamer will take his place.

The baseball game which was to be played July 9 had to be postponed on account of so many of the market men being on their vacations; they expect to play it next Saturday.

The Halstrom greenhouses at 11 Whitford st., Roslindale, were sold at auction July 2. There were four greenhouses which went very cheap. Fletcher of Auburndale bought one and the other three went to Rogers of Roxbury.

Elijah Wood's sale of Palms, Ferns, Rubber plants and hardy outdoor plants at Newtonville, June 29, realized fairly good prices, particularly the Ferns and Palms. Outdoor stock such as Peonies, Roses and Chrysanthemums, went quite cheap because it was the wrong season to move them. Fletcher of Auburndale was one of the principal buyers.

There is a scarcity of Chrysanthemum stock for planting; half a dozen of the largest growers are all cleaned out.

Henry Haas, one of Wm. H. Elliott's assistant salesmen, has resumed work, having been away, through scarlet fever, for the past 12 weeks.

Malcolm Elliott, salesman at Park St. Market for Wm. H. Elliott, has gone to Prince Edward's Island to spend his vacation.

Patrick Welch is at Old Orchard for two months but comes back to the city occasionally to look after business matters.

The Gardeners and Florists' Club picnic, which is to be held at Pine Banks Park, Malden, July 27, is expected to beat all records for attendance. There are to be many new features for the benefit of the ladies and children. Sports Manager Peter M. Miller announces that he has received liberal donations for prizes and hopes there will be keen competition for them. The list of sports will be announced shortly; it will be a lengthy one. Come early and stay late and enjoy yourselves in this fine rural park.

Frank Cormley, with Welch Bros., has gone to Provincetown to spend his well earned holidays.

Mrs. Julius Heurlin and family left on July 5 for a trip to Europe. Mr. Heurlin, who is proprietor of the Blue Hill Nurseries, expects to join them later in the Fall in Germany.

Max Cohen, who has been with Charles Zeller & Son, of Brooklyn, N .Y., has succeeded Sam Huckon at the Botanic Garden, Cambridge.

The Newton Rose Conservatories are sending some excellent strings of Smilax to market.

R. C.

Philadelphia

Charles James Fox, the Broad st. florist, who recently recovered from an attack of typhoid fever, is passing the Summer at Ocean City, N. J.

A. B. Cartledge of Pennock Bros. is cruising with friends in the Chesapeake Bay in his motor boat Marguerite II.

William Aims, who is with Hoffman of Boston, was recently the guest of J. Max Nitzschke, manager for J. J. Habermehl's Sons, the Bellevue-Stratford florists.

ROSE PLANTS

	Per 100		Per 100
100 Pink Killarney, 3-in. pots	$8.00	**Bridesmaids,** 3½-in. pots	$7.00
Brides, 2¼-in. pots	5.00	**Ivory,** 3-in. pots	$6.00 (Per 100) / $50.00 (Per 1000)
" 3½-in. pots	7.00	**Gates,** 3-in. pots	

A BARGAIN **Richmonds,** fine strong plants, $6.00 per 100, $55.00 per 1000.

WHITE KILLARNEY 2-year-old plants, strong stock, will give better results than young plants, $18.00 per 100.

BUSINESS HOURS: 7 A. M. to 6 P. M.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore July 11, 1910	Buffalo July 11, 1910	NAMES AND VARIETIES	Phil'delphia July 12, 1910	St. Louis July 11, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 25.00	10.00 to 15.00
..... to	12.00 to 15.00	" extra	12.00 to 15.00	..... to 8.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	2.00 to 4.00
..... to	..... to	" No. 2	2.00 to 8.00	..... to .....
3.00 to 4.00	2.00 to 6.00	Killarney	1.00 to 8.00	2.00 to 5.00
3.00 to 4.00	2.00 to 7.00	White Killarney	1.00 to 8.00	..... to .....
3.00 to 5.00	2.00 to 7.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	2.00 to 7.00	Richmond	2.00 to 8.00	..... to .....
..... to	4.00 to 7.00	Perle	..... to	..... to .....
3.00 to 4.00	..... to	Golden Gate	2.00 to 5.00	..... to .....
3.00 to 4.00	4.00 to 7.00	K. A. Victoria	2.00 to 8.00	..... to .....
..... to 4.00	..... to 7.00	Bride, 'Maid, fancy—special	6.00 to 8.00	..... to .....
..... to	..... to	" extra	4.00 to 6.00	..... to .....
..... to	..... to	" No. 1	2.00 to 4.00	..... to .....
..... to 3.00	..... to 2.00	" No. 2	1.00 to 2.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	6.00 to 12.50	..... to .....
..... to 1.00	.75 to 1.00	Carnations—Inferior grades, all colors	.50 to .75	..... to .....
..... to 1.50	1.00 to 1.50	Standard Varieties: White	.75 to 1.00	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Pink	.75 to 1.00	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Red	.75 to 1.00	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Yellow and var	.75 to 1.00	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 2.00	1.00 to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Pink	1.00 to 2.00	1.00 to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Red	1.00 to 2.00	1.00 to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var	1.00 to 2.00	..... to .....
..... to	.50 to 1.00	Daisies	.50 to .75	..... to .....
..... to	..... to .15	Ferns, hardy	.10 to .20	..... to .....
..... to	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to 1.00	..... to	Gardenias, per doz	..... to	..... to .....
3.00 to 5.00	3.00 to 5.00	Gladiolus	2.00 to 6.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	..... to .....
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyas	50.00 to 60.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
3.00 to 4.00	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.20 to 1.50	..... to .....
.30 to .50	..... to	Sweet Peas	.10 to .40	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15 00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $40 00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Frank Polites, 1418 Chestnut st., was recently the guest of George Cotsonas, New York, with whom he attended the Greek-American Florists' Clubs' outing last Thursday.

R. Glass, Thomas Mitchell and Alfred Swan, employees of the S. S. Pennock-Meehan Co., are now taking their vacations.

Joseph and Peter Harris of Shamokin, Pa., were recently in town on their return from New York and New Jersey where they had been visiting several florists' establishments.

The Robert Craig Co. is working up quite a stock of its promising new Ficus No. 49. This company has an immense stock of Ficus pandurata growing on for future delivery. It is still shipping its leaders, Begonia Lorraine, Cyclamen, Crotons, and Ferns. The improved Nephrolepis elegantissima is showing up well. It is somewhat more erect and dwarfer than the compacta, and the difference between this aad the compacta is easily seen.

The Leo Niessen Co. has purchased the property 60x100 ft. at the northwest corner of 12th and Race sts. It will erect there a six-story reinforced concrete fireproof building, and expects to have it ready for occupancy by next May. The company has bought this property not so much as an investment as that they may have sufficient room for their increasing cut flower business. They will have in the new building on the first floor three times as much floor space as at their present quarters and light from three streets. Between the first floor and basement they will have the most improved refrigerator system and 1500 sq. ft. of ice box surface. When finished and equipped there will be no better establishment of its kind in the country.

Walter N. Yates of Thaddeus N. Yates & Co., Mt. Airy, sails, for Europe, July 23, in the interests of his firm. He will visit leading nurseries in England, Holland, Belgium and France.

Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Rose Pink, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $7.00 per 100, $60.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, 6.00 per 100, $50.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
Beacon, $7.00 per 100, $60.00 per 1000.
O. P. Bassett, $6.00 per 100, $50.00 per 1000.



CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Chicago

The continued hot weather has had a marked effect on both stock and demand. The shipping orders to any distance have fallen off considerably, owing to the excessive hot weather experienced the past two weeks. Stock is diminishing rapidly in the Rose line, although the new cut of American Beauty is helping out. Carnations are found fault with as so many arrive sleeping and utterly worthless.

Business is very quiet as there is very little call for flowers for any purposes excepting funeral work. There is enough of this, however, to keep the retailers moving. This slack time gives the opportunity to many to enjoy a vacation, which is being taken advantage of by all in the trade.

At the A. L. Randall Co.'s store business in the supply department is very good for the season. They have a great many calls for Evergreen Brand Fertilizer, which seems to be taking well.

The Winterson's Seed Store has on hand a large supply of Boston Ferns that owing to the shortage of same is meeting with a ready sale. They are exceptionally fine stock.

Wietor Brothers have fully completed their planting indoors, and feel that it is a big job accomplished.

At the store of Poehlmann Bros. Co. stock is arriving in excellent condition for the season, and trade has kept up remarkably well, enabling them to dispose of nearly all the stock shipped in. Some fine Lily of the Valley is being cut, but the demand is not quite as active as previously.

The J. B. Deamud Co. is receiving an excellent cut of Gladioli, among them the varieties Francis King, Shakespeare and America, which are exceptionally fine. Some fine Hydrangeas are also arriving.

At Geo. Reinberg's are noted some good cuts of Orchids, including Cattleyas gigas, Mossiæ and Gaskelliana. They are very much pleased with their success in the Orchid line.

Bassett & Washburn are still shipping in extra fine young American Beauty Roses. Mr. Washburn says trade reaches all expectations for the season. Ned Washburn is busy in the office during the absence of the bookkeeper.

Hoerber Brothers are hurrying the completion of their houses, and have already six finished and planted. J. W. Dunn, formerly with J. A. Budlong Co., has been engaged by this firm as foreman at their plant at Des Plaines.

Peter Reinberg and wife have gone on a two weeks' pleasure trip to Yellowstone Park.

Chas. McKellar and wife will spend their vacation on an automobile tour

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, July 12, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty			
36-inch stems..per doz.	....	to	3.00
30-inch stems.. "	....	to	2.50
24-inch stems.. "	....	to	2.00
20-inch stems.. "	....	to	1.50
18-inch stems.. "	....	to	1.25
12-inch stems.. "	....	to	1.00
8-in. stems and shorts "	....	to	.75
Killarney	4.00	to	6.00
" extra	....	to	10.00
White Killarney	....	to	8.00
Richmond	4.00	to	6.00
My Maryland	5.00	to	8.00
Bride, Maid, fancy special	4.00	to	6.00
" extra	4.00	to	5.00
" No. 1	....	to	2.00
" No. 2	....	to	1.50
Perle	4.00	to	5.00
Chatenay	3.00	to	5.00
Kaiserin	6.00	to	10.00
Uncle John	....	to	6.00
Mrs. Marshall Field	....	to	6.00
Adiantum	....	to	1.00
Asparagus, bunch	.35	to	.75
" Sprengeri	.35	to	.75
Calla Lily	10.00	to	12.00
Chrysanthemums, doz.	....	to	....
" fancy doz.	....	to	....
Corn Flowers	.75	to	1.00
Daisies	1.00	to	1.50

CARNATIONS			
Standard Varieties: White	1.00	to	1.50
Standard Varieties: Pink	1.00	to	1.50
Standard Varieties: Red	1.00	to	1.50
Standard Varieties: Yel. and Var.	....	to	....
*Fancy: White	2.00	to	2.50
*Fancy: Pink	2.00	to	2.50
*Fancy: Red	2.00	to	2.50
*Fancy: Yel. and Var.	....	to	....
* The highest grades of Sta'd varieties			
Ferns, hardy, per 1000	....	to	3.00
Galax (green)	....	to	1.00
" (bronze)	....	to	1.00
Gardenias	20.00	to	30.00
Lilies, Harrisii and Longi.	10.00	to	12.00
Lily of the Valley	3.00	to	4.00
Mignonette	2.00	to	4.00
Narcissus—Paper White	....	to	....
Orchids—Cattleyas	50.00	to	50.00
" Cypripediums	15.00	to	20.00
Pansies	.25	to	.40
Peonies	4.00	to	8.00
Smilax	12.00	to	15.00
Sweet Peas	.50	to	1.50
	....	to	....
Violets, single	....	to	....
" double	....	to	....
	....	to	....
	....	to	....
	....	to	....
	....	to	....
	....	to	....

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place, SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

through the East, journeying as far as Maine, visiting en route Toledo, Pittsburgh, Philadelphia, New York and other places of interest, and expecting to be gone about six weeks.

J. C. Vaughan is a candidate for Congress from the second Congressional District of Illinois, and has petitions out in the endeavor to obtain the necessary number of signatures to qualify him as a candidate.

W. H. Kidwell, with a party of florists, left Monday morning for a week's visit at Eagle Lake, Mich.

The Chicago Florists' Club hold their annual picnic on July 31. The place has not as yet been decided on.

Mr. and Mrs. John Schoepfle and daughter sailed on the S. S. Potsdam from New York on July 12, en route for Europe, expecting to be gone two months.

Peter Pearson of North Campbell st. has sold out his business to George Jung. Mr. Pearson is looking for a suitable location to build. A. Otto has bought the greenhouses at Rockwell st. that were formerly operated by George Jung.

H. E. Philpott is still visiting around Chicago, remaining to attend the Chicago Horticultural Society's meeting on July 19. He expects to leave here about July 21 for Toronto and principal cities of Canada, in the interest of the Canadian Horticultural Association's convention, of which organization he is president. It is his intention to be in St. Catherines, Ont., where the convention is to be held Aug. 10-12, several days ahead of time to act with the second vice-president in the arranging of the trade exhibition, which promises to be the largest yet held. It is hoped that some of our American brothers will be present at St. Catherines, where a hearty welcome will be extended to all. It is expected that a large party from Canada will meet at Buffalo on the following Tuesday, to go to Rochester to attend the S. A. F. convention.

Robt. Kroeschell and Miss Hawley were united in marriage July 5.

Schiller the Florist reports an average of five wedding a day during the month of June.

Visitors: John E. Lapes, Cedar Rapids, Ia.; T. L. Lonquist, Benton Harbor, Mich.; H. A. Fischer, Kalamazoo, Mich.

The Horticultural Society of Chicago will meet at the Art Institute on July 19 at 2 p.m. At this meeting there will be an election to fill the vacancy caused by the death of President William E. Kelley. An important amendment to the by-laws will also be voted on.

The Chicago Florists' Club held a regular meeting and banquet on Thursday evening, July 7, at the Union Restaurant. About 40 members were present, and the evening was spent in a most enjoyable manner. The matter of transportation to the S. A. F. convention at Rochester was brought up and it was decided to accept the offer made by the Lake Shore and Michigan Southern R. R., as per the letter published elsewhere in this issue. It was also decided to hold the annual picnic on Sunday, July 31, a committee being appointed to find a suitable place and make arrangements for same, and report to the officials of the Club, when arrangements are to be completed. A meeting of this committee was held on Monday afternoon, July 11, when it was reported that as yet they had failed, owing to its being so late, to find a desirable picnic ground, and it may be that the picnic will be postponed until next year.

Freesia bulbs from Bermuda, California and France will be on hand the coming week at Vaughan's Seed Store. Twenty per cent of the employees of this store are enjoying a vacation.

The question of a location for the Fall show will be considered at the Horticultural Society's meeting on July 19.

A Pure Insecticide Bill became a law on April 26. All seedsmen should have a copy of same.

Rubert Buist of Philadelphia spent Sunday in Chicago, the guest of J. C. Vaughan. Mr. Buist is on his way to the Pacific Coast.

Mandel Bros. department store is fitted out with window boxes, filled with usual box stock. If other stores would follow suit State st. would be a center of attraction.

Pittsburgh

Business is very quiet and the Summer dullness is on. Everywhere improvements are being made. It looks as though everybody is expecting a big Fall trade. Many of the florists are on their vacations, either to the seashore, mountains, or on fishing trips. The wholesalers are closing at 5 p.m., except on Saturdays, when they close at 6 p.m. Some of the retailers are following the example of the wholesalers and are closing likewise except on Saturdays.

Carnations are measly, small and of poor keeping qualities. Roses are a little better and can be used to better advantage. Gladioli are making their appearance, the variety America showing up the best. Water Lilies are quite a factor and make up very well for all purposes. Easter Lilies are very abundant and the quality fair. D.

Detroit

This district being in the grasp of a dry spell lasting now over five weeks, with extremely hot weather during four weeks, we suffer from all the consequences of this condition. Where copious watering can be done crops are fairly good, but florist establishments are not always near to city hydrants and consequently much outofdoor stuff suffers immensely.

Business has been much better than the same week a year ago and the coming week will be all hustle and bustle. Decorating autos for the big Elk's parade will be the main feature. As far as known most of them will be mainly in artificial flowers, Pampas plumes and such goods. Still Breitmeyer's have the contract for two large trucks to be decorated in natural American Beauty Roses. They have, to date, orders for decorating eight large cars and there is no doubt that many others will come in before the day is over.

Cut flowers are plentiful but the quality is very poor on account of prevailing weather. There is no change in the market quotations but even these cannot be lived up to; it is a case of disposing of all you can and getting for it all you can. FRANK DANZER.

Cincinnati

During the past week business was only fair, with but little really good business, and little really good stock to do business with. We must submit to the good old Summer dullness and await the coming of Fall, when Chrysanthemum is king, and the tourists return with more sober thoughts of home in all its comforts, instead of a cooped up room at the seashore at ten dollars a day. But we must all have some recreation. The annual outing of the Cincinnati Florists' Society will occur at The Country Club grounds, at Carthage, O., on July 21, from early morning until late at night. Max Rudolph is the high mogul, assisted by Critchell, Adrian, Murphy and Della. If florists don't get their money's worth it will be their own fault, as there is no charge for tickets, and everybody is invited to go and have the best time of their lives. Unfortunately for the writer, he will be out of the city at the time this great annual event occurs.

Monday, July 11, the Cincinnati Florists' Society held its annual meeting, at the residence of Gus and Mrs. Adrian. About forty members were present, who enjoyed the hospitality extended. The election of officers resulted as follows: C. E. Critchell, president; Wm. Murphy, vice-president; Alexander Ostendarp, secretary; Ed. Forder, treasurer; and Park Supt. Greensmith, director.

Heller Bros. are cutting some fine American Beauty Roses and will have same all Summer.

Miss Margaret Anstead, stenographer for E. G. Gillett, is home sick with the mumps. Margaret says she does not care for pickles. E. G. GILLETT.

St. Louis

Mrs. John Stridel, president of the Ladies' Home Circle, announces that the meeting at her home has been postponed until after the florists' picnic and requests that all the ladies meet at Autenried's Hotel, in Clayton, at 1.30 p.m. on Thursday, July 28, whence they will be taken in picnic wagons to her home. At this meeting the ladies are requested to bring their husbands along.

Monday morning, July 11, Robt. J. Windler, V. Gorley and W. C. Smith left for a week's stay at Detroit with the Elks. They will, of course, call on Mayor Breitmeyer, and visit Chicago and Milwaukee, returning in time for the florists' picnic.

The Retail Florists' Association, at its last meeting, appointed a committee to devise plans to stop "crape pulling" and report at the August meeting. The committee is composed of three well-known South St. Louis retailers. We hope they will accomplish something.

Mr. and Mrs. Wm. Ellison have abandoned their trip North this Summer and have taken up their residence out in Kirkwood.

Vacations have started at the wholesale houses and all will take their ten days' turn between now and the last of August.

Oscar Kuehn of the wire department at Smith's reports that he and his family will leave the last of this month for a two weeks' trip home to Milwaukee where his parents reside.

Trustees Messrs. Bentzen, Ostertag and Schoenle held a meeting at Ostertag's on Monday night, July 11, to complete arrangements for the florists' picnic which takes place Thursday, July 21, at Ramona Park. Handsome badges and invitations have been sent out and Messrs. Kuehn, Smith, Berning and Augermuller, our wholesalers, have each donated $5 for prizes to be competed for at the outing. A fine band of music has been engaged and the committee hopes that all florists in the city will take advantage of this and come out early and enjoy a good day's outing so, if the day is pleasant, a record-breaking crowd is looked for. Everybody in the trade is welcome.

ST. PATRICK.

F. E.—Best Advertising Medium

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BIND it around your trees. Stop the third crop of caterpillars from crawling up. It is the most destructive crop of all.

Caterpillars or tussock moths cannot crawl under and won't crawl over Strokum. The only banding substance that does the work and lasts an entire season. It is not unsightly. Guaranteed not to harm the trees. Anyone can put it on.

Send $1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter.

Send for our illustrated booklet.



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Save on Construction or Repairs
Buy now. Write us for prices.

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That our staff of Heating Engineers is reliable and competent
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Packed in small crates easy to handle

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1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
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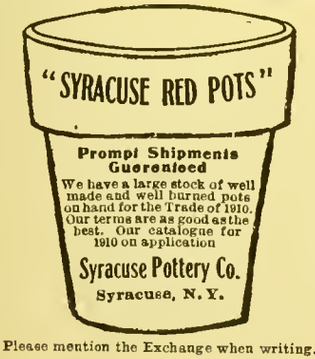

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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For fumigating and sprinkling combined, 3 cents per lb. in 100 lb. sacks, $50.00 per ton.

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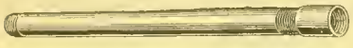

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Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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Green Flies and Black ones too
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The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
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25 lbs. $1.00	100 lbs. $ 3.00	1000 lbs. $27.00
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Imported Scotch Soot
100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.
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Louisville, Ky.

Although the condition of business in Louisville during the past two weeks has not been such as to cause local florists to wear "the smile that won't come off," there have nevertheless been enough sales to keep the ball rolling in a very lively fashion. Considering the fact that the dull season in now supposed to prevail no cause for complaint has been registered nor has the volume of business been sufficiently decreased to cause alarm. The extremely hot weather has had the effect upon trade, but this was to be expected.

Most of the sales during the past two weeks have been for invalids or sick people in various hospitals, with good funeral business, and quite a volume of floral offerings for persons who are going away for the Summer.

A number of florists are making extensive preparations for vacations during the next two weeks and a still larger number are making preparations for improvements in the capacity and equipment of their establishments.

It is rumored that a big Chrysanthemum show will be pulled off at the Armory, or some other suitable place, in November.

An exhibition of outdoor grown Roses was held at the Portland Branch Public Library, on the afternoon of June 30. A great many prizes were offered and competition was open to all, the public being invited to inspect the flowers.

F. Walker & Co. had their hands full on the Fourth. Owing to the orders that were placed with them during the two days previous they were obliged to keep open the entire day.

C. B. Nelson has purchased a five acre tract of land on the Taylorsville road, from George Thompson, for the sum of $4,000. The land is fully equipped with greenhouses and other accessories for a florist business and Mr. Nelson expects to resume the business upon a larger scale, with every modern feature of equipment known to the business.

Louisville florists are making extensive preparations for their annual picnic, which will be held at Stower's Grove, on July 21. On July 5, a meeting of the members of the local association of florists was held at Fred Schulz's greenhouses, on Cherokee road, and definite plans were made with regard to the games and athletic contests to be held on the occasion. The affair promises to be one of the most successful that the local association has ever held, and a good time is promised to every one of the florists and their ladies who attend.

Nanz & Neuner are remodeling four of their greenhouses and will have some of the finest in the city when the work is completed. The new houses will be devoted to the cultivation of Violets, Carnations, Chrysanthemums and Asters. About Oct. 1 the firm will move from their present site to a three-story building which they have leased for a long term, located on Fourth ave., near Broadway, about a square removed from their present location and the high-rent district. The building will soon undergo a

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FOR PAINT, USE

"Hammond's Greenhouse White"

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Kills Bugs on Asters

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thorough re-modeling and will be converted into an uptodate floral establishment.

In view of the fact that the city limits are gradually extending eastward and additional value is being placed thereby on property in the eastern section of Jefferson County, Henry Nanz has decided to cut a twelve-acre tract of land that he owns in the neighborhood of St. Matthews into building lots about Sept. 1.

Mrs Chas. Neuner is visiting her daughter, Mrs. Charles Wackendorf, in Atlanta, Ga., for a month. Mrs. Wackendorf will return with Mrs. Neuner for a protracted visit at her old home in St. Matthew's, Ky.

Robert Nanz, son of Henry Nanz, of Nanz & Neuner, has been appointed superintendent of one of the largest distilleries in the State. Mr. Nanz now has charge of the Pleasure Ridge Distillery, located at Pleasure Ridge Park, Ky. Henry Nanz, Jr., has been appointed to the position of head bookkeeper at the local branch of Armour & Co., the big Chicago packers.

One of the handsomest ice-boxes that has ever been installed in a local flower shop has been put in at the establishment of Jacob Schulz on Fourth ave. The box is a modern article in every respect. The walls of both the interior and exterior are lined with mirrors and the interior will be finished with glass shelves.

Edward Thompson, son of Mrs. C. B. Thompson, has introduced a new line at the Thompson Floral Shop. The new line comprises a full stock of twelve fox terrier puppies, which are on display in the window among the blossoms, selling like the proverbial hot cakes at $4 each. The collection will soon be augmented by means of three high-grade hunter pups and a beagle hound.

William Walker left on July 5 for a two weeks' trip to Blue Rock Springs, Ky., where he will enjoy his vacation.

Several orders have come to Mrs. M. D. Reimers during the past week from foreign parts. The orders were in the shape of cablegrams for wreaths to be placed on various graves in Cave Hill Cemetery on the Fourth of July. The boys who wore the blue and the gray have never been forgotten by Louisville folk and many orders for decoration of the soldiers' graves on the Fourth were received by local florists. G. D. C.

BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S. Crown 8vo., Cloth, 212 pages, 42 illus.

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Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.

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ALL SIZES
16x24 A. & B. Double a Specialty
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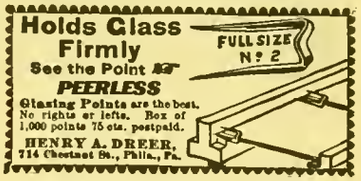

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THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



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If All Thought Alike

We would need our factory again as large and not advertise any further. But the best we can hope for is the largest share of the business and we have it now. We are glad that there are other people making greenhouse material and that there are people who buy from them as it gives our customers a chance to compare. We like comparisons, and if you want to know the quality of our goods give us the order for the next house and see the difference. Send for an estimate.

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No. 4. Greenhouse Materials.
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Our catalogue will get you to thinking about it. Sent on request.

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ANY WIDTH—ANY LENGTH.
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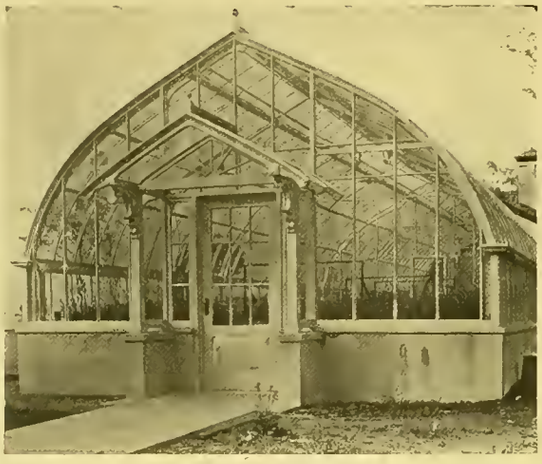

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It is easy enough to make a house very ornamental, but how will this affect the number of rose blooms in December?—That's the vital point!

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LORD & BURNHAM CO.

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New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery

Please mention the Exchange when writing.

Write to us about your

Materials and Plans
for any size and style of

GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St.,
CHICAGO.

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F. E.—Best Advertising Medium

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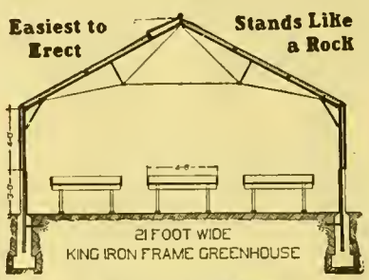
"The **Best Houses** we have and we **erected** them ourselves **without any trouble.**"—*From one of the well known growers in Jersey.*



"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Nelpp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

WHY NOT YOU?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especia attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.



Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity

THE CAMP CONDUIT CO.
613 Euclid Ave. - - Cleveland, Ohio

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A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

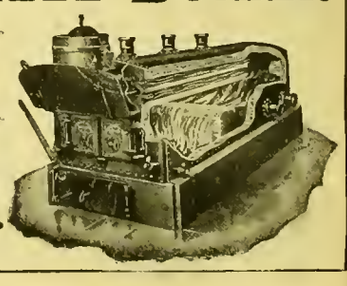
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Wererooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.



Prices and Catalogues on application

KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

Preliminary Program S. A. F. Convention at Rochester Next Month

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 4 — NEW YORK AND CHICAGO, JULY 23, 1910 — One Dollar Per Year

Amherst MASS

LILIUM HARRISII

Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

Begonias Gloire de Lorraine

Strong healthy plants, ready for immediate delivery, 2¼-inch pots, $15.00 per 100, $135.00 per 1000; 3-inch pots, $25.00 per 100, $200.00 per 1000; 4-inch pots, $35.00 per 100, $300.00 per 1000.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25 00 per 100; 5-inch pots, $5.00 per dozen, $35.00 per 100.

POINSETTIAS

3¼-inch pots, $8.00 per 100, $75.00 per 1000.

ADIANTUM FARLEYENSE

3-inch pots, $15.00 per 100.

BOSTON FERNS

First class plants, 7-inch pans, 75 cts. each; 8-inch pans, $1.00 each; ready for immediate delivery.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

GLASS A few hundred boxes 16x24 A. D. S. F. O. B. Buffalo, N. Y., or Erie, Pa., at right prices.

Get quotations before you buy elsewhere.

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

CANNAS

CANNAS will be one of our strong points in the future. Not many kinds next Fall, only a few of the best, but a good many of a kind; so if you can use quantities of such kinds as **King Humbert, Alphonse Bouvier, Egandale, Florence Vaughan, Jean Tissot, Louisiana, Pennsylvania, President Myers, Richard Wallace,** etc., write us for special prices, naming quantity you can use. We will have a fine collection in 3-in. pots to offer next Spring.

Swainsona Alba .....3-in., $3.00 per 100.

Alyssum, Dwarf and Giant Double...3-in., 3.00 per 100.

Dahlia Roots: We are booking orders for Fall delivery. Send for list.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

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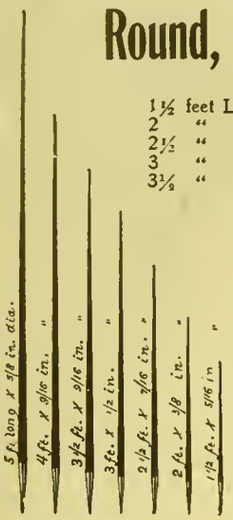
Round, Green Painted Plant Stakes



	Per 100		Per 100
1½ feet Light Stakes	$0.80	4 feet Light Stakes	$4.35
2 " " "	1.55	5 " " "	5.10
2½ " " "	2.25	3 " Heavy Stakes	4.25
3 " " "	2.90	4 " " "	5.75
3½ " " "	3.85	5 " " "	7.25
		6 " " "	8.75

	Trade Pkt.	Ounce
Cineraria Hybrida - -	$1.00	
Mignonette, Defiance - -	.15	$0.40
Pansy, Finest Blended - -	1.00	8.00
Primula Chinensis - -	1.00	
Primula Obconica - -	.25	
Stocks, Beauty of Nice - -	.25	2.50

Thompson's Special Chrysanthemum Manure	$6.00 per bag of 56 lbs.
Clay's Fertilizer	$3.25 per bag of 56 lbs.
Sheep Manure	100 lbs. $1.50, Ton, $24.00
Scotch Soot	$3.50 per bag of 100 lbs.
Tobacco Dust	$2.00 per 100 lbs.

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

BODDINGTON'S QUALITY
Christmas-Flowering Sweet Peas
FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird (Pure White)	$0.20	$0.75	$1.25	$2.00
Boddington's Christmas Pink	.10	.40	.75	1.00
Boddington's Christmas White	.15	.50	.85	1.50
Mrs. E. Wild (Carmine)	.15	.50	.85	1.50
Mrs. Geo. Lewis (White-waved)	.15	.50	.85	1.50

New crop of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

CALLAS

Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California
SOLE AGENTS FOR THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

Hardy Lily Bulbs

We have the following Lily Bulbs, all in first class condition, just the thing for outside planting, or for forcing for August flowering.

The prices quoted are for case lots only.

		Per Case
4 cases, of 100	**Album,** 11/13	$20.00
5 cases, of 150	**Album,** 8/10	15.00
4 cases, of 160	**Album,** 9/10	20.00
8 cases, of 150	**Album,** 9/11	18.75
1 case, of 125	**Album,** 9/11	15.75
6 cases, of 100	**Melpomene** 11/13	11.00
6 cases, of 160	**Rubrum,** 9/10	12.50
8 cases, of 150	**Rubrum,** 9/11	12.00
4 cases, of 80	**Rubrum** 11/13	10.00
2 cases, of 60	**Rubrum** 13/15	12.00
1 case, of 120	**Rubrum** 9/11	9.50
7 cases, of 125	**Roseum** 9/11	10.00
4 cases, of 100	**Roseum** 11/13	14.00

BAMBOO CANES

For Chrysanthemums, Tender Young Plants and Trees

		Per 1000	Per Bundle
6 feet,	2000 to the bundle	$6.00	$11.00
8 "	1000 " "	9.00	9.00
12 "	100 " "	25.00	2.70
14 "	100 " "	35.00	3.70
16 "	50 " "	50.00	2.70

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt 50 cents.
Large-Flowered-Prize Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Cold Storage Valley

BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP
Grown by some of the most competent private gardners in the country.
Write for special prices.

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Seasonable Seeds
FOR
Summer Sowing
ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

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Dutch Bulbs

We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

The Dutch Bulb & Seed Growers Co.
Haarlem (Holland)
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention advertisement in the Exchange.



One of our Prize Pansies

Johnson's PRIZE WINNER PANSIES

Are Produced by the Most Eminent Pansy Specialists of Europe and Famous for their Giant Size, Heavy Texture, and wide range of Magnificent Colors.

We offer seeds of this unrivaled strain as follows: Per 1000 seeds, 30c.; 2000 seeds, 50c.; 5000 seeds, $1.00; per ¼ oz., $1.25; per oz., $5.00.

	Per large trade pkt. (2000 seeds)	Per oz.
Giant Adonis, beautiful light blue	$0.25	$1.50
Giant Prince Bismarck, beautiful shade of brown	.25	1.50
Giant Striped	.25	1.50
Giant Peacock, ultramarine blue, claret and white, extra	.40	3.00
Giant Emperor William, the best blue	.25	1.25
Giant Black	.25	1.25
Giant White, with dark eye	.25	1.50
Giant Trimardeau, choice mixed	.25	1.00
Giant Fire King, golden yellow, upper petals purple	.25	1.50
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors	.40	2.50
Giant Lord Beaconsfield, purple, white petals	.25	1.50
Giant Yellow, with dark eye, fine	$0.25	$1.50
Bugnot's Superb Blotched	.40	4.00
Cassier's Giant Five Blotched	.40	3.50
Masterpiece, a magnificent variety with curled petals and many rich colors	.40	3.50
Giant Orchid-flowered (new), beautiful rare shades	.50	4.00
Giant Odier, extra large, blotched, rich colors	.40	3.00
Imperial German mixed, a rich strain	.40	3.00
Giant Parisian, brilliant colors, mostly five blotched, fine	.30	1.75
Giant Dark Blue	.25	1.50
Giant Snowflake, pure white, extra	.30	2.00
Giant Hortensia (new), red shades	.30	2.00
Giant President Carnot, large white with violet blotches	.25	1.50

Send for our Complete Wholesale List of Pansies

JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

"Horseshoe Brand" French Bulbs will soon arrive from the celebrated Bremond fields. They net better profits per thousand bulbs than any other brand, because they are grown from the best stock and very carefully selected before packed.

Write for prices.

RALPH M. WARD & CO.
12 WEST BROADWAY
NEW YORK

Horseshoe Brand Products. "Not How Cheap—But How Good"

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

PRIMROSES

IMPROVED CHINESE Finest grown. All colors mixed, single and double, strong 3-in., $2.00 per 100.

CYCLAMEN GIGANTEUM Very extra fine, 4-in., ready for 5 or 6-in. pots, **$10.00 per 100.**

XXX SEEDS

CHINESE PRIMROSE, finest grown, single and double mixed; ½ pkt. 50c., 500 seeds, $1.00, 1000 seeds, $1.50.

PRIMULA KEWENSIS, the great and grand new, Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

CINERARIA, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

GIANT DAISIES (Bellis), extra large and fine, mixed. Trade pkt. 25c.

PRIMULA OBCONICA, New Giants, 1500 seeds, 50c.

CALCEOLARIA, Dwarf Giant Spotted. Pkt. 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.

CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and **CELERIAC,** best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.

CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

I Grow My Own Seed —All True to Name

CLEMATIS PANICULATA, out of 2-in. pots, $2.00 per 100. 25,000 seedlings of **CLEMATIS PANICULATA,** $7.50 per 1000; 250 at 1000 rates.

DRACAENA INDIVISA, out of 3-in. pots, very strong, $4.50 per 100; out of 2-in. pots, strong, $2.25 per 100. Extra fine. Cash with order, please.

SAMUEL V. SMITH
3323 Goodman St., Philadelphia, Pa.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

P. C.

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark **American Spawn Co., St. Paul, Minn.**

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SCHLEGEL & FOTTLER CO.
BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 639 Market Street PHILADELPHIA, PA.

CINERARIAS—W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street NEW YORK

Please mention the Exchange when writing.



Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Chartere, sep. colors or mixed	.50	.10
Hollyhock, Everblooming, New Strain	.50	.10
Primrose, Chinese, Prize Strain.		.25
Cineraria, Sutton's Prize Strain.		.25
Mignonette, Imperial Strain, greenhouse grown	2.00	.25
Pansy Giant, the best of all	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Grange, BALTIMORE, MD

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, Etc.—July 14.—L. D. Crossmond, 177 boxes Lily bulbs, 1 bbl. Lily bulbs; P. Henderson & Co., 84 boxes Lily bulbs; F. R. Pierson Co., 113 boxes Lily bulbs; F. B. Vandegrift & Co., 6 boxes Lily bulbs; Vaughan's Seed Store, 68 cases Lily bulbs.

DUNKIRK, N. Y.—The Lake Shore Seed Co. plans extensive improvements. An effort is being made to buy the Opera House block for factory space.

American Notes

Quiet Trade Continues

The seed trade, as a whole, has experienced very little change in volume of business for the past week, the usual and expected Summer quiet continuing. What few seeds are seasonable, however, have been selling very well both at wholesale and retail, and surely would even more largely were it not still continuing so very dry in many sections. Could we but have some general rains, especially in the Eastern portion of the country, there is yet time for large plantings of Turnips and other late vegetable crops to be made. Dwarf Beans for the late sowings have been in their usual good demand, especially the Late Refugee, or 1000 to 1, which is one of the most popular green-podded varieties; in wax-podded Beans Wardwell's Kidney Wax and Hodson's Wax are still selling to some extent.

Quite a satisfactory number of orders for immediate and future delivery have been booked the past week by those wholesale seedsmen who make a specialty of Southern business, including in large quantities such seeds as Spinach, Kale, Cabbage and Lettuce. In retail counter business there has also been quite a little doing, for besides Turnip and other seasonable seeds, Celery and Cabbage plants, also pot-grown Strawberry plants,

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

COLD STORAGE LILY OF THE VALLEY PIPS

French Grown Pansy Seed

At Reduced Prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.60
Fairy Queen	.50
Peacock	.60
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75
Thorburn's Superb Mixed	4.00

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

Please mention the Exchange when writing.

Mignonette

For years the best in the New York and Philadelphia markets.

Strictly Greenhouse-Grown Seed. Trade Packet, $1.00; Ounce $4.00.

Nothing better can be bought —Now is the time to sow

ANTON C. ZVOLANEK
BOUND BROOK, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARRIVED THIS WEEK

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 " (333 to case)	6.50	60.00
7-9 " (200 to case)	9.50	85.00
9-11 " (100 to case)	Scarce	

FREESIA

White Bermuda

	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write for it.

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

Please mention the Exchange when writing.

A Bulb Book for Dealers

BULBS FOR FALL PLANTING

Under this title we have prepared for enterprising dealers, a handsome and sumptuously illustrated booklet of 32 pages and cover.

We feel that in this booklet we have something taking and well above the average as a means of interesting the amateur purchaser and increasing bulb sales.

INCREASE YOUR BULB SALES FIFTY PER CENT.

Sample copies now ready; if you are interested drop us a post card and we will send you one with price for an edition in any quantity desired.

A. T. DE LA MARE PRINTING & PUBLISHING CO., Ltd.

P. O. Box 1697, NEW YORK

JUST RECEIVED

New crop of finest strain of Cyclamen oersicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marienthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

are now in good demand. It is well worthy of note how very materially those seedsmen who devote attention to sales of plants have the last few years increased their output of pot-grown Strawberry plants; these are certainly an item that for July and August sales can be pushed with most satisfactory results.

Seed crop reports the past week have been more or less conflicting. Copious rains in some sections have brought quite encouraging words, in other localities the dry weather still continues; on the whole, however, it may be said, that seed growers generally are still hopeful that good growing conditions will yet materialize and, in the end, return at least fairly satisfactory seed crop yields.

The Popularity of Sweet Peas

The exhibition of the National Sweet Pea Society of America last week, in New York, has once again most emphatically drawn the attention of seedsmen to the continual and ever increasing popularity of the Sweet Pea—the one flower that no garden is complete without—"The Poor Man's Orchard." It is comparatively only a few years ago that the quantity of Sweet Pea seed in pounds annually sold in this country was exceedingly small as compared with what has been planted during the season just ending. The writer will go further and predict, that the quantities of Sweet Pea seed sold this season, enormous as they have most certainly been, will, and only a few years hence, seem insignificantly small as we look back. In fact, good opinion all points to enormously increasing sales of this seed with every season that passes. No seller of seeds should fail to fully realize the great possibilities for large aggregate sales and, as a matter of course, good profits, that the Sweet Pea offers. Every catalog maker can, with most satisfactory results, largely increase the amount of space at present devoted to this flower.

The recognized Sweet Pea novelties will very amply repay large illustrations and substantial text; the standard named sorts in the various shades and colors should by no means be neglected, and, when we come to the "Mixtures of Sweet Pea Seeds," do give the subject the attention it has gained the right to demand. You cannot push Sweet Peas too strongly; no matter how large are your present sales of the seed they can be increased and very largely, and to the utmost satisfaction of your customers and a good business profit for yourself. V.

New York Seed Trade

The past week has seen quite a little business with our seedsmen, although we are in the midst of what is supposedly the quietest period of the whole year. Could we but have a good rain to break the drought, seasonable vegetable and pot-grown Strawberry plants would sell in much larger quantities, although the demand has certainly been very satisfactory. Every day now sees many advance French and Dutch bulb orders being placed and, altogether, there is quite a little doing.

Well worthy of note was the display of Water Lilies, both hardy and tender, made by Henry A. Dreer, Philadelphia, Pa., last week at the exhibition of the National Sweet Pea Society of America. Messrs. Dreers' collections of both Nelumbiums and Nymphæas, included a very

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON

BALTIMORE, MD.

Please mention the Exchange when writing.

CAULIFLOWER SEED

CABBAGE SEED

MANGOLD, SWEDE, TURNIP SEED

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

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S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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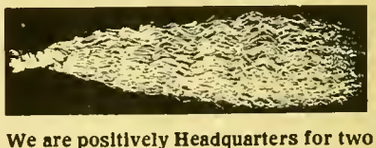
HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Raffia



We are positively Headquarters for two best grades—bales or ten bales.

☞ Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

PANSIES WORTH RAISING

Seed Very Large This Year.
$3.50 per ounce.

C. SOLTAU 199 Grant Ave. JERSEY CITY, N. J.

Please mention the Exchange when writing.

GIANT **PANSY** SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue** and **Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.

large number of the best varieties, among which, in the Nymphæas, were especially noted Wm. Falconer, a most brilliant dark red and James Brydon, a beautiful rich rosy-crimson. The display was most artistically arranged in large tanks with Water Hyacinths, variegated Flag and Water Poppies distributed among the Water Lilies. John S. Hay, who was in charge, found many interested visitors, not only amateurs, but among the trade as well.

C. W. Scott, manager of Vaughan's Seed Store here, has gone to Chicago to make a visit to the home office. Mr. Scott in the very near future will sever his connection with Vaughan's Seed Store to take charge of the Yokohama Nursery Company, Limited, at 31 Barclay st., this city.

J. M. Thorburn & Co. have been very busy the past two weeks with export seed orders, which at this season of the year always command their attention.

Kennedy & Hunter have established themselves as seedsmen and florists at 156 West 34th st. and are, just as rapidly as possible, getting their store in shape, installing fixtures, etc. A. R. Kennedy is a well-known florist and gardener of Arlington, N. J., and J. J. Hunter has been identified with Burnett Bros. a number of years. The locality which the new firm has selected should be a good one as it is in close vicinity to the new Pennsylvania R. R. depot.

The Stumpp & Walter Co. is particularly pleased with the large sales it is making of its special greenhouse-grown stock of "Purity" Freesias. This firm also has received, the past week, a stock of new Pansy seed in all grades.

Peter Henderson & Co. have an especially attractive window display this week, Water Lilies being the main feature.

A display of 20 or more varieties of Beans, both green- and wax-podded varieties, has attracted much attention at J. M. Thorburn & Co.'s.

The employees of Vaughan's Seed Store will hold their annual picnic this season about the middle of August and a large attendance is expected. Further particulars will be given a little later.

The first arrivals of Lilium Harrisii and Freesia bulbs are selling very well.

Burnett Bros. report an unusually large demand for pot-grown Strawberry plants, their sales so far this season having exceeded those of any previous year to date.

Lawrence S. Payn, representing the estate of André Leroy & Cie, H. Lorin, successor, sailed for Havre, France, July 23, on S. S. Chicago, after having made his usual trip through the U. S. and Canada. He reports a successful trip and that he found business very good.

PANSY SEED TIME



CHALL ENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color.	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarrk. Yellowish bronze, dark eye	.25	.75	2.50

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.50	$2.00
Giant Prefiosa. Crimson-rose, white margin, violet blotch	.15	.60	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.

	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating.	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50



HENRY A. DREER, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Valkier en Zoon, BULB GROWERS
Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.

AGENT FOR THE UNITED STATES

CHRIS. VAN SCHAIK, Care of Isaac the Vieser R. F. D. No. 1 **Paterson, N. J.**

Write for Prices

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.



PANSY SEED ORDERS BOOKED NOW

MICHELL'S GIANT EXHIBITION MIXED

A Giant Strain which we have secured from the leading Pansy Specialists in England, Germany, and France, which for size of bloom, heavy texture and varied shades and colors, cannot be excelled. Trade pkt. 50 cents, 75 cents per ⅛ ounce, per ounce $5.00.

MICHELL'S GIANT PRIZE STRAIN

Our Giant Prize Pansies should not be compared with the ordinary Giant Trimardeau, as the seed we offer will produce flowers of much heavier texture.

	Tr. pkt.	Oz.
Giant Prize Azure Blue	$0.40	$1.50
" " Black Blue	.40	1.50
" " Emperor William	.40	1.50
" " Hortensia Red	.40	2.00
" " Lord Beaconsfield	.40	1.50
Giant Prize Snow Queen (pure white)	$0.40	$1.50
" " White, with Eye	.40	1.50
" " Pure Yellow	.40	1.50
" " Yellow, with Eye	.40	1.50

Our Summer Wholesale List of Seeds, Bulbs, etc., free for the asking.

HENRY F. MICHELL CO., 10th and Market Sts. Philadelphia, Pa.

Please mention the Exchange when writing.



Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt (2000 seeds) 50c.; ⅛ oz. 75c.; ½ oz. $2.75; 1 oz. $5.00

Kingly Collection of Giant Pansies Mixed

Trade pkt. (2000 seeds) 40c.; ⅛ oz. 60c.; ½ oz. $1.85; 1 oz. $3.50

	Trade pkt.	Oz.
Giant Odier. Large Blotched, Show Pansy, Mixed	$0.35	$1.50
Bugnot's Superb Blotched. Very Large French Strain, Mixed	.35	2.50
Giant Trimardeau. Immense size and beautiful colors, Mixed	.25	1.25
Giant Parisian. Great diversion of gay colors, Mixed	.30	1.50
New Orchid-Flowered. Shades of Chamois, Terra-cotta, Pink, Lilac, Rose and Orange, Mixed.	.35	3.00
Fine English Mixed	.20	.75

IN SEPARATE COLORS

	Trade pkt.	Oz.
Faust. Black	$0.20	$0.75
White. Pure	.20	.75
Emperor William. Best Blue	$0.20	$0.75
Red Victoria	.20	.75

STOKES' SEED STORE 219 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ¼ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed**, 3000 seeds, **$1.00**; ¼ ounce, **$1.50**; ½ ounce, **$2.50**; 1 ounce, **$5.00**; ¼ pound, **$14.00**; ½ pound, **$25.00**; 1 pound, **$50.00**. **Giant Yellow with Dark Eye**, same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

Please mention the Exchange when writing.

The American Carnation Price $3.50
A. T. De La Mare Ptg. & Pub. Co., New York

Vegetable Plants

CABBAGE, Danish Ballhead and Surehead, per 100 25c., per 1000 $1.50.
CELERY, Golden Self-Blanching, Golden Heart, and White Plume, per 100 25c., per 1000 $1.50.
BRUSSELS SPROUTS and ENDIVE, per 100 25c., per 1000 $1.50.

ASPARAGUS Plumosus and Sprengeri, 2¼-in. pots, $2.00 per 100, $17.50 per 1000.
ASPARAGUS Plumosus, from bench, 2 years old, $5.00 per 100.
SMILAX, 2¼-in. pots, $2.00 per 100, $15.00 per 1000.
CHRYSANTHEMUMS, Minnie Bailey, Dr. Enguehard, Golden Glow, and Lulu, 2¼-in pots, $2.00 per 100, $15.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Late Cabbage Plants

All standard sorts such as Premium, Late Flat Dutch, Autumn King or World Beater, Sure-Head and Danish Ball-Head. I want you for one of my regular customers; 50 per cent. of my shipments this month have already brought second orders. I want to show you the quality I send out. Look at my reduced introduction prices: 1000 for 75c., 5000 for $3.00, 10 000 for $5.50, 100,000 for $50.00. **Lettuce Plants, Grand Rapids and Big Boston**, $1.00 per 1000. **Parsley Plants**, double curled, per 100 25c., per 1000 $1.25.

ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.

MARSHALL
Strawberry Plants

Best fancy strawberry known. We have developed a fine strain of this variety. Potted plants or layer plants with a ball of earth for Summer or Fall planting. Will bear next year. Extra large and vigorous, 50c. per dozen, $1.50 for 50, $2.50 for 100. Special price for larger lots.

Go to Headquarters
HOPE FARM, Woodcliff Lake, New Jersey

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $2.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Boston Seed Trade

Charles H. Breck and Curtis Nye Smith are starting this week on an extensive trip throughout Europe.

We are glad to learn that the salt water at Chatham is improving John Beaton's health materially and his firm, R. & J. Farquhar & Co., has extended his holidays another two weeks.

J. P. Van Baarda, with Joseph Breck & Son, is making a trip to Europe, where he will visit many of the leading establishments interested in growing seeds and bulbs. He will be absent for about two months and on his return will take up the bulb business with the florists and private gardeners. He has been with Joseph Breck & Son for several years and is very much liked in the trade.

R. C.

Philadelphia Seed Trade

The trade is receiving some orders for Pansy seeds, but there is, up to date, no rush of orders. A little Crimson Clover seed, the new crop of which is in from Delaware, and some Millet is being sold.

Early bulbs have not yet arrived. The orders booked for Freesias would indicate an increased planting this season, in fact, the outlook is for an increased sale of nearly all bulbous stock over that of last season, as far as can be judged from the orders already booked; this is especially true of Paperwhite Narcissus and Trumpet major.

From all reports the indications are that there will be short deliveries on contracts for Beans and Peas. Some growers, indeed, are already trying to buy in order to cover their probable shortages on contracts.

The Johnson Seed Co. has filled its store windows with nearly all kinds of insecticides, old and new, known to the trade, and is offering the new crop of Delaware grown Crimson Clover seed.

Letters to the Stokes Seed Co. from Mr. Walter Stokes indicate that both he and his traveling comrade, Mr. Willard, are enjoying themselves in France and Germany.

The Moore Seed Co., anticipating the ripening of the Grape crop, is featuring Grape grinders and presses in a variety of sizes. Mr. Clarence W. Moore is taking his vacation in instalments of a few days each, spending most of those days in inspecting crops. He attended the meeting of the Elberon Hort. Society, of which he is a member, on the evening of July 18, to hear Joseph Manda's paper on Orchids.

Henry A. Dreer is this week making a display in his store window, at 714 Chestnut st., of Araucaria excelsa, glauca and compacta, and of Kentia Palms. The display of evergreens and Water Lilies also is continued. Among the Lilies were noted two beautiful red varieties, namely, Nymphæa gloriosa, and N. James Brydon. The hardy Nymphæas are varied and very beautiful and destined in the future to receive much attention.

As complete a line of garden and lawn implements as can be found anywhere may be seen at the Michell Seed House, 518 Market st.; it is an array which would fill the breast of a good worker with joy, but that of a lazy man with unspeakable horror.

The Henry F. Michell Co. is offering at its store, 1018 Market st., some nice Ferns, and Ficus elastica. The bulb orders already booked by this company are numerous and, some of them, very large; a single order amounted to 50,000 bulbs of one kind. Its sales in this line are sure to exceed those of 1910. I. Rosnosky, traveling salesman for the company, is again on the warpath gathering in the orders.

Lawrence S. Payn, representing H. Lorin, seed grower, Angers, France, was recently in town calling on the seed trade.

W. Atlee Burpee and Mrs. Burpee started July 22 for Culver, Ind., where they will remain for a few days with their two boys, David and W. Atlee, Jr., who are in the Culver Summer Cavalry School.

Geraniums

3-in. stock, in bloom, nice bushy plants, not long. Ricard, Poitevine, Nutt, $2.50 per 100, $20.00 per 1000; 2-in. strong, Nutt, Ricard, Buchner, $12.50 per 1000, $1.50 per 100. 5000 Transplanted Cuttings of S. A. Nutt, fine strong plants, at $12.00 per 1000, $1.50 per 100, the lot of 5000 for $50.00. COLEUS, Verschaffeltii, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Pressilly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

B. E. WADSWORTH, Box 224, Danville, Ill.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.
AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100
GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

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Perpetual Carnations

Why So Many Novelties Fail in England

Presuming, as we do, that all new varieties of Carnations are sent out in perfect good faith by the raiser, after years of testing and close scrutiny, why is it that so many novelties fall so short, over here, of the florid descriptions given, and instead of being gold nuggets are gold bricks?

That it is a great and ever-increasing speculation, investing in these novelties in the first year, few will deny. The difficulty of selecting the winner is great. A brother of the writer has, for the last few years, always spotted the best novelty in the Eastern States of America, but the variety of climatic conditions in that vast country naturally makes the selecting of varieties suited to our climate most difficult.

Even in America itself, the growers in the Eastern States hold the novelties from the Western States with grave suspicion while those from California are invariably ignored. Why should that be? Simply because the latitude in which a Carnation is raised and grown has a mighty influence upon its after life. All of us know this to be true in human life, and time has proved it to be so with the Carnation.

Where is there, or where has there ever been, a truly good variety which has its origin in the West American States, and which has adapted itself to the British climate? Old America and Flora Hill made a bold attempt to do justice to the home of their origin, but Adonis, Crusader, Fiancée, and dozens of others too numerous to mention have failed ignominiously over here. It is only when we examine varieties which have *not* succeeded and discover the home of their origin that we learn why it is so many American Novelties fail with us. Even if we take the varieties which hail from near New York, we have but few successes and many failures. Glacier, Gov. Roosevelt, and perhaps the President, partly succeeded, but Mrs. Roosevelt, Octoroon, Lieut. Peary, Mrs. Ward, and Robt. Craig, etc., etc., have failed. Of course a few of these varieties have proved a success in Guernsey, but Guernsey's climate is hardly ours. F. Dorner from La Fayette, has sent us one or two good varieties, such as The Belle, Lady Bountiful, and his crowning triumph, White Perfection, while Winona will be a friend to many; but against these, Red Chief, Red Spot, and several others have to be counted. From the British point of view, by far the greatest American raiser of Carnations is Peter Fisher of Ellis, Mass. He has given us such sterling varieties as Mrs. Thos. W. Lawson, Gov. Wolcott, M. A. Patten, Enchantress and Beacon, while indirectly we owe White Enchantress, Rose Pink Enchantress, Winsor, and the whole host of Lawson sports to him; also we must not forget the seedlings which are being raised from his good stock. But Mr. Fisher is not only perhaps the best living judge of a good commercial Carnation, but is a judge of where to locate for raising them. In northeastern Massachusetts the climate is different from New York or Illinois, and that is partly why we can rely upon the Peter Fisher novelties. The final conclusion, therefore, arrived at is, that the conditions under which the American novelties are raised unfit many for the British climate, and this, I am sure, as time goes on, will prove to be our best guide.—M. C. A., in *Horticultural Trade Journal.*



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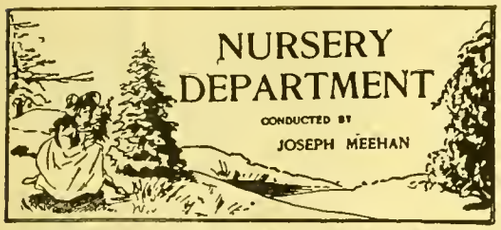

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

OCONOMOWOC, WIS.—The White Elm Nursery Co. of Watertown, Wis., is changing its office to this place.

BLOOMINGTON, ILL.—The Bloomington Nursery Co. has incorporated with a capital stock of $200,000. The president is Sidney Tuttle and the secretary W. E. Rossney.

NORA SPRINGS, IA.—The assumption of the management of the Sherman Nursery Co., east of here, by Harry G. Patton, son of C. G. Patton, the veteran nurseryman of North Iowa, virtually means a merging of the two firms, Patton & Sons and the Sherman Co., says the Waterloo (Ia.) Courier. The total acreage in the merged nursery is 1400, making it one of the largest in the country.

Seed of Wier's Cut-Leaved Maple Revert

We read with interest Mr. Jos. Meehan's weekly notes in The Florists' Exchange. In the issue of June 4 we noted he refers to an inquiry whether seed of Wier's Cut-leaved Maple will come true. We have experimented with them a number of times and they almost invariably reverted to Acer dasycarpum. While occasionally the leaves are slightly dissected we have not secured anything equal to Wieri and by far the greater proportion reverted to the common A. dasycarpum.

WILD BROS. NURSERY CO.

Sarcoxie, Mo.

Spraying Nursery Stock

Summer is often thought to be the nurseryman's leisure time, but the fact is there is lots to do through the whole of that season. The only leisure is in the fact that there is not so much going on in the shipping line, and this does give him leisure to think more of his growing stock than at any other season. In the way of pruning, cleaning and planning for the betterment of his trees and shrubs he has the opportunity for doing it.

Spraying is now looked on as necessary work, to keep stock clear of fungus and insects, and in large nurseries it is a part of the regular work several times through the Summer. Spraying solutions can be had fitted for the season, something that will kill the enemy while not dealing out similar fate to the foliage of the trees. Nearly all preparations have to be of less strength when trees are in foliage than in Winter, but there are mixtures to apply, both for fungi and for insects, that destroy both, so that when selling time comes there is clean stock to offer customers.

For evergreens attacked by red spider, a strong spraying with water alone, often applied, will finish them; but if whale oil soap be added to the water it is much better.

Japanese Walnuts

An Ohio correspondent, in a private letter, mentions some fine specimens of the Japanese Walnut he has—the species, he does not mention—and asks why it is that nurserymen do not grow it as they once did. The tree, he says, is a fast grower and would quickly make a merchantable one for forestry purposes. We had not observed that there was any falling off in the growing or the advertising of this tree; there are, often, firms listing it as, as this correspondent says, it grows fast into a large tree, as do all Walnuts.

There are two of these Walnuts to be had, the Juglans cordiformis and J. Sieboldiana, both producing nuts which some claim to be very good, but which, in the writer's opinion, are distinctly inferior to varieties well known in commerce already. Neither one is the equal of the so called English Walnut, Juglans regia, nor of our native ones, J. nigra and J. cinerea. They do not fill any place at all as well as trees of Juglans we already have. If of more value for timber than the others are, that will be a gain.

There is not much in the way of fruits from Japan that have been of use to us. Her Plums have, and her Persimmons have been valuable to those of our southern States, but not being hardy north of Washington their cultivation is considerably limited. A hardier type of this Persimmon was mentioned in the reports from Washington some time ago, adapted to a more northern range than the others. If of the good flavor of the others, there would be a welcome accorded them.

The Bush Catalpa

The Bungei Catalpa, as the shrubby, bushy one is called, and which is rarely seen other than in the form of a standard, grafted on strong, straight young stock of the C. speciosa or the C. bignonioides, makes an interesting bush grown as a shrub, there being so many positions it fills nicely when so grown. To have good bushes the plants need only to be raised from cuttings—an easy matter as, in common with all Catalpas, this variety is easily rooted from cuttings. The shoots need cutting off in early Winter, made into six to eight inch lengths, buried in sand, in a cool cellar, until Spring, and then planted out in nursery rows, and every cutting may be expected to make a plant. Allowed to grow naturally a plant makes a rounded shape; but if this shape be desired particularly it may be hastened by pruning the plants in the first years of their growth.

It seems strange that this variety—for it is supposed to be a variety of bignonioides and not Bungei at all—never flowers. At least there seems to be the belief that it never does. There are a few very old ones of it in the vicinity of Philadelphia which have never produced a flower as yet, and they are of an age which would have brought flowers on speciosa or bignonioides, had it been either of them. Then again, it is the rule that when trees are grafted, flowering takes place earlier than on seedlings, yet with this in its favor our subject does not flower.

It is not altogether alone in this, however. There is a dwarf form of Viburnum Oxycoccus which acts in the same way, at least, it does in this part of Pennsylvania, and is believed to behave the same way everywhere.

By the way, it is claimed that if the Bungei be budded on tall stocks instead of being grafted, a bud placed on the opposite side of the stem, a much prettier and more uniform head results than from grafting it.

Two Summer-Blooming Trees

All gardeners know of the scarcity of Summer-flowering trees, and that with the close of the month of June there is a dearth of flowers on trees until the Spring months return. Aside from a few trees with almost inconspicuous flowers, such as a few of the Elms, which flower very late in Autumn, there are none of note to bloom in Summer excepting the Sophora Japonica and the Kœlreuteria paniculata. The latter flowers in July; the Sophora a little later. Kœlreuteria has large panicles of yellow flowers; those of the Sophora are a cream color. Both are from Japan. The Kœlreuteria is but a small tree, with more of a shrub style of growth than that of a tree. Grown from seed it rarely makes a straight trunk; instead, its shoots diverge in various directions, and this odd style it keeps up even when of full age. However, it always fills a place on lawns, and in July, when full of its large yellow panicles of flowers, it is much appreciated. After its flowers fade seeds form, which, when ripe, can hardly be told apart from those of a Canna. But these seeds do not need filing before sowing to have them sprout quickly, as do the Cannas; sown early in Spring, they germinate very well. Sophoras in size are the opposite of the Kœlreuteria. They grow slowly, but in time make immense trees, not so much in height as in wide spreading branches. Its leaves, and its twigs too, are of a very deep green color.

Curious pods of seeds follow the flowers of Sophora. These pods contain hard shelled seeds when ripe. Although they usually ripen before the end of the season, in late season they do not; but the European as well as the Japanese houses all carry ripe seeds in stock.

But the Kœlreuteria and the Sophora require the care in transplanting good gardeners give to all trees. They make but few fibrous roots, hence appreciate careful digging and a good pruning at transplanting.



Exochorda grandiflora

Exochorda grandiflora

At one time the Exochorda grandiflora was rather a scarce shrub in collections, because it does not root readily from cuttings, compared with other shrubs; but as those planted grew up and bore seeds, its numbers soon increased, so that today if not in all nursery collections it should be, as seedlings are plentiful.

The Exochorda is one of the most admired of white flowered shrubs in May, which is its season of flowering. The small specimen we photographed gives but a faint idea of the beauty of large specimens ten feet high, which are not uncommon in collections. What it needs to make the best looking shrub is to set it where it can grow untrammeled, and in addition it needs careful Summer pruning to make it bushy. The bush before us in the illustration well represents a specimen that has grown at will. Such bushes are apt to run too much to top growth, which Summer pruning would prevent, by causing them to fill out better at the base.

For some years this shrub was called Spiræa grandiflora, but now it is recognized everywhere as Exochorda. It is very hardy, coming from North China. Another species, serratifolia, is known, but it seems not in cultivation hereabouts.

Junipers and Arborvitæs in Winter

It is not Winter now, but the effects of the last one are still shown on many evergreens, particularly Arborvitæs and Junipers, hence some observations on their Winter management will not be amiss. Whenever heavy snows come, the two kinds of evergreens referred to always suffer badly, being spread apart so much that they do not regain shape until late in Summer, and sometimes not at all. This prevents sales for Spring; and a visit to nurserymen's grounds after a snowy Winter will always show many a specimen of these evergreens quite unfit for selling. In many establishments it is the custom to shake or knock the snow from evergreens after a storm, as it is also on private grounds, and with Firs, Pines and spreading branched trees it often helps them; but when there is no danger of the branches being broken the snow may as well stay on, to assist in keeping away harmful cold and wind.

But the best way to protect Junipers, Arborvitæs and all columnar-shaped evergreens, is to go over them as Winter sets in and tie a string around each near the top, another string at the middle, and perhaps a third lower down, depending on the height of the trees. This string should not be tied tight, but just lightly, so as to keep the branches from falling asunder when snow settles on them. It would take no more time to do this than to knock the snow off them, and there would not be the broken branches which now are often seen. Besides this, snow is a benefit in Winter, and were the trees tied up as suggested their foliage would be the better for the protection the snow would give them, giving good salable stock for Spring.

The wide-awake florist is he who reaches his customers through the trade advertising mediums, catalogs, cards, books, window dressing, railroad display signs, street car signs; all are evidences of the progressive man.

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10,000 BLUE SPRUCE (Koster's), fine plants, 2, 2½, 3, 3½, 4 and 4½ feet in height.

10,000 CLEMATIS, strong, field-grown, all best varieties, at very low prices.

10,000 STRONG ROSES "TAUSENDSCHON," extra strong, long canes; at a bargain.

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Also: BOXWOOD, RHODODENDRONS, AZALEAS, PEONIES, CONIFERS, ROSES, H. P. and others, at very low prices. Standard ROSES, etc., etc. Ask for special quotations. We deal with the Wholesale Trade only. Come and see us when in Europe.

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ROSE STOCK

3000 4-in. **American Beauty,** at 15c. each.
2000 each, **Brides, Bridesmaids, Richmond;** 1000 **Rhea Reid,** 300 **Ivory;** all own root, at 6c. each.

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CHARLES H. TOTTY, Madison, N. J.

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ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000
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1000 Mixed Brides and Bridesmaids, at $30.00 per 1000.
All fine stock, well-grown for own use.

500 Beaute Poitevine Geraniums, 4 inch, $5.00 per 100.
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Brides and Bridesmaids

2½-in. **$2.50** per 100; **$25.00** per 1000

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Ask for catalog.

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2½-in., $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.

Nephrolepis Magnifica, 2½-in., $15.00 per 100.

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R. G. HANFORD, Norwalk, Conn.

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Railway Decoration in France

The Touring Club of France has founded a series of prizes which will be awarded for a competition to which all the station masters of the great trunk lines and of the railways of the Departments are invited to enter. The competition covers two points: 1, the ornamentation of the station grounds and its surroundings with flowers and shrubs; and, 2, The general care bestowed upon them. The sum of $600 has been set aside for 1910, to be divided into five prizes of $20 each, twenty-five prizes of $10 each, and twenty-five chronographs "Touring Club" worth $10 each. The competition will be divided over four years, corresponding to the four zones into which France is divided, and one-fourth of the stations in each zone will compete each year.

This proposition meets with the hearty support of the French horticulturists. Messrs. Bruant, Vilmorin-Andrieux, Rivoire, Levavasseur, among others, have offered discounts of from 10 per cent. to 50 per cent. to the station masters, and the French National Society of Horticulture has consented to give a certain number of awards, and to name a delegate to the jury. The railway companies, likewise, are disposed to encourage the propaganda for the embellishment of the stations with flowers and plants—*Revue Horticole.*

Chemical Fertilizers for Geranium

The advantages of artificial chemical fertilizers, like Chili saltpeter, superphosphate and potassium salts, have been demonstrated in a series of experiments with Geraniums by a writer in Gartenflora, who draws attention to the quick and efficient action of those chemicals as against that of ordinary fertilizers. A handful of Chili saltpeter (nitrate of soda) thoroughly stirred in a large watering pot produces quickly visible results within three or four days. The writer transplanted Geranium cuttings into small pots, set them in a temperate house and after two weeks he watered them twice with the above solution, at an interval of ten days; within four or five weeks after transplanting he had large sturdy plants, though without buds. Then he watered them with a mixture of two handfuls of superphosphate, two small handfuls of 40 per cent. potassium salt, and half a handful of Chili saltpeter. Ten days later the buds appeared, and after another ten days the Geraniums were in full bloom, with many buds. Geranium Meteor, so treated, developed leaves and flowers of abnormal size. The truss came 9" and more across, with single flowers nearly 2" in diam. The leaves retained their color and markings. An Ivy Geranium, so treated, grew to a height of nearly 4 ft. and had many buds and flowers. These fertilizers must however, be used with judgment, as the results with some test plants showed; these received an additional dose of two handfuls of Chili saltpeter when the leaves became spotted with brown, and the tips of the roots turned brown the day after receiving the additional dose. An Ivy Geranium lost the marking of its leaves, which became thick and fleshy. A trial with sulphate of ammonia produced nearly the same results, though the plants did not grow quite so fast, and the leaves of the Ivy Geranium did not turn fleshy nor lose their coloring.

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Lenox (Mass.) Horticultural Society

This Society will hold its annual Summer exhibition at the Town Hall, Lenox, Thursday, July 28. This exhibition consists chiefly of annuals and perennials, Sweet Peas, fruit and vegetables.

GEORGE H. INSTONE, Secy.

The monthly meeting of the above Society was well attended to hear a paper read by J. W. Pybus of the Bellefontaine Gardens on Hardy Perennials. By all present it was acknowledged as one of the best papers ever read, in the annals of the Society, and worthy to rank among the best in the F. E. The essayist is certainly an artist in creating pen pictures, and his effort stamped him as a writer a long way above the ordinary.

Mr. Pybus said this was his first essay delivered in the U. S.; it is our sincere hope that it will be the forerunner of others from his pen in the future. A hearty vote of thanks at the close was carried with much enthusiasm.

FAIR MEASURE.

St. Louis Florists' Club

The July meeting of the Club, which was held on Thursday, July 14, was well attended and Secretary Beneke counted 30 members present when President Windler opened the meeting. The trustees were on hand early, passing good cigars around. Vice-president Connon and Treasurer Smith were reported absent, being off on their vacations.

The Picnic Committee reported that everything was complete for the Club's annual outing and that invitations had been sent out to all the florists in the city and handsome prizes purchased for all events. Chairman DeWever of the Bulletin Committee made a report of their meetings and spoke at length urging the members to vote in favor of issuing the bulletin. The chair called for a discussion on the report, when a final vote was taken and adopted and the committee continued, they to have charge of the first issue.

J. J. Beneke reported for the transportation committee, and said that the railroads have made a rate of $20.40 from St. Louis to Buffalo and return. At the August meeting a route will be decided upon which now seems to be in favor of the Big Four.

Messrs. Beyer and Beneke presented the application of Edward Kelley, president of the Kelley Floral Co., for membership. The investigating committee reported favorably on the application of H. H. Elrick, a florist at Webster, and his election followed.

A communication was read from the Bureau of Conventions asking the Club to join them and the different business organizations to invite the S. A. F. to hold its 1911 meeting in St. Louis. After a discussion, it was decided that no harm could be done, and it was voted to join them in the invitation.

The following were placed in nomination for officers for the ensuing year: G. B. Windler for president, Frank A. Weber for vice-president, J. J. Beneke for secretary, W. C. Smith for treasurer and E. W. Guy and A. H. Ahner for a three years' term as trustees.

Luther Armstrong, one of the oldest members of the Club, was called upon by the Chair for a talk on what this Club was organized for. This was a feature of the meeting. His talk brought out the facts that the issuing of a bulletin was talked of 23 years ago, at the first meeting of the Club. Mr. Armstrong's remarks and the question box, which followed with lively discussions, made this one of the most interesting meetings the members have attended for a long time. At the next meeting, August 11, the election of officers will take place and other interesting features, which should bring out another large attendance.

ST. PATRICK.



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Please mention the Exchange when writing.

Los Angeles, Cal.

A New Establishment Described

Tom Wright, one of our progressive and successful florists, who grows most of his own stock, bought twenty acres of land twelve miles south of town, several months ago, and immediately after the rush of Easter trade got busy improving it. The soil is the kind known as black adobe, of a different texture to the black soil of the Mississippi Valley. It is about as refractory as the heavy limestone soils of some sections of the Atlantic States. Now, this same kind of soil is found on much of the hill section of this State, which accounts for the abundant harvests of grain if enough rain falls to make it tillable before New Year's Day. During our rainless Summers it bakes and the cracks in it are two to six inches over, and two to six feet deep—V shaped, of course. I name these characteristics because it will be helpful to Eastern readers to understand some statements which I shall make further along in these notes.

Method of Obtaining Water

To get back to the Wright place. The first essential in this country to successful floriculture, next to a fertile soil, is water, and an abundance of it. Therefore a well, 300 feet deep, of 12 inch diameter, was bored. The water rose to within 45 ft. of the surface, and the supply is inexhaustible; it is drawn up by a plunger pump with a ten-inch cylinder, two foot stroke, 35 strokes to the minute. The water is pumped into a cement tank of 3000 gallons capacity, and the ingenuity of the superintendent is here displayed in that he uses a small centrifugal pump to fill a 3000 gallon tank on a 40 foot tower; while doing this work extra pressure is given to the water when applied to the plants in and about the greenhouse and lath houses. It is the first instance of this method of handling water that has come under my observation. It is simple, economic, and effective.

An Original Greenhouse Structure

The next move was to put up a glass house. It is 108 feet wide, of four spans, and 300 feet long; seven feet to the eaves; the sides are glass to within twelve inches of the ground I have seen many, many greenhouses in my time of unique construction, but for originality and uniqueness this one stands at the head of the class. First, it has not a foot of foundation. The sides and centre supports are three inch iron pipes set in cement. To these on the outside are fastened, with clamps, twelve inch boards at the ground, and onto these are fastened the wooden sashbars and the twenty-inch glass (butted) puttied in.

The supports on the inside are one and a half inch pipes, also set in cement, which extends above the beds a foot or more to prevent their rusting. The entire structure is stayed with ⅜" rustless wire. In the gable ends of each section are huge sashes, 7 ft. x 9 ft. high, which are removed, when necessary, to drive through the houses with a team of horses and a wagon; this is the first house on this coast I have seen so constructed. In all others the soil and fertilizer must be either wheeled in and out or carried in boxes, a very expensive method where labor is high priced.

This house is set entirely to Roses, in solid beds, and not a pound of fertilizer of any kind has been applied to it, yet a bed of Richmond on Manetti stock, from 3-in. pots has made a growth of 20 in. in 30 days.

At this place is the first successful effort at growing Japan Lilies in the open that I have seen in southern California. They will soon be in bloom. The stems, which are four to seven feet tall, are furnished with foliage almost as dark as the soil in which they grow. No fertilizer of any kind was used when they were planted. The guiding spirit and executive head of this establishmeut is Mr. Frank Speakman, a Chicago boy, who has three valuable assets, sobriety, industry, resourcefulness.

The California Rose Company

Mention has been made in these notes of The California Rose Company of Pomona. A visit to their new location west of that town, recently, was another of those delightful experiences I frequently meet with in this State. They now have 17 acres, solid, in Roses. The rows are 1300 feet long, straight as an arrow, three feet apart, with plants six inches apart in the row. The soil is a sandy loam. Not a pound of fertilizer of any kiud has been applied to it, yet the plants, out of 3-in. pots set out in April, are one to two feet high, according to the vigor of the variety. The first superintendent apologized for the paucity of flowers, yet the field had much the same appearance of Lonsdale's Sweet Pea farm at Lompoc.

C. E. Howland Has Recovered

The president and general manager, C. E. Howland, who had the life uearly kicked out of him several months ago by a spirited colt which he was driving, is able to be around again and look after things in general. There is, however, a limit to the endurance of men, as was demonstrated recently at Reno, Nevada, and this successful, I may say the most successful, propagator of Roses from field grown wood that I have ever met, is no exception to the rule, and for the first time he was obliged to call on his vigorous young superiutendent, Mr. Short, to show me around.

They have an original system of irrigation on their place which will be illustrated by a photograph at some future time. It is the only method by which such devices can be intelligently understood.

California Soil Fertility

The reader will observe that I have emphasized the word fertility when speaking of California soils. To further illustrate this I shall relate the experience of one gardener whom many of the readers of The Florists' Exchange know personally. Four years ago he left Philadelphia and located in Los Angeles, buying a lot on which was a neat bungalow. The thrifty German gardener decided to make the ground produce cut flowers for market, aud, to economize space, planted Sweet Peas along the fence in front as well as at the sides, with the thought in mind that the fence would be tall enough for the support of the plants. They grew—to the top of it—and continued to grow. He got busy and increased the height of the support, and when I went to visit him, along about April first that year, his house was hidden from view by the Sweet Pea hedge, and he was picking the flowers from a six foot step ladder. Those plants did not receive a pound of fertilizer of auy kind. I have met many gardeners astonished with the unexpected results of their labors, but he was the most so of them all and his name is Albert Knapper.

The Renovation of a Park

To Eastern gardeners and landscape architects who may have visited Los Angeles, and seen the crude little Central Park of the city, with its foul smelling public comfort building and bandstand, its benches filled with loafers aud its walks congested with crowds listening to voluble fanatics, political, and religious, it may be a pleasure to learn that our Park Commission has gone to work on it, and is giving it an overhauling preparatory to making it one of the beauty spots of the city. The building will be modern and kept in a cleanly sanitary condition. Many of the trees will be chopped out, yet enough will remain to provide ample shade, to protect the bodies of those who seek the spot for rest from our brilliant sunlight. If the commission can devise some means to protect the ears of those who desire quiet from the senseless speeches of the blatherskites who have in the past infested this retreat, they certainly will be public benefactors.

Our climate is not only favorable for the cultivation of plants and the pursuit of happiness, but it is also the elysium of the mountebank and political and religious hawkers who have more zeal than wisdom. P. D. BARNHARDT.

San Francisco

The State of the Market

Market conditions continue about the same as last week; with prices running on the same scale. It is extremely difficult to give accurate prices of the stock brought in, as very little fetches more than nominal prices and sometimes not even that.

Carnations are none too plentiful and the quality of the blooms varies much. Roses of any quality are also very scarce, although a few nice Beauties are still

Dreer's Palms—Our Leading Specialty

CLEAN, HEALTHY, VIGOROUS PLANTS OF GOOD COLOR AND VALUE

ARECA LUTESCENS

A splendid lot of well-shaped plants, of good color.

2¼-in. pots, 1 plant in a pot, 85c. per doz., $6.00 per 100.
6-in. pots, 3 plants in a pot, 28 to 30 in. high, $1.00 each.
7-in. pots, 3 plants in a pot, 36 inches high, $2.50 each.

COCOS WEDDELIANA

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 inches high, $1.50 per doz., $10.00 per 100.
3-in. pots, 8 to 10 inches high, $2.00 per dozen, $15.00 per 100.
5-in. pots, 18 to 24 inches high, splendid plants, 75c. each.
7-in. pots, 34 to 36 inches high, grand specimens, $2.50 each.

KENTIA BELMOREANA

	Per doz.	100	1000
2¼-in. pots, 4 leaves, 8 to 10 in. high	$1.50	$10.00	$90.00
3-in. pots, 5 leaves, 12 in. high	2.00	15.00	140.00
6-in. pots, 6 leaves, 20 to 24 in. high		$1.00 each	
6-in. pots, 6 to 7 leaves, 26 to 28 in. high		1.50 each	
8-in. pots, 6 to 7 leaves, 42 to 44 in. high		6.00 each	

Specimen plants, 9 to 10 ft. high, in tubs, $40.00.

KENTIA FORSTERIANA

	Per doz.	100	1000
2¼-in. pots, 4 leaves, 8 to 10 in. high	$2.00	$15.00	$140.00
3-in. pots, 5 leaves, 12 to 15 in. high	2.50	20.00	175.00
6-in. pots, 6 leaves, 28 to 30 in. high		$1.00 each	
6-in. pots, 6 leaves, 34 to 36 in. high		1.50 each	
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high		5.00 each	
10-in. tubs, 6 to 7 leaves, 72 in. high		10.00 each	
11-in. tubs, 6 to 7 leaves, 84 to 90 in. high		16.00 each	

The following are exceptionally heavy and valuable decorative plants.

		Each
14-inch tubs, 6 to 7 leaves,	7 to 7½ feet high	$25.00
15-inch tubs, 6 to 7 leaves,	7½ to 8 feet high	30.00
16-inch tubs, 6 to 7 leaves,	8 to 8½ feet high	35.00
16-inch tubs, 6 to 7 leaves,	10 to 11 feet high	40.00
16-inch tubs, 6 to 7 leaves,	11 to 12 feet high	50.00



Cocos Weddellana

MIXED FERNS FOR DISHES

We have at all times a good supply of these.
2¼-inch pots, $3.50 per 100, $30.00 per 1000.

KENTIA FORSTERIANA—Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 inches high	$2.50
7-in. tubs, 3 plants in a tub, 38 inches high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 inches high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 inches high	6.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 6 ft. high	10.00
12-in. tubs, 3 plants in tub, 6½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00
16-in. tubs, 3 plants in a tub, 7½ to 8 ft. high	25.00

KENTIA FORSTERIANA

Special Bargain for Decorators.

We have a block of large plants of this variety in 8-inch tubs, 4½ ft. high with 6 to 7 leaves which we offer at the exceptionally low price of $4.00 each, because some of the leaves have been slightly clipped. While they cannot be offered as perfect, they are healthy and vigorous, the later leaves being perfect and not clipped.

LIVISTONA ROTUNDIFOLIA

We offer a fine lot of this desirable miniature Fan-Palm.
2¼-inch pots, $1.50 per doz., $10.00 per 100.
3-inch pots, 2.00 per doz., 16.00 per 100.
4-inch pots, 3.60 per doz., 25.00 per 100.
5-inch pots, $6.00 per doz., (nicely characterized.)

PHŒNIX RUPICOLA

Good 6-inch pots ..... $1.50 each
Good 8-inch tubs ..... 2.50 each

PHŒNIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer 3-inch pots, nicely characterized, $3.50 per doz., $26.00 per 100.
4-inch pots, nicely characterized, 60c. each.
5-inch pots, nicely characterized, $1.25 each.
6-inch pots, nicely characterized, 2.00 each.
We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $60.00 each.

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy, it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

being brought into the market; Bruners are about the best sort to be had at the present time. Some nice Lily of the Valley is being disposed of at good prices. Orchids are scarce and blooms of any description hard to get. In the cheaper grades of flowers we have a large selection which includes Centaurea cyanus, Gladioli in several sorts, Gypsophila elegans, G. paniculata, Sweet Peas, Dahlias, Asters and quite a selection of outdoor Liliums.

Pot plants are more in evidence than they have been for some time past and some good sales in this line have been made. There is quite a demand for Palms in all sizes and a nice selection of Ferns in pots is to be seen in the stores. A few nice Crassulas were obtainable as also some well flowered Pelargoniums.

In green goods we have an abundant supply with prices about normal.

Various Notes of Here and There

John McLaren, the popular superintendent of Golden Gate Park, has secured a new automobile, a "Thomas Flier," for his use in the park.

Frank Roach of Menlo has planted two of his houses with Roses; he intends filling another with American Beauty.

Frank Mills, the University florist at Palo Alto, has started to bench his Carnations and is now filling and replanting his benches as fast as he gets the old stock cleaned out. The Chrysanthemums at this place are looking remarkably well, a fine lot of early sorts being especially noticeable.

Sydney Clack, of the Mayfield Nurseries, still continues to cut heavily out of his Carnation houses; in fact some of the finest Carnations in the market are brought in by this well known grower.

Charles Frost is spending his vacation at Mount Shasta; he intends to be away for a month.

The Bay Shore Nursery Co. of Millbrae have sold their extensive plant at that place to V. Mataria of the Art Floral Co., who will run the place in the future. It is the intention of Mr. Mataria to grow Roses and Carnations principally.

A. H. Davidson, superintendent of Cypress Lawn Cemetery, has returned to town from an extended trip through the northern States.

The MacRorie-McLaren Co. is making rapid headway on its new plant at San Mateo. The potting and packing shed, when completed, will be the largest and most perfectly equipped one of its kind west of Chicago.

Mr. Shinoda of Alameda is erecting three new greenhouses at his Fitchburg place.

One of the finest displays of Geraniums in the State is to be seen at the Cyprus Lawn Cemetery these days. Thousands of these plants are used there for bedding purposes and one's eyes are simply dazzled with the brilliant display of color.

The Oakland Hort. Society has decided to hold its annual picnic in conjunction with the Pacific Coast Hort. Society, July 18, thereby getting the benefit of the reduced rates to Santa Cruz on that date.

The Garden City Pottery Co. dispatched several carloads of pots last week to various growers in San Francisco and vicinity. Business has been rushing with this concern for some time past.

A large carload of Japanese Maples was received last week by Alexander Kerr who has charge of the planting operations on the J. H. Spring estate.

Geo. E. Pape of Berkeley, the well known horticultural builder, is engaged at present on several contracts for the erection of greenhouses in San Mateo and surrounding districts. Mr. Pape's specialty is iron and steel frame construction.

The E. Gill Nursery Co. of West Berkeley have over 150 acres in Roses this year. Quite a nice lot of stock is to be seen at their new nursery at San José, and at present all hands are getting ready for the budding season.

D. Hopkins, until lately employed with the Spring Valley Co., has taken a position with the MacRorie-McLaren Co. at San Mateo.

Domoto Bros. intend to go in strong for Carnations this year; a recent visit to their nurseries at Elmhurst showed a large stock in the field, all in splendid shape and ready for benching. Chrysanthemums are quite a specialty and several houses are devoted to them alone. Especially noticeable was a fine collection of Japanese trees and shrubs, in tubs, all in a nice healthy condition.

The coming picnic of the Pacific Coast Hort. Society is all the talk at present among the gardeners and florists of San Francisco and vicinity; present indications point to it being the most successful outing ever held by that Society.

The Elmhurst Floral Co. has rented a large store at 512 Thirteenth st., Oakland, where they will have their headquarters in the future.

The need of public play grounds in the outlying districts of San Francisco was so greatly emphasized by the thousands of children who assembled in the Mission Park on Independence Day that the Mission Promotion Association has renewed its campaign to provide recreation facilities in that district.

The MacRorie-McLaren Co. have secured the contract for planting a two hundred acre tract with choice trees and shrubs, for the Realty Syndicate of Oakland.

WM. MCM. BROWN.

St. Louis

Clarence Peterson of Cincinnati spent Monday, July 18, in the city selling the new Begonia Glory of Cincinnati to growers.

Messrs. Smith, Gorley and Windler, who spent the past week at Detroit with the Elks, have returned home and report a good time. All three called on Mayor Breitmeyer, who gave them the freedom of the city.

Mr. and Mrs. John Connon departed for a few weeks' vacation to Panetang, Canada. Mr. Connon's brother Charlie will look after the business in his absence.

Jos. Witek, head of the designing department at Mrs. M. M. Ayers, has returned from a two weeks' vacation. Mr. Witek was formerly with the Brix Floral Co.

The C. Young & Sons Co. held a stockholders' meeting on Tuesday of last week, July 12, and elected the following officers: James Young, president; Harry Young, vice-president; W. C. Young, secretary, and Charlie Young, Jr., treasurer. They are now working on their Fall catalog.

Mr. and Mrs. Henry Berning were traveling in Texas last week and this week are in New Mexico. They will return the latter part of the month.

The Bentzen Floral Co. have contracted for decorating all the booths in the big Coliseum for the different merchants who will exhibit at the North St. Louis Business Men's League Show there next week.

Mr. McPheron of Litchfield, Ill., spent Saturday, July 17, in the city calling on the trade. Mr. McPheron reports that the season just closed was a most successful one.

Chas. W. Fullgraf, forester and landscape gardener, has moved his office from the Frisco building to the big Chemical building at 8th and Olive sts. Mr. Fullgraf reports a splendid season in landscape work and is busy now attending to fine trees on big private places about the city.

Mrs. A. C. Stewart, florist under the Planter's Hotel, has closed her store for the Summer.

At the commission houses everybody is talking picnic this Monday morning, July 18, and the prediction is that if Thursday is a fine day, there will be a record breaking attendance. The trustees, Messrs. Bentzen, Schoenle and Ostertag, perfected details at their meeting Sunday and they are looking forward to the best outing the Club has yet given.

ST. PATRICK.

Catalogs Received

J. M. THORBURN & CO., New York.—Wholesale Trade Price List of High-class Bulbs for Forcing and for Outdoor Planting. Illustrated.

HUBERT & CO., LTD., Guernsey, England.—1910 Trade Catalog of Guernsey Bulbs, also Tuberous-rooted, Herbaceous and Decorative Plants.

HENRY F. MICHELL CO., Philadelphia, Pa.—Michell's (1910) Summer Catalog. Clearly printed and profusely illustrated. The catalog opens with a choice list of pot-grown Strawberry Plants, followed by Vegetable Plants, Roses, Carnations, Vegetable Seeds, Farm Seeds, Grass Seeds, Flower Seeds, Fall, Winter and Spring-flowering Bulbs, Tools, Implements, etc.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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Telephone 3765-6 Beekman

PRINCIPAL OFFICES

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Boston: Robert Cameron, Cambridge, Mass.

Philadelphia: Appointments can be made or letters addressed to Jos. H. Sperry, our representative, care of Keystone Hotel, Market st., near 16th, for Mondays and Tuesdays.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Index to Florists' Exchange, Vol. XXIX

This index, covering the period from the first issue in January to the last issue in June, 1910, will be shortly ready for distribution. It will contain a complete reference to all matters of interest which have been mentioned during the past six months and we should like every subscriber who keeps full files of the EXCHANGE to have this Index. Subscribers desiring a copy of the index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

The American Rose Society's August Meeting

More members of the American Rose Society have paid up their dues the present year than any time since the Society was organized; we have plenty of room for more; for the larger the revenue the better the work.

The Toronto Horticultural Society sends us word that it is very gratifying to receive from the American Rose Society the bronze and silver medals which have been forwarded to them as prizes to be offered in the city of Toronto; these medals certainly create an interest wherever they are received.

In making a long tour recently it was remarkable how many places were seen most beautifully decorated with Rambler Roses. The use of this type for decorating any odd spots is certainly growing.

The florists of Rochester are making a strong effort to have a great show for the S. A. F. in August; the American Rose Society will call a meeting during the Convention. President Elliott will do all that is in his power to push the Society along, following in the footsteps of the able men who were his predecessors.

A matter of some importance to be brought up for consideration at Rochester will be the looking forward to special prizes to be offered at the Spring show of 1911. The American Rose Society, in the combined show of all flowers, wants to take the lead. Probably sixty per cent. of all flowers raised for sale in America are Roses and what we want to do is to get in advance enough people interested to make the Rose show in 1911 the best exhibit that can be produced. We would like to have prizes enough to warrant drawing exhibits from every point within transportable distances.

BENJAMIN HAMMOND, Sec'y.

Fishkill-on-Hudson, N. Y., July 16, 1910.

Information Wanted

The editor of The Florists' Exchange would appreciate the receipt, from some subscriber who knows, of the botanical names for the following common English colloquial names of plants:

Blue-eyed Susan, Johnny Go-to-bed, Baby-in-Cradle, Sweet Mary, White Mountain Daisy.

The American Carnation Society

Secretary A. F. J. Baur, with address at Indianapolis, Ind., requests assistance of EXCHANGE readers in obtaining the present addresses of the following members of the A. C. S., letters addressed to them having been returned to his office: E. Frandsen, Chicago, Ill.; L. D. Bryant, Cambridge, Mass.; Alfred Waters, Providence, R. I.; H. Brown, Richmond, Va.; J. A. Jensen, Chicago, Ill.; Gunnar Teilman, Marion, Ind.; J. Bennett, Montreal, Quebec; John Williams, Danville, Ill.

Anyone knowing the correct address of any of these gentlemen will confer a favor by notifying the secretary.

The American Gladiolus Society

President I. S. Hendrickson informs us there is every indication that the first exhibition of Gladioli blooms, under the direction of the Society, will be very successful, and it is hoped that everyone interested in Gladioli will lend their aid in making this an unusual success. The membership is now about 110. The officers would like to double this before the annual meeting in August. The way to bring this about is to send an application now. Annual dues, $2. No initiation fee charged those who join before the August meeting.

H. H. Groff of Simcoe, Ontario, has offered an award of $10 for the best Gladiolus exhibit in white and light, dark, blue, and yellow hybrids; not more than three spikes of each variety, and not less than one vase of each color section. This offer was sent in too late to be printed in the schedule which has just been distributed, but those who wish to compete for this prize will enter same as No. 15, open class. Please forward your entries as soon as possible. L. MERTON GAGE, Cor. Sec'y.

Orange, Mass.

Society of American Florists and Ornamental Horticulturists

PRELIMINARY PROGRAM

Twenty-Sixth Annual Meeting and Exhibition

Rochester, New York, August 16-19, 1910

Tuesday, August 16, 1910

Opening Session

2:00 p. m. Address of Welcome—His Honor, H. H. Edgerton, Mayor of Rochester.
Address of Welcome—Geo. Deitrich, President Chamber of Commerce.
Response—Mr. Robert Craig.
President F. R. Pierson's Address.
Reports of Officers, Committees, etc.
Report of Committee on President's Address.
Discussion.
Miscellaneous Business.
Judging of Trade Exhibits.

Evening Session

7:30 p. m. President's Reception.

Wednesday, August 17, 1910

Morning Session

9:30 a. m. Use of Cement with Especial Reference to Greenhouse Construction—Edward D. Boyer, Cement Expert, Atlas Portland Cement Co.
Discussion.
Value of Experiment Stations to Ornamental Horticulture—W. N. Rudd.
Discussion.

11:00 a. m. Selection of Next Meeting Place.
Nomination of Officers for 1911.
Report of Judges of Trade Exhibit.
Annual Meeting Ladies' Society of American Florists at Seneca Hotel.

Afternoon Session

2:30 p. m. Retail Florists' Association—J. A. Valentine.
Discussion.
The National Flower Show—Wm. J. Stewart.
Discussion.

Evening Session

8:00 p. m. Illustrated Lecture, John Dunbar, Assistant Superintendent of Parks, Rochester, N. Y.

9:00 p. m. Ladies' Reception at Seneca Hotel.

Thursday, August 18, 1910

Morning Session

9:30 a. m. Sectional Meetings.
Retailers' Section.
American Carnation Society.
American Rose Society.
National Sweet Pea Society.
Florists' Hail Association.
Gladiolus Society.

11:30 a. m. Election of Officers. Polls to remain open two hours.

Afternoon—No Session

Bowling Contest and Other Sports.

Evening Session

8:00 p. m. Symposium on Greenhouse Heating—Speakers to be announced later.
Discussion.

Friday, August 19, 1910

In the hands of the Rochester Florists' Club.

TRAVEL ARRANGEMENTS TO CONVENTION

New York to Rochester

A special train has been engaged by the N. Y. Florists' Club and the route will be via Lehigh Valley R.R. Train will leave West 23d st. (Penn. Ferry) at 9.40 a.m., Cortlandt and Desbrosses sts. and Hudson Terminal at 9.50 a.m. Monday, Aug. 15. The going fare to Rochester will be $7.00; certificates should be obtained from ticket agent which will entitle the holder to return for $4.20, with additional payment of a fee of 25c. for visé of certificate. Tickets on the certificate plan may be obtained at any of the Lehigh Valley R.R. depots—30 Flatbush ave., Brooklyn, 140, 355 or 1460 Broadway, New York, from August 12 to 17. Return tickets will be good until August 23.

All members of the S. A. F. and their friends are heartily invited to travel as guests of the N. Y. Florists' Club and the transportation committee, on this important occasion.

The N. Y. F. C. committee has engaged the sixth floor of the Seneca Hotel, Rochester, N. Y., for the accommodation of the members of the Club and their friends. This hotel is the most modern and up-to-date in the Flower City, will be S. A. F. headquarters, and is within easy walking distance (about four blocks) of the Convention Hall and Exhibition.

The transportation committee will have a diagram of the floor and rooms on the train, so that assignments can be made and reservations allotted, saving much time and worry on arrival at Rochester. Rates are from $1.50 per day up (European plan), according to location.

All members of the N. Y. Florists' Club and S. A. F. & O. H. and their friends who travel on this train are cordially invited to be the guests of the transportation committee for dinner at the Glen Summit Springs Hotel, Glen Summit, Pa., where the train will stop for one hour at about 1.45 p.m.

It is advisable, and particularly requested that members, their friends and delegates, notify the committee as early as possible as to their intention and number of the party who will travel with us on this special train de luxe.

Entertainment and refreshment will be a special feature on this train as usual.

Applications should be made to any of the following gentlemen:

Frank H. Traendly, 131 W. 28th st., New York City.
John Young.
Harry A. Bunyard.

Transportation committee, N. Y. Florists' Club.

Baltimore and Washington to Rochester

The Lehigh Valley R. R. will attach an extra parlor car to its Black Diamond express on account of the florists from Washington and Baltimore if there are 25 or more people going, and will run the car from Baltimore through to Rochester Jct., where connections may be made for Rochester. This train leaves Baltimore, Camden Station, 9.50 a.m., at Mt. Royal 9.54 a.m., connecting with the Lehigh Valley R.R. at Wayne Jct., and arriving at Rochester 9.15 p.m.. This will give a daylight run over the scenic Lehigh Valley R.R. If the Washington and Baltimore parties combine as one, the Washington party can leave their city at 9.00 a.m. and take the parlor car at Baltimore.

A special rate of a fare and three-fifths, on the certificate plan, has been granted for this occasion. This will make the rate going $8.35, returning, $5.05, plus 25c. for vising tickets, making a total of $13.65 for the round trip. Tickets will be sold and certificates issued August 12 to 17, and will be good to return until August 23. If a sufficient number will get together to occupy the entire space in the car, same will be placed for their exclusive use. The parlor car rate Baltimore to Rochester Jct., is $2.25.

(Other travel arrangements are noted in city letters)

Exhibitors Entered to Date at Trade Exhibition

Mr. Chas. H. Vick, superintendent of the Trade Exhibition of the S. A. F. at the forthcoming Rochester Convention, has kindly favored us with the following list of exhibitors who have taken floor space. Additional applications for space are being made daily.

Advance Co., The, Richmond, Ind.
American Blower Co., Detroit, Mich.
Anderson, S. A., Buffalo, N. Y.
Apelt, Chas., Comfort, Texas.
Art Bronze Mfg. Co., Chicago, Ill.
Ball, Chas. D., Holmesburg, Philadelphia, Pa.
Ball, Lemuel, Wissinoming, Philadelphia, Pa.
Bayersdorfer & Co., H., Philadelphia, Pa.
Betscher, C., Canal Dover, Ohio.
Binley, A. J., Glens Falls, N. Y.
Blake, B. S., Rochester, N. Y.
Boas & Co., Wm. J., Philadelphia, Pa.
Bobbink & Atkins, Rutherford, N. J.
Boddington, Arthur T., New York City.
Brague & Son, L. B., Hinsdale, Mass.
Brown Co., The E. C., Rochester, N. Y.
Brown Bros. Co., Rochester, N. Y.
Childs, John Lewis, Floral Park, N. Y.
Climax Mfg. Co., Castorland, N. Y.
Conard & Jones Co., West Grove, Pa.
Cowee, Arthur, Berlin, N. Y.
Craig Co., Robert, Philadelphia, Pa.
Crawford, N. L., La Grange, Ohio.
Detroit Flower Pot Co., Detroit, Mich.
Dreer, Henry A., Philadelphia, Pa.
Eble, Chas., New Orleans, La.
Eichholz, H., Waynesboro, Pa.
Ellwanger & Barry, Rochester, N. Y.
Elverson Pottery Co., W. H., New Brighton, Pa.
Foley Mfg. Co., The, Chicago, Ill.
Garland Co., Geo. M., Des Plaines, Ill.
Hammond, Benjamin, Fishkill-on-Hudson, N. Y.
Hart, George B., Rochester, N. Y.
Herendeen Mfg. Co., Geneva, N. Y.
Hews & Co., A. H., Cambridge, Mass.
Ionia Pottery Co., Ionia, Mich.
Jackson & Perkins, Newark, N. Y.
Kessler Bros., New York City.
King Construction Co., N. Tonawanda, N. Y.
Koerner, H. W., Milwaukee, Wis.
Kroeschell Bros. Co., Chicago, Ill.
Kuhl, Geo. A., Pekin, Ill.
Lager & Hurrell, Summit, N. J.
Long, Daniel B., Buffalo, N. Y.
Lord & Burnham Co., New York City.
MacFarland Publicity Co., Harrisburg, Pa.
Mallory & Bridge, Lake Mills, Wis.
Manda, W. A., South Orange, N. J.
Mann Co., H. D., Syracuse, N. Y.
Michell Co., Henry F., Philadelphia, Pa.
Moninger Co., John C., Chicago, Ill.
Morehead Mfg. Co., Detroit, Mich.
National Clock & Electric Mfg. Co., St. Louis, Mo.
Neidinger, Jos. G., Philadelphia, Pa.
Pennock-Meehan Co., S. S., Philadelphia, Pa.
Peterson, J. A., Cincinnati, O.
Pierson Co., F. R., Tarrytown-on-Hudson, N. Y.
Reed & Keller, New York City.
Rice & Co., M., Philadelphia, Pa.
Roehrs Co., Julius, Rutherford, N. J.
Schloss Brothers, New York City.
Shaw Fern Co., Pittsfield, Mass.
Stewart, E. E., Rives Junction, Mich.
Storrs & Harrison Co., Painesville, Ohio.
Stumpp & Walter Co., New York City.
Syracuse Pottery Co., Syracuse, N. Y.
Taylor Steam Trap Co., Battle Creek, Mich.
Tracy, B. Hammond, Wenham, Mass.
Vaughan's Seed Store, Chicago, Ill.
Vick's Sons, James, Rochester, N. Y.
Vick & Hill Co., Rochester, N. Y.
Wertheimer Bros., New York City.
Wilson-Hoyt Co., New York City.

S. A. F. and O. H.

Registration of Fern.

Public notice is hereby given that Kessler Bros., 52 W. 28th st., New York, and G. Dreyer, Woodside, L. I., offer for registration the Fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.—A sport of Nephrolepis Bostoniensis and of the Scottii type; of compact growth with flat leaves of dark green color. The fronds are narrow and droop over the pot when the plant is full grown.

Name.—"Nephrolepis Dreyerii."

H. B. DORNER, Secretary.

July 14, 1910.

Obituary

Mrs. Nathan Smith

We are pained to have to announce the death of Mrs. Nathan Smith, the mother of Elmer D. Smith, of Adrian, Mich. Mrs. Smith had been a resident of that city for fifty-three years, and her death occurred suddenly at Rochester, Mich., whence she had gone to visit her niece, Mrs. Esther Winegar. Mrs. Smith was nearly 87 years of age and was the daughter of Mr. and Mrs. Archibald Green, pioneers of Flint and Genesee counties, who came there from New York State. She was only a little girl when the trip West was made by her people. Mrs. Smith was married at Southfield, which later became the home of the family, and the first year of her married life was spent near Birmingham. Her husband, Nathan Smith, was a cabinetmaker and joiner by trade and worked in Detroit, the family home being there for 15 or 16 years after leaving Birmingham.

Mr. Smith worked at his trade after they came to Adrian, and Mrs. Smith presided over the home and busied herself with her plants and flowers as an expression of an inherent love. From a conservatory, which was first a part of her home at 167 West Maumee st., have developed the greenhouses of Elmer D. Smith & Co., wholesalers, at 167-175 West Maumee st., and formerly conducted by Nathan Smith & Son. Mr. Smith with the growing demands of the greenhouse business finally gave up his trade to assist Mrs. Smith, and together they developed the work step by step, assisted by the son, who later took over the management and who has made such a wonderful success in Chrysanthemum development as to win national recognition.

To Mr. and Mrs. Nathan Smith were born two sons, the elder of whom, Alfred Smith, enlisted in the 18th Michigan Infantry and died of pneumonia caused by exposure while in the service, and Elmer D. Smith, previously mentioned. Nathan Smith died three years ago.

Mrs. Smith's time was largely taken up with her home and business interests while health and years permitted of her activity. The remains of Mrs. Smith were taken to the family home at 167 West Maumee st., where the funeral services were conducted Friday, July 14. Burial was at Oakwood Cemetery.

AGATHAEA COELESTIS MONSTROSA.—This is an improvement on Agathæa coelestis, which is variously known as Cape Aster, Blue Cineraria or Blue Marguerite in its habitat the Cape of Good Hope, where it is in flower nearly the whole year. Everything is vigorous and comparatively monstrous in this new plant, from the stems to the flowers and leaves, though it does not exceed the average of a good pot and border plant, growing to a height of nearly 14 ins. The flowers are twice as large as those of the parent plant, and, being more firm and harder, they will keep longer when cut. If sowed early in Spring, plants will begin to bloom in May and continue into the Winter. The seed may be had from M. Herb, seedsman of Naples, Italy.—*Moeller's.*

Our S. A. F. Rochester Convention Number will be issued on SATURDAY, AUGUST 13, 1910

READERS of The Florists' Exchange, likewise the advertisers in its columns, are well acquainted with the useful, valuable and highly interesting issues which we produce at Convention times.

Our Rochester Number will be on the same lines of generous illustration and requisite information, and will be prized as a souvenir long after the Convention itself has passed into history.

Intending exhibitors at Rochester, as well as the many business men who will not be represented there in the Trade display, will surely find a liberal advertisement in our issue of August 13 a splendid paying investment.

Your patronage is respectfully solicited.

Copy for this Convention Number will be received up to Tuesday evening, August 9

ROCK BOTTOM ADVERTISING RATES

One Dollar an inch

10% off for four issues; 25% off on annual contract or on agreement to use 100 inches within one year. Full Page, $35.00; Half Page, $18.00; Quarter Page, $10.00. Special Position: One dollar an inch, every issue.

Iris (Pogocyclus) Iberica × Macrantha

At the Hybridization Conference held in London in 1906 Mr. C. G. van Tubergen of Haarlem, Holland, announced that he had obtained an interesting new Iris, a cross of Oncocyclus Iberica and Pogoniris germanica macrantha; but unfortunately it produced only a very few flowers in the damp and cool climate of that country and for this reason it has not yet been put on the market. Two years ago, however, a French grower, M. F. Denis, of Balaruc-les-Bains in southern France obtained one of these crosses; favored by the hot and dry climate of that region, it proved to be a novelty of the first rank. In 1909 it bore three stems with flowers, and in April of this years (1910) it bore eleven. M. Denis describes it as follows in the Revue Horticole: "The leaves are somewhat light green, soft and pendent, about 18 in. long and 4-5 in. wide. The flower stems are erect, about 24 in. long and generally trifurcated. The flowers are large, varying from 6.3 to 7.4 in. across from tip to tip of the petals. The standards are lilac purple in color; the falls are somewhat darker, rarely curved, and in cup-shape. They have at the base a thick beard of long, dark brown hair. Spot nearly black in the center, like that of most of the Iris oncocyclus. The plant is very vigorous, a free bloomer and simple to grow. It wants a good soil rich in calcareous matter. Water it when the vegetation stops (in October here), more sparingly when the flowers are gone, and not at all when the leaves turn yellow. It wants, in fact, a good resting period, though less than the Oncocyclus. This hybrid is certainly by far the best of all that have been so far obtained from the crossing of Oncocyclus and Pogoniris. It will give full satisfaction in any climate that is somewhat hot and dry in the Summer, and it requires no protection in the Winter. Various attempts at hybridization with this Iris Iberica-macrantha, either as pollen-bearer or as seed bearer, have been unsuccessful."

Purchasers of Stock advertised in these columns are kindly requested to mention F. E. when they order.

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

The complete and detail sections shown in Fig 46 illustrate a house of all wood construction, 20′ wide, the various members of same being numbered in accordance with the sections shown in Fig. 45. The eaves plate 9, on both sides of the house are supported on 3″ x 4″ wood posts consisting of Cypress, Cedar, Chestnut or Locust; these posts should be placed about 8′ apart and must extend into the ground about 3′ or to solid bottom.

The eaves of the house are placed at sufficient height to allow about 24″ of glass above the sill where solid glazing is used; this is shown on one side of the house, the other side being furnished with a vent sash about 2′ wide; this is hinged to header 11 which is secured to the underside of eaves plate.

The solid glazing sill 12 and sash sill 13, is notched to fit over the posts and is securely nailed to same at a point on a line with the top of the beds, as shown in section.

The side of the house, extending from sill to baseboard 15, is constructed with novelty siding No. 25, and is secured to the inner siding which consists of 7/8″ tongued and grooved ceiling G, placed vertically between the baseboard and sill; between the ceiling and novelty siding should be placed heavy asphalt paper H, and the whole securely nailed together.

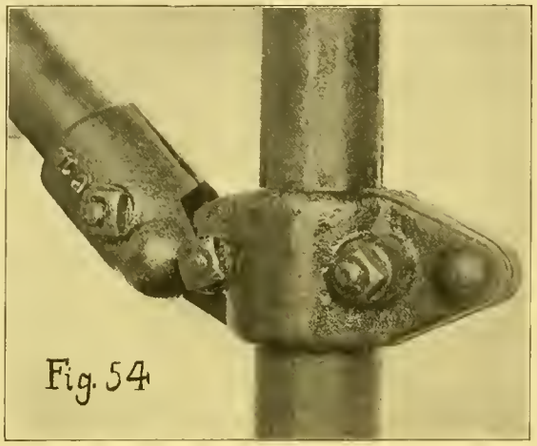


Fig. 54

As before stated, it is better not to have the novelty siding too wide, not over 6″ or 7″ over all; this will present a face of about 5½ to 6½″. After the posts are set they should be marked with a level line and cut off at the desired height, care being taken to see that the posts are plumb; this will insure the eaves plate, which sets on same, being level and in proper alignment.

The ridge and cap shown is the same as in No. 1, Fig. 25, and is supported on 1¼″ pipe columns L placed about 8′-3¾″ apart., which would be the center of every sixth roof bar if 16″ wide glass is used.

Roof or glazing bars 17 extend from the eaves to the ridge at a pitch of 7″ to the foot. this would require a bar about 11′-8″ long, the nearest stock length being about 12 ft. These roof bars should be supported by two lines of wood purlins 31. As shown these purlins are so placed that the length of the roof bar from the eaves to the purlin will be about 7 ft. Each of the roof bars should be securely nailed to the purlins.

Fig. 47 shows a detail of the wood purlin 31 and connection to side struts S; this strut is composed of 1″ pipe and is provided with a cap same as that shown in Fig. 39, which is secured to the purlin 31 by means of ¼″ x 2″ lag screws.

The two side struts S are connected to the 1¼″ columns by means of a ball and socket castings K, shown in illustration Fig. 54, and, as will be seen these castings, are of the "grip tight" pattern. The portion which clamps to the 1¼″ columns is provided with two balls which fit into the sockets of the castings clamped to the struts S; in this way the struts can be set at any angle desired. In the illustration only one of the clamp castings for the strut S is shown in place, the other casting has been omitted so as to show the ball on the main casting. These castings make an especially strong, durable and adjustable connection. There are several kinds of castings manufactured for this purpose, most of which have been found satisfactory.

The machinery for operating the gears for opening the roof ventilating sash are secured to one of these center columns by means of the clamp arms W and the hand wheels C on worm rods R for operating machinery should be located convenient to walks as shown.

Should it be desired to support the roof of the house by means of two side columns, instead of the center columns and struts, this can be accomplished by the arrangement shown in Fig. 48, in which case the two columns L will consist of 1″ pipe, and will be fitted with two purlin caps similar to 39, which would support the two wood purlins 31. These two posts should be set far enough apart to come just inside the facia of the center bed and should be tied together by means of a 1″ pipe tie T, as shown, which would be secured to the columns by means of the "grip tight" tees 41. In this case it would be necessary to provide a separate column to support the ventilating gears.

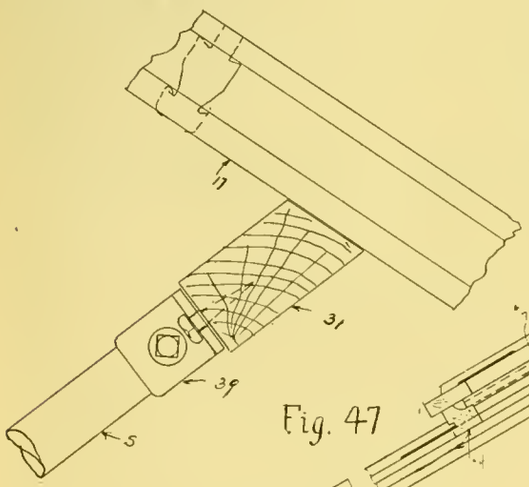


Fig. 47

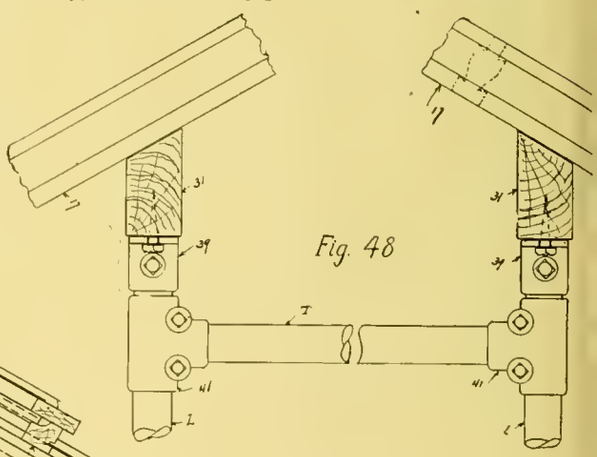


Fig. 48

Fig. 46

The roof of the house is shown provided with two lines of ventilating sash opening at header 4, and with one line of side ventilating sash; these are simply shown to illustrate the roof and side ventilation as the requirements of the crop would govern the amount of ventilation to be provided, and the judgment of the grower would decide in regard to the roof ventilation sash whether it would be wise to allow the sash to open at header or at the ridge; the details of the construction for the latter method will be illustrated later.

Each of the roof ventilating sash shown on section would be secured to the ridge cap and each of the side sash would be secured to the vent header 11, with 3″ galvanized iron butts with brass centers.

Among the Growers

MADISON, N. J.

(Continued from page 98)

A. P. Smith

This range consists of six greenhouses, 10,000 ft. of glass, heated with both hot water and steam, devoted to Roses. Two of the houses are used for Richmond, two for pink Killarney, one for white Killarney and one for My Maryland. Own root Roses only are used, grown on raised wooden stages. One house of Richmond is carried over, and in the other houses young stock is used. In renewing the walls of the houses concrete has been substituted for wood. It may be noted that among the growers, everywhere, when new outer walls are needed concrete is used.

The cut of flowers from this range is shipped to Moore, Hentz & Nash, 55 W. 26th st., New York. Edward Behre is superintendent of the range.

L. M. Noe Estate

Conditions will be better understood if the three Noe ranges at Madison are described under three separate heads, though they are all under the same general superintendence.

On the L. M. Noe estate are eighteen three quarter span houses. These are heated both with hot water and steam, the former being used for Winter, and the latter for Spring and Fall chiefly. Raised benches of pecky Cypress, on the stage system, are used. Two of the houses are used for growing Asparagus plumosus, and sixteen for Roses. In fourteen of the Rose houses, American Beauty Roses are grown on the center benches, and Bride and pink Killarney on the side benches. Two entire houses are used for Bride. All of the American Beauty are young plants, as are also the Bride, but the Killarney plants are two and three years old. The cut of blooms at present is composed principally of American Beauty and Killarney. All of the plants are in very nice condition.

L. A. Noe

Stepping across a private road from the L. M. Noe estate a visitor finds himself in the L. A. Noe range of seventeen three-quarter span Rose houses, with 100,000 ft. of glass, which is 20,000 ft. more than in the L. M. Noe estate range. This range is also steam and hot water heated, with benches of similar style to those in the L. M. Noe range, except that in two houses the Wilson-Hoyt concrete benches are used.

In fifteen houses of this range American Beauty Roses are grown on the center benches, and Bride and Bridesmaid on the side benches, and two entire houses are used for pink Killarney.

Ice cut from their own ponds is used in all the ice boxes of the Noe ranges.

Fifteen exhibits last Autumn, at different flower shows, resulted in twelve first prizes for American Beauty, Bride, Bridesmaid and Killarney Roses.

The Roses at all of the Noe ranges are grown on their own roots, and the work of planting the young plants at each establishment is being pushed. Many are already benched. All, without exception, show the very best of culture.

The representative of the EXCHANGE is indebted to J. F. Ruzicka, who is superintendent of all three of the Noe ranges, not only for courtesies shown at the two ranges already mentioned but for a ride in his auto to the Noe Farm range, where he had the pleasure of meeting Mr. L. A. Noe, and later to the great dairy.

The carried over Roses at the Noe ranges are treated as follows: The plants are cut back severely, and taken out of the benches, from which all the soil is removed. The benches then, after the usual cleaning, are filled with the new soil, the lifted plants replaced and started into a new growth.

Noe Farm, Inc.

This is a new range, and everything here shows great activity in the building line. Three new houses, each 45x250 ft., are being erected. A boiler house, 60x40 ft., is being built; two new boilers are to be installed, and the whole range will be heated by the hot water pumping system. No steam will be used. The greenhouses are being erected by the Pierson U-Bar Co., Metropolitan Building, New York City. The ground is now being graded and other preparations being made for erecting another new house next Winter; the work which cannot well be done in the Winter will be done now. A new cellar is also being arranged, for ice boxes, etc.

There are six houses in this range with 51,000 ft. of glass. The benches in the houses are on the level, and are of pecky Cypress. American Beauty, Bride, Bridesmaid and pink Killarney Roses are grown here also, and are in the best of condition. The cutting of American Beauty in one house will begin soon.

The cut of blooms from all the Noe ranges is disposed of at the New York Cut Flower Co.'s quarters.

Very interesting is the dairy, too, of the Noe Farm, where the milk taken from about 250 cows is handled. The dairy is under the superintendence of J. Leon Doremus, who recently took unto himself a wife, and is a brother-in-law of L. A. Noe. 2300 quarts of milk are daily obtained, of which about 1200 are disposed of as milk, and the cream from the rest is sold.

Everything here is sterilized and systematically carried on and the EXCHANGE representative can testify that at least a pint of the milk was superior to any New York beverage. The main business office of the Noe ranges, where C. H. G. Roth ably presides, is handsomely adorned with the trophies of hunting and fishing obtained by L. A. Noe.

C. A. Work

Mr. Work's range, which consists of five houses, 20,000 ft. of glass, is heated both by steam and hot water, and furnished with wooden benches. Own root Roses are used as follows: One house of My Maryland, the plants in which are looking very fine, two houses of pink Killarney and two of Richmond, all showing good culture. Most of the stock consists of young plants, through a few benches are being carried over.

The cut of flowers is consigned to Alfred H. Langjahr, 55 West 28th st., New York City. From July, 1909, to June, 1910, the cut of Roses on Mr. Work's range was 205,210 blooms.

J. L. Querney & Bros.

This company has three greenhouses about 10,000 ft. of glass. They are furnished with raised wooden benches and heated by hot water only, but the system is so furnished with valves that all the heat can be thrown into a few pipes when necessary. Bride and Birdesmaid Roses only are grown in this range. The most interesting feature of the establishment is the length of time the plants have been used. The following is the record: One house is filled entirely with Bridesmaid, of which one bench is two years old, one three years, one four years, and one eight years. Another house has two benches of Bridesmaid six years old and one bench four years old. In the other house, Bride in one bench is five years old. The plants have been giving a good cut of flowers, and are now looking well.

The cut of the establishment is consigned to W. P. Sheridan, 131-133 West 28th st., and has been for twenty-three years.

Frank Chovey

The Chovey range is now leased by Henry T. Rohner. It coosists of three houses, with about 12,000 ft. of glass, heated by both hot water and steam and furnished with wooden benches. Richmond Roses are grown in two houses, and pink Killarney in the other. About one half of the plants are young, and the remainder carried over plants. The old plants are not lifted, but a portion of the soil is taken out from about each plant, and fresh soil substituted. The cut of flowers is consigned to J. K. Allen, 106 West 28th st., New York City.



Stockton & Howe's (Princeton, N. J.) New Rose Princeton

This Rose was described in our issue of July 9, page 49.

Ordonez Bros.

The Ordonez range consists of three greenhouses, with about 10,000 ft. of glass. These are heated with hot water. They are entirely devoted to the growing of Orchids, mostly Cattleyas, but Lælias and several other varieties are also grown. The following are some of the Cattleyas; Mossiæ, Trianæ, gigas, labiata, Gaskelliana, Bowringiana, and Skinneri. The plants are in good condition, but just at this time are not giving a large cut of flowers. The flowers are consigned to Gretsch & Ordonez Bros., 52 West 28th st., New York City.

Brant-Hentz Flower Co.

This company has eleven houses, with about 50,000 ft. of glass, heated with three steam and seven hot water boilers. Seven houses are furnished with benches all set on the same level, and four with stagings; the latter will soon be changed to the level bench system.

American Beauty Roses are grown in five houses, white and pink Killarney in two, Richmond in one, My Maryland in one, and Bride and Bridesmaid in two. One house of Bride and one of Killarney will be carried over, and new plants are set or being set in all of the rest.



House of Strawberries—Second Crop
At Green's, Sidney, Kent, Eng.

Only own root Roses are used. The young Killarney plants already set are looking very nice, and in fact, the plants throughout this range show good culture. The cut of flowers is shipped to Moore, Hentz & Nash, 55 West 26th st., New York City.

Henry Hentz, Jr.

Mr. Hentz's range consists of nine houses, with about 34,000 ft. of glass, heated by steam, and furnished with Wilson-Hoyt Co.'s concrete benches. This is one of the most thoroughly equipped, systematically arranged, and conducted greenhouse establishments observed anywhere. In addition to the above nine houses, there are two finely equipped propagating houses. All the benches are built on the level and it is found that equally good results are obtained as when the beuches are arranged on the stage system. Seven houses are used for American Beauty Roses, with Bridesmaid and Bride on the side benches, and two houses exclusively to Bridesmaid. Some 'Mums, Carnations and Killarney Roses are grown in the propagating houses when not in use for propagating.

Some of the American Beauty houses are being carried over, while others are being set to young stock. Both the young and old stock on this range is in remarkably good condition.

In the cellar beneath the shed, which runs across the whole end of the range and is a model of convenience and order, is the ice manufacturing plant which turns out in rectangular cakes two tons of ice per day. This is used as far as is necessary in the nearby commodious ice-box, which is cork-lined within and plastered over on the outside, in which the cut of flowers is placed. This arrangement has been found more satisfactory than a cold storage plant with the ammonia pipe system. In the absence of Mr. Hentz, to James E. Milton, the able and affable manager, who has been thirteen years on this place, the EXCHANGE representative is thankful for many courtesies extended.

The cut of flowers is, of course, consigned to Moore, Hentz & Nash, New York City.

Edward Behre

Mr. Behre has six greenhouses, with 24,000 ft. of glass. They are now heated by steam only. The last of the hot water system was taken out this Spring. Raised wooden benches placed on the level are used. The houses here also have been given new concrete side walls. One house is used for White Killarney, two for pink Killarney and two for My Maryland. All of the plants are being grown on another year, except in two houses where Bride and Bridesmaid have been discarded. The My Maryland plants which are being carried over another year in one house are exceedingly large and in remarkably fine condition. No better My Maryland has been observed anywhere. These plants have the past year given a large cut of flowers. Some of the records are as follows: 3000 plants in 29 days gave a cut of 13,000 blooms. The same plants give March, 14, 15, 16, 17, respectively, 550, 317, 235 and 480 blooms.

The cut of flowers from this range is consigned to Moore, Hentz & Nash.

CLINTON, N. Y.

Your scribe took the trolley one day last week for Clinton, the seat of old Hamilton College. On Elm st. is located the greenhouses of Kilbourn & Williams, formerly R. Kilbourn, and I was very much suprised to see the additions that have been made within the last three years; practically the range has all been made over and enlarged, to the extent of about 24,000 ft. of glass. I met Mr. Kilbourn who kindly took me in charge. The first house, 30x150, is entirely planted to Asparagus; the next, 24x150, to Smilax and Asparagus; another 20x100, to Carnations, one 20x50, to 'Mums; one, 80x20 to Smilax and Ferns; one, 18x100, to Smilax and Geraniums, and three houses, each 10x100, to Lettuce and plants.

They are prepared to furnish Smilax the year around in large quantities and have shipped as far as St. Louis and Chicago. They also occupy about 12 to 13 acres in part as a vegetable garden. The plant is run by a 65 horse power steam boiler. They also have a number of frames outside. This being a college town they find a good local sale for flowers in addition to their shipping trade. They now have one of the finest ranges near Utica, which is reached by trolley every 30 minutes, just 9 miles away. Both partners are members of the Utica Florists' Club.

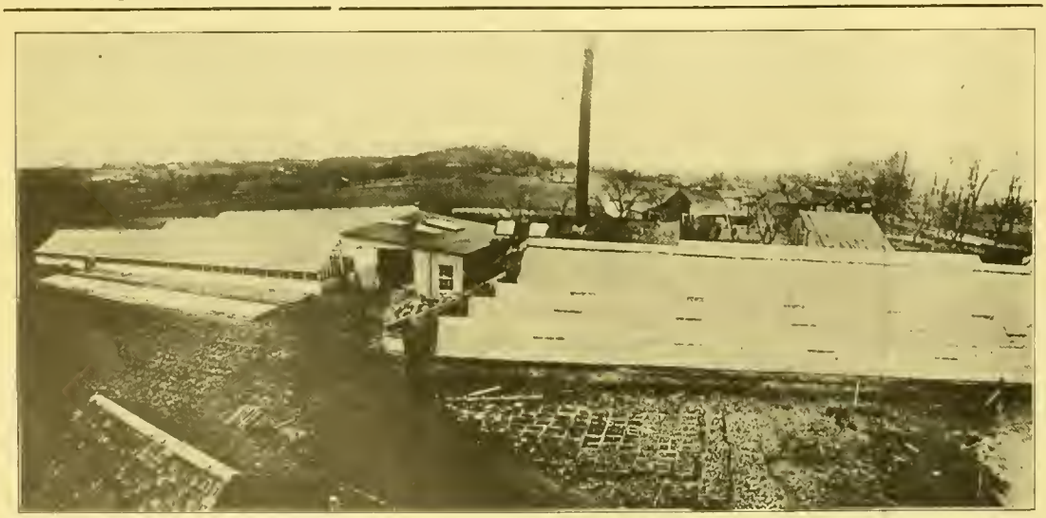
QUIZ.

BLOOMSBURG, PA.

The J. L. Dillon Greenhouses

A recent issue of the International Magazine of Industry contains some interesting matter concerning the above establishment, of which Mrs. J. L. Dillon became manager at the death of her husband.

"It was in 1875 that this enterprise was established in a comparatively small way by the late J. L. Dillon, who for a number of years was one of Bloomsburg's leading business men. The original houses are located near the Normal School, and as they stand today make a group of twelve containing over 40,000 sq. ft. of glass. Seventeen years ago the houses on Fifth st. were commenced and these have been added to from time to time, until today they are fourteen in number, having over one hundred thousand square feet of glass, the two plants making one of the largest greenhouse establishments owned by one person in this part of the State. The product of the houses is cut flowers and potted plants of all kinds; the flowers are sold throughout this part of the country. The Dillon estate markets the pot plants and has a large sale covering the United States, Canada and extending even so far as England. In the several departments are from 20 to 25 skilled and practical workmen. This plant also does a large business in furnishing decorations for dinners, banquets, receptions and all social functions, giving special care to supplying funeral emblems to order. In the conducting of the business, Mrs. Dillon is assisted by her son, M. G. Dillon, who is experieuced in this work. Mrs. Dillon is a thorough business woman and is highly esteemed in all circles of life in her home city, while the business that she conducts so successfully is known throughout the country for its high standard of production."



The Kilbourn & Williams Range at Clinton, N. Y.



New Ranunculus "Evening Star"
Natural size, 2 in.

Strawberry Forcing

A short time since a reader was asking for information re Strawberry forcing. It is admitted that the finest Strawberry growers are to be found in England and, what is more, their skill is so great that some of them adopt methods that would scare the orthodox teaching into fits. One grower of my acquaintance takes no heed of runners, allowing them full sway and his crop is enormous. After cropping he takes the runners for stock; this grower keeps all his pots on shelves.

Another grower, a Mr. Green of Sidney, Kent, grows on the floor level, every pot, and he grows thousands, yielding a heavy crop. I am sending a photo of one 100 ft. house which is interesting as it proves that the orthodox is nothing to go by. This house carried a full crop of early berries, the same being cleared early in May. While these were coming along a new lot of plants were lifted from the open ground, these being last Autumn planted. They were potted into 7″ pots, and stood in a cool house, the operation taking place about the end of April. As soon as the first crop was cleared, the old plants were thrown out and the newly potted plants were set in their places, this being done on May 21. About June 7 the first fruit was picked and, when photo was taken June 11, over 150 lbs. had been sent to market, and there still remained at least 50 lbs. of good berries fit for market.

I might mention that Mr. Green has worked this second crop scheme for years and, on one occasion, the second crop paid better than the first; 78 lbs. being taken at one picking, the price at the time being, I think, 1/6 per lb.

New Ranunculus Evening Star

Ranunculuses are quite a good market flower over here and I am pleased to be able to send details of a new yellow, named Evening Star. This novelty, shown by Clark's, Ltd., of Dover, secured an award of merit at a recent R. H. S. meeting, and the photo shows its form very well, although the real thing is about 2″ in diameter. It is quite the best pale lemon colored sort and, for early Spring work, will doubtless prove useful, while for garden decoration it is assuredly great.

T. A. WESTON. England.

The New Hammond Paint and Slug Shot Works at Fishkill Landing, N. Y.

It does not fall to every one to have a chance to erect a building or a set of buildings which, through their very location, become an advertisement for the town in which they stand; but that is what Benjamin Hammond is now doing at Fishkill-on-the-Hudson, N. Y. Twenty-six years ago, where the present factory is located, was tidewater, known as the northeast corner of the Long Dock. Additions were gradually added until the plant occupied over half an acre of buildings; these are all to be discarded.

Across the railroad track, about 300 feet from the Hudson River R. R. station, at the junction of two main streets —Beekman and Ferry—five pieces of land were purchased, the buildings torn down, and the main street widened the length of the purchase—375 feet. At the pointed corner is erected a fine brick two-story and basement building running back 80 feet, the ceilings are 12 feet and 16 feet respectively, the height allowing for machinery; the plan is in order to allow for an increase of double the floor space. Separate from this structure is the Slug Shot Mill, also a two-story building, with 11 and 13 ft. ceilings. Storage sheds, 21 ft. wide and running back 100 ft. are provided for barrels and wagons. Beyond this again is a substantial barn for three horses. Across a driveway is the oil storage house, also of brick, which holds four carloads of oil with gasoline tanks. Then comes the cook house in which is set brick cauldrons where dryers are made and lime and sulphur cooked.

The Slug Shot building contains the mixing and grinding machinery. The product is packed in this building and then removed to the storage warehouse, ready for shipment.

The buildings are separated and securely enclosed from the street. The main building is to be surmounted with a clock whose dial is 3 ft. across. The cornerstone reads "Hammond's Corner, 1910."

The business was started at Mount Kisco, N. Y., and was moved to Fishkill in 1884. Mr. Hammond, speaking of his enterprise, says that it is a mixed business not at all easy to handle, but that its very diversity insures its permanence and safety. "We go the country over for a good customer. I am growing up some capable young men who, some day, will be at the head of affairs. There is one thing I never have countenanced and that is to allow goods to be put up carelessly or wastefully. We make and sell our preparations to do the work advertised, charge a fair price and the orders so far have come along and multiplied. If a patron wants goods we are always ready to ship, because we carry the stock we advertise—only the product of our own manufacture."

Among the preparations for which Mr. Hammond's factory is noted we name here some of the leaders known the country over: Slug Shot, Horicum, Kerosene Oil Emulsion, Sward Food, Glazing Putty, Grape Dust, Copper Solution, Extract of Tobacco, Cattle Comfort, Thrip Juice, French Bordeaux Mixture, Sheep Wash, Greenhouse White Paint, House Paints, etc.



The New Hammond Building at Fishkill Landing, N. Y.

The Mignonette Industry on the Mediterranean

The raising of cut flowers for the wholesale trade, and particularly for exportation to the countries of northern Europe, is engaging a large number of growers along the shores of the Mediterranean, who specialize more and more in those plants that are of the greatest importance commercially.

Three-fourths of the cut flowers grown in the Department of the Var, southern France, are shipped to Paris, London, Berlin and Brussels, the rest go to other European markets. This Department exports annually not less than 800,000 to 900,000 postal packages of 6 to 11 pounds each, representing a value of $800,000 to $1,000,000, including cost of packing and shipping.

One of the flowers now largely cultivated is Mignonette, both as a cut flower for the foreign markets, and for the perfumery industry, the robust varieties producing thick, compact and pointed racemes are the ones grown; the most perfect type is Reseda odorata, var. pyramidalis, which is in greatest demand on account of its heavy racemes.

Mignonette demands a soil which has been well worked over some months in advance, with good decomposed manure worked into it at the same time. Its culture includes two seasons and hence two different methods. For the first year's crop in this section the seed is sown in August, in soil that has been first watered and then trench-ploughed. After sowing, the beds are covered with litter or fresh dung, and are sprinkled every evening. In about ten days the young plants come out, and must be carefully watched, as they are at this time subject to the attacks of the flea-beetle (Haltica). After they have developed a few leaves, the rows are thinned; allowing about 2 in. between the plants; a month later they are thinned again, only the finest and strongest plants being kept. Copious watering is now necessary, as well as protection against night frosts. For this purpose straw matting is used, which is laid on wire strung on posts above the beds. It is removed in the day time to give the plants the full benefit of the sun. This method of cultivation gives a continuous crop from October to May. After the first of March finer flowers are obtained from the second year planting, which is grown as follows:

The beds are turned over deep in May or June and, after manuring, are sown with Beans or Peas or some other vegetable of quick maturity. These secondary plantings not only keep the beds from standing idle before the time of the Mignonette, thus paying for the cost of its culture, but the leguminous vegetables also fix in the soil the atmospheric nitrogen which the Mignonette will use later on. In October, two or three months after these vegetables have been gathered, the Mignonette seed is sown into the beds, which have again been moderately worked over. It comes up in about two weeks and is sprinkled about once a week during the Winter. Before the watering a little nitrate of soda is scattered around; this promotes the growth and enhances the beauty of the flowers. The beds are protected at night from the first of December to the end of February. By February the plants have developed stout racemes.

Mignonette is injured by prolonged rains, and still more by the flea-beetle, especially the first-year crop, this insect eating the young leaves as soon as they come out. It is fought by frequent sprinklings and the other usual means. The sowing of Radish seed at the same time with the Mignonette is recommended as a preventive, the flea-beetle then attacking the young radish, which they prefer.—*Revue Horticole.*

Two New Roses for Fall of 1910

The rosarians, H. A. Verschuren & Sons are promising two new roses for this Fall. This one, Neervelt, a cross of Gloire de Dijon and Princesse de Béarn, has buds and flowers of a brilliant red, like Gen. MacArthur; this color does not burn up. The canes grow to a height of 10 ft., with many side shoots, at the end of each of which is a bud. The fine foliage reminds one of the Dijon. The flower is well filled, large, and opens freely under any sky. It is a ready remontant and an exceedingly free bloomer. It is valuable, not only as a cut flower, but also as a Rambler or a standard.

The second novelty, La Hollande, is a cross of Marchioness of Londonderry and White Maman Cochet. Its habit is erect; the shoots grow to a length of 5 ft. The bud is elongated, and incomparably beautiful on opening. In form La Hollande resembles La France, each petal gracefully tapering off in egg shape, a feature which has made La France famous. Its color is like that of Souvenir du President Carnot, very fresh and lovely. The flowers are large and double, with good keeping qualities. The originators have had La Hollande under observation since 1903, and after years of careful cultivation they now recommend it as a valuable Rose for cut flower purpose.—*Rosenzeitung.*

NEW WHITE FEATHER PINK, NOBLE.—The firm of Otto Mann of Leipzig-Eutrizsch, Germany, who introduced the two pinks Gloriosa and Delicata, have now added a sister flower to these two, which they promise to introduce next Summer under the name of Noble. The flower is 1.7 in. across, ivory white in color and medium double. The petals are deeply fringed. The calyx is firm and will not burst. Its habit is fine and healthy, and branching to a remarkable degree, producing blooms with stems nearly 16 ins. long. It will bloom until September, longer than any other white feather pink so far known, and it is entirely hardy.

CORNELL VARIETY TEST OF SWEET PEAS

8868

NAME — Trial No.
SYNONYMS
PARENTAGE
SEED RECEIVED FROM
GROWN California England New York State of
ORIGINATOR Date
INTRODUCER IN AMERICA Date
INTRODUCER IN ENGLAND Date
OBSERVER Date of Observation
TYPE OF BLOOM Small Open Grandiflora Hooded Snapdragon Waved

COLOR Class Bicolor, Blue, Cerise, Cream Pink, Crimson and Scarlet, Fancy, Lavender, Marbled, Magenta Mauve, Maroon and Bronze, Orange Shades, Pink, Picotee Edged, Rose and Carmine, Striped or Flaked Red and Rose, Striped or Flaked Purple and Blue, Violet and Purple, White, Yellow and Buff. COLOR Keel

COLOR Standard Uniform Color No — Wings Uniform Color No.
Color shades No to — Shades No to
Stripes Ground — Stripes Ground
Flakes Ground — Flakes Ground
Picotee Edge — Picotee Edge
Veins Back — Veins Back
Fades from to — Fade from to

SIZE flower small medium large very large standard small medium large very large
wings small medium large very large

FORM standard flat reflexed hooded hooded slightly hooded much waved (Spencer) waved slightly waved much Unwin
wings conceal keel partly open spreading drooping hooded waved upright and pointed

SHAPE standard notched sides notched top round pointed shell narrow base broad base auriculate
wings long short broad narrow

SUBSTANCE sunproof burns slightly burns badly wet weather injures slightly badly Lasting quality on plants poor good

KEEPING QUALITY CUT good poor days FRAGRANCE none moderate much

USE home decoration market exhibition BLOOMER shy medium profuse continual intermittent

SEASON first bloom date full bloom date last bloom date

STEM No. fls. varies to Length short medium long Strength weak medium strong
Position of flowers face variously face one way equidistant irregular close wide apart

PLANT dwarf bush medium tall very tall Growth weak slender stout Vigor healthy diseased Stock pure
mixed true to type not true true to name not true Leaflet narrow broad pointed round Tendril green
colored clinging non-clinging

SEED Color black white mottled dark brown Size small medium large Shape round irregular wrinkled
Condition sound split new old Germination poor good quick slow per cent germinated

AREA distance between rows distance between plants number of plants length of row

SEED SOWN in field in pots plants up plants shifted plants planted

CULTURE outdoor under glass thinned supported

NOTES

Cornell Sweet Pea Test Card

We here present a reproduction of the card used in the Sweet Pea tests being made at Cornell University. It was the opinion of the experts who attended the recent meeting of the National Sweet Pea Society of America that to find a quality not enumerated would prove a hard puzzle.

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.

The Week's Work

BY

FRITZ BAHR

Chrysanthemums

The Supporting of the Plants

It doesn't make so much difference as to what you use to support the Chrysanthemums if you only make use of it in time; there are no single stem flowers grown which do not require support of some kind, and the sooner this young stock gets it after being planted out the better, for if the plants are in a clean and healthy condition they will make a heavy growth from now on. A few days without support is enough to have them fall over; this is bad for the plants and the applying of support costs you a good deal more than it would have if done at the right time. To the beginner, I would say, if you grow Chrysanthemums at all try your best to have them good; after all, that is the only kind which pays. You cannot get them too good, and too often otherwise good flowers are spoiled on account of having imperfect stems, because of neglect to support the plants at proper time.

The good grower goes over his plants regularly and has his supports always ahead of the top of the young stock and does his tying at the proper time. For what is all your cultivating, mulching, disbudding and other work you may do good for, if you don't pay equal attention to the tying. Only when the stock is planted in straight rows, and each plant is kept properly staked up or supported, can the stock get the full benefit of the sunlight between the rows which is so essentially necessary if you are working for the best results.

Mulching and Liquid Manure Advisable for Stock, Making a Heavy Growth

The early planted stock of Chrysanthemums is now in a condition to receive a good mulching of well-rotted manure and such as are making an extra heavy growth are surely benefited by a light dose of liquid manure. By heavy growth I refer to stock which is exposed to the full sunlight, and planted far enough apart to prevent a spindly growth. Such stock has, by this time, a network of roots through the soil of the bench, and while there may be sufficient nourishment in this soil for some time to come, a light dose of fresh liquid cow manure will act as a stimulant.

Different growers recommend different ways in applying food for the plants, and many prefer the soil of the bench to be in a wet state when applying liquid manure, but there is not any good reason for this. Pure cow manure, given in light doses, never hurts any of the plants the florist grows; there is more harm done by not using enough of it. While I would not want the soil to be dust dry when applying such manure, if it is on the dry side, no harm is done. If no cow manure can be had, use sheep manure, only be a little more careful to have the liquid weak. Cultivate the bench thoroughly before giving a mulching and, if the soil is in such state as to stand a good watering after the mulch is on, so much the better; let the goodness of the manure soak in.

Carnations

Take Good Care of the Field Stock

Faithful cultivation of the soil is still the most important work we have to do with the Carnations in the field. There is nothing more beneficial toward a healthy growth than to keep the surface of the soil stirred up. The plants, thus far, have made good headway, and the greater part of the early planted ones are really ready for housing. I shouldn't say early planted, early propagated is correct, for the plants set out in the field before April 23, the day we had the hard freeze, are not as far advanced as the stock put out the middle of May.

Go over the plants in the field and do such pinching back as is necessary to give you a bushy, short-jointed plant for housing. Through proper attention paid to this part of their culture you can obtain stock of a uniform size and your benches will look much better when planted. The time to do your pinching back of the flowering shoots is right now; even if severely cut back the plants are in a condition to break quickly and in a couple of weeks produce several inches of new growth, the kind you want to give you the early flowers by the end of September and during October. It is a poor Carnation grower, indeed, who has to do pinching back of any kind when he plants the field stock into the benches—and yet there are some who do.

Lorraine Begonias

Treatment of the Plants for the Next Few Weeks

This is the time of the year when the plants are getting ready to make roots, and it depends entirely upon what care they get now as to what you may expect from them as to growth in August and September. Do not be under the impression that it does not pay just now to give much attention to them because they will not grow much before another month, for, if now neglected, you need not expect much from them later. The early propagated stock, which has been properly handled, is going into 4½'s. and 5's. now, but the plants in 2½'s. and 3's., with good management will also make fine stock for next Christmas. Provide good drainage for each pot, using, if handy, a sandy, mellow loam with but little well decomposed manure. Give each plant all the room it needs to develop properly, and use care in watering. The large plants, such as are intended for specimens, should have little stakes now; do not tarry too long with this important work; do it now and go over the plants every few days. As to shade—all we have on the glass is a light dose of whitewash, just enough to protect the plants a little against the hot rays of the sun, but the more ventilation one can give the better for the next few weeks, at least. They will be the better for it in every way. Avoid a soft, spindly growth; you could not have anything worse for this class of Begonia.

Asparagus and Boston Ferns

Time Yet to Prepare for Next Winter's Supply

There are but few of us who do not consider Asparagus Sprengeri, as well as Boston Ferns, among the most important of plants to have on the place: the one to supply us with green during the Winter months; the other as one of the best of decorative plants for house use. It is not too late, by any means, to get up a good stock of small plants of either of them which, by proper care, will give you fine stock by October and November. The Asparagus will do well anywhere, if given sufficient depth of soil for the fleshy roots to spread out into. We have found basket culture as good a way as any, using three 3-in. pot plants for a 14-in. basket. Growing the Asparagus in baskets has a great advantage for the smaller grower, as the baskets can be hung up and the bench room saved for other purposes; besides, I am sure as good results can be obtained with baskets as by any other way.

If there should be a side bench somewhere it could not possibly be used to better advantage than for the planting out of good 2½- or 3-in. Bostons. They will make excellent stock by Fall, when you can pot them up or make use of them for made-up plants.

Asparagus Sprengeri as well as the Bostons can be grown nicely even in houses where Carnations and Roses could not be expected to do their best, and yet there are quite a number of growers who will keep on trying to do either Carnations or Roses under such conditions, and never even make an attempt to devote any space to the others which are fully as valuable to them as any flower grown.

The Palms

Attending to the Stock Used for Decorative Purposes

There can't be anything worse for the Palms than carting them from one place to another for decorating. The best and hardiest Palm ever grown cannot stand it very long, even with the most careful handling, if there is ever such a thing possible when decorating as carefulness. In most instances it is "hurry-up" all the way, coming and going. Many a soft and tender new leaf of a Kentia or Areca is ruined forever while in use at a wedding or funeral. While it takes often several years of good culture to get a Palm which has suffered to any extent into shape again, one can accomplish a great deal of good with the average stock during the Summer months This would mean from now on until October, the time when there begins to be a demand again with most of us for decorative material such as Palms and Ferns. The main thing to bear in mind is not to disturb such stock during this time. Give the plants, such as may need it, a shift, place them in a shaded house, giving each plant proper room, water and syringe them faithfully and the less you move them about the better. I should advise keeping the house such plants are in a little closer and warmer than I would for perfect plants. We find sometimes a plant which doesn't require a larger pot and yet shows that fresh soil would do it good. Let it have it. Just be a little careful in removing the old soil which hangs loose around the roots. It isn't the size pot that makes the plants; it is the care they get in watering and spraying. Go over all on the place. Everyone will need a cleaning and going over.

Oxalis Purpurea Jacq.

This is a small but very handsome plant, native to the mountain of Teneriffe and Madeira in the Canary Islands, and also to South Africa, though hardly known to florists in general, says a writer in Möller's. It must not be confounded with Oxalis rosea Jacq., a native of Chili which is frequently used for borders, but apt to become a troublesome weed where the conditions for its growth are favorable. While most of the ornamental Oxalis always grow several pendant flowers on one stem, those of Oxalis purpurea are borne singly and rise erect above the sea-green leaves. They are large and of a brilliant pure dark pink, while the tubular part is of a contrasting lemon yellow. Its habit is compact and turflike; a bed of this Oxalis will keep its general shape, though this may grow broader and thicker in time, but it does not send out straggly runners.

Under cultivation the small black bulbs, which vary in size from Peas to small Hazelnuts, are placed about 3″ deep into nourishing but not freshly manured soil, at a distance apart of 3″ to 4″. The first leaves appear after four weeks, and within a very short time thereafter the bed has been transformed into a compact turf, delighting the eye with its profusion of lovely blossoms which bear a striking resemblance to Primula auricula (French Cowslip, Bear's Ear).



Oxalis purpurea Jacq.

From Möller's Deutsche Gærtner-Zeitung.

As Oxalis purpurea grows in the Canary Islands at an elevation of over 3000 ft., in exposed places where night frosts occur, it should prove hardy in northern climates with a covering of leaves, and would then be among the earliest Spring bloomers. The bulbs may also be set out after frost is over, and the plant may then be used for borders and rockeries. For pot culture it is planted about the middle of October.

Statice Perezi (Stapf)

The magnificent shrub-like Statices of the Canary Islands, which are known there under the name of Perpetuas maritimas or Siemprevivas, and are noteworthy as being in flower nearly all the year, belong for the greater part to the sub-class designated by Boissier as Nobiles. The varieties known to horticulturists so far are Statice arborea, S. macrophylla, S. brassicæfolia and S. imbricata. A new variety was discovered in 1908 by Dr. George Perez, a Canarian physician, after whom it has been named S. Perezi. While the older varieties grow more or less near the sea level, this one was discovered at an altitude of about 3000 ft. on the borderline of the forest region. It also differs otherwise from them. Its habit is more dwarf, and it branches out close to the ground, forming a round compact bush. The leaves are heart-shaped, of a pure green with long stems. Above them rise the branching panicles, with their thickly-set flowers, on stems about 25 in. long. The color of the flowers is a magnificent violet blue. These panicles will keep dry for years.

The plant is easy to grow, both from seed or cuttings. The former will come up in a week. Young plants, if set out in pots in an open, sunny place will grow panicles the first Summer. In the second year they may be set out directly into the soil, in sunny rockeries, slopes or borders, where they will flourish more luxuriously than in pots.—*Moeller's.*

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

I am much interested in the articles on greenhouse construction in the Florists' Exchange. I have two houses 20 ft. x 52 ft., one of which I intend to enlarge to 40 ft. x 52 ft., putting on an entirely new roof as the old one is unsafe. I have a No. 3008 Furman Sectional hot water boiler which I wish to turn into steam. Each house has three 3-in. flows and one has fifteen 2-in. returns, the other eighteen 2-in. returns. Haven't I pipe enough for additional room if turned into steam? What height should the ridge be with one 3 ft. eave and the other 6½ ft? The house to which it will join is only 3 ft. —W. L. W., O.

Using the 2-in. pipe for steam heating surface you will require, in the twenty foot house, seven lines of 2-in. pipe and in the forty foot house, twenty lines. The boiler you mention will have ample capacity to heat the two houses, as you propose to finish them. As the construction work in connection with the rebuilding of the roof and the addition to the house is mostly that of alterations, I would suggest your local carpenter explain to you the details. If you care to go to the expense it would be still better to put yourself in communication with some of the regular greenhouse builders whose advertisements you will see in The Florists' Exchange, and they could send you representatives from their nearest office to take the data for the construction. The temperatures I have calculated for the above mentioned surface is 60 degrees inside and zero outside.

U. G. SCOLLAY.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themaelves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

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The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the reepective districts to which their trade extende, the usual commiesion being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Direotory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate thia interchange of business.

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Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

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We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

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Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

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Friedman Flowers — **CHICAGO ILL.** — **185 Michigan Avenue** — Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — **Fourth St.**

Frank E. Crum — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

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Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

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Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Columbia	July 23	9 00 am.	W. 24th St., N. Y.	Glasgow
Cleveland	" 23	9.00 am.	1st St., Hoboken	Hamburg
Carmania	" 23	10.00 am.	W. 14th St., N.Y.	Liverpool
Minnetonka	" 23	10.00 am.	W. 16th St., N.Y.	London
St. Paul	" 23	10.00 am.	W. 23rd St., N.Y.	Southampton
Kroonland	" 23	11.00 am.	W. 18th St., N.Y.	Antwerp
Cedric	" 23	12.00 m.	W. 21st St., N.Y.	Liverpool
Chicago	" 23	3.00 pm.	W. 15th St., N.Y.	Havre
Floride	" 23	3.00 pm	W. 44th St., N.Y.	Havre
Birma	" 23	2.00 pm.	Bush Dks. Bklyn	Rot'd'm-Libau
Patris	" 23		—Brooklyn	Piraeus, Patras Smyrna
Kronpr. Wilhelm	" 26	10 00 am.	3rd St., Hoboken	Bremen
Campania	" 27	9.00 am.	W. 14th St., N.Y.	Liverpool
Adriatic	" 27	9.30 am	W. 21st St., N.Y	Southampton
La Savoie	" 28	10.00 am.	W. 15th St., N.Y.	Havre
Fred der Grosse	" 28	10.00 am.	3rd St., Hoboken	Bremen
Philadelphia	" 30	10.00 am	W. 16th St., N.Y.	Southampton
Koenig Albert	" 30	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 30	11.00 am.	W. 18th St., N. Y.	Antwerp
Arabic	" 30	12.00 m.	W. 21st St., N. Y.	Liverpool
Duca di Genova	" 30	12 00 m.	W. 34th St., N. Y.	Naples-Genoa
K. Aug. Victoria	" 30	12.00 m.	1st St., Hoboken	Hamburg
Caledonia	" 30	1 00 pm	W. 24th St., N. Y.	Glasgow
Noordam	Aug 2	10 00 am.	5th St., Hoboken	Rotterdam
Ka. Wilhelm II.	" 2	10 00 am.	3rd St., Hoboken	Bremen
Caronia	" 3	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 3	3.00 pm.	W. 21st St., N.Y.	Southampton
Pr. F'd'k Wilhelm	" 4	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 4	10.00 am.	W. 15th St., N.Y.	Havre
Ultonia	" 4	12.00 m.	W. 14th St., N.Y.	Napls - Trieste Fiume
Taormina	" 4	12.00 m.	Gr'nd St. Jer. Cy	Naples - Genoa
Hellig Olav	" 4	2.00 pm.	17th St. Hoboken	Copenhagen
Uranium	" 4		Pier 38, Bklyn	Rotterdam
Athinai	" 4		—Brooklyn	Nap-Pir-Smy
Manuel Calvo	" 5		Pier 8, E. River	Cadiz-Barcel'a Genoa-Naples
California	" 6	10.00 am.	W. 24th St., N.Y.	Glasgow
Minnewaska	" 6	10 00 am.	W. 16th St., N. Y.	London
St. Louis	" 6	10.00 am	W. 23rd St., N. Y.	Southampton
Vaderland	" 6	11.00 am.	W. 18th St., N. Y.	Antwerp
From Boston				
Zeeland	July 26	12.00 m.	B & M Dks. Char	Liverpool
Ivernia	Aug. 2	6.00 pm.	B & A Dks. E. Bos	Liverpool
Georgian	" 3		B & A Dks. E. Bos.	Liverpool
Parisian	" 5	10.00 am.	MysticWhf, Char	Glasgow
Romanic	" 6	11.00 am.	B & M Dks, Char.	Azores-Gib Napls-Gen
Philadelphia				
Haverford	July 23	10 00 am	53 So. Wharves	Liverpool
Mongolian	" 23		24 No. Wharves	Glasgow
Taormina	Aug. 3		80 So. Wharves	Naples-Genoa
Samland	" 5	10.00 am.	55 So. Wharves	Antwerp
Merion	" 6	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Asia	July 26	1.00 pm	1st Street	Honolulu
Mongolia	Aug. 9	1.00 pm.	1st Street	Japan
Tenyo Maru	" 16	1.00 pm	1st Street	China

Some day, not far off, either, all Retail florists will appreciate the advantages of this Department. But why wait? Break the ice now, with this Summer of 1910, and write us freely. Correspondence solicited. Good photos wanted.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Grelliot Ave.**

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

For "Supply" Advertisements see page 132

Bertermann Bros. Co — **INDIANAPOLIS, IND.** — **241 Messachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — **KANSAS CITY, MO.** — **913 Grand Ave.**

All orders given prompt and careful attention.

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadway**

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor Ont., in the West.

Alex. McConnell — **NEW YORK** — **571 Fifth Avenue**

Young & Nugent — **NEW YORK** — **42 West 28th Street**

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders: they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.



Box, 5 in. Wide and 24 in. Long, Containing Lily of the Valley, Decorated with Crepe Paper and Tied with Yellow and White Gauze Ribbon

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As foreman; 20 years' practical experience. Address, Robt. Duncan, 65 Borden st., Red Bank, N. J.

SITUATION WANTED—By young man of good character; advertiser has greenhouse experience. Address, Y. E., care The Florists' Exchange.

SITUATION WANTED—As Landscape Gardener or Outside Foreman for a retail nursery or a florist by an American, age 30. Address, Y. H., care The Florists' Exchange.

SITUATION WANTED—By florist as general greenhouse man; 15 years' experience. Good maker-up. Address, C. Hollender, 215 Park place, Brooklyn, N. Y.

SITUATION WANTED—As general greenhouse assistant. State full particulars in first letter. Address, F. J. T., 132 Guernsey st., Brooklyn, N. Y.

SITUATION WANTED—By working foreman, thoroughly competent in all branches. Best of references. Address, X. A., care The Florists' Exchange.

SITUATION WANTED—As section man in Rose houses. Good grower, married man. Life experience. Wages expected, $14.00 per week. Please state particulars. Address "Section Man," care The Florists' Exchange.

SITUATION WANTED—By gardener, married man, no family, on private place. Advertiser understands greenhouse work and all gardening. Good reference. Address, Y. A., care The Florists' Exchange.

SITUATION WANTED—By young man, German, 17; one year experience in growing Carnations and general greenhouse stock. Please state wages. Address, Y. G., care The Florists' Exchange.

SITUATION WANTED—By single man, grower of Christmas, Easter and bedding stock, Roses, Chrysanthemums, Carnations. State particulars and wages. Address, X. K., care The Florists' Exchange.

SITUATION WANTED—By a German, 36 years of age, good grower of Carnations, Roses, 'Mums, Violets, Spring and Easter stock. 22 years' experience. Please state wages. Address, Y. C., care The Florists' Exchange.

SITUATION WANTED—By a young married man, strictly sober, 5 years' experience in general greenhouse work; capable of handling help. Best of references. Address "Steady Employment," care The Florists' Exchange.

SITUATION WANTED—By married man, 26 who wants to learn something more of the greenhouse business. Advertiser had 5 months' start and can furnish good reference. Address, Geo. E. Paya, Box 152, Stockbridge, Mass.

SITUATION WANTED—By experienced gardener on private or commercial place; Scotchman, 49 years of age. A place where a trustworthy person is desired more sought than higher wages. Nothing but a first-class place expected. Good references. Address, Y. F., care The Florists' Exchange.

SITUATION WANTED—As head gardener or to take charge of a private place. Well up in the general management of all departments: Greenhouses, flowers, vegetables, trees, shrubs, fruit, lawns, roads, construction work, rotation of crops, etc. Married, 36, strictly temperate, honest and reliable. First-class references. Any party desiring the services of a thoroughly practical and competent man, please address Y. I., care The Florists' Exchange.

LANDSCAPE ARCHITECT AND NURSERYMAN

Who is a good business man with over 20 years' practical experience as Florist, Private Gardener, Nurseryman, Forester and Landscape Engineer would accept similar position. At present general manager for a Landscape Architect and Forester. Advertiser can invest from $1000.00 to $6000.00 in a good honestly conducted business. Capable of making surveys, designing Parks, Cemeteries, private grounds, etc. Good grower of ornamental nursery stock. No hot air theorist but a practical hustler. Total abstainer. Address "Business Ability," care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED

As Superintendent or Headgardener, where man can show his ability. Commercial or private place. Perfect in up-to-date cultures of every line. Landscape engineer, 15 years' all-around experience. Practical and theoretical training in Europe. Hustler, using men to best advantage. Age 31, married. Total abstainer. State particulars in first letter. Address "KNOWLEDGE," care The Florists' Exchange.

HELP WANTED

WANTED—Young man as helper. Married man preferred. Address Levant Cole, 89 Wendall st., Battle Creek, Mich.

HELP WANTED—Florist, single, Protestant, for private place near Philadelphia. Apply at Michell's Seed Store, 1018 Market st., Philadelphia, Pa.

WANTED—Man with some greenhouse experience as an assistant in Rose houses. References required. Apply or address with particulars, Righter & Barton, Madison, N. J.

WANTED BY AUGUST 1ST—Young man as assistant in greenhouses. Principally for Carnations and Chrysanthemums. Wages $60.00 per month. State age and references. James Wiseman, 6200 Fifth ave., Pittsburg, Pa.

WANTED—Reliable nursery foreman, familiar with Evergreens and capable of handling men to good advantage. Please state age and salary expected and give reference. T. E. Steele, Pamona Nurseries, Palmyra, N. J.

WANTED—Young man with general experience of growing Roses, Carnations, etc., on up-to-date private place; 25 miles from New York City. Good wages to the right man. Send reference and nationality. Address, Y. B., care The Florists' Exchange.

WANTED AT ONCE.

Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of Herbaceous Perennial grounds. State particulars and send references. Address Southworth Bros., Nurseries, Beverly, Mass.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—A bright active man of experience capable of designing and decorating, and able to take charge of retail floral department. Must be of gentlemanly address and appearance and a hustler. Such a one will find this an exceptional opportunity. Lawson Piano Store, 2862 Third ave., New York City.

WANTED—Working foreman, must be married and capable of taking charge of an establishment of 40,000 ft. of glass, where Roses, 'Mums, Carnations and general stock is grown. None but a thoroughly competent man capable of handling help to advantage need apply; send references from places where employed in same capacity in first letter; also state age and wages expected. Address "Foreman," care The Florists' Exchange.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS, Golden Glow, Virginia Poehlmann, J. Nonin, strong rooted cuttings, $ 1.00 per 100. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS.

Golden Glow, Pacific Supreme, Polly Rose, October Frost, Early Snow, Pink and White Ivory, White and Yellow Bonnaffon, Georgiana Pitcher, Golden Baby, etc., R. C., $1.25; 2¼-in., $2.25 per 100. Poehlmann, Gloria, Golden Eagle, Baby Marguerite, etc., R. C., $2.00; 2¼-in., $2.75 per 100. Mrs. Kelley, President Taft, Golden King, R. C., $3.00; 2¼-in., $4.00 per 100.

List of 60 varieties.

Stafford Floral Co., Stafford Springs, Conn.

CHRYSANTHEMUMS

WE HAVE THE FOLLOWING READY FOR IMMEDIATE DELIVERY FROM 2¼-INCH POTS:

October Frost, Mme. Desjouis, Gloria, Intensity, W. H. Chadwick, Golden Chadwick, Minnie Bailey, Cremo, Monrovia, $2.50 per 100.

When making order please state if we may substitute in case we are sold out of varieties selected. Elmer D. Smith & Co., Adrian, Mich.

MISCELLANEOUS

STOCK FOR SALE—Poinsettia, 10,000 strong plants, 2½-in. pots, $5.00 per 100, $45.00 per 1000. Cash please. Keller Floral Co., Troy Rd., Albany, N. Y.

SMILAX, strong 2-in. pot bound, 2 cents, 3-in., 3 cents. Sprengerl, 2¼ and 2½-in., pot bound, 2½ and 3 cents. Stafford Floral Co., Stafford Springs, Conn.

STOCK FOR SALE

MISCELLANEOUS

CYCLAMEN PERSICUM GIGANTEUM

In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.

J. W. MILLER, Shiremanstown, Pa.

JARDINIERE FERNS—5 best varieties, 2¼-in. pots, fine stock, $3.00 per 100, $25.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

STOCK FOR SALE—Strong Plants, Begonia Liminosa, 2¼-in. Make fine 5-in. stock for Christmas, $4.00 per 100, $35.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

HYDRANGEA OTAKSA—Strong rooted cuttings, ready for 3-in. pots, $2.00 per 100; $17.50 per 1000. These will make fine plants for Memorial Day, 1911. F. J. Langenbach, Florist, Norwich, Conn.

MARIE LOUISE VIOLET—Plants, 2½-in., $2.50 per 100, $20.00 per 1000; from benches, $2.00 per 100, $15.00 per 1000. Cash with order please. F. M. White, 74 Warrall ave., Poughkeepsie, N. Y.

STEVIA—Well rooted, 75c. per 100. Polly Rose and Glory of Pacific Chrysanthemums, at 75 cents. Smilax, 2-in., at $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

GOOD PLANT STOCK.

5000 American Beauties, at 12 cents each.
2000 Maids, at 6 cents each.
300 Gardenias (extra fine), at 25 cents each.

All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

STOCK FOR SALE—Chrysanthemums: Yellow Bonnaffon, Estelle, Dr. Enguehard, Genne Jones and Jeanne Nonin, $2.25 per 100, $20.00 per 1000; 2½-in. pots, strong healthy stock; also Smilax, 2½-in. pots, $18.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

AMERICAN BEAUTIES—From 4-in. pots, at 8c. each; Rhea Reid, from 4-in. pots, at 6c. each; Verschaffeltii and Golden Bedder Coleus, from 2¼-in. pots, at $1.00 per 100. Mme. Salleroi, from 2¼-in. pots, at $1.00 per 100. Smilax, from 2¼-in. pots, at $1.50 per 100. Extra fine stock. Satisfaction guaranteed.

Brant Bros., Inc., Utica, N. Y.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

Strong healthy, clean field grown Carnation Plants, ready now for shipment.

500 Winsor,
2000 White Enchantress,
3500 R. P. Enchantress,
4000 L. P. Enchantress,
4500 Beacon.

Write for prices. D. G. Grillbortzer, Alexandria, Virginia.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 60c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $16.00 per 1000 or $2.00 per 100. Cash with order.

P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

CARNATIONS Extra heavy plants. Planted out in field first week in April. 2000 **Enchantress**, Pink, 2000 **Enchantress**, White, 700 **Beacon**, 300 **White Perfection**, $6.00 per 100. I have decided to cut down my space given to Carnations by one half, therefore the surplus stock is in a fine shape. Stewart, The Florist, Morgantown, W. Va.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tuussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

STOCK WANTED

WANTED—1000 May Day field grown Carnation Plants. State lowest cash price and when ready. Address, Y. D., care The Florists' Exchange.

Wanted

Daily Shipments of Cut Roses—Beauties, Kaiserins, Brides, Bridesmaids, etc.—also, assortment of outdoor stock. An excellent market for good, clean stock. Top prices and prompt returns.

Greater New York Florists' Ass'n, Inc.
162 Livingston St., BROOKLYN, N. Y.

STOCK FOR SALE

VEGETABLE AND FRUIT PLANTS

POTTED STRAWBERRY PLANTS now ready. Write for list of varieties and prices.
The Elizabeth Nursery Co., Elizabeth, N. J.

CELERY PLANTS—White Plume, Winter Queen, New Rose, etc., extra strong transplanted, $2.00 per 1000. This strain will give you exhibition stalks; 500 for $1.25. R. Monaghan, Abington, Pa.

FOR SALE OR RENT

FOR SALE—Three Greenhouses, 12 miles from Boston, good home trade, 9 room house, all improvements; 3 minutes to steam and electrics. Will sacrifice for quick sale. James H. Delay, 71 Beacon st., Boston, Mass.

GREENHOUSE FOR SALE—In town of 12,000 population, doing good business, 25,000 square feet under glass, plenty of ground. Good buildings. Can be bought cheap. For particulars address A. C. Stemmons, Carthage, Mo.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y

FOR SALE OR LEASE—Two greenhouses, one 100x20, other 60x24; also dwelling house, all modern improvements, 10 rooms; small store. This place is situated opposite the leading cemetery, doing large Memorial Day business. Property takes in two streets. Cars pass the door. Want to sell or lease on account of illness. **Mrs. Byard, 1913 Highland ave., Fall River, Mass.**

FOR SALE—Hudson River property, splendid view, 2¼ acres of very rich land; greenhouses 10x150 and 24x150; 8-room house, bath, hot water heat, range, village water, electric light and gas available. Plenty of out buildings, number of chickens; excellent local trade could be developed in Vegetables and flowers. Price $11,000, easy terms. Address "Owner," Box 65, Ossining, N. Y.

FOR SALE—The property of a well established florist, opposite the new West Hudson County Park. The same contains six city lots, five greenhouses, dwelling house, barn, two good boilers, all in good condition; a picturesque place, easy distance to New York City, one block from trolley line; five minutes' walk to Erie Depot. The owner is selling on account of old age. Advertiser has been established for past 40 years. Address, J. G. Perry, Schuyler ave., Kearney, N. J.

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. E., care The Florists' Exchange

SUNDRIES FOR SALE

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 76 ft. high; tank capacity, 5,000 gallons. Also a 2½ h.p. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Bean, Larchmont, N. Y.

FOR SALE—No. 6 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—200 boxes of glass, 16x18 and 16x24; 15,000 feet of 2-in. wrought pipe; three No. 17, two No. 16 Hitchings boilers and 2 sectional boilers. 1000 feet of ventilating apparatus and sash; also all kinds of other material. Complete greenhouses, 300 boxes glass, 10x12 and 10x14; August delivery; everything cheap. Suessermann, 229 Livingston st., or P. O. Box 293, Newark, N. J.

FOR SALE—One Holly hot water Circulator with electric motor attached; guaranteed to be in first-class working order, 150 gallons per minute, is as good as new. Cost $250—will sell for $100. Also one-half h.p. Electric Motor and steel blower for burning coal screenings. f.o.b. cars or steamer. Apply to Carl Beers, Bangor, Me.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. **KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.**

SUNDRIES FOR SALE

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($35.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass, 10x12, at $1.25 each. Extra for boxes, 20 cents.

ROBT. A. ELLIOTT, Morristown, N. J.

Please mention the Exchange when writing.

FOR SALE—ONE RICHARDSON SECTIONAL HOT WATER BOILER No. 830, capacity 2880 sq. ft., or about 4800 feet of two inch pipe; the boiler only used two seasons; guaranteed. The price $150.00, delivered on cars. JOHN M. HUNTER, Englewood, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. F., care The Florists' Exchange.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. preasure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Randolph Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

Newport, R. I.

The Fresh Air Board Association of the King's Daughters and Sons of Rhode Island, at a meeting held in Providence July 15, planned to observe Saturday, July 30, as "Carnation Day," the object of the Board being to raise money to enable it to carry on its work. It seems too bad that such a late date should have been selected, as Carnations at the end of July are not to be compared to those on the market earlier in the season.

If the insect pests on trees continue to increase as they have been doing for the past few years it will be impossible to have any decent foliage unless spraying is resorted to; and although spraying is being done the pests seem to increase in number. Those doing most damage here are the tussock moth and Elm leaf beetle. One thing to be thankful for is that the Beech trees have, for this year at least, escaped their annual visitation of the aphis. And, by the way, some growers report having had good success with Aphine, the new insecticide.

The flower trade is still a little slow, society not having started in to entertain in earnest, small affairs only being the rule.

The premium lists for the Horticultural Society's Fall show are ready, and copies of same can be had by addressing the secretary, Daniel J. Coughlin, Bellevue Ave., Newport, R. I.

The date of the show is September 17 to 20. There are 9 special classes which include two silver cups, and they, as well as the other premiums, will be well worth competing for. ALEX. MACLELLAN.

Good News from Mukden, China

A customer of Ellwanger & Barry, the well-known nurserymen of Rochester, N. Y., writes from Mukden, China: "The shipment you consigned to me under date of February 17 arrived here on the 27th of May. Long delays were caused by the avalanches on the Pacific Coast and to a delay in trans-shipment at Kobe. In spite of these delays the stock arrived in excellent condition and at the present time fully two-thirds have developed strong buds and shoots."

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. Bride, Bridesmaid, Carnot, Golden Gate and Kaiserin, $6.00 per 100.

GRAFTED, Fine Stock

White Killarney, 3½-in. pots, $20.00 per 100. Pink Killarney, 3-in. pots, $18.00 per 100. Bride, Bridesmaid, Golden Gate, Kaiserin, Carnot from 3½-in. pots, $17.00 per 100.

Enchanter, Mrs. Jardin, Rhea Reid, Wootton, from 3-in. pots, $15.00 per 100.

10,000 CANNAS

30 fine varieties, from 3½ inch pots, fine stock, $6.00 and $8.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2¼ and 2½ in. pots.

J. W. Childs, Lynnwood Hall, Mme. J. Rosette, Pacific Supreme, W. R. Buck, Yellow Eaton, $4.00 per 100; $35.00 per 1000.

Autumn Glory, Ada Spaulding, Collingfordii, Dorothy Devens, Early Snow, Grace Witney, Golden Dome, Geo. Kalb, Harry May, J. E. Lager, J. H. Troy, Maud Dean, Meta, Monrovia, Mrs. S. T. Murdock, Moneymaker, Mlle. A. Laurent, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Mme. Bergeman, Riverside, Robt. Halliday, The Harriott, Timothy Eaton, Wm. Duckham, White Shaw, fine stock, $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS

ASPARAGUS

	Per 100
Plumosus nanus, from 3-in. pots	$6.00
Plumosus nanus, from 2¼-in. pots	4.00
Sprengeri, from 2¼-in. pots	4.00

STEVIA COMPACTA

From 2¼-in. pots 3.00

POINSETTIAS

	Per 100
Fine stock, from 3-in. pots	$8.00
Fine stock, from 2½-in. pots	5.00

VIOLETS

Marie Louise, from 2¼-in. pots $25.00 per 1000 ..... 3.00

Prince of Wales, from 2½-in. pots. 4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.



Attendants at the Annual Meeting of the Cincinnati Florists' Society at Gus Adrian's, July 11, 1910

Photo by Chas. Hoffmeister.

Nassau County (N. Y.) Hort. Soc.

The regular meeting of the Society was held in Pembroke Hall, Glen Cove, July 12. Two new members were elected and two applications received. The judges for the exhibits were Messrs. Marshall, MacKenzie and Halloway and their decisions were as follows: 24 vars., first, G. Ashworth; 12 vars., first, J. McDonald. Society prizes: Best 6 vars. Sweet Peas, Spencer type, J. McDonald. Sweet Peas arranged for effect, G. Barton, with a splendid basket arrangement around a cane, using Ferns for greens. Cultural certificate was awarded G. Petroccia for Celery; honorable mention to same for Sweet Peas and Corn, and to O. Addor for Romaine or Cos Lettuce. The offer of a silver cup for our Fall show, from Stumpp & Walter Co., was received with applause. On Sept. 14 next, Mr. Farquhar of Boston will give us an illustrated lecture on Gardens of Italy. The Summer outing of the Society will be held at Oyster Bay, Aug. 3 next; and all anticipate a grand old time.

Prizes for next meeting will be given to Asters, best 12 white, best 12 pink, best 12, any color. A special prize was offered by H. Matz of Glen Cove for best 24 white Asters.

O. E. ADDOR, Cor. Secy.

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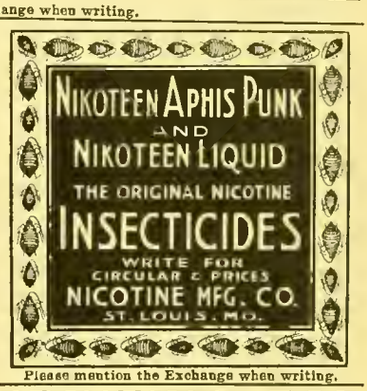

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26,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

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A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, **FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.**

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GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

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CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephones: 2617--2618 Main, Fort Hill 25290.

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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches. Roplngs made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Hope the Shower was Heavy

The bridesmaids, Miss Rosalind Munn and Miss Loreta Coffield, were also gowned in shower bouquets of pink Carnations and Sweet Peas.—*Ravenswood (Ill.) Citizen.*

Flowers on Lamp Posts

Every one who passed the corner of Ninth and Walnut sts. yesterday, says the Kansas City, Mo., Times of May 23, noticed the flowers and vines in the urns on the ornamental lampposts in front of the Fidelity Trust Building. There are eight of the poles, four on the Walnut st. side of the building, and four on the Ninth st. side. The urns are just underneath the lamps. Blooming Geraniums, Lantana and other plants fill the urns and a trailing fringe of green and white leaved Vinca vine drapes down a foot or



more around the edges of each. The flowers and vines are planted in wire baskets, semi-circular in shape, so that two just fill each urn. When the flowers in one lose their fragrance, it is to be replaced immediately by another. A sufficient number of baskets are being tended by a gardener so that fresh flowers always will be in the urns. The flowers were chosen because of their ability to withstand the sun and winds and it is not expected to be necessary to replace the baskets more than three or four times in the Summer. The insides of the iron urns are lined with moss to protect the roots from the heat of the metal.

The idea to have the flowers on the poles was obtained from public buildings in Europe by Henry C. Flower, president of the Fidelity Trust Company.

Gloversville, N. Y.

George Main, who for years has conducted a successful business on North st., has disposed of the property to Henry C. McLean and is preparing to join a colony established near Washington, D. C., as soon as he can close out his stock. The grounds will be divided into building lots. The colony Mr. Main proposes to join occupies a tract of some twenty-five acres and is composed of followers of Koresh, called Koreshians, who believe that Koreshanity includes both the science of life and its application. It is called by its advocates the coming scientific religion. Its devotees believe that the earth is a hollow sphere and is inhabited on the inside.

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Three Grades—Lowest Prices—Quick Delivery

We pay the freight on orders for $15 00 or more

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Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

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10,000, $1.75; 50,000, $7.50

Manufactured by

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Samples free. For sale by dealers

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Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

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New Crop Ferns

FANCY and DAGGER

Now ready for shipment.

Price, $1.25 per 1000

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GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

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We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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56 Pine Street, NEW YORK

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Field-Grown Carnations
FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Apple Blossom	6.00	50.00
White Perfection	7.00	60.00
Snow Flake	$6.00	$50.00
Georgia	6.00	60.00
Mrs. J. C. Vaughan	6.00	50.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	60.00
Ruby	6.00	50.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock, ready for shipment at an early date. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.

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Carnation Plants
Clean, healthy, field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$80.00
Rose Pink Enchantress	6.00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60.00
Bountiful	6.00	60.00
Boston Market	5.00	50.50
White Lawson	5.00	50.00
Lawson	5.00	50.00
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	5.00	50.00
Winsor	6.00	60.00
Yellow Beauty	6.00	60.00
M. A. Patten	6.00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.

Carnations
F. Dorner & Sons Co.
LA FAYETTE, INDIANA

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CHICAGO CARNATION CO.
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SHASTA
For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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FIELD-GROWN Carnation Plants
Victory, Pink Enchantress and **White Queen.** Ready after July 15th. Strong, well-branched plants, $5.00 per 100.

PETER WENK, OZONE PARK, (L. I.) N. Y

CARNATIONS

	100
2000 Afterglow	$4.00
2000 Rose Enchantress	4.00
1000 Beacon	4.00
500 Patten	4.00

QUIDNICK GREENHOUSES, J. H. Cushlag Prop.
QUIDNICK (Anthony P. O.) R. I.

Field-Grown Carnations
10,000 **White Enchantress,** 10,000 **White Perfection,** 8,000 **R. P. Enchantress,** 7,000 **Enchantress,** 4 000 **Victory,** 12,000 **Winona,** 5,000 **Lawson Enchantress,** 2,500 **Winsor,** 300 **Beacon.** Limestone land; no stem rot.

$6.00 per 100, $50.00 per 1000.
250 at 1000 rates. Cash.

Wells-Fargo, U. S., and American Express.

W. SABRANSKY, Kenton, Ohio.

Field-Grown Carnation Plants

ALVINA (The Best) Dark Pink
Ready now or will hold until you are ready.

Plants now with 10-20 shoots ..... $10.00 per 100,
Plants now with 5-10 shoots ..... 7.50 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Greenhouses Building

BUFFALO, N. Y.—The greenhouses at Delaware and Humboldt parks are to be added to.

DOYLESTOWN, PA.—Mrs. E. D. Darlington is making additions to her greenhouses.

ROCHESTER, N. H.—Elihu A Corson is to add another greenhouse to his establishment.

ROCHESTER, N. H.—E. A. Corson is to erect another greenhouse near his residence on Autumn st.

TEWKSBURY, MASS.—Geo. Foster is enlarging his greenhouses. J. K. Chandler is building a new greenhouse.

LIBERTYVILLE, ILL.—J. L. Meredith is having a greenhouse built in the shape of the letter L. The main building will be 14x60 and the wing 14x36.

PORTSMOUTH, MASS.—Stewart Ritchie has completed his seventh greenhouse. The building is 28½x100 ft. and will be devoted to Chrysanthemums.

KEENE, N. H.—Ellis Bros. & Co. are rebuilding one of their greenhouses and enlarging their plant in other ways; a new storehouse and shed are also being erected.

FINDLAY, O.—J. J. Waaland has just completed extensive improvements in his establishment on East Front st. which will add greatly to his facilities. He has erected two new buildings, one 20x70, and the other 10x40 ft.

BALTIMORE, MD.—The greenhouse at the northwest corner of Dolphin and Bolton sts., which has been an old landmark of that neighborhood for many years, has been razed. Chas. A. Fox, one of the oldest florists in the city, established the business there in 1860. Now the demands on his facilities call for larger and more modern quarters, which he has begun to erect. The new buildings will consist of a modern three-story dwelling, office and greenhouses. The buildings will be of Roman brick, trimmed with brownstone. The improvement will cost between $15,000 and $20,000 and are expected to be completed about the latter part of November. The lot is 40x100 ft.

New Orleans Horticultural Society

The 25th annual meeting and election of officers of this Society was held at Gundorf's restaurant at West End, Thursday, July 21, at 7.30 p. m. At the same place, and later in the evening, the annual banquet was held.

CRESCENT CITY.

20,000 CHRYSANTHEMUM STOCK
PRICES:—In lots of 1000, $20.00 per 1000; in lots of 2000, at rate of $17.50 per 1000. This stock has been propogated for late planting and is not drawn and hard.

2¼-INCH POTS

PINK	Per 100
Glory of Pacific	$2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
October Sunshine	2.50
Golden Glow	2.50
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

WHITE	Per 100
Alice Byron	$2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall	Mrs. Kahn
Golden Glow	Money Maker
Yellow Miller	President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

EDWARD J. TAYLOR, Greens Farms, Conn.

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ORCHIDS
Just arrived in fine condition.

Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

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PLANTS and **FLOWERS** always on hand.

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ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.

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and 268 Broadway, Room 721, New York City

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Chrysanthemums—Stevias
2000 **Bonnaffon** left; good plants at $20.00 per 1000.

STEVIA, Green and Variegated, out of 2½-in. pots, at $20.00 per 1000.

CHARLES ZIMMER
West Collingswood, N. J.

Please mention the Exchange when writing.

FLORISTS' MUMS
For further particulars see Stock for Sale columns, page 130

Elmer D. Smith & Co.
ADRIAN, MICH.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS
White: Baby Margaret, Touset, A. Byron, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Rosette.
Yellow: Golden Glow (very early), M. Bonnaffon, Cremo, Robt. Halliday, Yellow Jones. Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

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ORCHIDS—ORCHIDS
FRESH ARRIVALS EVERY WEEK

CATTLEYAS: Trianæ, Schroederæ, Mendelii, Gigas, Hardyana type, Gigas Sanderiana, Percivaliana, Speciosissima, Bowringiana and Aurea.

DENDROBIUMS: Thrysiflorum, Cambridgeanum, Crassenode.

RENANTHERA Imschootiana. MILTONIAS Vexillaria and Roezlii.

CYPRIPEDIUMS Bellatulum and Charlsworthii.

COELOGYNE Cristata, 400 bulbs, strong plants, $10.00 each.

ALL READY TO POT.

G. L. FREEMAN CO., Fall River, Mass.

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ORCHIDS
Special low offer for balance of this month only.

Cattleya Trianae. In fine condition. In cases of 400 bulbs, 40 to 50 plants, @ $40.00.

Cattleya Schroederae (The Easter Cattleya). Fine plants. In cases of 400 bulbs @ $65.00.

Cattleya speciosissima. Fine plants. In cases of 400 bulbs @ $48.00.

Cattleya labiata. A few cases only. In cases of 400 bulbs @ $50.00.

Dendrobium formosum giganteum. Finest white Orchid there is for cut flowers. Plants with 6 to 8 bulbs, $125.00 per 100; plants with 9-12 bulbs, $200.00 per 100.

NO DISCOUNT OF ANY KIND WILL BE ALLOWED ON THESE PRICES

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Orchid Growers and Importers SUMMIT, N. J.
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Neph. Scholzeli
2¼-in. pots, strong plants...$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$8.00 per doz.; $45.00 per 100

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000

Neph. Todeaoides
2¼-in. pots, strong .....$8.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100

Neph. Compacta
2¼-in. pots, strong plants.$15.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 8 plants to pot, 30-34 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
8-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $38.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
4-in. pots, very strong ....$25.00 per 100; $225.00 per 1000
5-in. pots, very strong.....$50.00 per 100
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.
7-in. pots .....$9.00 per doz.; $70.00 per 100

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(5) **Spiræa Anthony Waterer.**—When was this variety sent out? Can you oblige?—A. C. H., Pa.

—I should say about fifteen years ago. When in England about that many years ago, I saw it at Anthony Waterer's Nursery. It was then about being distributed, I believe. J. M.

(6) **Specimens for Names.**—J. McG., Mass.

—The names of your specimens are as follows: 1, Liriodendron tulipifera; 2, Symphoricarpus vulgaris; 3, Looks like Syringa Japonica; 4, Bocconia cordata; 5, Calycanthus occidentalis; 6, Spiræa Billardi; 7, Syringa Persica; 8, Cratægus, probably variety Crus-galli; 9, Deutzia Pride of Rochester; 10, Cornus, probably paniculata; 11, Ptelea trifollata; 12, Cannot determine; 13, Populus of some species; 14, Looks like Cornus sericea; 15, Populus of some kind; 16, Cornus alba; 17, Looks like a Salix of some kind. J. M.

(7) **Oyster Shells and Tobacco Stems as Fertilizers.**—Would you kindly answer the following questions regarding ground oyster shells and cut tobacco ribs as fertilizer? What value do pulverized oyster shells possess as fertilizer? I can procure a quantity at $4 per ton. Is this too much considering the chemical ingredients? What do tobacco ribs contain in the way of value as fertilizer, and what is a fair figure to pay for same from the tobacco stripping factories?—X. Y. Z., Penna.

—Lime is a direct food for the higher order of plants. It is also an indirect food by transforming or setting free other soil ingredients which plants require. It aids in transforming the nitrogen of organic matter, and ammonium salts, into nitric acid, which in combination with potash, soda, lime and magnesia furnish most plants the major portion of their nitrogen. It overcomes the poisonous tendency of noxious iron compounds, and it prevents the formation of sour humus. It makes clay soils more friable and sandy soils more compact. Lime is usually applied at the rate of ½ to 2½ tons per acre, at intervals of from four to six years. It is valuable in preparing composts, mixed in layers with loam, weeds, muck, coarse stable manure and other vegetable or animal matter. It forms, in a few months, if kept moist, an excellent material for the use of gardeners. On sandy soils it is applied with greatest safety after composting with organic matter. The price per ton quoted appears reasonable. As regards tobacco stems, the following is an analysis:

Water	13.47
Organic and Volatile matters (containing Nitrogen 1.93)	70.85
Ash (Containing phosphoric acid .53)	15.68
	100.00

The value of tobacco stems as a fertilizer would be in the nitrogen and phosphoric acid. The price of tobacco stems at the factory is about $10 per ton.

(8) **Strawberry Growing.**—What are the best varieties of Strawberries to grow for private use and how should I prepare the ground for them?—M. J., Mass.

—The number of varieties of good Strawberries is very large, and much depends upon location. The following are standard varieties: Marshall, Gandy, Climax, Nick Ohmer, Brandywine, Haverland, and Early Hathaway. Send for and consult the Strawberry catalogs for full information. Make the land very rich and mellow, and set young plants in Spring or, for quicker results, potted plants in the last of August, in rows three feet apart, with the plants eighteen inches apart in the row; if land is limited, reduce distance to 2½ ft. x 15 in. Set the plants very firmly.

(9) **Fixing a Type.**—Trying to perfect a certain type and color in a Dahlia. Rose bushes turn black close to ground and die the second year. They are subjected to a freeze after a warm spell of weather in Spring.—A. L., Cal.

—In order to secure a constant color in your Dahlia we see no other way than to continue selecting until you have obtained a stock which always gives blooms of the same color on all of its branches.

Either the sap started up in your Rose bushes when the warm spell came on, and they were killed by the subsequent freeze, or more probably they died of some fungoid disease. If the former, protect them from the sudden change; if the latter, spray with Bordeaux Mixture.

(10) **Draining a Nursery.**—What is the best way to make a drain for draining a nursery and flower garden where very small stock is grown? If tile is used what kind and how placed? Do Raspberries and Blackberries do well in the above soil?—M. J., Mass.

Use ordinary agricultural drain tile, laid three feet deep, end to end, with a flat stone underneath where the two ends join. Aim to give slope to the drain so that, if possible, the water will be carried off to an open drain or brook. The number of tile drains and manner of laying can only be determined by viewing the location. Raspberries and Blackberries will both do well in the soil you describe, if properly drained.

(11) **Spiræa Gladstone.**—Please tell me how to treat or handle Spiræa Gladstone left over from last year. Can it be put in the field and lifted in the Fall, or will it be all right grown on in pots and given a shift in November to larger size?—A. P. P., N. Y.

—It is now so late that it is suggested you carry on the Spiræa Gladstone in pots, plunged outside, and kept well watered and given a shift later on.

(12) **Aegopodium podograria variegatum.**—H. B. W., N. Y.

—The specimen for identification has been identified by my assistant, Mr. Ricker, as Aegopodium podograria variegatum. This is an umbelliferous herbaceous perennial introduced from Europe, and is quite frequent in cultivation. W. F. WIGHT,
Botanist in Charge of Economic Collections, Washington, D. C.

(13) **Bonemeal for Carnations.**—How will it affect Carnations to use bonemeal alone? In this section stable manure is very scarce as they are all farmers here and use all they have. Could I mix all bonemeal with the soil, with good results, or would I have to use manure with it? What quantity of bonemeal would I have to use on the benches, 70 by 5 ft.?—A. C. W., N. Y.

—A good quality of ground bone, or bonemeal is beneficial as a fertilizer for Carnations, though it is preferable to work up some stable manure in the compost first, this being done either by plowing in the manure in the field or applying it in the compost heap, as may be most convenient. The bone should be applied after the soil is brought into the house and worked into the bench with a rake; a fair proportion would be 50 pounds of the bonemeal to a bench 70x5 ft.—W. H. T.

(14) **Chrysanthemum Rust.**—How do you use potassium in spraying for 'Mum rust?—W. G. E., N. J.

—This pest at one time threatened to spread over France and England, and produce havoc among Chrysanthemums, but it has since been brought under control. Spraying with potassium sulphide solution is recommended, especially upon apparently clean leaves, while rusted leaves should be carefully removed. Dissolve one ounce of potassium sulphide, popularly known as "liver of sulphur," in a quart of hot water, then make it up to two and a half gallons with cold water. Useful to check the spread of an epidemic and proved successful against Chrysanthemum rust.—Dr. H. C. Cooke.

(15) **Cut Flowers from Outdoors in Succession.**—Please give me a list of flowers that can be grown outofdoors to give a succession of cut flowers from early Spring until frost.—W. S. W., N. J.

—In bulbs use the following, planting them the last of October: Hyacinths, Tulips, Narcissus, Japan Lilies. For a Summer bulb use Gladioli. In hardy herbaceous plants use double Pyrethrum, including Feverfew, Gaillardias, Coreopsis, Digitalis, Delphinium, Campanula and Antirrhinum. Try pink and white Maman Cochet Roses, fertilizing highly and giving careful culture, with protection in Winter. Plant out beds of Heliotrope after frosts are over, also beds of Sweet-scented Geraniums and Lemon Verbenas for greens. For annuals use Mignonette, Nasturtiums, Phlox Drummondii, Asters and Marigolds. Sow Pansies the last of August, and transplant into cold frames, and Winter over these. Plant Sweet Peas as early in the Spring as the ground can possibly be worked.

(16) **The Flowering of Peonies.**—If I plant divisions of Peonies this Fall when should they bloom, or what age roots should be planted to give flowers next Spring?—W. S. W., N. J.

—Peony divisions with three or more eyes will, if planted this September, give some blooms next year. Undivided clumps would give still better results. In either case the yield will not be as great the first year as later.

(17) **Herbaceous Plants for the South.**—Kindly name 30 to 40 different kinds of the best herbaceous plants to give a good Spring effect in southern part of Georgia. Would terrestrial Orchids be a success? If so let me know what kinds. I would like the collection of herbaceous plants to give a good color effect, and be suitable for an ornamental terrace garden, 80x110 ft.—L. L., Ga.

—Assuming that hardy herbaceous plants are desired the following are suggested: Achillea, Aquilegia, Coreopsis, Delphinium, Digitalis, Gaillardia, Japan Iris, Tritoma, Anemone Queen Charlotte and Whirlwind, Campanula persicifolia and media, Hardy Chrysanthemums, Hardy Carnations, Hollyhocks, German Iris, Lilium auratum, Lilium speciosum of different colors, and Lilium tigrinum, Peonies of different colors, Oriental Poppies, Hardy Phlox of different colors, double and single Pyrethrum in different colors, Asclepias tuberosa, Boltonia, Gypsophila, Heuchera sanguinea, Helianthus multiflorus, Funkia, white, blue and "variegata," Hemerocallis fulva and flava, Lychnis, Monarda, Lobelia cardinalis, Hypericum Moserianum, Platycodon, Sweet Williams, Lily of the Valley and a variety of Narcissus.

Terrestrial Orchids require much attention in the matter of soil, location, etc., and would be more difficult to handle than the herbaceous plants here named.

(18) **Candytuft.**—I want to sow seed of hardy perennial Candytuft in a cold frame, there to Winter and give blossoms for next Memorial Day. Can this be done, and when should seeds be planted?—S. E. B., Mass.

—Sow the Candytuft seeds in the cold frames now; thin the plants so they will stand about 5" apart each way, and protect somewhat during the first Winter. Hardy Candytuft is usually grown in the open border or bed. The annual Candytuft will give nice blooms for cutting from May to July, if sown in early Autumn, and the plants slightly protected from the sun during the Winter. A cold frame should give good results. Sow and thin and handle as directed above.

(19) **Poinsettias, Distance Apart to Plant.**—What is the proper distance apart to plant Poinsettias on the bench? —E. J.

—Eight inches apart one way and nine inches the other.

(The above reply also answers E. Y. of N. Y.)

(20) **Consigning Aster Blooms.**—Please recommend to us some good firm to whom we may send our Aster blooms to be sold on commission.—P. D. H., N. Y.

—We recommend that you enter into correspondence with any of the wholesale commission men who advertise in The Florists' Exchange; they are all responsible business men.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.
Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.
LAGER & HURRELL
SUMMIT, N. J.
Please mention the Exchange when writing.

Carnations and Chrysanthemums in the Far South

We have an inquiry from a subscriber at to what varieties of Carnations and Chrysanthemums will do well in the far South—say from south of Florida down. Any information that can be vouchsafed by those of our readers who have had experience will be received with thanks.

CLEMATIS paniculatn, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
ROSE GERANIUMS, 3-in. pots, $4.00 per 100.
CHRYSANTHEMUMS, Golden Glow, White Cloud, Pacific Supreme, Ivory, Lulu and **Klondike,** 2½-in. pots, $3.00 per 100.
BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.
FERNS, Assorted Varieties, 2½-in .pots, $3.00 per 100; 3-in. pots, $4.00 per 100.
SALVIA Bonfire, 3-in. pots, $3.00 per 100.
PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen.
ACALYPHA, 3-in. pots, $4.00 per 100.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
MOSCHOSMA riparium, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

WANTED
W. H. Lincoln Chrysanthemums, 2 or 2½-in. stock

SEASONABLE PLANTS

	Per 100
Stevia, rooted cuttings, by mail, prepaid	$0.75
Chinese Primroses, 2-in	2.00
Primula Forbesii, 2-in	2.00

Cash with order.
BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS
DRACAENA Indivisa, 4-in. 10c., 3-in. 5c., 5-in. 20c.
CANNAS, 3-in., **Egandale, Harum and Marlborough,** 3c.
SALVIA, 3-in. 3c., 4-in. 6c.
VINCAS, 4-in. 8c., 5-in. 12c.
ENGLISH IVY, R. C., Grsen or Variegated, 75c. per 100.
ASPARAGUS Sprengeri, 2-in., $1.75 per 100.
SMALL MIXED FERNS, 2-in. 2c.
J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

PALMS, FERNS
and
Decorative Plants
JOHN SCOTT
Rutland Rd. & E. 45th St., BROOKLYN, N.Y.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine **KENTIAS**
Send for Price List

Please mention the Exchange when writing.

VIOLETS—VIOLETS
Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.
Cash with order.
WM. J. CHINNICK, Trenton, N.J.

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CYCLAMEN
Splendens Giganteum Hybrids
The strain which I offer is unsurpassable, in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

Primula obconica grandiflora Ronsdorfer and Lattmans Hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Cincinnati

Business for the past week was fair; this is the stereotyped report we will give until the Autumn days make their appearance, and these are not so far away. American Beauty are selling well, and more Bride could be used, Carnations are also selling, and more white could be used.

These are the days when the wholesaler, the retailer and the grower have a little recreation, and can say that their lives are their own.

Thursday, July 21, is the big day for the florists of Cincinnati, when the Society holds its annual outing at the Carthage Country Club. If the weather is favorable, which we all hope it will be, it is the opinion there will be a good turnout, and I am sure that every one will enjoy the outing on the beautiful Country Club grounds.

Mr. and Mrs. E. G. Gillett and little daughter, Miss Rosalia, left Saturday evening, July 16, for Traverse City, Mich., to be gone until August 1, and the best wishes of all go with them for a good time. It is hoped E. G. will drop the cares of business for a few weeks, so as to feel more like starting in when the season opens; he also expects to do considerable fishing.

R. D. Ruttle, one of Covington's (Ky.) leading florists, has returned from the Elks' convention and reports having had a very delightful time.

Joe Grimm, R. D. Ruttle's buyer, reports having been unusually busy last week with funeral work.

Carrie Hoffmeister has left for a tour of the Lakes, to be gone an indefinite time.

Miss Stell Kyrk, sister of Miss Edith Kyrk, well-known florists of Avondale, left for Washington, Ind. Miss Kyrk is just recovering from a severe attack of rheumatism, and it is hoped she will regain her health by taking a good long rest.

S. R. Lundy, representative of W. A. Manda of S. Orange, N. J., was in the city on the 18th.

C. E. Critchell is getting in a nice lot of new Galax and expects to have new Leucothoe sprays the latter part of the month.

Mrs. Anna Garges, a Central ave. florist, reports that her handsome new St. Louise flat at College Hill is nearing completion.

E. G. Gillett's wire department is busy with a large order of wire work for Heller Bros., Rose growers, New Castle, Ind.

Miss Margaret Anstead is now well, and is managing Mr. Gillett's business during his absence. E. G. GILLETT.

New Orleans

In the partly demolished Horticultural Hall at Audubon Park is to be seen a fine plant of Asparagus Duchenii with growths thirty feet long, climbing over the pipes. This impresses one as being in all its parts a giant Sprengeri, but it can be seen that it will never become as useful a plant as this latter ever popular Asparagus. Another noticeable plant was a fine well-colored specimen of Pandanns Sanderi; one seldom finds this catalogued any more, but to see it growing at the park, among a lot of Veitchii, it showed in a striking way its superiority over its congener.

Mr. Dressel, the expert Rose grower at the Metairie Ridge Nursery, is rather taken up with the new red Rose Chatean de Clois Vougeat; they are also trying several other new varieties. In a bed of Killarney, both grafted and own root plants, the verdict is so far in favor of the grafted stock, but anything in the shape of a Rose is bound to do well when it gets in the hands of Dressel.

A. E. Weller, for many years head gardener at Audubon Park, has charge of the nursery department at Metairie Ridge; he is an expert budder and grafter and has been very busy lately budding Roses and grafting rare varieties of shrubs which are found diffienlt to either propagate by layering or to raise from cuttings.

One of the good things in the shrub line for Summer flowering which President Papworth values very much is Escallonia floribunda, a really valuable shrub, which I believe will not adapt itself to northern Winters. Mr. Papworth has added a fine modern greenhouse to the range and he is proud of having built it with the nursery force of workmen. The center bed in this house is planted with Chrysanthemum Elise Papworth, which E. G. Hill named after Mr. Papworth's little daughter.

Miss Kate Rehm, accompanied by the three Misses Virgin, left during the past week to spend the Summer in the mountains at Gadsden, Ala.

Mr. and Mrs. Virgin will attend the convention at Rochester and take in points of interest in the North and West.

A striking sight as one passes the Virgins' gardens at the present time are long beds of the single Mexican Tuberoses, which are always a mass of bloom, and which is undoubtedly the only variety worth growing in the southern States. CRESCENT CITY.

PORTLAND, ORE. Through a fire which occurred July 14 George Otten, florist, suffered a lost of $10,000.

ST. ALBANS, VT.—Henry Bryant of Congress st. has transferred his business to George Cooke of South Main st., who will take possession of the same July 30, and carry it on in connection with his own greenhouses.



We Take the Lead
IN WHAT?
WHAT FOOLISH TALK!
In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.
Robusta Compacta and **Excelsa Glauca,** 6-in. pots, $1.00 to $1.25.
KENTIA Forsteriana, in fine shape, 4-5-6 year old, 6-7 in. pots, 30-35-40-45 in. high, 75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.
KENTIA Belmoreana, 4-5-6 year old, 5½-6-7 in. pots, 25-30-35-40 in. high, 50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.
STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.
NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Schulzeli,** 5½ to 6-in. pots, 35c.-40c.-50c.; **Scottii** and **Whitmani,** 5½ to 6-in., 35c.-40c.-50c.
BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.

Our well known strain, **SOLANUM MULTIFLORA (Jerusalem Cherries)** always full of large berries, 2½-in. pots, $5.00 per 100.

CANNAS, two best red varieties, such as **Richard Wallace** and **J. D. Eisele,** big plants in bud and bloom, 4-in. strong, $7.00 per 100.
SCARLET SAGE, Clara Bedman, 4-in., $7.00 per 100.
LANTANAS, DOUBLE PETUNIAS, AGERATUM (blue), **FUCHSIAS,** in bloom; **White GERANIUMS,** double **La Favorite,** 4-in., $7.00 per 100 (7c.). **BEGONIA Vernon,** red and pink, 4-in. $7.00 per 100 (7c.), 2½-in. pots, $3.00 per 100.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 6-6½ in., in bloom, 15c.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

GODFREY ASCHMANN
Wholesale Grower and Importer of Pot Plants
1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

1000 BOUVARDIAS
Good, strong, 2¼-inch stock, just in right condition for benching, in **Red, White** and **Pink,** at $2.50 per 100, $20.00 per 1000. Also
CHRYSANTHEMUMS
as follows: 1500 Dr. Enguehard, 1200 C. Touset, 800 Polly Rose, 500 Glory Pacific, 300 Pacific Supreme, 400 Helen Frick, 400 White Robinson, 300 Monrovia, and 200 White Bonnaffon. All good strong stock, from 2¼ inch pots.

MOREL BROS.
622 East Market St., SCRANTON, PA.

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POINSETTIAS
Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.
WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

Please mention the Exchange when writing.

FIELD PLANTS
STEVIA Compacta, $10.00 per 100.
VIOLETS, Prince of Wales, $7.00 per 100.
CARNATIONS, Enchantress, Beacon, Rose Enchantress, White Perfection, $6.00 per 100.

Rooted Chrysanthemum Cuttings Still

WHITE.
October Frost, Nonin, Virginia Poehlmann, Wanamaker, Burton, Chadwick.

YELLOW.
Monrovia, Golden Glow, Appleton, Golden Eagle.

PINK.
Roslere, Dr. Enguehard, Bailey.

All at $2.00 per 100 except Virginia Poehlmann and Golden Eagle, which are $3.00 and $4.00, respectively.

Pot plants of above sold out; only strong rooted cuttings can be furnished, and those up to August 15.

I. M. RAYNER
Greenport, L. I., N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and **Golden Gate,** 3-in., $5.00 per 100.
DRACAENA Indivisa, 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each.
VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.



NEW YORK, July 20.—The arrivals of all kinds of flowers, except Gladioli, have shortened very perceptibly. The demand holds about the same. Prices, therefore, though not advancing, except in the case of Lilies are somewhat firmer. The market cleans up better, and by 11 a.m. the business for the day is practically over. At the present time, both on account of the fine blooms offered and their good keeping quality, Gladioli and Lilies are the King and Queen of the market.

The supply of American Beauty Roses is somewhat larger than last week and their quality no better; the demand is only moderate; some specials are selling at 25c. each, but most of sales are on a much lower basis; somewhere around the $1.50 per doz. mark.

Of other Roses only a few are arriving, and the quality is mostly poor, and on that account they move slowly. The following are the highest prices for the best grades obtainable: Killarney 5c., My Maryland 6c., Richmond 4c., Kaiserin 8c., Bride and Bridesmaid 3c. each. After the picking over and throwing away is completed the average price realized on the above will hardly reach the 2c. mark, and, in the case of Richmond, Bride and Bridesmaid, hardly 1c. each. The best prices are realized for good Kaiserin.

The supply of Carnations is small and the quality poor; more good ones could be used; the inferior article can hardly be moved. The best grade is realizing $1.50 per 100, the poorest about 25c. per 100.

Orchids are not plentiful but as the supply diminishes the demand also lessens and the prices remain unchanged at 25c. each for the lowest grade Cattleyas and 50c. each for the highest grades.

Gladioli is plentiful and the quality fine. It is at present a heavy seller, but at a gradually diminishing price. The highest grade realizes no more than 3c. and from that down to 1c. each.

Lilies are still abundant, but not quite so plentiful. The quality is all right, and the price has advanced to 6c. each for the highest grade. There are a few L. rubrum in the market; they fetch 3c. each.

Lily of the Valley is not very plentiful, but there is not much demand for it, and the highest grade hardly realizes 3c. each; 2c. each being the prevailing figure.

Some early Asters are coming in and are selling at from $1 to $2 per 100.

Sweet Peas are no longer the popular flower, and their quality at present is such that 40c. per dozen bunches is the top notch price, and from that down to 10c.

There is an oversupply of all greens, and very little demand at any price.

PHILADELPHIA, July 18.—Too much poor stock of most blooms arriving, and not enough good stock of some blooms, is about the situation in the cut flower market at present.

Saturday brought a slow market and a clean up at night was effected only by throwing away the poorer stock. Today the situation has not greatly improved and there is no reasonable expectation of any change in the immediate future.

The supply of American Beauty Roses and the demand for them is fairly well balanced, but neither is large. The few specials obtained by much selection in small sales bring $3 per dozen, but the basis of most sales is somewhere around the $2 per dozen mark, while the poorest grades sell as low as $2 per 100.

Of Killarney, My Maryland, Richmond, Kaiserin, Bride and Bridesmaid, it may be said there is too much of poor stock, which moves slowly, and not quite enough of the better grades. In pink Roses, Killarney, which retains its color, is the favorite in local orders, but My Maryland, which does not open up so much in transit, is the favorite for shipping. The supply of Kaiserin is short and more could be used. Bride and Bridesmaid are nearly all of the poorer grades and move very slowly.

The top notch price for the highest grade is as follows: Pink Killarney, 6c.; white Killarney, 4c.; My Maryland, 8c.; Kaiserin, 8c.; Richmond, 8c.; Bride and Bridesmaid, 4c. each.

The supply of Carnations is not abundant and the quality mostly very poor. More good blooms could be used and for the poor grades there is no demand. Very few sell above the $1 per 100 mark, and 2c. each is the highest price realized for the choicest blooms obtainable.

Supply and demand are about balanced as regards Orchids; neither is large. The highest price for the best grade is 60c. each.

Lilies are plentiful and are moving fairly well at about $1 per doz. for the best.

Much Lily of the Valley is very poor and meets with little favor; the highest grade sells at about $3 with a few sales at $4 per 100.

Gladioli are plentiful but, owing to their good keeping qualities in hot weather, they are moving moderately well and selling up rather close; 4c. each is about the highest price, though some high grade choice varieties realize 6c. each.

The combined hot weather and the recent heavy rains hereabouts have been injurious to Sweet Peas; good blooms are scarce and easily fetch 50c. per 100.

Asters, as yet, are arriving in only small numbers, and these of such quality that $2 per 100 is the best price for the highest grade.

Greens are abundant and are moving slowly.

BOSTON, July 19.—The market is practically at a standstill, and the excessive heat has been playing destruction with the keeping qualities of most flowers. Of some kinds there are plenty, but the quality is extremely poor. It would be much better for the grower to grade his flowers and consign the useless ones to the rubbish heap and save express expenses; the better grades would then bring improved prices.

This is a good time to take stock and look back over the business of the last year and to plan out improvements for the coming season. The retailer and wholesaler are the men who can post the growers as to which varieties are in most demand and what the public really ask for. This is the time to get together and talk the thing over in a friendly way; in Winter and Spring there is no time.

Good Roses are becoming quite scarce. Now is the time that tells what Roses are good Summer varieties. Those standing the test of the last two weeks will be all right for any Summer weather. The best keepers seem to be President Carnot, My Maryland and Kaiserin. Killarney has not the good keeping qualities of the above varieties. There are some American Beauty which bring fair prices. Prices on other kinds are away down and, in fact, most of them are unloaded for just what can be gotten for them.

Carnations are very poor quality; a few choice ones are seen from special growers who receive from $1 to $1.50 per 100.

Gladioli are quite good but prices are unsatisfactory. Lily of the Valley goes slow lately and prices are considerably lower.

Orchids are not in much demand. Water Lilies seem to be quite abundant and realize fairly good prices. Bouvardia Humboldtii makes a lovely white flower at this time and has good keeping qualities; it sells for 50c. per bunch.

Sweet Peas are not over abundant and the dry weather has shortened their stems somewhat. Prices are lower. Asters are scarce and of poor quality and in very little demand. There is some good Sweet Sultan and quite a good call for this flower. Asparagus and Adiantum are going slow.

R. C.

CHICAGO, July 19.—A decided change has been experienced. The great volume of stock obtainable a week ago has disappeared and, at the present time, not enough can be secured to meet demand. In good, usable flowers it is almost impossible to fill orders, with the exception of Gladioli, which are plentiful and excellent. Roses are missed more so than any other flowers; these are the most essential stock for all purposes and their scarcity is deeply regretted. American Beauty is commanding nearly double the price of a week ago, and orders received late in the day have to be cancelled. Long stemmed stock has soared to $4 and $5 per doz.; other Roses received are in poor condition.

Carnations, while having fallen off to less than half, are of such poor quality in nearly all cases that the buyers only resort to this stock when they can procure nothing else. The scarcity of other stock is a big incentive to move Carnations along.

Some Asters from the southern part of the State are arriving, but in very poor condition; even at this they are moving nicely at $1.50 to $2 per 100, when, if the flowers were good, $3 could be obtained easily. Gladioli are coming in for their share of sales, owing to the shortage of other stock, and are bringing from $3 to $6 per 100, according to varieties.

Some Peonies are to be had, but there is nothing favorable to say of them; the storage has certainly not benefited them this season after the frost biting they experienced in the bud. Lilies are to be had both in Harrisii and auratum and are meeting with favor for funeral work. Lily of the Valley is taking a decided rest after the prolonged demand of months. There is a showing of Hollyhocks that are being used for indoor display. The supply of miscellaneous stock is very limited in all lines.

Sweet Peas have no price—selling for 10c. per 100 to get rid of them, the quality does not warrant high prices.

Orchids are not as plentiful as they have been the past few weeks; more could be used if on the market. The price, however, remains about the same.

Outside of Ferns, greens are none too plentiful; this means that Ferns are moving rapidly.

INDIANAPOLIS, July 18.—Copious rains have had much influence upon the flower business of late. Field grown stock is mostly unfit for the market and weeds have the upper hand with many of the growers. Counter trade has been exceedingly light, as shoppers do not venture out in such unpleasant weather.

High grade flowers are difficult to obtain at any price but there is much inferior stock going to waste.

Harrisii Lilies at $10 per 100; auratum at $15 and rubrum and album at $5.00 to $7.50 per 100 are undoubtedly the choicest articles offered.

A few early Asters grace the counters at 50c. per doz., retail. Sweet Peas are hardly marketable at 25c. per 100.

The local Rose supply is insufficient as the houses are being cleared. The best Bride, Bridesmaid, Richmond and Killarney wholesale at $4 to $5 per 100. Fair Am. Beauty are received at $5 to $20 per 100.

The green goods market is well supplied and prices are reasonable.

I. B.

ST. LOUIS, July 18.—The weather last week was uncomfortably warm and, of course, a report of good business is out of the question; the complaint is general among the retailers. At the commission houses there is still a scarcity of first-class stock in Roses and Carnations, but an abundance of poor-grade stock is general at all four houses, with prices very low in everything. It would be useless to go into details to give the correct prices on any of the stock now in the market.

Gladioli seem more abundant than ever and are sold as low as $10 to $15 per 1000, and about 2c. each in small lots. Roses and Carnations are in plenty, but very poor in quality. Asters are not very fancy as yet, but these will soon be in quantity. There are plenty of greens in the market.

ST. PATRICK.

Coming Exhibitions

Lenox, Mass., July 28, 1910.—Summer exhibition of the Lenox Hort. Soc. at Town Hall. Geo. H. Instone, secy.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the American Gladiolus Society in connection with that of the S. A. F. L. Merton Gage, cor. secretary.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the Society of American Florists and Ornamental Horticulturists. Chas. H. Vick, Rochester, N. Y., Supt. of Trade Exhibit.

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Wholesale Prices of Cut Flowers, New York, July 20th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—			
A. Beauty fancy—spacial	10.00	to	25.00
" extra	8.00	to	10.00
" No. 1	6.00	to	8.00
" No. 2	3.00	to	5.00
" No. 3	1.00	to	3.00
Killarney	.50	to	5.00
White Killarney	.50	to	5.00
My Maryland	.50	to	6.00
Richmond	.25	to	4.00
Mme. Abel Chatenay	....	to	....
Kaiserin	.50	to	8.00
Golden Gate	....	to	....
Bride, Maid, fancy—spec.	....	to	....
" extra	1.00	to	3.00
" No. 1	.50	to	1.00
" No. 2	.25	to	.50
Adiantum	.50	to	.75
Crowesnum	....	to	1.00
Antirrhinum (per bunch)	....	to	....
Asparagus, cut strings	.25	to	.40
Plumosus, bunches	.12	to	.20
Sprengeri, bunches	.12	to	.20
Asters	1.00	to	2.00
Bouvardia	....	to	....
Callas	....	to	....
Daffodils	....	to	....
Daisies	....	to	....
Ferns, per 1000	1.50	to	2.00

CARNATIONS—			
Inferior grades, all colors	....	to	.25
Standard Varieties: White	.50	to	.75
Standard Varieties: Pinks	.50	to	.75
Standard Varieties: Red	.50	to	.75
Standard Varieties: Yel. & Var.	.50	to	.75
*Fancy (*The highest grades of Sta'd varieties): White	.75	to	1.50
*Fancy (*The highest grades of Sta'd varieties): Pinks	.75	to	1.50
*Fancy (*The highest grades of Sta'd varieties): Red	.75	to	1.50
*Fancy (*The highest grades of Sta'd varieties): Yel. & Var.	.75	to	1.50
Novelties	....	to	....
Gardenias, per doz.	....	to	....
Gladioli	1.00	to	3.00
Lilies, Harrisii and Longi.	4.00	to	6.00
Lily of the Valley	1.00	to	3.00
Mignonette, per doz.	....	to	....
Narcissus	....	to	....
Orchids, Cattleyas	25.00	to	50.00
Cypripediums, per doz.	....	to	....
Dendrobium Formosum	....	to	....
Pansies, per doz. bunches	....	to	....
Poinsettias, per doz.	....	to	....
Hyacinths	....	to	....
Smilax (per doz. strings)	1.00	to	1.50
Stevia, per bunch	....	to	....
Sweet Peas, per doz. bun.	.15	to	.40
Tulips	....	to	....
Iris	....	to	....
Peonies	....	to	....

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New York

The S. S. Pennock-Meehan Co., one of the most widely known firms in the country, with headquarters in Philadelphia and a branch at Washington, D. C., has leased a store in this city at 109 West 28th st. It will be open for business between Sept. 15 and Oct. 1. The manager of the new store will be Percy B. Rigby, treasurer of the Philadelphia establishment, but who, we understand, was originally a New York man.

The Growers' Cut Flower Co., 41 West 28th st., is receiving Gladioli in large numbers and in all the finest varieties.

Joseph Fenrich, of Henshaw & Fenrich, 51 West 28th st., has been spending a few days with his family on his farm at Crarysville, N. Y.

Charles Millang, Coogan Building, West 26th st., will cut out his vacation this year and will be found on deck each day catering to the Summer trade to which he gives especial attention.

P. J. Smith, 49 West 28th st., is receiving daily very large shipments of Lilies of the finest quality. Lilies are becoming the popular Summer flower, on account of their beauty and long keeping quality.

Charles Smith's Sons have finished their four new greenhouses, each 20x100, at Woodside, L. I. These are heated with hot water, and equipped with pecky Cypress benches, and will be used chiefly for growing Carnations.

A. Moltz, of A. Moltz & Co., 55-57 West 26th st., expects to attend the S. A. F. convention at Rochester.

Frank Millang of the Cut Flower Exchange, 55-57 West 26th st., is spending several days each week at Yorktown Heights, Westchester Co., N. Y., where his family is passing the Summer.

Conrad E. Schaeffer, Coogan Building, West 26th st., is taking a vacation up in the Catskills, and will not return till September.

George Saltford, having been installed in his new quarters at 129 West 28th st., with which he is much pleased, has gone away on his vacation to Rhinebeck, where he will remain a few weeks.

George Cotsonas, 127 West 28th st., expects to open his florists' supply department on the second floor of his new store, about Aug. 1. Andrew Cova will be the manager of this department. With its full glass front on both floors, together with its other equipments, Cotsonas' store is one of the finest wholesale florists' establishments in the city.

The family of M. C. Ford, 129 West 28th st., is passing the Summer in the Catskills at Stamford, N. Y., where he also passes with them the week ends.

Cornelius Whitbeck, Hillsdale, N. Y., has erected three new Violet houses, each 25x200, where he will raise Marie Louise and Swanley white Violets.

Between 9 and 10 p.m., July 15, the Y. M. C. A. of Tarrytown, N. Y., brought to a close an exciting seven days' campaign in which it succeeded in raising $115 over and above the amount necessary for a $100,000 building. The leaders in this strenuous effort, and to whom

much of the credit for the successful outcome is due, was Frank R. Pierson, mayor of Tarrytown and president of the S. A. F. John D. Rockefeller started the campaign with $35,000 on condition that the Y. M. C. A. raise the balauce of the $100,000 before 10 o'clock at night, July 15. At 9 o'clock of that evening $3,500 was still lacking, but with such a hustler as F. R. Pierson to head the movement, and with the aid of other hustlers, the Y. M. C. A. won out, and the new $100,000 building is assured.

Photographs of the N. Y. Florists' Club outing may be obtained of Jas. A. McCarty, 307 E. 134th st.

Carrillo & Baldwin, Mamaroneck, N. Y., the orchidists, have imported this season 1000 cases of Orchids. Of these 600 cases were of the popular Cattleya Trianæ. Their importations have arrived in fine condition and their sales are very satisfactory.

J. H. Pepper, of The Florists' Exchange staff, who, with one of his sons is enjoying a vacation in the Eastern Provinces, Canada, had the misfortune to lose his trunk in the disastrous pier fire on the North River, last Saturday, which also came near to destroying the steamer on which he sailed, the Harvard, of the Metropolitan line.

William Boettcher has been in business at 1594 Third ave. 20 years last January. The business is cut flowers and potted plants. In the back yard is a plant garden and small greenhouse connected with the store. Wm. Boettcher, the father, is taking a vacation at Rhinebeck, where he has charge of a large private estate.

Bowling

The following are the scores made Wednesday night, July 13:

Names	No. Games	Score	Total	Average
Berry	2	...-142-115-257		128
Fenrich	3	180-168-146-494		164
Einsman	3	121-125-182-428		142
Young, J.	2	117-116-...-233		116
Shaw	2	138-...-107-245		122
Faulkner	3	101- 89-147-337		112
Scott	3	137-126-124-387		127
Donaldson	3	221-159-195-575		191
Manda	3	139-174-161-474		158
Zangen	2	124-117-...-241		120
Young, R.	2	95- 96-...-191		95

Utica, N. Y.

On Wednesday, July 13, the Utica Florists' Club, by invitation, held their regular meeting at the home of Mr. R. Kilbourn on Elm st., Clinton, N. Y., about nine miles south of this city. There was a good attendance, including florists from Oneida, Canastota, Ilion and other places. At 9 p.m. a fine supper was served by Mr. Kilbourn, after which a business session was held and routine business transacted. The idea of having a dinner at the St. Charles Hotel, Sylvan Beach, Oneida Lake, in the near future, was talked over and the matter left open to be decided upon later. One new member was elected and five applications received. The Club still grows and is in a very prosperous condition. Informal talks were given by a number of those present. The meeting was a most enjoyable one for all and the hospitality of Mr. Kilbourn and his sisters will long be remembered. A number of pleasing selections were rendered by the Oneida Quartette which were much enjoyed by all.

W. K. Dobler, successor to Robt Boyce, 125 James st., is making some improvements to the place; he is quite busy getting ready to plant Carnations. The plants are fine. He has one house of Tomatoes now ready for market.

Joe Soder, for several years with Robt. Boyce as foreman will, on July 18, take charge of the greenhouses of J. C. Bigelow & Son on Sunset ave.

C. F. Seitzer has a fine house of Carnations planted and also a house of Smilax looking fine; he will now rush all of his Carnation planting; his stock thereof is as fine as can be seen anywhere.

Frank McGowan is also planting Carnations; these will be his main crop with Sweet Peas on the side, from which he has done well this season.

Wm. Mathews is now located in the next block, up the street from where he was in the Butterfield House as the latter was taken down to make room for a large department store; he certainly has one of the finest flower stores now in central New York with a fine window for display which he keeps looking attractively; his location is grand.

QUIZ.

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WHOLESALE GROWERS
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Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee July 15, 1910	Pittsburgh July 19, 1910	NAMES AND VARIETIES	Boston July 19, 1910	Detroit July 17, 1910	Cincinnati July 18, 1910
..... to 25.00	15.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	18.00 to 22.00	10.00 to 15.00
..... to 15.00	8.00 to 12.50	" extra	6.00 to 12.00	15.00 to 18.00	15.00 to 20.00
8.00 to 10.00	4.00 to 6.00	" No. 1	1.00 to 3.00	12.00 to 15.00	7.50 to 10.00
4.00 to 6.00	..... to	" No. 2	..... to	4.00 to 10.00	2.00 to 4.00
4.00 to 8.00	2.00 to 10.00	Killarney	.75 to 5.00	3.00 to 7.00	..... to .....
4.00 to 8.00	2.00 to 8.00	White Killarney	.75 to 5.00	3.00 to 7.00	..... to .....
..... to	..... to 6.00	Bride and Bridesmaid	.50 to 4.00	..... to	1.50 to 3.00
..... to	..... to	My Maryland	.75 to 5.00	3.00 to 7.00	..... to .....
4.00 to 6.00	2.00 to 8.00	Richmond	.75 to 5.00	3.00 to 8.00	2.00 to 3.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	4.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	.50 to 1.00	.75 to 1.50	..... to .....
..... to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	..... to	20.00 to 40.00	..... to .....
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	..... to	20.00 to 40.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Calla	..... to	..... to	..... to .....
..... to .50	..... to .60	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: White	.50 to 1.00	1.00 to 2.00	.50 to 1.00
..... to .50	1.00 to 1.50	Standard Varieties: Pink	.50 to 1.00	1.00 to 2.00	.50 to 1.00
..... to .50	1.00 to 1.50	Standard Varieties: Red	.50 to 1.00	1.00 to 2.00	..... to .50
..... to .50	1.00 to 1.50	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Std'd vars.) White	1.00 to 1.50	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Std'd vars.) Pink	1.00 to 1.50	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Std'd vars.) Red	1.00 to 1.50	1.50 to 2.50	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Std'd vars.) Yellow and var.	1.00 to 1.50	..... to	..... to .....
..... to .50	1.00 to 1.50	Daisies	..... to	.50 to 1.00	..... to .....
..... to .20	..... to	Ferns, hardy	..... to	..... to .15	1.00 to 1.25
..... to .20	..... to	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 4.00	4.00 to 6.00	Gladiolus	..... to	3.00 to 8.00	3.00 to 6.00
..... to 12.50	..... to 6.00	Lilies, Harrisii and Longi	4.00 to 6.00	12.50 to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 2.00	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	2.00 to 3.00	..... to .....
..... to	..... to 75.00	Orchids—Cattleyas	25.00 to 35.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to 6.00	Peonies	..... to	4.00 to 8.00	..... to .....
..... to 15.00	..... to 1.50	Smilax, (per doz. strings)	..... to	..... to 1.50	..... to 1.25
..... to .25	.25 to .50	Sweet Peas	..... to	.50 to .75	.25 to .35
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

Boston

The scorching heat and humid atmosphere of last week has been somewhat relieved by occasional light showers which cooled the air and made it more comfortable for those who had to stay in the city to look after the little business there is left.

The rains have not helped out the situation much as to the plants outdoors, and many crops are suffering badly. Sweet Peas are showing the effect of the drouth and the extremely hot sun has injured the flowers. The condition of Asters predicates a poor crop.

Business is exceedingly quiet and it would almost pay to shut up shop and go to the seashore for a few weeks.

On July 16 Hans Hanson of Malden sailed from New York for Denmark. He expects to return to his business early in the Fall.

W. R. Nicholson of Framingham has gone to Maine for a few days' fishing and boating.

Breton Woods, N. H., is the address of Charles Robinson for about the next month.

E. Allen Peirce is making arrangements for the Boston delegation to the Rochester Convention which, through his efforts, will be much larger than in former years. Those who intend going should communicate with Mr. Peirce at once; he will give information regarding hotels, rates and other matters and would like to hear from all concerned at earliest.

Joseph White of W. E. Doyle's is spending his vacation at Old Orchard, Me.

Martin Wax of Wax Brothers, Tremont st., has gone to Maine for a month. He is thoroughly enjoying the fishing and boating.

Will those who are to attend the Gardeners and Florists' picnic on July 27, at Pine Banks Park, Malden, take elevated trains to Sullivan Square? From there take Malden surface cars, getting off at sporting field entrance to the park. There will be twenty-two events and good prizes are offered. It is hoped everyone will get there by ten o'clock so that the sports may be begun early. There will be plenty of cool, refreshing drinks and other good things. Ladies and children are welcome and their comforts and wants will be well looked after.

Most of the Carnations coming into market are of very poor quality, but John Barr of South Natick has, somehow, the knack of growing good flowers in hot weather; they have stout stems and are of good color; he is getting good prices for them.

Zinn on Park st. has quite an attractive window and we noticed some fine bunches of the attractive Scabiosa Caucasica with its pleasing blue color; some hardy Gaillardias were also quite showy.

The windows of the retail stores should not be neglected; at this time they should be made as attractive as possible. Flowers are cheap and there is plenty of outdoor stock which make an attractive display and is always interesting.

Andrew Castle of Medford is now head gardener for Howard Marston, Centerville, Mass.

Water Lilies are made quite a feature in the retail florists' windows; during this weather they last well and always look cool and refreshing.

R. & J. Farquhar & Co. had a fine display this week, in their windows, of hardy perennials. We noted fine attractive bunches of the following kinds: Hemerocallis aurantiaca major, Pentstemon barbatus Torreyi, fine varieties of Larkspurs, Echinacea purpurea and many others.

John J. O'Brien, the Beacon st. florist, with his family is spending the Summer at their new bungalow at Hull, Mr. O'Brien going to Boston daily to attend to his business.

James Wheeler of Natick has just finished glazing and painting his new range and will in a few more days begin planting.

Arthur Cooledge of Watertown is busy repairing his range and two large houses are being glazed and painted throughout.

Don't forget the picnic; bring all your family, it only costs five cents to reach this fine park. There will be plenty of entertainment for young and old.

R. C.

Superior Wire Work
Send for catalogue.
All Cut Flowers in Season
E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. - CINCINNATI, OHIO.
Please mention the Exchange when writing.

New Bedford, Mass.

Things are moving pretty lively here for this season. Funeral work is plentiful. Good cut flowers are getting scarce, Carnations are still coming in but of poor quality and small Asters will be here to take their place in a few days. Carnations retail at 35c. per doz., Roses are very fair, $1 per doz. retail is the general price; they do not last very long this hot weather, though, and the store men only get enough to fill orders. Sweet Peas are plentiful, and sell at almost any old song; the general retail price is 50c. per 100, though they sell best put up in small bunches of 25 or so.

There are plenty outdoor flowers for making bouquets.

A. B. Hathaway is still cutting some fine Spencer Sweet Peas. He has had some of the grandest Peas around here this season.

The stores are closing Wednesday at 12.30 and at 6 at night.

E. H. Chamberlain has been receiving some nice yellow Centaureas from Mann Bros., Randolph, Mass.; they sell readily, too, at 25c. per doz.; they are double and are certainly handsome blooms.

Wm. E. Mosher gave away hundreds of bedding plants the last Saturday to contestants in the home gardens series; this is the second florist to follow the example, Wm. P. Peirce having started the plan, which is a very good one, too.

Stock in the fields is looking fine and, after the good heavy rain we had the past week, will go ahead rapidly now.

E. Y. Peirce reports business as fine; he is still picking fairly good Carnations.

R. H. Woodhouse has nearly finished planting his 'Mums; he will have over 5000; they are looking well, too. His Roses, just planted, are starting off promisingly.

S. S. Peckham will have a big block of 'Mums for cutting this Fall.

HORTICO.

THE AMERICAN CARNATION
Price $2.50
A. T. DE LA MARE PTG & PUB CO. LTD

ASTERS ALL COLORS
$1.50-$2.00 per 100.
Our supply is increasing every day.

GLADIOLUS
$4.00-$6.00 per 100.
All the best and most desirable varieties.

SUMMER BEAUTIES
$1.00-$3.00 per dozen.
As good as any grown in this section.

SWEET PEAS
50 cents-75 cents per 100.
Extra good flowers—long stems.

ROSE PLANTS

MY MARYLAND
1-year-old plants $8.00 per 100.

400 PINK KILLARNEY
3 inch pots $7.00 per 100.

WHITE KILLARNEY
1-year-old plants $18.00 per 100.

IVORY, 3 inch pots { 100 1000
GATES, 3 inch pots { $6.00 $50.00

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore July 18, 1910	Buffalo July 18, 1910	NAMES AND VARIETIES	Phil'delphia July 18, 1910	St. Louis July 18, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	10.00 to 15.00
..... to	12.00 to 15.00	" extra	12.00 to 15.00	8.00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	5.00 to 6.00
..... to	..... to	" No. 2	4.00 to 5.00	..... to .....
3.00 to 4.00	2.00 to 5.00	Killarney	1.00 to 6.00	2.00 to 4.00
3.00 to 4.00	2.00 to 7.00	White Killarney	1.00 to 5.00	2.00 to 4.00
..... to 4.00	..... to 7.00	Bride and Bridesmaid	..... to	..... to .....
3.00 to 5.00	2.00 to 7.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	2.00 to 7.00	Richmond	2.00 to 8.00	..... to .....
..... to	4.00 to 7.00	Perle	..... to	..... to .....
3.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 4.00	4.00 to 7.00	K. A. Victoria	2.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to 1.00	.75 to 1.00	Carnations—Inferior grades, all colors	.50 to .75	..... to .....
..... to 1.50	1.00 to 1.50	Standard Varieties White	.75 to 1.00	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties Pink	.75 to 1.00	..... to 1.00
..... to 1.50	1.00 to 1.50	Standard Varieties Red	.75 to 1.00	..... to 1.00
..... to 1.50	1.00 to 1.50	Standard Varieties Yellow and var	.75 to 1.00	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Sta'd vars.) White	1.00 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Sta'd vars.) Pink	1.00 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Sta'd vars.) Red	1.00 to 2.00	..... to 1.00
..... to	1.50 to 2.00	*Fancy (*The highest grades of Sta'd vars.) Yellow and var	1.00 to 2.00	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to	..... to .15	Ferns, hardy	.10 to .20	..... to .....
..... to	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to 1.00	..... to	Gardenias, per doz.	..... to	..... to .....
3.00 to 5.00	3.00 to 4.00	Gladiolus	2.00 to 5.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	..... to .....
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyas	50.00 to 60.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
3.00 to 4.00	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 2.40	..... to 1.25
.30 to .50	..... to	Sweet Peas	.20 to .50	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15 00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35 00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Rose Pink, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $7.00 per 100, $60.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, 6.00 per 100, $50.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
Beacon, $7.00 per 100, $60.00 per 1000.
O. P. Bassett, $6.00 per 100, $50.00 per 1000.



Boston Market, $5.00 per 100, $50.00 per 1000.
White Lawson, $5.00 per 100, $50.00 per 1000.
Bountiful, $6.00 per 100, $60.00 per 1000.
Victory, $6.00 per 100, $60.00 per 1000.
M. A. Patten, $6.00 per 100, $60.00 per 1000.
Harlowarden, $5.00 per 100, $50.00 per 1000.
Yellow Beauty, $6.00 per 100, $60.00 per 1000.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Philadelphia

The S. S. Pennock-Meehan Co., of 1608-1620 Ludlow st., Philadelphia, Pa., and 1212 New York ave., Washington, D. C., has leased a store at 109 West 28th st., N. Y. City, which will be open for the transaction of business somewhere between the middle of September and the first of October. The manager of the new store will be Percy B. Rigby, the treasurer of the Philadelphia establishment, but formerly of New York City.

Charles Meehan is spending a few days in Washington, D. C. George Cooke and Edward Dornheimer are taking their annual vacation.

The Leo Niessen Co., 1209 Arch st., is receiving daily shipments of Shasta Daisies of remarkable size and quality, also some fine Sweet Peas.

Eugene Bernheimer spends nearly all his time at North Wales, Pa., at the Florex Gardens Co. of which he is secretary, while Benedict Gibbs manages the 16th st. store.

John Crawford, one of the most popular men connected with the retail florist trade, much to the regret of his many friends, has been sick at his home on 38th st. since July 4.

The followiog were recent visitors in town: Henry Siebrecht, Jr., of N. Y.; William Kern, of Reading, Pa., and Mr. and Mrs. Wm. Chisholm of the Anderson Floral Co., Anderson, S. C.

Frank Niessen and Henry Eisele of the Leo Niessen Co. are now taking their vacation.

Alex. Campbell, the Sansom st. florist, has placed his family at Ocean City, N. J., for the Summer, where Mr. Campbell also spends a day of two each week. He will use his greenhouses at Collingdale chiefly for growing Adiantum and Asparagus.

C. M. Keegan, who moved last February from 104 So. 13th st., to his neat and commodious store at 1302 Sansom st., where he deals in flowers and florists' supplies and carries on his business as a decorator, reports that business at his new stand has surpassed his expectations.

Robert Craig, Sr., is taking a much needed rest at Barnegat, N. J. Mr. Craig has been forty years in the florist business.

Antoine Leuthy of Boston was recently in Philadelphia on his way to N. Y. City from which he sailed for Europe July 16.

There are no plants in any establishment too good for the grower to use in the adornment of his own home grounds. In front of the Robert Craig residence, at 4900 Market st., are two large circular beds which attract the attention of pedestrians, and those passing on both surface and elevated cars. Why not? These circles are filled with the choicest Crotons grown in America. The Craig Co. ship 100,000 Crotons a year and, therefore, can make selections which will bear the closest inspection. Twenty years ago they began raising a few hundreds. This company is testing a new Fern which has an even more finely dissected frond than N. Scholzeli.

William J. Baker is taking a vacation and much needed rest at his home on No. 15th st., among his flowers and vines. His daughter, Miss Mary A. Baker, with her usual affability and exec-

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
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Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place, SAN FRANCISCO — Greenhouses, MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, July 19, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	4.00 to	5.00
30-inch stems.. "	2.50 to	3.00
24-inch stems.. "	2.00 to	3.00
20-inch stems.. "	.... to	2.00
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.25
8-in. stems and shorts "	.... to	1.00
Killarney	4.00 to	6.00
" extra	.... to	10.00
White Killarney	.... to	8.00
Richmond	4.00 to	6.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	6.00 to	10.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	.... to	....
" fancy doz.	.... to	....
Corn Flowers	.75 to	1.00
Daisies	1.00 to	1.50
....	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
Fancy (The highest grades of Sta'd varieties): White	2.00 to	2.50
Fancy (The highest grades of Sta'd varieties): Pink	2.00 to	2.50
Fancy (The highest grades of Sta'd varieties): Red	2.00 to	2.50
Fancy (The highest grades of Sta'd varieties): Yel. and Var.	.... to	....
Ferns, hardy, per 1000	.... to	3.00
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	8.00 to	10.00
Lily of the Valley	3.00 to	4.00
Mignonette	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	60.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Peonies	4.00 to	8.00
Smilax	12.00 to	16.00
Sweet Peas	.10 to	.30
....	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	1.50 to	2.00
Gladioli	3.00 to	6.00
....	.... to	....
....	.... to	....
....	.... to	....
....	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

utive ability, is looking out for the wholesale cut flower business at 1432 So. Penn sq.

Mr. and Mrs. Lawrence W. Eisenhart, who were married June 25, have just returned from their wedding tour and will live at Holmesbury.

Mr. Herman Levine of Stein & Levine, San Francisco, and Miss Lucy Moore of Wilmington, N. C., were recent callers at H. Bayersdorfer & Co.'s at 1120 Arch st. Mr. Bayersdorfer and family are now returning to this country and are expected to arrive this Saturday on the Kaiserin Augusta Victoria. Novelties in the florists' supply line which Mr. Bayersdorfer has selected in Europe will arrive on the Barcelona, Manitou, Ancona, and Frankfurt.

S. S. Pennock and Percy B. Rigby were in New York Monday arranging for their branch store at 109 28th st.

Bowling Score for Thursday, July 14.

Name	Number Games	Scores	Total	Average
Robertson	4	188-171-202-152	713	178
Irwin	4	159-137-152-150	598	149
Shober	4	131-162-179-128	600	150
Graham	4	195-157-163-171	686	171
Dodds	3	201-152-188-...	541	180
Connor	3	126-132-180-...	438	146
Adelberger	4	155-147-155-153	610	152
Craig, Geo.	3	124-159-156-...	439	146

Mount Vernon, N. Y.

Samuel J. Clark has purchased the greenhouse and property at North Eighth ave., formerly owned by E. J. Nordman and, after alterations are completed, will stock same with a general line for retail purposes to be used in his store at So. Fourth ave. With the immense Spring plantings and other branches of the line in a suburban town he finds that to conduct business properly a greenhouse is a necessity to every florist so situated.

Chicago

The diminishing of stock is remarkable, and at this writing it is almost impossible to find enough for local trade. Shipping being almost out of the question, Roses, especially, in all kinds are at a premium; even with the new crop of American Beauty that is arriving there is not nearly enough to fill the demand; it is likewise with Carnations; the shortening of crops has relieved the market of the abundance seen for some weeks past and one can scarcely realize that the few flowers displayed are all the stock available.

There is, however, a large supply of fine Gladioli; America and Augusta have the preference, and are meeting with considerable demand. The common varieties, which are numerous, are not commanding quite as fair prices.

Peonies are fast disappearing and complaints against those from cold storage are heard on all sides, as the heads fall off when exposed to the warmth and air.

Fortunately business is very quiet and the call for stock not great, so that the general shortage is but slightly felt.

Margaret, eldest daughter of Mr. and Mrs. W. L. Palinsky, of 2867 Palmer st., and Allen G. Mead were married July 15, at the residence of the bride's parents. The wedding was a home affair, the house being beautifully decorated with Palms, Gladioli and Roses. After a honeymoon of two weeks, which will be spent in Michigan, Mr. and Mrs. Mead will return to Chicago and take up their residence with the bride's parents. Congratulations from the trade are extended the happy couple.

Alex. Newett of the Stubbe Floral Co., St. Joe, Mo., is frequenting the Chicago market. Mr. Newett's family is visiting in Joliet for two weeks, but he prefers the bustle of city life.

H. F. Greve of the Dallas Floral Co., Dallas, Tex., spent a short time in Chicago last week en route for home. Mr. Greve was on his way back from Detroit, where he attended the Elks' convention.

J. S. Butler of Kokomo, Ind., spent Sunday in town as the guest of L. H. Winterson.

It has finally been decided to hold no florist picnic this season, owing to the inability of the committee to find a suitable place in which to hold it.

Strail & Hahn had a large share of the funeral work for Robert Lomax, which occurred last week.

Mangel has his usual fine display of fancy Water Lilies in many colors, and as in previous years, they are much admired. A wreath, recently displayed in his window, composed of white Carnations with a grouping of Lilium auratum, was exquisite.

That Floyd Vaughan is having luck in the fishing line, while on his vacation in Wisconsin, is evident from the specimens of bass he has sent to many of his friends in Chicago.

D. F. Simonds of the Ogden Floral Co. has just returned from a successful fishing trip in northern Wisconsin.

J. A. Sikuta, 3947 12th st., states that business with him has been very satisfactory this season, especially in the funeral line of work.

The stock of Killarney Roses, both pink and white, at the establishment of Wendland & Keimel, Elmhurst, Ill., is in excellent condition. This firm has great luck with this variety of Rose, which is its specialty.

Albert Hey's place at Maywood is in first-class condition and stock in all lines is very promising for good crops.

Some fine blooms of Chrysanthemum Golden Glow are being received by the J. B. Deamud Co. from Geo. Serviss, Batavia, Ill. This is remarkably early for the appearance of these flowers.

It is requested that all florists' clubs or individuals through the West, who expect to attend the S. A. F. convention will communicate early with the secretary of the Chicago Florists' Club, L. H. Winterson, 45 Wabash ave. It is hoped that as many as possible will arrange to join the special train from Chicago and accompany the Chicago delegation to Rochester.

Mrs. Tonner, who has been in the hospital several weeks following a serious operation, is progressing nicely and it is hoped she will be able to be removed to her home in a few days.

C. W. Scott and wife of New York are spending a vacation in Chicago. Mr. Scott expects to take up his duties as manager of the Yokohama Nursery Co.

Tony Rocco, cashier for J. Mangel, is enjoying a two weeks' vacation.

Frank McCabe of A. L. Randell Co. is again at his post. Frank Johnson of the same firm is on a trip through Minnesota.

Mrs. Jacob Russler, an old time florist, of 11217 Michigan ave., Roseland, died on July 17 of cancer. The funeral took place Thursday, July 21.

Wm. Finninger of Toledo, O., was in Chicago this week buying supplies for the Fall trade.

W. H. Kidwell and party returned from their outing at Eagle Lake, Mich., Monday evening. Mrs. T. C. Yarnall and family also returned from same.

Ed. Enders of Samuelson's, and Tom Fogerty of Friedman's, left Monday for a two weeks' trip to Michigan. T. E. Waters of A. L. Randall Co. is also on a two weeks' vacation.

Visitors: C. Cramer and son, of Salt Lake City, Utah; J. Gilbert, Oregon, Ill.; Gus. Frederickson, St. Joe, Mich.; J. W. Seitz of Butte Floral Co., Butte, Mont.; J. Murphy, Evansville, Ind.; R. J. Windler, St. Louis, Mo.

Kansas City, Mo.

In advising us of his new location, Samuel Murray says: "After twenty-one years at 1017 Broadway, we have moved to our new store at 913 Grand ave. In this new location we will be far more accessible to the downtown trade and also to our many old patrons, as it is in one of the best positions of the downtown district. We will also have far greater facilities. What at one time was one of the most fashionable districts of the city, and where we had been located for so many years, has now become a center for wholesale houses and similar businesses. We have thus been forced to seek new quarters on account of the out-of-the-way position of this place.

Indianapolis

Hartje & Elder are adding to their capacity with a boiler room of large dimensions.

Bertermann Bros. Co. is installing an electric pumping plant at Cumberland.

Smith & Young Co. is arranging for additional boilers for its new houses.

Bert Eschner is with us, booking Fall orders.

Homer Wiegand says the Elks had a most enjoyable time in Detroit.

B. F. Hensley of Knightstown has been busy with much funeral work lately.

Quite a few of the Indianapolis boys mean to attend the convention, but no definite arrangements have been perfected.

A. W. Brandt lost several hundred boxes by the flooding of his cellar during the recent rain. I. B.

Detroit

This city is reviving and rejoicing for two important reasons, both of which are very weighty to the florists. First of all, we had some good heavy rains which cleared the atmosphere and put new life in everything out of doors; secondly, the Elks are gone.

Elk week was rather disappointing. Some firms, like Breitmeyers, were loaded down with work. Everyone of their large stock of decoration plants did service. They also decorated several floats and had the satisfaction of capturing first prizes with them. The rest of the florists, though, like most of the merchants, were fortunate if they did not stock up for the occasion. The city was literally overrun by outside men who carry a line of bunting and flag decorations from city to city, and local talent could not compete with their figures.

Business in general has been very good, and this week also promises to be far ahead of last year. Wholesale quotations have not changed one iota and the wholesaler's principle, "to get anything you can," is still working.

The local park department is erecting two new houses, 20x150, Lord & Burnham Co. handling the work.

An inquiry by our local State vice-president, Michael Bloy, brings out the fact that a delegation of over 50 will attend the S. A. F. convention in Rochester. FRANK DANZER.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4.51	48 10 " "	4.80
1500 2⅝ " "	6.00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5.60	144 6 " "	3.16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

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25 lbs., $1.00 50 lbs., $ 2.00 100 lbs., $ 3.50 1000 lbs., $27.00
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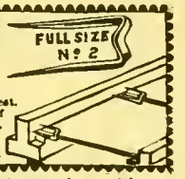

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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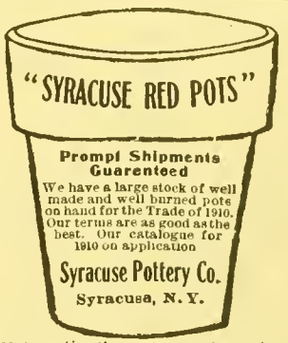

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The Ideal Plant Food For Florists.

Write today for Prices and Booklet.

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Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
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For fumigating and sprinkling combined, 35 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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for new structure or repairs.

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in stock or any size required.

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most lasting—least expensive.

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The Mastin Automatic Whitewash and Spraying Machine



Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

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Higher Prices Sure

Save on Construction or Repairs

Buy now. Write us for prices.

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Worcester, Mass.

Continued dry weather keeps the local florists busy wetting down their outside plants. The drought has been extremely bad for Asters and a shortage of these is expected. Sweet Peas, too, have been affected and what promised to be a plentiful growth, proved only fair. The supply is fast diminishing, and growers whose Sweet Peas were short, have had difficulty in securing them from Boston growers. Roses are plentiful in some places; the short-stemmed ones bring $1 per doz. and the longer vary in price from $3 to $5.

Leonard C. Midgley of the Worcester Conservatories is not cutting any Roses during the Summer months. He expects to have his usual beautiful showing this Winter to meet his wholesale and retail trade.

Fisher, the florist, 537 Main st., reports business good, with a decrease in Sweet Pea supply. He has plenty of Roses of many varieties, and with these and a few choice specialties, he manages to supply his Summer trade.

H. F. A. Lange is doing a nice Summer business and so far has been able to meet demands in all departments. His window displays are artistic arrangements of greenery. This week he showed some exquisitely colored Gloxinias with several species of the Fern family. The shop is closed Wednesday afternoons in accordance with the custom of the Merchants' Association for the Summer, and the salesmen enjoy their half holiday.

Mrs. Percy G. Forbes, Millbury ave., won the first prize ($3) for her basket at the exhibit of the Horticultural Society, Thursday, July 14. Mrs. Forbes is one of the most interested of Worcester's women in horticulture and assists the children of the Blithewood district with their prize gardens, which are planned each year by the Blithewood Improvement Association. Her basket was a pleasing combination of Dorothy Perkins Rambler, pink Sweet Peas, Delphiniums and Ferns.

Walter D. Ross, of Ross Bros.' Seed Co. was in Boston Tuesday in the interest of his business.

Edward W. Breed of Clinton was in town all day Thursday, going over reports and papers of the Horticultural Society with Secretary Adin A. Hixon. Mr. Hixon is not improving in health very rapidly, but manages to be on duty in the hall at the weekly exhibits Thursdays. Miss Lucy M. Coulson, daughter of John A. Coulson, who entered the retail and wholesale florist business this Spring after over forty years as gardener for the Salisbury estate, is filling Mr. Hixon's place as librarian. With the assistance of W. A. Putnam, the capable custodian, Miss Coulson manages very well and has answered many questions upon matters pertaining to floriculture made by the usual large number of city and country people who visit the library daily.

E. D.

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We carry 1,500,000 ft. of Louisiana Cypress in Stock

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Pipe, Fittings, Valves

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We carry the largest stock of **HOT-BED SASH** in the United States

OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

THE KROESCHELL BOILER

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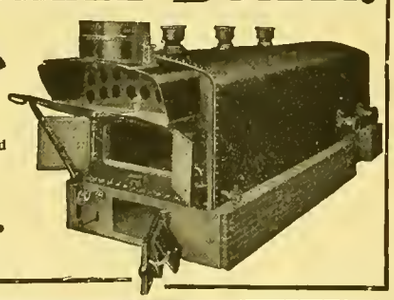

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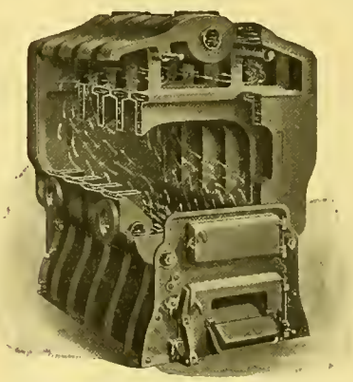

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

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Baltimore

The next meeting of the Gardeners and Florists' Club will be held July 25 in their hall. A large turnout is expected in the interests of the Summer meeting at Ocean City. Every member is urged to be present as the trip will be more thoroughly discussed.

Mrs. E. A. Seidlich, Woodlawn, Md., ran a nail in her foot several weeks ago and is suffering from the effects; it is hoped blood poisoning will not make its appearance.

Harry Elsos, Sta. D, has had his house painted and it shows up to good advantage. Mrs. Elsos is attending the market as usual, and considerable credit is due her, as she is one of the most hustling women in the trade.

The long lasting drought has at last broken with showers and cool nights, and outside stock is showing a refreshing appearance. Inside stock is shortening up and good quality blooms are hard to procure.

Business in the retail sections, from reports, is considered good. A brisk week of funeral designs making kept the retailers on the go. One retailer was seen on the street with two wagonloads of designs. The growers are sending a small amount of cut flowers to town, but these move slowly. However, it seems enough to meet the demands. J. L. T.

For travel arrangements to Rochester convention, see notice of Lehigh Valley route, editorial page.

Providence, R. I.

Business around and in Providence is very quiet. With exception of funeral work—there is not much doing. Roses are getting short and quality below the standard.

T. J. Johnston & Co. report business quiet. Sweet Peas plentiful, Carnations very poor quality, with just a few Asters coming in which sell at fair prices.

The Florists' Club enjoyed a day's outing at Kingston College on Monday. A bountiful dinner was served and all returned to Providence well pleased with their picnic.

Robert Johnston is away on a vacation.

The firm of Burke & Burns of Cranston, R. I., has been incorporated with a capital of $50,000, under the title of the Burke Rose Co.

Harry L. Turner of Boston was in town Saturday representing The National Folding Box and Paper Co. of New Haven, Conn.

Lawrence Hay reports business quiet with plenty of outside work and stock looking fine.

Market Notes

Roses My Maryland, Bride, Bridesmaid, Killarney and Richmond: firsts, $3 to $5 per 100; 2ds, $1 to $2 per 100; 3ds, 25c. to 50c.

Carnations, poor, 50c. per 100; Sweet Peas, 15c. to 30c.; Antirrhinum, $1 to $2; Lilies, $6 to $8; Lily of the Valley, $3 to $4; Adiantum, $1 to $1.25; cut Ferns, $1.25 per 1000; Asparagus, 25c. to 50c. per bunch. H. C. N.



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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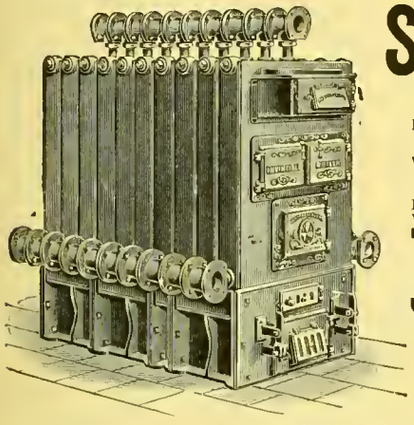

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Greenhouse Hardware and Pots Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL.

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Washington, D. C.

The weather is excessively hot and the city is pretty well emptied of its population who are seeking cooler places.

W. W. Kimmel reports rapid progress in the work of reconstruction upon his new store and believes that by August 1 he will have the use of store and living rooms above. He will then begin work in the rear preparatory to the erection of a modern greenhouse.

Geo. A. Comley of Wisconsin ave., Georgetown, is installing a small but very pretty and attractive aquatic window.

Wm. Marché kindly promises the readers of the EXCHANGE a treat in the form of a photograph of his new aquatic window, just completed, which will be described in text.

J. H. Small & Sons have arranged a very unique water garden in their 14th st. window, representing a stone covered hill with waterway leading to miniature lake, and otherwise adorned with pot plants of Diffenbachia, vases of Gladioli and specimen spine bearing Cacti in background.

Local interest is centered and enthusiasm great over the annual outing of the local Club which takes place July 26 at Great Falls of the Potomac. Under favorable weather conditions the forthcoming event promises to be one of the best in the history of the Club. The object of the committee who have the outing in charge is to make the trip attractive to every one and, in addition to the ample provision which is being made to satisfy the most difficult to please in the form of provisions, competitive games, etc., there will be no advance in the regular charge for tickets. Each family is expected to take its own lunch basket of the more solid edibles. The special trains which have been chartered will leave the Aqueduct Bridge (36th and M sts.) at 2 p.m. The Baltimore florists and their ladies have also been invited to participate. Geo. C. Shaffer, O. A. C. Oehmler and W. W. Kimmel compose the committee.

The first meeting of the committee in charge of the Club's annual Fall flower show took place at Gude Bros.' store last week. It was decided to affiliate with the Householders' Exhibit which has engaged Convention Hall for two weeks, the flower exhibition to consume the latter week, from Nov. 7 to 13 inclusive. As far as has been learned this seems an admirable and most satisfactory arrangement for the exhibitors, whose space will not be so limited, and the Householders' Exhibit, made up largely of parlor and dining room suits will, it is believed by the committee, afford ample and excellent opportunity for mantel and table decorations in addition to the exhibition of fine specimen plants and cut flowers. Plans are now being prepared, for approval, of the end of the large hall which will be occupied exclusively by the florists' exhibits.

The G. and F. Club of Baltimore has extended a special invitation to the Washington florists to join in their annual outing to Berlin, Md., and Ocean City on July 28 and 29, and already several here have accepted. The details of the trip will be found in the EXCHANGE, page 97.

JAS. L. CARBERY.

For travel arrangements to Rochester convention, see notice of Lehigh Valley route, editorial page.



The Burnham

The 18 and 30 inch grate Burnham is also made in a broad, low design with socket openings, for low flow pipe connections.

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LORD & BURNHAM CO.

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CONCRETE BENCHES

Illustrating the easy manner with which our Concrete Benches can be installed in your houses.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

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Please mention the Exchange when writing.

The Making of Money

Is but one part of our business, and while it is important we have not lost sight of the moral responsibility to the buyers of our product, which is just as important as the making of a profit.

We believe in delivering an honest dollar's worth for each dollar you pay us, and after being in business now for forty years we believe there is not one of our customers but what will testify to the fact that we have at all times given all we promised. If you have at any time any doubt in your mind as to the price that should be paid for first-class material, write us for an estimate—it will tell you the amount to pay for the right kind of material. Any lower price than ours means inferior material or selling without profits—any higher price is unreasonable.

Send for our Catalogs:
No. 4 Greenhouse Materials.
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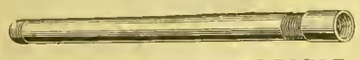

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with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
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TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
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Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.
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613 Euclid Ave. - - Cleveland, Ohio

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



GARDENERS—WE HAVE PRINTED A CIRCULAR ESPECIALLY FOR YOU

IT tells about our kind of Curved Eave Houses. Tells how they differ from others—why they are so much better.

It is beautifully illustrated—one of the houses is shown printed in three colors, true to life and is a most convincing thing with which to stir up the interest of your employer.

To those of our gardener friends of whose address we felt certain, we have mailed one of these circulars. But we want every gardener to surely have one; so if you are one who did not get a circular, all you need to do, is fill in the coupon and send it to us. By return mail along will come the circular. If you wish one sent to your employer, say so.

Lord & Burnham Co.—Kindly send me your Special Curved Eave Circular—the one printed in colors for Gardeners

Name

Address

Employer's Name

Address

Need Anything?

We want the correct address of every gardener in the U. S.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME? You to thinking about it. Our catalogue will get it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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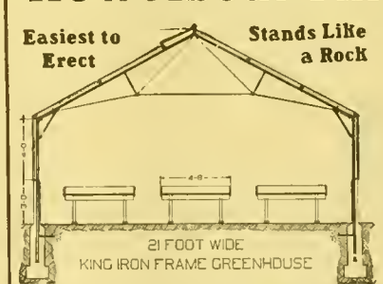
How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect — Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

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KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. *SEND FOR OUR NEW CATALOGUE*

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

VIOLET CULTURE

Price, $1.50 Postpaid
A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

TILE DRAINED LAND IS MORE PRODUCTIVE



Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. **Jackson's Round Drain Tile** meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 60 Third Ave., Albany, N.Y.

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Rochester Convention Notes on Pages 158 and 159

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 5 — NEW YORK AND CHICAGO, JULY 30, 1910 — One Dollar Per Year

LILIUM HARRISII Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

Begonias Gloire de Lorraine

Strong healthy plants, ready for immediate delivery, 2¼-inch pots, $15.00 per 100, $135.00 per 1000; 3-inch pots, $25.00 per 100, $200.00 per 1000; 4-inch pots, $35.00 per 100, $300.00 per 1000.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25.00 per 100; 5-inch pots, $5.00 per dozen, $35.00 per 100.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

BOSTON FERNS

First class plants, 7-inch pans, 75 cts. each; 8-inch pans, $1.00 each; ready for immediate delivery.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8 50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII, 5x7-inch, 400 to the case, $5.00 per 100, $45.00 per 1000; 7x9 inch, 200 to the case, $10.00 per 100, $90.00 per 1000. ☞Case lots at thousand rates.

GLASS A few hundred boxes 16x24 A. D. S. F. O. B. Buffalo, N. Y., or Erie, Pa., at right prices. Get quotations before you buy elsewhere.

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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Geraniums

We are Headquarters, and have an Immense Stock ready for Immediate Shipment

Standard Varieties, from 3 inch pots, $3.00 per 100, $25.00 per 1000. We are booking orders for Next Season, from 2 inch pots at $2.00 per 100, $18 50 per 1000.

Cannas For Fall or Winter delivery, as low as $12.00 per 1000 Special Price on larger lots. Write for Special Price on what you can use.

Dahlias Whole Field Clumps, good assortment at $6.00 per 100, $45.00 per 1000. Send for List.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

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Contents and Index to Advertisers, Page 155



Heart to Heart Talk

On the Bulb Question Is In Order

We are in possession of our St. David's Island bulbs, and must say they never looked better. Unfortunately our stock is limited.

	Per 100	Per 1000
LILIUM HARRISII, 5 to 7	$5.00	$45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
WHITE ROMAN HYACINTHS, 11 to 12	2.25	20.00
WHITE ROMAN HYACINTHS, 12 to 15	2.75	24.50
WHITE ROMAN HYACINTHS, 13 to 15	3.00	28.50
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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BODDINGTON'S QUALITY

Christmas-Flowering Sweet Peas

FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird (Pure White)	$0.20	$0.75	$1.25	$2.00
Boddington's Christmas Pink	.10	.40	.75	1.00
Boddington's Christmas White	.15	.50	.85	1.50
Mrs. E. Wild (Carmine)	.15	.50	.85	1.50
Mrs. Geo. Lewis (White-waved)	.15	.50	.85	1.50

New crop of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen

5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

CALLAS

Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California
SOLE AGENTS FOR THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

If You Want the Very Best Pansies, Plant These Two Varieties. New Seed, Just Gathered

S. & W. CO.'S NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance, the seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed. Trade pkt. 25c., ¼ oz. $1.50, oz. $5.00.

WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Trade pkt. 50c., 1000 seeds $1.25, 5000 seeds $5.00.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARE NOW READY

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 " (333 to case)	6.50	60.00
7-9 " (200 to case)	9.50	85.00
9-11 " (100 to case)	Scarce	

FREESIA

White Bermuda

	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50

French Grown

	Per 100	Per 1000
Jumbos	$1.75	$12.00
Mammoth, ½ to ¾ inch	.90	8.00
First Quality, ⅜ to ½ inch	.70	6.00

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write us for it.

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

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Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

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CINERARIAS—W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.
Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.
WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street NEW YORK

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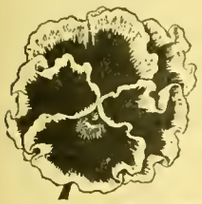

Johnson's Kingly Prize Winner Pansies

BETTER THAN EVER

1000 Seede, 30c; 2000 Seeds, 50c; 5000 Seeds, $1.00; per oz., $5.00.

This matchless strain is the prodnct of the leading French, German and English Pansy Specialists, and is unexcelled for **mammoth size,** form texture, and wide range of rich colors and markings.

Quotations on high grade French and Dutch Bulbs cheerfully given.

JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.
Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
70 Warren St., New York City

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PRIMROSES

IMPROVED CHINESE Finest grown. All colors mixed, single and double, strong 2-in., $2.00 per 100.

CYCLAMEN GIGANTEUM Very extra fine, 4-in., ready for 5 or 6-in pots, **$10.00 per 100.**

XXX SEEDS

CHINESE PRIMROSE, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

PRIMULA KEWENSIS, the great and grand new, Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

CINERARIA, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

GIANT DAISIES (Bellis), extra large and fine, mixed. Trade pkt. 25c.

PRIMULA OBCONICA, New Giants, 1500 seeds, 50c.

CALCEOLARIA, Dwarf Giant Spotted. Pkt. 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

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Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

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WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

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S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondance Solicited.

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SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

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Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA.

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

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BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.

CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and CELERIAC, best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.

CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

SPOKANE, WASH.—The Inland Seed Co. has been incorporated with a capital of $50,000. John Anderson and H. S. Church are incorporators.

ROCKY FORD, COLO.—Growing conditions here continue very favorable, and with a few exceptions our crops promise full delivery on contracts. Seed growing in our valley has extended very rapidly and this year acreage is much more than heretofore. D. V. BURRELL.

European Notes

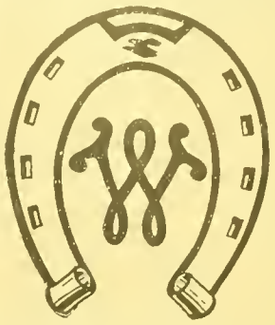
Quite an improvement has taken place in our weather conditions since the last notes were penned and we are consequently feeling somewhat more cheerful. The greatest improvement is visible in Peas, which are maturing their crops in good style, and will be quite up to the average if we are able to harvest them. Early Turnips are already cut and harvested, but the threshing should be postponed for some little time to ward off any possible ill effects of the heavy rains. Radishes, which have suffered badly from vermin, are slowly recovering, but there is a painful lack of pods on the plants just now. Cabbage is maturing fully up to our expectations, the seed promises to be very good. Beets are as last reported. EUROPEAN SEEDS.

American Notes

Trade Improves a Little

There would seem, on the whole, to be a little more business doing among the seed trade than a week ago. The arrival of the first shipments of Bermuda bulbs has, as is always the case, brought many early orders from the florists for this stock; in fact, it may be said that what is known as "the Autumn bulb selling season," dates its beginning from the coming of the Lilium Harrisii and Freesia bulbs. As regards seasonable seeds, their sales have been very good the past few days in those sections where there has been rain; but taking the country altogether the dryness is such that crops are suffering very much and a great deal of planting is being delayed from day to day in the hope that some general copious rains will break what, in a great many States, has become a very serious drought. Seedsmen, without exception, report that not in years have "sundries" sold so well, included in which it is worthy of mention that all standard brands of insecticides and fungicides have been in unprecedented demand; the home-garden maker would seem as never before to be

WARD'S LILY BULBS



"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

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Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

COLD STORAGE LILY OF THE VALLEY PIPS

French Grown Pansy Seed

At Reduced Prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fira King	.60
Emperor William	.60
Fairy Queen	.50
Peacock	.50
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75
Thorburn's Superb Mixed	4.00

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

Please mention the Exchange when writing.

Dutch Bulbs

We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

The Dutch Bulb & Seed Growers Co.
Haarlem (Holland)

Please mention the Exchange when writing.

Cold Storage Valley

BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP

Grown by some of the most competent private gardners in the country.

Write for special prices.

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

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Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

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Purchase Direct from French Grower Without Passing Through Dealer's Hands

HYACINTHS, Roman White, etc.
NARCISSUS, Grandiflora Paper White Trumpet Major, etc.
Freesia Refracta Alba, etc.

SOLEILLET, Horticulturist, Toulon, France

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L. DÆHNFELDT, Odense, Denmark

MOST IMPORTANT SEED-GROWER IN SCANDINAVIA (5000 ACRES)
Established 1850

MY SPECIALTIES FOR EXPORT ARE

DWARF ERFURT CAULIFLOWER and DANISH BALLHEAD CABBAGE

Send me, for delivery after harvest, a trial order; and you will in future constantly be my customer. Quotations and catalogues sent on application.

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Mignonette

For years the best in the New York and Philadelphia markets.

Strictly Greenhouse-Grown Seed. Trade Packet, $1.00; Ounce $4.00.

☞Nothing better can be bought —Now is the time to sow

ANTON C. ZVOLANEK
BOUND BROOK, N. J.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

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Prices Advertised in these Columns are for THE TRADE ONLY

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

Please mention the Exchange when writing.

using all possible pains to save his crops from the insect army. As mentioned already, what would at once make good seasonable business for the seedsmen is rain. If we could but have general and copious rains there would at once be made large plantings of Turnips, and fodder crops, such as Hungarian Millet, Buckwheat, Barley and sweet fodder Corn, as well as very large quantities of Celery, Cabbage and other late vegetable plants set out, not to mention pot-grown Strawberry plants, which are enjoying such great popularity this season. Every day that passes now brings many advance orders for Hyacinths, Tulips, Narcissus, and the whole list of Dutch bulbs; not in many years have all conditions seemed to be shaping themselves for a more satisfactory Autumn season than that which so soon now will commence in real earnest.

Hardy Water Lilies

A very attractive specialty for any seedsman's next Spring's seed catalog, will be a collection of the now so very much in vogue Hardy Water Lilies. Since the amateur gardener has learned that these are of the very easiest culture, a large and seemingly increasing demand for them has developed. The writer knows of no plants that will appeal so strongly to customers, if one illustrates and adequately describes a proper list of the varieties best suited to every day cultivation, so to speak. There is to the average person a peculiar fascination about Water Lilies, and once it is understood how easily they can be grown, and how cheaply good sorts may be purchased, large sales of the dormant tubers and growing plants are assured. Explain clearly to customers that sunshine, water, and plenty of rich soil, are the only requirements for successful hardy Water Lily cultivation. Plant the dormant tubers early in the Spring, and later in the season the growing plants, in ponds or sluggish streams, and the most profuse flowering season will result. Provide the same conditions in artificial ponds or tanks, and the plants will grow and bloom equally satisfactory. The seedsman will, of course, in his catalog give full and proper descriptions of varieties and cultivation, and hardy Water Lilies will be found most satisfactory subjects for ample illustration and for pushing as specialties. V.

New York Seed Trade

There has been a little improvement in trade the past week. This would have been even more marked could we have had some rain; in fact, our seedsmen are all quite sanguine that with the drought broken orders would come quite briskly for everything that is seasonable.

Bermuda bulbs are selling very well and it will not be long now before the first arrivals of French bulb stock will appear. Everything points to an early starting of the Fall bulb business.

C. W. Scott has returned from his visit to Chicago. Mr. Scott will finish his work at Vaughan's Seed Store about August 1, when he is to take charge of the business of the Yokohama Nursery Company, Limited, at 31 Barclay st., this city. Mr. Scott carries to his new position the well wishes of his many friends in the trade; he has been with Vaughan's Seed Store fourteen years, the past three years as manager of the New York branch.

The first French shipments of White Roman Hyacinths and Paper White Narcissus bulbs are due in New York August 10 next.

The Stumpp & Walter Co. are receiving, through their Midsummer catalog, many orders for pot-grown Strawberries, Celery, Cabbage and other plants for late Summer setting. Their list also embraces a very complete assortment of perennial flower seeds.

At Boddington's, trade is showing an increase. Orders for Christmas flowering Sweet Peas, perennial flower seeds and special florists' flower seeds such as Cyclamen, Primroses and Pansies are coming in well. In the last few days many large shipments of Harrisii and Jamesii Lily bulbs have been made.

Mrs. C. W. Scott has the sympathy of the entire trade in the death of her mother, Mrs. Andrew Mills, which occurred last Monday. The deceased was 73 years of age.

President I. S. Hendrickson of the American Gladiolus Society was a visitor in town this week, and expressed himself very enthusiastically regarding the display of Gladioli his Society will make at the coming S. A. F. convention at Rochester.

Vaughan's Seed Store received this week by the S. S. Venezia of the Cyprien-Fabre Line, their first shipments of French Freesia bulbs. This house is also receiving from Bermuda this week a third consignment of Harrisii Lily bulbs, and also Amaryllis Johnsonii.

Wm. Elliott & Sons find orders for perennial and florists' flower seeds coming in in goodly volume. All seasonable "sundries" are also in good demand with them this Summer.

It is reported by many of the larger market gardeners of Long Island that the drought now in progress is assuming very serious proportions, and, unless we can have copious rains very soon,

Hairy Vetch

Crimson Clover, Kentucky Blue Grass, Timothy, Orchard Grass, Red Top or Herds Grass.

J. BOLGIANO & SON
1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

HAVANA Tobacco Seed

(TRUE VUELTA ABAJO)

$1.25 per lb. by mail prepaid.
Write for prices for larger quantities.
Cash with order.

Alberto R. Langwith & Co.
Seedsmen and Florists
66 Obispo Street, Cerro, Havana, Cuba

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt.
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Charters, sep. colors or mixed	.40	.10
Hollyhock, Everblooming, New Strain	.60	.10
Primrose, Chinese, Prize Strain.		.35
Cineraria, Sutton's Prize Strain..		.35
Mignonette, Imperial Strain, greenhouse grown	2.00	.35
Pansy Giant, the best of all....	2.00	.35
Calceolaria, Dwarf Giant		.35
Stocks, Beauty of Nice, etc.		.35

IMPERIAL SEED & PLANT CO., Grange, BALTIMORE, MD.

Please mention the Exchange when writing.

Seasonable Seeds FOR Summer Sowing

ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	6.00
Roseum, Rosa V. Marienthal	.60	6.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

GIANT **PANSY** SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready, Light, Medium, or Dark Mixtures, 2000 seeds 60c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, $1.00; ¼ ounce, $1.50; ½ ounce, $2.50; 1 ounce, $5.00; ¼ pound, $14.00; ½ pound, $25.00; 1 pound, $50.00. **Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

crops of all kinds will be seriously curtailed.

Wm. J. Elliott enjoyed a couple of days' fishing last week with a party of friends at Freeport, Long Island.

Philadelphia Seed Trade

The seedsmen who make a specialty of Pansy seeds are receiving some good-sized orders. There is hardly anything else moving in the flower seed line. A very little Crimson Clover and Millet are moving, and these are about all in the field seed line.

The continued drought and the intense heat are delaying the sale of late Celery plants.

At the annual meeting of Henry A. Dreer Co., Inc., held at Riverton, N. J., July 16, William F. Dreer was elected president, J. D. Eisele, vice-president, H. G. Tull, treasurer, and J. Otto Thilow, secretary. Owing to the steady growth of the business of this company in its different departments, the present acreage at Riverton, N. J., has become altogether inadequate to meet the increased demand for space for hardy herbaceous plants, ornamental nursery stock, etc., and for making the extensive tests of seeds, plants, Rose bushes, and ornamental stock in general. Therefore, the company has purchased 124 acres of land near its present location, where, as soon as the plans can be made ready, it will erect greenhouses of the most modern type, and which will cover several acres. In these greenhouses, and on this increased acreage, the experimental and other work will be carried on more extensively and systematically than ever before. The equipment of this new holding and the greenhouses thereon will be very complete for testing, growing, and shipping, and as an aid in the latter there will be a railroad siding connecting directly with extensive packing sheds. In its Chestnut st. store window this company is displaying this week some of the productions of its greenhouses in the line of Ferns, all well grown. Among them is noted the Boston Fern and its many beautiful sports, and some of the less seen Ferns, such as the two Davallias, Fijiensis plumosa, and epiphylla, and Pteris Wilsoni and Victoria, and Polystichium coreaceum. As has been remarked before, these window exhibitions are educational and show good business tact as well.

The Henry F. Michell Co., 1018 Market st., and the Michell Seed House, 518 Market st., have had a large floor space allotted to them at the meeting place of the S. A. F. at Rochester, where, under the care of five of their best men, they will make an exhibition of every line of goods which they usually offer for sale. This company has already received large invoices of French, Dutch, and Bermuda bulbs. Fred J. Michell Jr. has been visiting New York and taking a pleasure trip up the Hudson.

The Johnson Seed Co. report the receipt of some very large orders for their prize winner Pansy seeds. William J. Sherry, manager of this company, is taking a much needed vacation at Delaware Water Gap; he will also pass some portion of his vacation at Bushkill, Dingman's Ferry and other places.

The Stokes Seed Co. is in receipt of frequent letters from Walter P. Stokes, in which he says that they are royally entertained by the Frenchmen and that he and Mr. Willard are enjoying themselves very much. In his absence George Atkinson, his manager, reports that the seed tests at Floracroft are going on, where foreign and home-grown Cabbage seed are being tested side by side for comparison, and also at the same time for a comparison of the quality of the seeds obtained from different growers. The testing of Corn, Beans, and Tomatoes is also in progress.

Clarence W. Moore, of the Moore Seed Co., is passing a few days at Loug Branch, N. J.



Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. Is a blend of all the finest varieties from France, England and Germany. Trade pkt (2000 seeds) 50c.; ⅛ oz. 75c.; ½ oz. $2.75; 1 oz. $5.00

Kingly Collection of Giant Pansies Mixed

Trade pkt. (2000 seeds) 40c.; ⅛ oz. 60c.; ½ oz. $1.85; 1 oz. $3.50

	Trade pkt.	Oz.
Giant Odier. Large Blotched, Show Pansy, Mixed	$0.35	$1.50
Bugnot's Superb Blotched. Very Large French Strain, Mixed	.35	2.50
Giant Trimardeau. Immense size and beautiful colors, Mixed	.25	1.25
Giant Parisian. Great diversion of gay colors, Mixed	.30	1.50
Giant Mme. Perret, or Wine Pansy.	.30	1.50
New Orchid-Flowered. Shades of Chamois, Terra-cotta, Pink, Lilac, Rose and Orange, Mixed.	.35	3.00
Fine English Mixed	.20	.75

IN SEPARATE COLORS

	Trade pkt.	Oz.
Faust. Black	$0.20	$0.75
White. Pure	.20	.75
Hortensia. Delicate Rose-Spotted	.40	3.50
Lord Beaconsfield. Deep Violet	$0.20	$0.75
Emperor William. Best Blue	.20	.75
Red Victoria	.20	.75

STOKES' SEED STORE 219 Market St., Philadelphia, Pa.

Send for Pansy and Bulb List

Please mention the Exchange when writing.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.60		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.60	$2.00
Giant Pretloen. Crimson-rose, white margin, violet blotch	.15	.60	2.00
Giant White. Violet spot, the largest white	.10	.60	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

Michell's Cold Storage

Lilium Giganteums

Sold in original case lots.. When received, unpack and pot immediately. These are no longer an experiment, as many growers force Lilies all the year around. They can be brought into flower in from ten to twelve weeks if planted now.

	Price per case	Per 1000
6 to 8-inch bulbs, 400 to a case	$24.00	$60.00
7 to 9-inch bulbs, 300 to a case	24.00	80.00

Hardy Speciosum Lilies, from Cold Storage

	Price per case	Per 1000
Lilium Melpomene, 8 to 9-inch, 200 to a case	$15.00	$72.00
Lilium Rubrum, 8 to 9-inch, 200 to a case	12.00	57.00

Our Wholesale Summer Catalogue of Seeds, Bulbs, Etc. Free.

HENRY F. MICHELL CO., 10th and Market Sts., PHILADELPHIA, PA.

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Valkier en Zoon, BULB GROWERS

Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.

AGENT FOR THE UNITED STATES

CHRIS. VAN SCHAIK, Care of Isaac the Visser R. F. D. No. 1 **Paterson, N. J.**

Write for Prices

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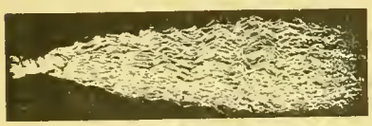
Raffia



We are positively Headquarters for two best grades—bales or ten bales.

☞Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

Vegetable Plants

CABBAGE, Danish Ballhead and Surehead, per 1000 $1.00.

CELERY, Golden Self-Blanching, Golden Heart, and White Plume, per 1000 $1.00.

ASPARAGUS Plumosus and Sprengeri, 2¼-in. pots, $2.00 per 100, $17.50 per 1000. From bench, 2 years old, $5.00 per 100.

SMILAX, 2¼-in. pots, $2.00 per 100, $15.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Week's Work

BY

FRITZ BAHR

The Snowball Hydrangea

A Valuable Plant for the Retail Grower

Here is a Hydrangea that every florist who has a few feet of ground at his disposal should have. We never before realized its full value as much as we did a few days ago, when we were in need of white flowers for a large funeral. The orders called for a number of Masonic and other fraternal societies' designs, and there is nothing more useful for the making up of such work than Hydrangea arborescens. We cut flowers over seven inches in diameter, on 4 ft. stems, from stock planted last year, but even plants 2 ft. stock, planted this Spring, are loaded with masses of good useful flowers; and the plants which were cut back severely last Spring, while not carrying so many flowers, make up in size and length of stem. This Hydrangea is surely a good thing, whether you have any funeral work or not. It is, at the present, about as showy as anything there is to be found in the shrub border, has been in bloom for over one month, and will keep on up to the day the first H. paniculatas are turning from green to white. As far as the florist is concerned, there isn't anything that has been introduced of late of more value than this plant. If you haven't any on your own grounds, go to your neighbor and look at them, and get ready for a good-sized order to your nurseryman. Get a good half-tone cut of a specimen plant and use it for advertising purposes next Fall and Winter, for it is one of the things you can recommend to your customer without blushing.

Cyclamens

Plants, to be Called Good, Need Perfect Foliage

I noticed the other day a batch of Cyclamen on the north side bench of an empty Carnation house, and while the soil was quite moist enough, the leaves of the plants were wilted to such an extent as to hang over the pots. I was told that they would come up all right again by evening. That is one way of growing Cyclamen, but not by any means the right way. I have seen native Cyclamen, in Europe, planted out with hundreds of flowers, each without a leaf on the plant. They were very beautiful, seeing them in great masses; but for the strain we are growing in pots and for our purposes the beautiful foliage of a Cyclamen is as necessary as the flowers themselves, and if you can't give the stock quarters during the Summer months where it can be kept sufficiently cool and shaded so as to develop good foliage, you will not be successful with Cyclamen. By shade it should not be understood to mean having it as dark as in a Palm house. If the plants get a few rays of sun in the early morning, or late afternoon, so much the better, but between 10 and 3 o'clock, during July and August, and part of the next month, the plants need protection. This, and repeated light spraying, and keeping the walks and space below the benches moist, will give ideal conditions for the plants, and when the day's work is over and all the eight-hour men are gone home, make an extra trip to the Cyclamen house about 8 o'clock and just lightly wet the foliage once more—you'll get paid for it later.

Chrysanthemums

What the Stock in the Benches Needs Now

All depends now upon the care you give to the 'Mums, for this is their growing time, with most of the varieties usually handled by the average florist. The only chance late planted, early and mid-season sorts have to get a good stem is during the next four to six weeks. Have the hose always ready, for when the thermometer goes up near the 100 deg. point inside, spraying the foliage of the plant several times during the day is the proper thing. Watch your benches. The soil is not supposed to be soaking wet continuously, and yet to let it get dry to such an extent as to cause the plants to wilt is bound to be harmful. Avoid both of these conditions, that is our work. Once a week is not too often to go over the plants to remove the side growths. With the single-stemmed plants any growth of that kind has no business there, for it will take nourishment from the plant needed elsewhere. There are always certain varieties which give us more trouble than others with side growth. The thing to do is to carefully go over all the benches regularly, whether there is little or much to remove, for if left undone a few days only will produce a three to four inch growth and it will have to be removed some time or another. Why wait before doing so at the expense of the plant? Fumigating in weather such as we are having is almost out of the question; the stock needs every bit of ventilation to be had, day and night. There is no better treatment than spraying once a week with a light nicotine solution, if you have a dose of Aphis on the plants now. Spray two or three times in succession, until every trace of the pest has disappeared; after that, once a week will keep the plants clean.

Myosotis and Bellis

For Early Spring Blooming Sow Out Now

You may only use very few of either of these little flowers during the Spring, and yet we have always call for some.



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
ROSE GERANIUMS, 3-in. pots, $4.00 per 100.
CHRYSANTHEMUMS, Golden Glow, White Cloud, Pacific Supreme, Ivory, Lulu and **Klondike,** 2½-in. pots, $3.00 per 100.
BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.
FERNS, Assorted Varieties, 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.
SALVIA Bonfire, 2-in. pots, $3.00 per 100.
PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen.
ACALYPHA, 3-in. pots, $4.00 per 100.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
MOSCHOSMA riparium, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA

Please mention the Exchange when writing.

TEN THOUSAND
Bouvardias

Good, strong, 2¼-inch stock, just in right condition for benching, in **Red, White** and **Pink,** at $2.50 per 100, $20.00 per 1000. Also

Chrysanthemums

as follows: 1500 Dr. Enguehard, 1200 C. Touset, 800 Polly Rose, 500 Glory Pacific, 300 Pacific Supreme, 400 Helen Frick, 400 White Robinson, 300 Monrovia, and 200 White Bonnaffon. All good strong stock, from 2¼ inch pots, $2.25 per 100, $20.00 per 1000.

MOREL BROS.
622 East Market St., SCRANTON, PA.
Please mention the Exchange when writing.

SEASONABLE PLANTS

CHINESE PRIMULAS, in Separate or Mixed Colors; also **Primula Obconica,** Kermesina Rosea, or Assorted, from 2½-inch pots, $3.00 per 100; extra fine plants.
DRACAENA Indivisa, 4 inch, $10.00 per 100; 2 inch, $2.00 per 100, or $18.00 per 1000.
ASPARAGUS Sprengeri, 2½ inch, $2.50 per 100, 2 inch, $1.50 per 100. **Asparagus Plumosus,** 2 inch, $2.50 per 100.

WETTLIN FLORAL CO.
Hornell, N. Y.
Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and **Golden Gate,** 2-in., $5.00 per 100.
DRACAENA Indivisa, 4-in., $10.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each.
VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.
Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

Primula obconica grandiflora Ronsdorfer and Latimana hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

The main thing, especially with the retail grower in the middle West, is to have them in bloom early. These flowers, and the Pansies, usually open the bedding season, and it matters but little as to what you tell your lady customers regarding how many flowers she might expect the plants to furnish later on, nine out of ten will want to have the plants in bloom when they make their purchase, and I can't blame them. Whenever we sow our Forget-Me-Nots or English Daisies during January, inside, we seem to be late with them as regards their flowering in Spring, therefore, we sow at this time in a cold frame outdoors, transplant the seedlings about the middle of September, and protect them during the Winter months as we do the Pansies. In that way we over-Winter them nicely, and have fine plants in early Spring, in full bloom, of both, which bring double the price the small stock does, and haven't taken up any valuable bench space, another item to consider.

In Forget-Me-Nots, get Victoria. This sort will give you short, bushy plants, fine for bedding purposes. In the Daisies there is now offered a great improvement over the old small sorts. Get it. A large flower is the order of the day, and one on a plant is worth six little ones. We have a good pink and white strain. What is wanted is a good red. It is just about 30 years since I came across a splendid lot of red ones of good size, but I lost track of them again, and while trying hard have not been able to get hold of the variety since.

Carnations

Get Ready for Housing the Plants

I find that quite a few of the large Carnation growers around Chicago are not in as big a hurry as in other years in getting their plants indoors. Last year practically every grower had most of his stock benched before August 1, but at the present few only have started to plant. I am under the impression that as weather conditions haven't been by any means normal ever since we had that unexpected freeze in April, it is about as well to put the housing off until the early part of August. This will give, practically, all of the varieties we grow a good show yet to get properly established before October. However, there is no reason why one should wait before getting things in shape for planting; that part is, after all, really the worst of the whole of the operations. Get the houses to be repaired inside shaded, so as to make it just a little more comfortable to work under the glass during these hot days. Get at the benches without delay, and then the soil. Don't wait one minute, it won't hurt a bit to have the benches filled several weeks ahead, and it will give you the very best chance to get the soil in an ideal condition for planting. Water it, weed and pulverize it—the more you do of the latter the better—and get it just right for planting. It is a pleasure for any gardener to plant when the soil is in proper shape; but hang the job when it is the other way, then it becomes hard work.

Calceolarias and Cinerarias

Proper Time Now for Sowing Seed

We are sowing out our main batch of Calceolarias, as well as the second lot of Cinerarias. There isn't a great deal of money for any of us in the handling of either one of these beautiful plants but, as I mentioned already a few weeks ago, as long as we conduct a retail business we must grow for the show house, and there are no other plants more entitled to be called show plants than the above. There is no secret about growing a Calceolaria so as to get a good plant. One thing always to be remembered about them is the necessity for a cool house; another is to keep aphis and green fly away from the leaves. The green fly, whenever permitted, will make headquarters with the Cinerarias, and wherever there are none Calceolarias are the second choice, and when they have once taken proper possession you have your hands full to get rid of them. We use a 12-inch seed pan, using a finely sifted, sandy leaf mold for the top layer. The whole pan and soil is submerged in water for about five minutes, and when sufficiently drained off, about one-third of the contents of a 50c. paper of seeds is sown evenly over the surface of one pan. I forgot to mention that the surface should be about one-half inch below the rim of the pan. After sowing, the pan is covered with a heavily whitewashed light of glass, 12x14, and placed in the Cyclamen house. The young seedlings do nicely there for the next two months. Get a paper of seed and grow a few for next Spring's blooming.

SALT LAKE CITY, UTAH.—The Miller Floral Co. of Davis county has completed its first Rose house. It is 45x300 ft. The company is expecting to build a similar house in proportions for growing Carnations. The company has 6000 Roses planted, some of which are already in bloom.



We Take the Lead

IN WHAT?
WHAT FOOLISH TALK!
In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.
Robusta Compacta and **Excelsa Glauca,** 6-in. pots, $1.00 to $1.25.
KENTIA Forsteriana, in fine shape, 4-5-6 year old, 4-6-7 in. pots, 25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.
KENTIA Belmoreana, 4-5-6 year old, 4-5½-6-7 in. pots, 25-30-35-40 in. high, 25c.-50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.
SAGO PALMS (Cycas Revoluta), long-leaved variety, 6-7-8 in. pots, from 5 to 20 leaves to a plant, 10c. per leaf.
COCOS Weddelliana, 3 in. pots, 15c., 20c., and 25c. each.
FERNS for Dishes, good assortment, 2-in. pots, $3.00 per 100.
STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.
NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Scholzeli,** 5½ to 6-in. pots, 25c.-40c.-50c.; **Scottii** and **Whitmani,** 5½ to 6-in., 35c.-40c.-50c.
BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.
Our well known strain, **SOLANUM MULTIFLORA (Jerusalem Cherries)** always full of large berries, 2½-in. pots, $5.00 per 100.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-5½ in., in bloom, 15c.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

GODFREY ASCHMANN
Wholesale Grower and Importer of Pot Plants
1012 West Ontario St., PHILADELPHIA, PA.
Please mention the Exchange when writing.

Asparagus

	Per 100
Sprengeri, 2¼-in. pots	$2.00
PANSY SEED, NEW CROP, GIANT FLOWERING, Ounce	$4.00

Primroses

	Ready July 15. Per 100
Chinese and Forbesii	$2.00
Obconica alba and rosea	2.00
Obconica gigantea	3.00

Cash Please}

JOS. H. CUNNINGHAM, Delaware, O.
Please mention the Exchange when writing.

SMILAX—SPRENGERI

Smilax, (ready August 1st), $10.00 per 1000.
Sprengeri, at $15.00 per 1000.
Let me send you a sample.

GERANIUMS, Rooted Cuttings

Ricard, Poitevine and **S. A. Nutt.** Orders booked for delivery on or before Oct. 15., at $10.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.
Please mention the Exchange when writing.

Smilax Plants

Strong plants from 2 inch pots, $1.00 per 100; $9.00 per 1000.

R. KILBOURN, Clinton, N. Y.
Please mention the Exchange when writing.

ASPARAGUS SPRENGERI

Strong, from 2-in. pots **$2.00** per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant)
2-in. very fine, from seed, **$2.00** per 100.
Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

WANTED

W. H. Lincoln Chrysanthemums, 2 or 2½-in. stock

SEASONABLE PLANTS

	Per 100
Stevia, rooted cuttings, by mail, prepaid	$0.75
Chinese Primroses, 2-in.	2.00
Primula Forbesii, 2-in.	2.00

Cash with order.

BYER BROS., Chambersburg, Pa.
Please mention the Exchange when writing.

Smilax—Asparagus—Geraniums

SMILAX, 2¼-in., $2.00 per 100; $18.00 per 1000.
ASPARAGUS Sprengeri, 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUMS, S. A. Nutt, 2¼-in., $2.00 per 100, $18.00 per 1000. Cash with order.

C. A. PETERSON, Madison, N. J.
Please mention the Exchange when writing.

The book of WATER GARDENING
By PETER BISSET. Price, postpaid, $2.50.
A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane St. New York

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
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Dorothy Perkins
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Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
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PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

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Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

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WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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Write at once to our American Agent:

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HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

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I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

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Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

GERMAN IRIS

Strong Clumps and Divisions for Autumn planting.
A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

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ROSE STOCK

3000 4-in. **American Beauty,** at 15c. each.
2000 each, **Brides, Bridesmaids, Richmond;** 1000 **Rhea Reid,** 300 **Ivory;** all own root, at 6c. each.

CHRYSANTHEMUMS

Our selection, good commercial varieties, at $3.00 per 100; $25.00 per 1000.

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NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

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AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

CORPUS CHRISTI, TEX.—The Gulf Coast nurserymen met here on July 11, and effected a permanent organization with the following officers: R. H. Bushway, Algoa, president; W. C. Griffin, McAllen, vice-president; R. W. Holbert, Arcadia, secretary; W. A. Stockwell, Alvin, treasurer. Alvin was chosen as the next meeting place. The organization is to be known as the Texas Gulf Coast Nurserymen's Association.

WALLA WALLA, WASH.—At the meeting of the Pacific Coast Nurserymen's Association held here July 13, the following officers were elected: President, George C. Roedeng, Fresno; secretary and treasurer, C. A. Tonneson, Tacoma; vice-presidents for Oregon, J. B. Pilkington; Washington, G. W. R. Peaslee, Clarkston; Utah, E. M. Tyson, Brigham City; British Columbia, Richard Ritz, Victoria; California, W. B. Elserly, Niles; Montana, D. J. Tighe, Billings; Idaho, C. P. Hartley, Emmett. San José, Cal., will probably be the next place of meeting. During the proceedings it was decided to eliminate the clause in sales contracts agreeing to replace stock. It was decided also to ask the railroads for car rates on "part lots." A radical departure was made in deciding that hereafter no price would be contained in the advertisements of nurserymen.

Blue Hydrangeas

The prolific blooming of the Hydrangea Hortensia this season, even of such plants as had no protection in Winter, surprises many, but not those who remember what a very dry Autumn the one of last year was. It was so very dry that even such late growing succulent growth as the Hydrangeas make was ripened to a degree they rarely experience, fitting them admirably for enduring the cold of Winter. Then though the cold was continuous, it was not of the severest nature, so that, all in all, it was a good combination for the Hydrangeas.

What we wish to speak of now is, in some degree, a repetition of what has been said before in this column, that this Hydrangea when planted out permanently produces flowers of a blue color instead of its normal pink color. It does hereabouts, and it does elsewhere, as it has been reported as occurring in many States. The flowers, as seen this year in many places vary in their blueness; some are of an intense blue color. But of the many observed this year not one is of the normal pink color. In the writer's garden are three bushes of them; all are of a good blue, deeper colored than last year, which was their first year out, when one of them varied but little from the pink type. The question is whether it is the custom of this Hydrangea to become blue in all States when planted outdoors as a hardy shrub. English works say of it that it varies much in color according to the soil and location, even in England.

A type of Hydrangea of a hardier nature than the Hortensia is the Japonica one. These have flat heads of flowers, the blossoms nearly all perfect, except a row of sterile ones on the circumference of the corymb, the perfect flowers usually of a deep blue, the outer—the sterile ones—not so blue. While hardier than Hortensia, it is not an entirely hardy class, requiring some protection; but when it and Hortensia are growing side by side the fact of its being somewhat hardier is evident. There are quite a number of the Japonica type in gardens near here, some of them old bushes, which make a beautiful display when their heads of blue flowers are displayed in July and August.

Wishing to have the correct name of one of the Japonica section flowering here, answering to the above description, a specimen was sent to Prof. C. S. Sargent, who kindly replies that it is the H. Hortensia cerulea. This is the one seen listed at times in catalogs under the name of H. Hortensia Japonica cerulea; the Japonica refers to the section—the flat headed one—it is in.

Our photograph represents a plant of the common H. Hortensia growing in Guernsey, Channel Islands, where the plants flourish finely, and there, too, the normal pink changes to blue at times just as it does here.

The portion of the hedge in the rear shows the Euonymus Japonicus variegatus, which does splendidly there, affording a good supply of young plants to English nurserymen, who find ready sales for it.

Shaping Deciduous Trees

This is the season of the year, July and August, when the most good can be done in bringing into shape deciduous trees. When the foliage is on them inequalities show better than at any other time, admitting of pruning that will make fine bushy specimens. Another thing is that growth is still vigorous, and by nipping off the ends of growing shoots more bushiness results than from any other method.

It is against good principles to prune away branches in Summer, as it carries from the tree foliage which is a help to it; but a branch here and there is no great loss; besides, the leaves have done a good deal of their work by the time August is here.

The Summer pruning of trees and shrubs by the finger and thumb process is now practiced by a great many. A knife is required but little, as it is only the tips of the shoots that are to be pinched off, mainly; only now and again is a knife necessary when a thicker shoot would be better cut away. When growth is flush a number of shoots succeed the one, soon filling out any inequalities in appearance, giving a ball-shaped specimen in the place of one not at all pleasing.

Landscape gardeners are changing their dates for the pruning of large trees. Formerly, it was altogether Winter work; now, with ornamental trees, it is to a great extent a Summer task, and for the reason aforesaid, the trees at that time showing exactly where the cuts of the limbs should be made to secure uniformity.

Because of the fruit, it is not possible to prune fruit trees in Summer, at least not all of them. Cherries could be pruned, perhaps, and some others, but Pears and Apples, holding their fruit late, would have to be held over until the fruit was gathered.

Straight Trunked Norway Maples

Every nurseryman and every buyer of trees knows that, compared with Sugar Maples, Norway Maples can rarely be had with as straight trunks as the former. This is caused by the central bud getting killed in hard Winters, causing side shoots to start to form a leader, with the result of there being a crook formed in the tree every time the central bud is lost.



Hydrangea Hortensia Growing in a Channel Islands Garden

The crooked trees common in nurseries a few years ago are not as prominent as they were. The reason is that great numbers of seedling Norways are imported, and these have never lost their central buds, hence are as straight as could be wished. Further than this, it has been found that when grown in good soil, in seed beds, seeds sown thickly, and seedlings undisturbed for several years, the result is that the seedlings are much straighter than they would be were they transplanted when small. Not only does one seedling protect the other, but the fact of being close together forbids the advancement of side shoots, so that even should the central bud be lost the side ones which then develop do not make nearly as much curve in taking the lead as it would do were there lots of room for its development.

As the greater number of these Maples are used for street and avenue planting now, low branches are not required, therefore the growing of the seedlings close together does no harm when it prevents them developing. When in good soil these seedlings in the seed bed are very soon of a height of six feet and over, after which no more straight trunk is necessary.

As to straight trunks on lawn trees, they are not nearly as necessary as for street ones. It does not add to the beauty of a lawn at all to have every tree as straight as can be, and nurserymen are sometimes told by landscape gardeners to let some of the trees ordered be a bit crooked of trunk. It reminds me of a foreman who was sent by his employer to set out a lot of "carefully selected" lawn trees, and who, when he came back at night, reported that a party driving by in a carriage had hailed him over the fence to "for the Lord's sake, stick in a crooked tree there, once in a while, won't you?"—the uniformity of the whole thing displeasing the observer, apparently.

Sowing Nuts of Chinquapin Chestnut

The Chinquapin Chestnut, the species of Castanea which makes but a bush, is being enquired for of nurserymen more than it was. This is the one native to Maryland and neighboring States, and which in a cultivated state is sometimes met with in old gardens. As it produces its nuts when it is but two feet or so in height, and continues to bear every season, it is a favorite wherever planted, for its shining black nuts are attractive, and, though small, their "meat" is excellent tasting. The nuts of this Chestnut ripen rather earlier in the season than the common sweet Chestnut but, like it, the nuts need sowing at once to have success with them. No Chestnuts will keep in good condition more than three weeks or so unless sown or placed in boxes of soil to retain their vitality. Because this is not done is why so many fail to raise seedlings from the nuts. To get them fresh, the nuts must be looked for toward the close of September, and if not sown at once they should be placed in damp soil until the ground is ready for them.

A bushel of nuts should be had from some collector, and sown in some part of the nursery where mice are not supposed to be, for these little pests will take every one from a bed if they find out where they are.

If space in a cold cellar is available, a good way is to place the nuts there for the Winter, mixed with slightly damp soil, sowing them outdoors the first thing in Spring. Mice and other hindrances to success which follow Autumn sowing outdoors are thus avoided.

Castanea pumila is the Chinquapin Chestnut.

The Chinese Honeysuckle

It would be hard to satisfy customers without a good supply of Honeysuckles, at least Philadelphia florists think so, for of all the hardy vines known these and Roses lead. The three mostly used are the evergreen Japan, the one with shining, smooth leaves, evergreen, unless in very much exposed places, and with white flowers; another is the Halleana, a rapid grower, not as smooth a leaf nor as shining as the other, but with flowers of much the same character. The third one is called the Chinese, and is the Lonicera Chinensis of catalogs, a sort quite distinct from the others. It is called the Red Honeysuckle by some, partly because its leaves are red and partly because its flowers are termed red, too. But it is the outside of the petals that shows the red color; when these petals expand the cream color of the inside of the flower is exposed. The combination of color is very pleasing. It adds to the value of this kind to know that it is sweeter scented than either of the other two named, partaking to some extent of the odor of the famed English Woodbine of the hedgerows of England, L. periclymenum.

One thing it does not excel in—rapid growth. It does not make the strong growth of the others, therefore is not as well fitted as a fast growing vine as they, but give it good soil and a moderate pruning, after flowering in Spring, and it is a very satisfactory Honeysuckle.

Dreer's Palms—Our Leading Specialty

CLEAN, HEALTHY, VIGOROUS PLANTS OF GOOD COLOR AND VALUE

ARECA LUTESCENS

A splendid lot of well-shaped plants, of good color.
2¼-in. pots, 1 plant in a pot, 85c. per doz., $6.00 per 100.
6-in. pots, 3 plants in a pot, 28 to 30 in. high, $1.00 each.
7-in. pots, 3 plants in a pot, 36 inches high, $2.50 each.

COCOS WEDDELIANA

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.
2¼-in. pots, 5 to 6 inchee high, $1.50 per doz., $10.00 per 100.
3-in. pots, 8 to 10 inches high, $2.00 per dozen, $15.00 per 100.
5-in. pots, 18 to 24 inches high, splendid plants, 75c. each.
7-in. pots, 34 to 36 inchee high, grand specimens, $2.50 each.

KENTIA BELMOREANA

	Per doz.	100	1000
2¼-in. pots, 4 leaves, 8 to 10 in. high	$1.50	$10.00	$90.00
3-in. pots, 5 leaves, 12 in. high	2.00	15.00	140.00
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00 each		
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50 each		
8-in. pots, 6 to 7 leaves, 42 to 44 in. high	5.00 each		
Specimen plants, 9 to 10 ft. high, in tubs, $40.00.			

KENTIA FORSTERIANA

	Per doz.	100	1000
2¼-in. pots, 4 leaves, 8 to 10 in. high	$2.00	$15.00	$140.00
3-in. pots, 5 leaves, 12 to 16 in. high	2.50	20.00	175.00
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00 each		
6-in. pots, 6 leaves, 34 to 36 in. high	1.50 each		
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00 each		
10-in. tubs, 6 to 7 leaves, 72 in. high	10.00 each		
11-in. tubs, 6 to 7 leaves, 84 to 90 in. high	16.00 each		

The following are exceptionally heavy and valuable decorative plants.

	Each
14-inch tubs, 6 to 7 leaves, 7 to 7½ feet high	$25.00
15-inch tubs, 6 to 7 leaves, 7½ to 8 feet high	30.00
16-inch tubs, 6 to 7 leaves, 8 to 8½ feet high	36.00
16-inch tubs, 6 to 7 leaves, 10 to 11 feet high	40.00
16-inch tubs, 6 to 7 leaves, 11 to 12 feet high	60.00



Cocos Weddellana

MIXED FERNS FOR DISHES

We have at all times a good supply of these.
2¼-inch pots, $3.50 per 100, $30.00 per 1000.

KENTIA FORSTERIANA—Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 inches high	$2.50
7-in. tubs, 3 plants in a tub, 38 inches high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 inches high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 inches high	6.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00
16-in. tubs, 3 plants in a tub, 7½ to 8 ft. high	25.00

KENTIA FORSTERIANA

Special Bargain for Decorators.

We have a block of large plants of this variety in 8-inch tubs, 4½ ft. high with 6 to 7 leaves which we offer at the exceptionally low price of $4.00 each, because some of the leaves have been slightly clipped. While they cannot be offered as perfect, they are healthy and vigorous, the later leaves being perfect and not clipped.

LIVISTONA ROTUNDIFOLIA

We offer a fine lot of this desirable miniature Fan-Palm.
2¼-inch pots, $1.50 per doz., $10.00 per 100.
3-inch pots, 2.00 per doz., 15.00 per 100.
4-inch pots, 3.50 per doz., 26.00 per 100.
5-inch pots, $6.00 per doz., (nicely characterized.)

PHŒNIX RUPICOLA

Good 6-inch pots ..... $1.50 each
Good 8-inch tubs ..... 2.50 each

PHŒNIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer 3-inch pots, nicely characterized, $3.50 per doz., $26.00 per 100.
4-inch pots, nicely characterized, 60c. each.
5-inch pots, nicely characterized, $1.25 each.
6-inch pots, nicely characterized, 2.00 each.
We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $60.00 each.

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy, it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Rose Plants

1200 BRIDES, at $40.00 per 1000.
1500 BRIDESMAIDS, at $40.00 per 1000.
1000 Mixed Brides and Bridesmaids, at $30.00 per 1000.
All fine stock, well-grown for own use.

500 Beaute Poitevine Geraniums, 4 inch, $5.00 per 100.
Cash please with order.

LLEWELLYN, Florist, Olean, N. Y.
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Brides and Bridesmaids

2½-in. **$2.50** per 100; **$25.00** per 1000
Numerous other good sorts in prime stock.

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Order Now

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
3-in., $7.00 per 100; 4-in., $15.00 per 100

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Baltimore

The extremely hot spell has brought business in floral circles almost to a standstill and has greatly reduced the supply of cut flowers on the market. Stock at present, such as it is, finds poor sales. The drought is beginning to be a serious matter and there are but slim prospects for a break. Many of the growers are taking their field plants up and planting them inside to save them. At present much repairing is being done in readiness for the Fall trade. Funeral work is about the only work to be looked for and it has been steady and everyone has had a fair season.

W. C. Erdman, Belair road, is erecting a new house, 200x40 ft. He will grow Carnations in it.

Henry Christ, Belair road and Brehm's lane, has erected a new house 65x35 ft.

Hilbert & Hammond, Belair road, are building another house 150x35 ft., and have a fine lot of Chrysanthemums planted. They also have had a 5300 gal. tank and tower installed. They have disposed of 65,000 Chrysanthemum plants. This firm has been in business about one year and now has 45,000 sq. ft. of glass.

Richard Vincent, Jr., of White Marsh, Md., has bought a new automobile.

Messrs. R. Vincent, Jr., Prof. C. P. Close, Orlando Harrison and J. L. Towner have put in some very serious work in order to make the Summer outing of the Maryland Horticultural Society a success. J. L. T.

Mayland State Vice-President Richard A. Vincent, of the S. A. F. & O H., has addressed the following letter to the trade in his State:

On August 16, the Society of American Florists will meet at Rochester, N. Y., and it is the desire of all interested that Maryland should be well represented. Arrangements are now under way for a special car and everything points to a very enjoyable trip. The fare will be $15.90.

Now, there is no estimating the advantages to be derived from attending this convention. The successful florist of today must be wideawake. He must, as well as any other business man, keep abreast of the times. He must keep in touch with every advancement along his line, and there is no other place under the sun where he can get in touch with the leading ideas of everything pertaining to floriculture as at the convention of the S. A. F. & O. H.

Why is it that there are laws passed today in favor of the banker, the baker, and the candlestick maker? They meet in conventions; they are organized; they make their demands, while the florist sits at home and kicks because he does not get laws passed that would be advantageous to his business.

Now don't you think that you should go with the Maryland delegation to Rochester, and not only help make up one of the largest delegations that has ever attended from our State, but help to make the S. A. F. an organization that can go before the lawmakers of our land and demand such laws passed as would be of a benefit to our trade in general?

The fees for membership are $5 the first year and $3 annually thereafter. This can be remitted direct to the secretary, H. B. Dorner, Urbana, Ill., or to me, and I would suggest that you attend to this at your earliest convenience and not wait until you get to the convention.

We trust we can count on you to be one of our party.

Respectfully,
R. A. VINCENT,
State Vice-President for Maryland.

Catalogs Received

CHARLES D. BALL, Holmesburg, Philadelphia, Pa.—Wholesale Price List of Ferns and Decorative Plants, Autumn, 1910.

MARSHALL & CO., W. E., 46 West 23d St., New York.—Catalogue of Bulbs for Fall, 1910. Includes a complete and representative collection.

W. A. MANDA, INC., South Orange, N. J.—Manda's Pocket Garden Dictionary and Catalogue of Everything pertaining to Horticulture, 1910.

HASTINGS, H. G. & CO., Atlanta, Ga.—Catalogue No. 40, Summer and Fall, 1910. A complete compendium of seasonable stock for Southern florists and planters. The covers are in colors, Crimson Clover, Oats and Winter Vetch being represented on the front thereof and Hasting's Big 7 Turnip Collection occupying the back.

Fifteen Acres Devoted Exclusively to

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Our Seventeenth Year. Prices Right.
Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.
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Begonia Gloire de Lorraine

2¼-inch repotted Stock
Price, $15.00 per 100

SCOTT BROS.
Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $16.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.
Please mention the Exchange when writing.

BENCH FERNS

All fine, bushy, new growth:
Scholzeli, best house Fern, for 4-in. 18c., 5-in. 25c., 6-in. 35c. **Boston** and **Whitmani,** for 5-6 in. 20c. **Whitmani,** extra, for 6-in. pots, 25c. **Scottii,** for 4-in. 10c., 5 in. 15c. **Bostons,** 6-in. 15c.
ASPARAGUS Plumosus, 3½c., **Sprengeri,** 3c. Strong 3-in.
Gov. Herrick Violets, strong plants, $1.50 per 100. Cash Please.
WILLIAM S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

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As a general Insecticide for destroying greenhouse and outdoor pests,

Is due to the hearty endorsements of the many expert Floriculturists who have fully tested Aphine and have not found it wanting.

Its success is the talk of The Trade.

It does all that is claimed for it, and more.

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Aphine Manufacturing Company

Madison, N. J.

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Syracuse, N. Y.

One of the worst storms ever known struck this city Wednesday night and the damage will be enormous to greenhouse property, as hailstones as large as a half-dollar came down with terrific force accompanied by a cloudburst, which blocked the streets. Full particulars will be given next week. H. Y.

Newport, R. I.

The month of August promises to be a busy one with the florists; the number of cottagers here is greater than for several seasons. And the arrival of the New York Yacht Club squadron on July 6, followed by the opening of the National Lawn Tennis Tournament at the Casino on July 15, and the arrival of the United States Atlantic fleet, with the attendant entertainments already planned for the officers and men, is going to make things hum. Newport will be a good place to visit at that time for those who want a rest and at the same time see something doing.

Hardy herbaceous flowers have been playing an important part in the flower stores' window decorations lately. Asters are just beginning to come in and are of good quality. Gladioli have been plentiful, and the variety America appears to be the favorite. Carnations in the field are looking well, and will be benched in much better condition than last year, and that notwithstanding the extremely dry Summer. It seems odd that we should have another dry season, which makes the third in succession.

It is pleasing to note that John P. Hammond was re-appointed to a five-year term on the Park Commission, by Acting Mayor William Shepley, at the annual meeting of the Commission on Tuesday, July 26. Mr. Hammond is a live, practical gardener and he, with his brother gardener, Richard Gardner, and secretary, H. W. H. Powel, who although not a gardener yet has had a wide experience in park management, are sure to make their influence felt for good.

A. M. L.

Pittsburgh

Business continues to be quiet. Carnations are poor. Roses are coming in small, but the quality is fair. Asters are improving but far from the usual stock. Lilies are good. A few Am. Beauty are being shipped in and are well colored. Sweet Peas have seen their best days. Gladioli are coming in better, but the absence of rain has delayed the crops.

Visitors: Mr. Johnson, representing A. L. Randall Co., Chicago, Ill.; M. J. Beatus, Dayton Paper Novelty Co., Dayton, O; Julius Dilloff, Schloss Bros., New York City; Norval Kiger and wife, Marietta, Ohio. D.

For travel to Rochester Convention see editorial pages.

Greenhouses Building

KEENE, N. H.—Ellis Bros. & Co. are rebuilding one of their greenhouses.

PHILADELPHIA, PA.—J. Wolff, Jr. is building an additional greenhouse 18 by 70 ft.

ELDORA, IA.—The J. S. Polland Floral Co. is building a large greenhouse plant.

ELMIRA, N. Y.—The United States Cut Flower Co. is contemplating a large addition to its plant.

EUGENE, ORE.—The Misses Patterson are making a 40 by 103 ft. addition to their greenhouse plant.

WOOSTER, O.—A petition in bankruptcy has been filed by F. H. DeWitt & Co., florists, and Frank H. DeWitt, an individual. The liabilities are estimated at $10,000, and the assets $7,000.

CLINTON, MO.—A wreath of flowers laid every year for ninety-nine years on the grave of a woman is to buy for Clinton seventy acres of ground and a hotel building. The value of the property is now estimated at $75,000. By the time the debt is discharged the value will have multiplied many times. The remarkable offer is made to Clinton by H. P. Faris, two years ago candidate for governor of Missouri on the Prohibition ticket. Mr. Faris's wife died about a year ago. The property he offers to Clinton is intended as a memorial to her and as a means of perpetuating her name.

Coming Exhibitions

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the American Gladiolus Society in connection with that of the S. A. F. L. Merton Gage, cor. secretary.

Rochester, N. Y., Aug. 16-19, 1910.—Exhibition of the Society of American Florists and Ornamental Horticulturists. Chas. H. Vick, Rochester, N. Y., Supt. of Trade Exhibit.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

Hartford, Conn., Sept. 23-24, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

St. Louis

John J. Burke, who has been out of business for about a year, will again open his old stand at Grand and Finney aves., about August 15.

John Seckester, well known among the florists and until recently in the wire shops of both Kuehn and Smith, committed suicide the past week. The funeral took place Thursday, July 21.

Ben Neimeyer, who is in business with his father at Kirkwood, surprised his many friends by getting married to one of the neighboring belles; the couple are off on a honeymoon trip.

John Rau, vice-president of the St. Louis Seed Co., has taken his family to Waterloo, Ill., for the Summer, where Mr. Rau will spend about two weeks with them.

Our florists who are abroad this Summer, Messrs. Aue, Holtzhorn and Henchel, writing to friends here, say they are all having a great time and on their return will be ready for a big season's work.

"Billy" Smith, Geo. Angermuller and Oscar Kuehn paid a visit to Fred Foster's place in Kinloch on Saturday, July 23. It fell to poor "Billy" Smith to dig the first three-foot post hole for Fred's new greenhouse.

The American Apple Growers' Association will hold their annual meeting here August 10 and 11 at the Planters' Hotel. The program of the meeting will be issued by T. C. Wilson, the secretary. Part of the entertainment of the members will be the dinner known as the Henry Shaw dinner given by the trustees of the Mo. Botanical Garden, at which invited florists, nurserymen and market gardeners will attend.

The 21st annual banquet to gardeners, florists and nurserymen, provided for in the will of Henry Shaw, will be given at the Southern Hotel, August 11.

ST. PATRICK.

For travel arrangements St. Louis to Rochester see editorial pages.

The St. Louis Florists' Club Picnic

The seventeenth annual picnic given by the St. Louis Florists' Club was the largest and best managed affair ever given, all details being complete. The only hitch occurred when trustees Ostertag and Bentzen failed to put in their appearance, sending word that business prevented their coming, but trustee Schoenle was equal to the occasion and picked up two "working boys" in Frank Windler of Smith's and Al. Gunns of Angermuller's, who surely did a lot of hard work. They were assisted by the reception committee, F. Fillmore, Walter Pilcher and J. J. Beneke. Too much credit cannot be given those gentlemen for the way they worked to make the outing the grand success it proved. It was noticed that the majority present were the younger generation, sons and daughters of the local florists, and they surely had a good time at dancing, boating, fishing and taking part in all the events of the day. The weather could not have been finer if it had been made to order.

The crowd was the largest in number of any previous outing given by the Club, and the many regulars who failed to come out surely missed the most pleasant afternoon the local florists have yet had.

In all the games there was a big line of contestants for each event and the prizes were all valuable. The ball game between the teams of the employees of C. C. Sanders and Bentzen Floral Co., caused much amusement and was exciting throughout, only five innings being played. At the end the score showed that the Sanders team won the game 8 to 2.

The other contests were won as follows:

The 25 yard dash for girls under 16—Miss Alice Jablonsky carried off the parasol.

The egg and spoon race for married ladies, the prize being a fine cut glass bowl, was won by Mrs. A. F. Jablonsky.

The 50 yard dash for boys under 16 was won by Harold Briggs, a fishing rod.

The potato race for girls under 16 years was won by Alice Mellenery, a pair of cuff buttons.

The 50 yard dash for young ladies over 16 years—Miss Jennie Bolard came in first; silver purse.

The hop, step and jump was won by Phoenix Jablonsky; a knife.

The fat man's race was declared off owing to the fact that all the fat men present refused to run; so the committee changed the race to all men over 35 years old. J. J. Beneke won the first heat, C. De Wever the second. On the runoff Beneke was declared the winner, he being the oldest runner in the bunch, 54 years old. The prize was a new hat.

The tug-of-war—two sides were made up by Messrs. Smith and Beneke. After a short pull, Smith's heavy weights won out. Prize, a box of cigars.

A bird and cage was donated by the St. Louis Seed Co. This was offered as a prize for the person guessing the number of seeds in a sealed jar. There were 88,000 seeds in the jar and the nearest guess was made by Herman Weber, 82,000. Then came the fashionable event of the day, the prize waltz. The judges were Frank A. Weber, H. Weber and H. J. Pilcher. They announced Mr. Edward Gerlach and Miss Minnie Beyers as the winners of first prize, a silk umbrella; Carl Weber and Miss C. Klockenkemper won second prize, a gold bracelet.

After this, a photograph of the group was taken and the rest of the day was given over to the young folks and all voted it the best picnic the florists ever had.

ST. PATRICK.

Cincinnati

Business was fair during the past week, stock cleaning up nicely every day, and at better prices. American Beauty Roses are about the only Roses that will last these warm days, and even they, if not used the same day as purchased, are wide open the next morning. They are in good demand and more could be used; more white flowers of every kind could also be used. Few Carnations are coming in, and are selling at $1 and $1.50 per 100.

Mrs. P. J. Ollinger left during the past week for Chicago, where she expects to remain for the Summer.

C. E. Critchell is receiving some very good Hydrangeas.

E. G. Gillett, who is now spending a few weeks in Traverse City, Mich., with his family, reports that they are having a fine time, fishing good, and the breezes from Traverse Bay refreshing.

A letter from B. F. Hensley of Knightstown, Ind., states that his two new greenhouses are completed and planted; he also says that he has changed his hot water system to steam heat, which he thinks will be better.

The annual outing of the Cincinnati Florists' Society, which was held at the Carthage Country Club on Thursday, July 21, was a brilliant success. Every florist that attended talked of the good time he had for the balance of the week. J. T. Conger won the "old man's race." Al. Heckman won the second prize for waltzing. Numerous other games were enjoyed.

Al. Murphy and Wm. Murphy motored over to Indianapolis last Saturday.

Will Gear enjoyed a fishing trip to Long Acre, Ind., leaving Saturday afternoon and returning Monday morning. He reports having caught a fine mess of fish.

E. G. GILLETT.



Phoenix Roebelenii

As grown by Chas. Eble, New Orleans, La.

Incorporations

NASHVILLE, TENN.—The Idlewild Greenhouses have been incorporated with a capital stock of $20,000. The incorporators are Otto Schwill, F. C. Owen, W. H. English, C. W. Schwill and Israel H. Peres.

INDIANAPOLIS, IND.—The Northern Indiana Florists' Association, Winona Lake, has incorporated with no capital stock, to advance the science of floriculture. Directors, W. W. Dederick, A. J. Wagoner, W. S. Kircher, J. S. Stuart, D. C. Noble, George Pastor and J. H. Shelton.

BLOOMFIELD, N. J.—The Greenhouse Construction Company, Incorporated, having its registered office at 143 Nelson street, Bloomfield, has filed articles of incorporation. The authorized capital is $125,000, of which $1,000 is paid up. The incorporators are E. J. Forhan, G. F. Martin and H. P. Jones, all of New York.

MORRISON, ILL.—The R. R. Davis Company of Morrison has been incorporated. The capital stock is placed at $60,000 and R. R. Davis, J. W. Steiner and Frank L. Davis are named as incorporators. The objects of the company as set forth in the articles are "horticultural and live stock business, and dealers in gravel, cement and fertilizers." It is stated that the newly incorporated company is a consolidation of the R. R. Davis Company and Davis & Steiner, both greenhouse firms. The incorporators state that they have no intention of embarking in other business at the present time, but made provision in the charter for other business if they decide to enter other lines of trade.

EVANSVILLE, IND.—The Wm. Blackman Floral Co. has increased its capital stock from $5,000 to $10,000.

MINNEAPOLIS, MINN.—The greenhouse of Julius Rieck at 47th and Bryant aves. was damaged by fire July 18.

Somerville, Mass.

Ernest G. Witney, head designer for J. M. Howard, will leave on his honeymoon Aug. 2, sailing for England, to be gone six weeks.

John Arenthorst and John Price also of J. W. Howard's staff, have just returned from vacations spent in Marranacook, Me., fishing most of the time.

Southern Grown Phoenix Roebelenii

Chas. Eble of 121 Baronne st., New Orleans, in enclosing a photograph of a plant of Phœnix Roebelenii, taken from a lot grown by him, says: "I have now several hundred well-grown plants of this valuable Palm and expect to make a display at the Convention. I find that we can grow these to fine specimens in much shorter time than further North. Seed which would require from five to six years to make a specimen in a colder climate, can be grown here, to stronger stock, in three to four years. With light protection in Winter they can be grown outdoors and I have plants now that will produce seed by next Summer. I believe this variety to be the most valuable for vase or tub from the fact that there is no other Palm having the gracefulness and dwarf Fern-like appearance of this. I can recommend Phœnix Roebelenii as a hardy indoor plant as well as for the porch or lawn."

Orchids for Beginners

Read by Joseph A. Manda of West Orange, N. J., before the members of the Elberon Horticultural Society.

Orchids, the acknowledged aristocrats of the floral kingdom, have gained wide popularity within the last few years, especially among the owners of private greenhouses. No place, whether large or small, is considered up to date without some of these floral gems, possessing as they do qualifications which place them at the head of all other varieties of plants; first, they are, without doubt, the handsomest and most gorgeous flowered plants known; second, they produce some of the strangest flowers imaginable, resembling swans, butterflies, and even tiny babies; third, they can be grown in any ordinary greenhouse with a temperature of 55° to 60°, suspended from the roof, thereby not utilizing any bench room; fourth, you can always depend on your crop of flowers even in dark and cloudy weather.

With all these qualifications they surely deserve to be represented in every establishment in the country.

Some years ago the culture of Orchids was considered one of the mysteries of the horticultural world, but today they can be grown as easily as any other class of plants. In fact, I would rather grow a house of Orchids than a house of Roses any day.

If the following points are observed with a little common sense added, you will have no difficulty in growing these gems.

First, give plenty of air whenever weather permits, and in Summer leave ventilation open all night; second, give them abundance of light shading them only from the burning rays of the sun; third, water the plants thoroughly, especially during the growing season, letting the plants dry out occasionally to prevent the material from turning sour. In the epiphytal Orchids, when the pseudo bulbs are finished, water should be withheld to some extent, so as to ripen the bulbs which will insure you a good crop of flowers.

For potting material I prefer good fibrous peat, top dressing the plants with a mixture of peat and sphagnum chopped fine, which insures even and short growth of moss on top of the pot, pan or basket.

Plants should be potted firmly and not overpotted; this, especially, should be observed in potting imported plants. The plants should be repotted, generally, after flowering, so as to get the new roots which the new bulbs send out into the new material. Be careful not to disturb the roots; better break the pot or pan.

In small collections I would advise the use of baskets, especially for cutting Lælia and Dendrobiums.

Orchids, just like any other plants, are subject to attacks of different kinds of insects and pests, the most dangerous of all being the Cattleya fly. This should be watched very carefully; as soon as it makes its appearance, which can always be detected by the unnatural size of the new growth, isolate the plants, if possible, from the others, and give thorough fumigating two or three times a week. If the plants are watched, when the fly comes out of the growth a thorough fumigating will kill it before it has a chance to lay its eggs on another plant. Cutting off the affected growth and burning it is also a good way to get rid of this pest. Thrip and mealy bug can be prevented by spraying in good weather and fumigating regularly.

Selection

The following list of about 25 varie-

ties, with a brief description, I consider most suitable for beginners in Orchids, being all of easy culture, succeeding in an ordinary greenhouse suspended from the roof. Cattleyas, of course, rank first as they produce large and showy flowers. If proper selection of the different varieties is made you can have them in bloom nearly all the year around.

Cattleya Trianæ.—Most useful and best of the genus, flowering during the Winter months.

Cattleya labiata.—One of the finest and showy species, blooms from September to December.

Cattleya Mossiæ.—This is the best Cattleya for early Spring.

Cattleya gigas.—The most showy of the genus, flowering in May and June.

Cattleya Schroderæ.—The Easter Cattleyas; free bloomer, sweet-scented.

Cattleya Gaskelliana.—This is a late Spring and early Summer-flowering variety of easy culture.

Cattleya Mendelii.—A very showy variety, flowering from May to July.

Cattleya Percivalliana.—Flowers not as large as the other varieties, but very free bloomer. November and December.

Cattleya Skinneri.—Producing large clusters of flowers after Schroderæ.

Cattleya Harrisoniæ.—This is a fine Midsummer-flowering variety of pleasing color.

Cattleya Bowringiana.—Producing as many as forty flowers on a single spike. October and November.

Cattleya Warnerii.—Known as the Spring-flowering labiata, flowering in early Spring.

Lælia purpurata.—The most showy of the genus, flowering in May and June.

Lælia anceps.—Fine free variety, producing deep rose-colored flowers.

Lælia autumnalis.—Another fine species, producing large flowers about the same time as Lælia anceps.

Dendrobium nobile.—This showy plant is considered one of the best, flowering from December to March.

Dendrobium Formosum. — Producing large waxlike flowers in the Autumn.

Oncidium varicosum.—Very showy, producing large arching spikes of deep yellow flowers in November and December.

Oncidium tigrinum.—Another good Winter-flowering variety, very sweet-scented.

Odontoglossum citrosmum.—A beautiful Orchid, producing white and pink flowers on a drooping spike. May and June.

Odontoglossum grande.—Known as the Baby Orchid, producing its showy flowers in the Fall.

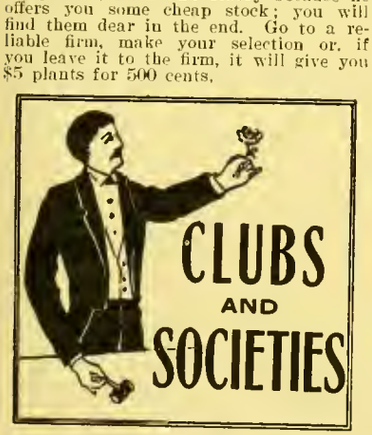
Lycaste Skinneri.—One of the easiest Orchids to grow; very free flowering; blooms in Winter.

Vanda cœrulea.—This is a very showy variety, producing its bluish flowers in November and December.

Cypripedium insigne.—Every one knows this popular Lady Slipper; it needs no description.

Cypripedium Lawrenceanum. — Fine Spring flowering; very useful.

Now a word or two for the man going into growing Orchids, whether on a small or a large scale. When contemplating buying Orchids do not try to see how cheap you can get them, but how good. If you buy only a dozen plants you will be far better off by buying them at $4 and $5 each than if you had received two dozens at $2 and $2.50 each; they will give far better results and satisfaction. Do not buy Orchids from every Tom, Dick and Harry because he offers you some cheap stock; you will find them dear in the end. Go to a reliable firm, make your selection or, if you leave it to the firm, it will give you $5 plants for 500 cents.



Elberon (N. J.) Hort. Society

This Society held a meeting on July 18, with President Peter Murray in the chair. Joseph A. Manda, of West Orange, N. J., read a very interesting paper, which we print in another column, on "The Culture of Orchids," which evoked quite a discussion. We are sorry to announce that our Treasurer, Peter Ewen, tendered his resignation of his office on account of leaving the district. He takes up his new position on August 1, as gardener to Henry Phipps, Roslyn, L. I. The Society wishes him every success. Charles O. Duncan was elected treasurer for the remainder of the term. The points competition resulted as follows: A. Bower, 88 for Oncidiums; Wm. Seymour, 85 for Gladiolus Mrs. Frances King; C. O. Duncan, 75 for Pandanus Veitchii.

ALEX. FLEMING, Rec. Sec.



Asters Carelessly and Improperly Bunched

Newport (R. I.) Horticultural Soc.

A regular meeting of the above named Society was held on Tuesday evening, July 26, with President James Robertson in the chair. It was voted to hold a ball on the evening following the close of the September show, and the following were appointed the committee to take charge of the arrangements: Andrew S. Meikle, William F. Smith, John Forbes, John B. Urquhart and John T. Allan. The president also appointed vice-president John P. Hammond, James J. Sullivan and Colin Robertson a committee to judge the school gardens; and for the Fall show he appointed a committee of nine as judges, to serve in three sets of three each.

Samuel Speers, gdr. for Prof. W. Brenton Green, had on exhibition a red gooseberry, very large berries of excellent flavor, a seedling from Industry, and on recommendation of the judges, William F. Smith, John Baumgarten and James Hooper, he was awarded the Society's first class certificate of merit.

John Hays, of Henry A. Dreer, Inc., who with his family are spending their vacation here, was present, and spoke of his pleasure at being able to be among us.

ALEX. McL.

G. and F. Club of Baltimore

A regular meeting of the Gardeners' and Florists' Club of Baltimore was held in the Club's rooms on Monday evening, July 25. President G. Morrison was in the chair. The meeting was fairly well attended, and interesting. The main business of the evening was the final arrangements for the Club's journey to the Summer meeting of the Maryland Hort. Society at Ocean City, on Thursday. From the indications a large delegation will go. Mr. Vincent had the floor and spoke of the trip and of the S. A. F. convention. He said it was an education for the florists to attend the conventions. The members will sail on Thursday at 6.30 a. m., and will reach Berlin about 9 a. m., and visit the Harrison Nurseries, where a meal will be served, and about 8 o'clock they will take a train for Ocean City; the next day at 10 o'clock a regular meeting will be held, and after that a jolly time will be had. The committee on the Summer outing of the Club, to be held late in August, is composed of Isaac Moss, F. Bauer and J. Boone.

J. F. T.

SOUTH BEND, IND.—C. E. Campbell, receiver in the case of the South Bend Supply Co. against the South Bend Floral Co., conducted a receiver's sale on July 14, at which time he disposed of all the real estate of the defendant company.

Some Foreign Plant Introductions

Received by the Department of Agriculture, Bureau of Plant Industry, Washington, D. C., and for distribution for test by those interested as stock permits.

ANONA SPP. 27609-610. From Horqueta, Paraguay. Presented by Mr. T. R. Gwynn. 27609. "Fruit small; plant a good-sized tree, as large as the orange tree, handsome, with splendid foliage." 27610. "Fruit large; plant a small bush, growing here in almost any soil. This is the best variety of all, according to my thinking." (Gwynn.) For distribution later.

BERBERIS CHILENSIS. 27419. From Mr. Jose D. Husbands, Limavida, Chile. "Michay. A yellow-flowered, thorned, dark-leaved evergreen bush, about 6 ft. high, suitable for live fences and ornament. The Indians eat the fruit." (Husbands.) For distribution later.

CARICA PAPAYA. 27575. From Dongola, Ill. Purchased from the Rose Valley Nurseries. "The female plants of this variety bear a fruit the size of a large Muskmelon, and are as easily fruited under glass as the Tomato. The male plants produce, in long racemes and in large clusters, enormous quantities of beautiful, wax-like, star-shaped flowers." (Rose Valley Nurseries.) For distribution later.

CASTANEA SP. 27587. Seedlings of Corean Chestnut from Yokohama, Japan, purchased from the Yokohama Nursery Company.

CRATÆGUS SP. 27339. From Souchoum Kale, Caucasus. An evergreen, ornamental Hawthorn, probably a form of C. pyracantha, of strong growing habits, but somewhat irregular growth; of value as an ornamental evergreen. (Meyer's introduction.)

ELEAGNUS SP. 27775. From Tiflis, Caucasus. One of the best and most prolific sorts for Oleasters. Fruits large, nearly cylindrical in shape; color, yellowish-gray, sun side dark red. Skin very thing and easily peeled off from fruit when fully ripe. Flesh light grayish-yellow, tender and sweet. Eaten fresh or dried as a dessert, also stewed in milk. (Meyer's introduction.)

ANCHUSA MYOSOTIDIFLORA. 28023. A beautiful perennial Spring-flowering plant, looking strikingly like a large Forget-me-not. (Meyer's introduction.)

DIGHTON, MASS.—A. Ellery Briggs is building a new cement foundation for one of his greenhouses.

WELLINGTON, O.—Fred Sutliff has purchased the Yale Greenhouse from its recent owner, Mr. Richter, and will take immediate possession.

KEENE, N. H.—Ellis Bros. & Co. are rebuilding one of their greenhouses and enlarging their plant in other ways. A new storehouse and shed are also being erected.

Asters—How to Bunch for Market

The Aster season is almost here, and to those who want to make the most of their crop, I would advise that particular attention be paid to the matter of bunching. This question has been a vexed one for many years with the wholesaler, who handles Asters on a large scale. It is a common sight to see first-class Asters so carelessly bunched as to be unfit for sale, while a poorer grade, neatly bunched and tied, would sell more readily.

Asters, to be properly bunched, should be stripped for about three inches from the bottom of the stem and bunched with the heads together, length of stems, of course, being even, then securely tied about two inches from the end of the stems.

The Asters in the accompanying illustrations were picked at random from the same lot, one bunched by the grower, the other rebunched. The improvement is plainly evident though from some points of view not as artistic. However, the one rebunched would sell 10 to 1 against the other. The main point to bear in mind is that the man who purchases your flowers is a professional flower buyer and sees at a glance whether the stock has been carefully prepared for sale. The Aster grower who bunches his stock neatly will find that his returns will well repay the little extra time required in paying particular attention to this question of correct bunching.

H. B. STRINGER.



Asters Properly Bunched, due Care Having been given to Show off the Flowers to Best Advantage

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Index to Florists' Exchange, Vol. XXIX

This index, covering the period from the first issue in January to the last issue in June, 1910, is now ready for distribution. This index contains a complete reference to all matters of interest which have been mentioned during the past six months and we should like every subscriber who keeps full files of the EXCHANGE to have this Index. Subscribers desiring a copy of the index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

Society of American Florists and Ornamental Horticulturists

Twenty-Sixth Annual Meeting and Exhibition Rochester, New York, August 16-19, 1910

Rochester Convention Notes

Special Railroad Rates to Rochester

A rate of one and three-fifths, on the certificate plan, has been granted by the Trunk Line Association, New England Passenger Association, Central Passenger Association and the Eastern Canadian Association. Tickets may be secured not earlier than August 12, nor later than August 17, and will be good returning up to and including August 23. In securing your tickets purchase a full one-way first-class ticket and *be sure to request a certificate.* Inquire at your home station and ascertain whether certificates and through tickets can be obtained to the place of meeting. If not, purchase your ticket to the nearest point where they may be secured and there purchase a through ticket and certificate. No reduction of fare will be made unless a certificate be secured at the time of the purchase of the ticket. Be sure to ask for a certificate and not a receipt.

Immediately upon your arrival at the convention hall, present your ticket and 25 cents to the secretary. A fee of 25 cents is charged for each ticket validated. An agent of the Associations will be present at the office of the secretary on August 17 and 18, from 9.00 a.m. to 6.00 p.m. to validate certificates. *No certificates will be signed before or after that date.*

When returning, present your certificate at the railway ticket office and a ticket at three-fifths of the regular fare will be furnished you.

For those living west of the western boundary of the Central Passenger Association, that is, west of Chicago and St. Louis, Summer tourist tickets may be purchased to Chicago or St. Louis, from which point the reduced rates may be secured to the place of meeting. It will be well to confer with your local agent for full particulars regarding rates and routes.

Special trains and special cars will start from many of the larger centers. By joining one of these a very pleasant trip may be had. Where members are desirous of joining parties from the larger cities information concerning the trip may be secured by writing to the secretaries of the local florist organizations as follows:

Chicago, Ill.—L. H. Winterson, 45 Wabash ave.
New York, N. Y.—John Young, 131 W. 28th st.
St. Louis, Mo.—J. J. Beneke, 1216 Olive st.
Cincinnati, O.—A. Sunderbruch, 316 Walnut st.
Boston, Mass.—Geo. Cartwright.

Headquarters

Headquarters for the convention will be at the Seneca Hotel. Both the president's reception and the reception given by the Ladies' Society will be given here. It will also be headquarters for the ladies.

The Trade Exhibition

The trade exhibition promises to be the best ever held by the Society. It is the opinion that no hall has ever been secured which is better adapted for exhibition purposes. Convention Hall, a large, well lighted, brick structure with over forty-eight thousand square feet of floor space, has been donated free of charge by the Rochester Chamber of Commerce. From the present outlook this will be filled to its utmost capacity. Growers of plants and dealers in florists' supplies will have the best of facilities for displaying their goods and for meeting the best buyers from all parts of the country.

Exhibitors are reminded that the duties of the judges are limited to the consideration of and the making of awards to novelties and improved devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with rates, may be obtained by addressing C. H. Vick, superintendent, Rochester, N. Y.

The exhibition will be open to the public every evening at 7.00 p.m. and on Thursday from 2.00 p.m. until closing time. At all other times the exhibition will be closed to the public. An admission fee will be charged. Members are merely required to show their badges.

The meetings of the Society will also be held in the same building.

National Flower Show

The National Flower Show committee will maintain an office at the exhibition hall during the time of the convention. The office will be in charge of Chester I. Campbell, who has been appointed manager of the coming show. H. B. DORNER, Sec'y.

Trade Exhibition

All exhibitors who intend entering novelties and new devices, to be submitted for awards, for the S. A. F. and O. H. trade exhibition at Rochester, N. Y. Aug. 16 to 19, should please send entries at once. The list must be ready for the judges the morning of the first day, Tuesday, Aug. 16. CHAS. H. VICK, Supt.
191 Main st., Rochester, N. Y.

Rochester Local Arrangements

The executive committee of the Rochester Florists' Association has matters well in hand for the entertainment of the visitors. A few minor details only are left, which will be settled at once, and the program placed in the printer's hands in a few days.

The Bowling

A. F. Vick, of the sports committee, requests that clubs holding trophies will communicate with him at once, stating whether these trophies will be forwarded by express or brought by the teams now holding them. He also is desirous that the captains of all teams will report at once, in order that some idea can be formed as to how many bowlers will attend, and that the prize lists can be made complete without further delay. Address A. F. Vick, care Vick & Hill Co., Rochester, N. Y.

The Grand Central Alleys, where the men's bowling will take place, will be refurnished for the occasion. These alleys are considered to be the equal of any in Rochester, and thoroughly uptodate.

The Convention Souvenir

The matter for the souvenir album being all in, this publication has now gone to press and will undoubtedly be the finest production of the kind ever evolved in Rochester, and reflects great credit on the committee who had the work in charge. H. B. STRINGER.

Rochester Hotels

Hotel Seneca, Clinton ave. South. European plan. Rates: One person, $1.50 to $3.50; two persons, $3 to $5.

Hotel Rochester, Main st. West. European plan. Rates: $1.50 to $3.50.

Powers Hotel, Main st. West. European plan. Rates: $1.50 to $4.

Osburn House, 104 South ave. American plan. Rates: $1.50 to $4.

Hotel Eggleston, 139 Main st. East. For men only. European plan. Rates: $1 to $2.

Whitcomb House, 209 Main st. East. European plan. Rates: $1.50 to $3, with bath; $1 to $2.50, without bath.

These hotels are strictly first class, modern hotels, unsurpassed by any in America for a town the size of Rochester.

St. Louis to Rochester

O. G. Koenig, State vice-president of the S. A. F., has issued a letter announcing the trip to Rochester, the convention city. He has arranged with the Big Four R. R. for the Knickerbocker Special, leaving St. Louis at 1 p.m., on Monday, August 15, in a special Pullman, due to arrive in Rochester on Tuesday morning, August 16 at 9.20. The fare for the round trip will be $23.16 with $4 for sleepers each way. This is called the official route and, no doubt, all these attending will go this way in body; a pleasant trip is assured them.

Pittsburgh to Rochester

At a meeting held by the Pittsburgh Florists and Gardeners' Club, July 5, Messrs. T. P. Langhans and Wm. Loew were appointed to act as a transportation committee and make arrangements for the Pittsburgh delegation desiring to attend the annual convention of the Society of American Florists at Rochester, N. Y., August 16 to 19. The committee has obtained a rate (certificate plan) of $12.23 total round trip fare; this is issued by all railroad companies, good for ten days' stop-over at Buffalo by depositing ticket. The stop-over at Buffalo will afford an opportunity to make a side trip to Niagara Falls for which round trip tickets can be purchased at 50c.

Validation—Certificate to be viséd at Rochester, N. Y., August 17 to 18; return will limit to leave Rochester August 23.

Cost of parlor car seat, day trip $1.25. Cost of Pullman, night trip, $2 per berth.

Please advise the committee if you will attend the convention, by what railroad you wish to travel, what train you prefer, morning, noon or night, and number of tickets you require.

It is desirous that Pittsburgh will be well represented at Rochester, for this is to be the banner convention in the Society's history.

Mail communications to T. P. Langhans, 222 Oliver ave., Pittsburgh, Pa., or William Loew, Diamond st., Pittsburgh, Pa. D.

Amendments to Constitution

Notice is hereby given to all members of the Society of American Florists and Ornamental Horticulturists that the following amendments have been received by the secretary and will be presented at the annual meeting to be held in Rochester, August 16-19, 1910:

Article V. Section 1 to be amended to read as follows:

"Section 1. Meetings. The first annual meeting of the Society shall be held at Buffalo, New York, on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at such time and place as may be fixed by ballot at the morning session of the second day of each annual meeting, and shall continue for at least three days."

This provides for the selection, each year, of the time as well as the place of meeting.

Article IV. Section 2 to be amended by striking out the figures "$25.00" and inserting in place thereof the figures "$50.00," meaning to increase the life membership from $25.00 to $50.00.

Article II. to be amended as follows:

Section 2 (a). Strike out and substitute the following:

"The president, first vice-president and two directors shall be elected by ballot at the annual meeting of the Society; and their term of office shall begin with the first day of January next succeeding the election; and the terms of the president and vice-president shall continue for one year or until their successors are duly elected and qualified; and the directors shall serve for three years from the first day of January following their election."

Section 2 (b). Strike out the words "two directors to serve for a term of three years. He shall also appoint at the same time."

Section 2 (c). Insert the words "and directors" after the word "officers" and before the word "shall."

Section 2 (d). Add the words "and directorships" after the word "offices" in the first line.

Section 2 (g). Add the words "or directorships" after the word "offices" in the rst line.

Section 3 (a). Strike out the words "two directors to serve for a term of three years" after the word "appoint" and before the words "one botanist."

Section 3 (e). Add the following, "And they shall also at their annual meeting in January appoint a Secretary and Treasurer of the Society for the ensuing year, whose term of office shall commence at such time as shall be then designated and continue until their successors are appointed."

The above amendments to Article II were presented at the 25th annual meeting. In case these pass, the following amendments will be presented:

Article II., Section 3 (d). Add to the end of the same, "He shall attend all meetings of the executive board and shall be paid mileage, as is allowed members of the board."

Article III. Strike out the word "secretary" (page 13, 2nd line) and the word "treasurer" (page 13, 3rd line). Strike out the words "a regular" (page 13, 5th line) and insert in place thereof "an annual." Strike out the word "mid-Lent" (6th and 7th lines) and insert in place thereof the words "January 15th." Insert after the word "audited" and before the word "appropriations" the words "appointments of a secretary and a treasurer shall be made." Strike out the word "seven" (page 14, 9th line) and insert in place thereof the word "six."

These amendments to Article III are merely changes made necessary by the above amendments to Articles II and III.

Urbana, Ill., July 25, 1910. H. B. DORNER, Sec.

Obituary

George H. Shepherd

George H. Shepherd, widely known throughout Missouri as an authority on agriculture and horticulture, died July 21 at his home near Lamonte, where he had been engaged in the nursery business for fifty years. During the Civil War he was a Union soldier.

J. H. Reynolds

J. H. Reynolds, oldest nurseryman in the State of Michigan, and pioneer of Monroe, died July 21, in that town, at the age of 91 years. He was born in Bobina, N. Y., and came to Michigan in 1840. He survived a shipwreck while crossing Lake Erie, landing in the county where he had resided since. Two daughters survive him.

Jewett J. Packer

Jewett J. Packer of Caro, Mich., died at his home in that city, July 9, at the age of 69, after an illness of several months of dilated heart. Born in Corfu, N. Y., he located in Caro 46 years ago and established a fine business as a florist and became known to almost everyone in the community. Mr. Packer is survived by his wife and one son, Adelbert.



The Late Isaac C. Wood

Henry James Bowden

Henry James Bowden, a well-known nurseryman of Rochester, N. Y., died at his home, No. 32½ Meigs st., in that city, on July 23, after an illness of four weeks. He leaves a wife, one brother and four sisters. Mr. Bowden was born in Bedford, England, in 1848, his father, James Bowden, being an instructor in Modern School, where his brother now teaches, and came to this country to visit friends in 1871. After a short stay here he decided to remain, and entered into the nursery business with Chase Brothers, with whom he remained ten years before deciding to start a business of his own. He secured as a partner D. H. Patty, of Geneva, and the two men conducted a nursery business up to the present time. He was a member of Christ Church and was connected with several clubs. His business associates knew him as a man whose fair dealing was not to be questioned and a person whose judgment was always to be relied upon. His success in business can be traced to his unswerving honesty and industry.

Isaac C. Wood

Founder of the business now carried on by Wood Bros., Fishkill, N. Y., died at Ontario, Cal., July 7, after an operation from which he failed to rally.

He was born in Fishkill, N. Y., March 21, 1840. When a young man he entered the employ of Daniel Brinkerhoff, who carried on a nursery and florist business near Fishkill Landing; here he continued until 1866, when he entered into partnership with John S. Burrow, under the firm name of Burrow & Wood, and established the present business.

In the year 1873, Joseph J. Wood (father of the men now comprising the present firm of Wood Bros.) bought an interest in the business, and the firm name became Burrow, Wood & Co. In the year 1876 Mr. Burrow's interest was bought out, after which the firm name was known as I. C. Wood & Bro. until July 1, 1889, when the present firm of Wood Bros., bought the entire interest and good will.

In January, 1890, Mr. Wood removed to Ontario, Cal., in search of a better climate for his declining health. He bought an Orange and Lemon grove and was one of the pioneers in working out the problems that confronted the Orange growers.

He was for many years an active worker in the cause of prohibition and gave much time and money toward it. In California he was known as a crack roque player, for which he at one time held the State championship.

He leaves a widow in California and one brother, John J. Wood, at Fishkill. He visited his native place several times, making long extended trips each time.

Private funeral services were held Saturday morning at the Draper funeral parlors, the Rev. Jno. C. King, of the First Methodist Episcopal Church, officiating. The remains were shipped to Pasadena for cremation.

Our S. A. F. Rochester Convention Number will be issued on SATURDAY, AUGUST 13, 1910

READERS of The Florists' Exchange, likewise the advertisers in its columns, are well acquainted with the useful, valuable and highly interesting issues which we produce at Convention times.

Our Rochester Number will be on the same lines of generous illustration and requisite information, and will be prized as a souvenir long after the Convention itself has passed into history.

Intending exhibitors at Rochester, as well as the many business men who will not be represented there in the Trade display, will surely find a liberal advertisement in our issue of August 13 a splendid paying investment.

Your patronage is respectfully solicited.

Copy for this Convention Number will be received up to Tuesday evening, August 9

ROCK BOTTOM ADVERTISING RATES

One Dollar an inch

10% off for four issues; 25% off on annual contract or on agreement to use 100 inches within one year. Full Page, $35.00; Half Page, $18.00; Quarter Page, $10.00. Special Position: One dollar an inch, every issue.

Strawberry Forcing

I noticed in the issue of The Florists' Exchange of July 23, on page 126, a statement which is worthy of more than a passing comment. This correspondent says in speaking of forcing Strawberries, that "it is admitted the finest Strawberry growers are to be found in England, and their methods would scare the orthodox teaching into fits."

In referring to this first paragraph I do not wish to be misunderstood; nor is it my intention to belittle the skill of the English gardeners; their influence is known far and wide, at the same time there is no denying the fact that during the past 25 to 30 years some of Great Britain's best talent have left the mother country to adopt homes in foreign lands, and the United States has quite a number of them scattered throughout its broad expanse of country.

Combined with American born talent I think I am safe in stating they wouldn't scare for a cent.

Yes, a good crop of berries may be had by leaving on the runners, but I predict the same plants would produce a better crop by removing them; then why allow them to stay on? True, anyone can secure stock, but where one man would advocate increasing stock from forced plants one hundred would prefer taking runners from the natural open air grown plants. Naturally, each and every grower is entitled to his own opinion.

Reference to Strawberry forcing, generally speaking, means having ripe fruit two and three months in advance of its natural ripening, the securing of ripe berries from the end of February on.

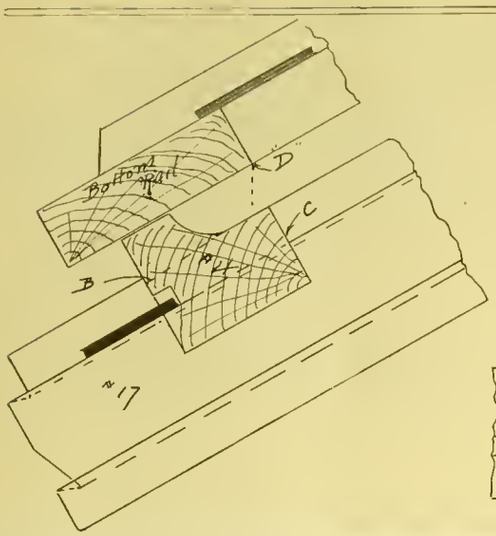
Then I say that for early forcing the orthodox method is good enough for me, and to this many will echo amen. I am well aware there would be no difficulty in producing Strawberries on the floor level at that date; abundance of air can be admitted which will counteract that serious trouble—damping.

However, in giving instructions for Strawberry forcing it is for that work in every sense of the word. To produce ripe fruit through May and June requires but little skill, and, here with us what would be the use? At that time the berries would be coming into the large cities by the ton from the open fields.

Having been a forcer of Strawberries here in the United States for at least twenty years, also having had the pleasure of seeing the product of many others, I can say without fear of contradiction that England has to go some to supersede us in the matter of forcing Strawberries. No particular thanks to us; we have that clear atmosphere with abundance of sunlight so essential for development of this crop, and certainly there cannot be any better growing houses than we have at command.

My sole motive in answering the article above referred to is to warn those thinking of following along the lines indicated for early forcing that they would have many failures with a limited amount of success.

W. T.



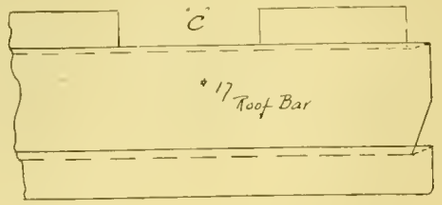
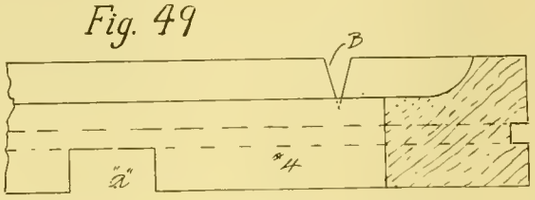


Fig. 49



Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Fig 49 shows in detail the bottom rail of sash resting on vent header 4, which is so located that, as the water of condensation from the under side of the glass drips from the bottom rail at D, it is caught by the header and then flows out on top of roof glass through the V shaped notch marked B cut at intervals in header. The tongue of the roof bar is gained out at C to receive the header, and the header is also gained out at A to fit over the body of roof bar 17; the general construction of the roof sash will be considered later.

Fig. 50 shows the elevation of gable for this house the sill 12 being carried around at same height as sill at side. The end bars 18 are shown spaced for 24" wide glass, with the exception of the glass immediately above the door, where 16" wide glass cut down should be used. Immediately below the ridge there should be placed a small V shaped piece, O, rabbeted on the bottom edge to receive the glass; this makes a proper finish for the glass which would be difficult otherwise. At 31 is shown the gable purlin extending from end roof bar 19 to door jamb 26; this purlin should be gained out to fit over the back of the end bars 18, and should always be used where the end bars are over 5' long.

The gable is furnished with a sash door 2' 8" x 6' 8", made from 2" material, the upper panels being of glass; construction details of which will be given later. On each side of the door are placed door jambs 26, made from 2 x 4" material, which extend into the ground about 3'.

Fig. 51 shows the details of the various portions of the gable as indicated by the section lines on elevation. Horizontal section AB shows the detail of the construction below the glazing sill. The tongued and grooved ceiling G, next the door jamb, is secured to nailing strip B, which is made from 1½ x 2" material, and is securely nailed to the jamb, this piece extending from the under side of glazing sill to grade. The corner of the house is furnished with corner boards 44, made from 1¼ x 2½" material, which are securely nailed to the tongued and grooved ceiling G with asphalt paper between; the Novelty siding No. 25, on both the side and gable of the house, finishes against these corner boards. Where the siding comes against the door jamb the joint is covered by the molding strip M, which extends from the under side of the glazing sill to the top of the door sill.

Horizontal section CD shows the detail of construction above the glazing sill, showing the corner boards 24, nailed to post A. The glazing rabbet in these corner boards being in line with the rabbet in the end bar 18, so as to receive the glass in gable, it will be seen that where the glass comes next the door jamb provision is made by cutting down one of the 18 end bars which should be firmly nailed to door jamb 26.

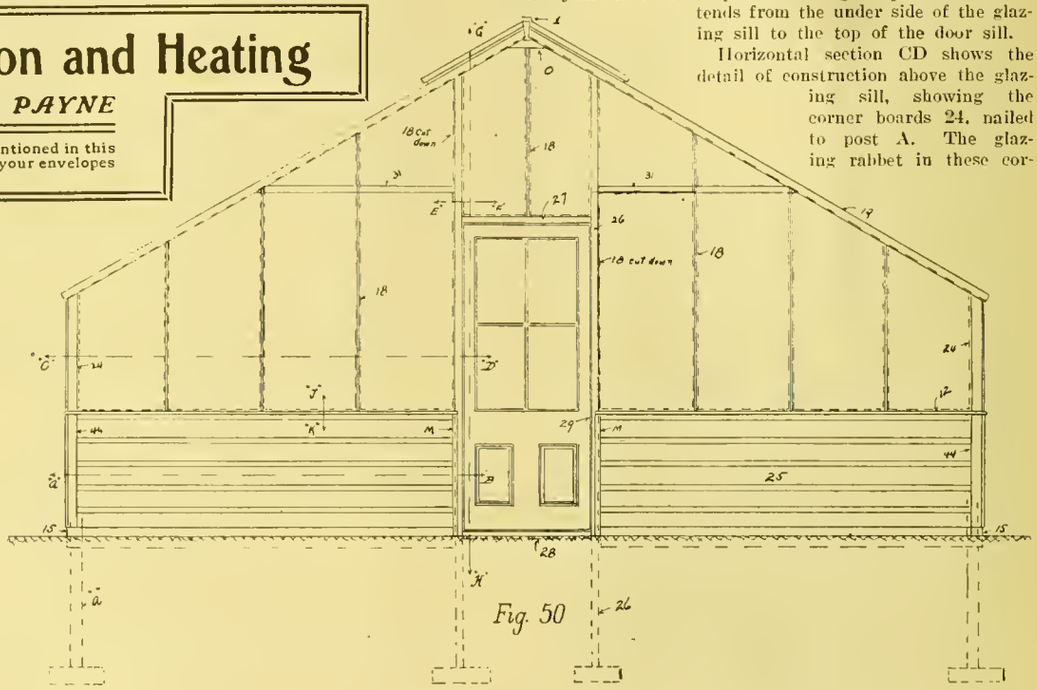
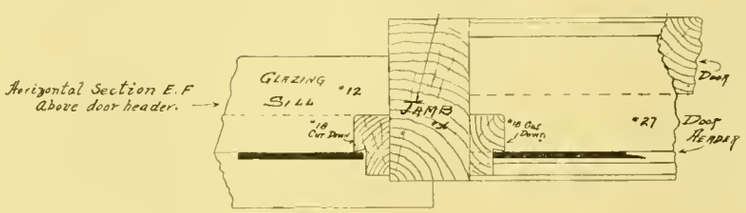


Fig. 50

Horizontal section EF shows the construction of the gable above the door header, and the provision made for securing glass above same to the door jamb, which is as before described, by cutting down one of the 18 end bars, and nailing same to jamb; it is important, where pieces of wood are being nailed permanently together, to see that they are well coated with white lead before being so secured.



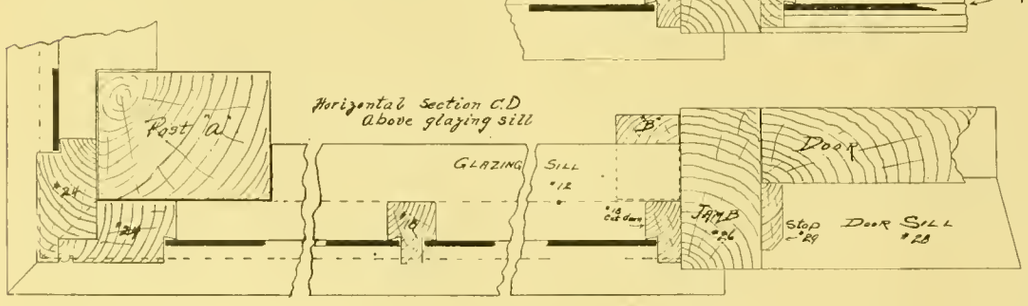
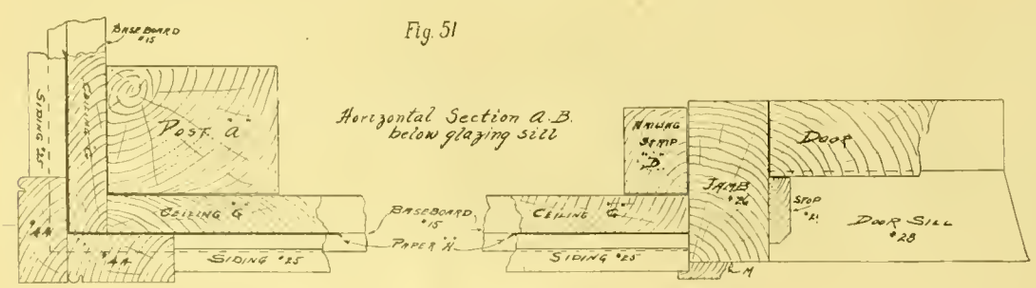


Fig. 51



St. Louis Horticultural Society's Fall Show

In addition to the regular lists of premiums offered for the Fall Show of the St. Louis Horticultural Society, which will be held in the Coliseum, St. Louis, November 8-12, the following special prizes are offered: Best display of Roses, $500; best display of Chrysanthemums, $500; best display of Carnations, $500.

This addition of $1500 in prizes is made possible through the citizens' committee, which, under the leadership of Capt. Robt. McCulloch, is co-operating with the Horticultural Society, and will give St. Louis one of the greatest flower shows ever held. All growers throughout the center States and the East are urged to stimulate the offering of prizes in such liberal quantity by prompt and liberal entry in the above classes. Prospective exhibitors will please apply for spaces required, and further particulars, to OTTO G. KOENIG, Sec. 6473 Florissant ave., St. Louis.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expresaed or implied by this paper as to the satiafactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Winn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank E. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; pereonal attention given. Usual discounts allowed.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Philadelphia	July 30	10.00 am.	W. 16th St., N.Y.	Southampton
Koenig Albert	" 30	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 30	11.00 am.	W. 18th St., N. Y.	Antwerp
Arabic	" 30	12.00 m.	W. 21st St., N. Y.	Liverpool
Duca di Genova	" 30	12 00 m.	W. 34th St., N. Y.	Naples-Genoa
K. Aug. Victoria	" 30	12.00 m.	1st St., Hoboken	Hamburg
Caledonia	" 30	1 00 pm.	W. 24th St, N. Y.	Glasgow
Noordam	Aug 2	10 00 am.	5th St., Hoboken	Rotterdam
Ka. Wilhelm II.	" 2	10 00 am.	3rd St., Hoboken	Bremen
Caronia	" 3	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 3	3.00 pm.	W. 21st St., N.Y.	Southampton
Pr.F'd'kWilhelm	" 4	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 4	10.00 am.	W. 15th St., N.Y.	Havre
Ultonia	"	12.00 m.	W. 14th St., N.Y.	Napls-Trieste Fiume
Taormina	" 4	12.00 m.	Gr'nd St. Jer. Cy	Naples-Genoa
Hellig Olav	" 4	2.00 pm.	17th St. Hoboken	Copenhagen
Uranium	" 4		Pier 38, Bklyn	Rotterdam
Atbinai	" 4		—Brooklyn	Nap-Pir-Smy
Manuel Calvo	" 5		Pier 8, E. River	Cadiz-Barcel'a Genoa-Naples
California	" 6	10.00 am.	W. 24th St., N.Y.	Glasgow
Minnewaska	" 6	10.00 am.	W. 16th St., N. Y.	London
St. Louis	" 6	10.00 am.	W. 23rd St., N. Y.	Southampton
Vaderland	" 6	11.00 am.	W. 18th St., N.Y.	Antwerp
Russia	" 6	2.00 pm.	Bush Dks. Bklyn	Lisbau-Rot'am
San Giorgio	" 6	2.00 pm.	Pier 22, Bklyn	Napls-Palrmo
K'r W. d. Gr'sse	" 9	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 9	10.00 am.	5th St., Hoboken	Rotterdam
Oceana	" 9	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Mauretania	" 10	9.00 am.	W. 14th St., N. Y.	Liverpool
Pres. Lincoln	" 10	10.00 am.	1st St., Hoboken	Hamburg
Oceanic	" 10	3.00 pm.	W. 21st St., N.Y.	Southampton
Luisiana	" 11	12.00 m.	Bush Dks, Bklyn	Naples-Genoa
Barbarossa	" 11	10.00 am.	3rd St., Hoboken	Bremen
La Bretagne	" 11	10.00 am.	W. 15th St., N.Y.	Havre
Venezia	" 11		Pier 33, Bklyn	Naples
New York	" 13	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 13	11.00 am.	3rd St., Hoboken	Gib-Nap-Genn
Lapland	" 13	11.00 am.	W. 18th St., N.Y.	Antwerp
Celtic	" 13	12.00 m.	W. 21st St., N.Y.	Liverpool
Minneapolis	" 13	11.00 am.	W. 16th St., N.Y.	London
Furnessia	" 13	12.00 m.	W. 24th St., N.Y.	Glasgow
Amerika	" 13	12.00 m.	1st St., Hoboken	Hamburg
From Boston				
Ivernia	Aug. 2	6.00 pm.	B&A Dks, E. Bos	Liverpool
Georgian	" 3		B&A Dks. E. Bos.	Liverpool
Parisian	" 5	10.00 am.	MysticWhf, Char	Glasgow
Romanic	" 6	11.00 am.	B& M Dks, Char.	Azores-Gib Napls-Gen
Cymric	" 9	12.00 m.	B & M Dks. Char	Liverpool
Philadelphia				
Taormina	Aug. 3		80 So. Wharves	Naples-Genoa
Samland	" 5	10.00 am.	55 So. Wharves	Antwerp
Merion	" 6	10.00 am.	53 So. Wharves	Liverpool
Friesland	" 13	10 00 am.	53 So. Wharves	Liverpool
San Francisco				
Mongolia	Aug. 9	1.00 pm.	1st Street	Honolulu
Tenyo Maru	" 16	1.00 pm.	1st Street	Japan
Korea	" 23	1.00 pm.	1st Street	China

Some day, not far off either, all Retail florists will appreciate the advantages of this Department. But why wait? Break the ice now, with this Summer of 1910, and write us freely. Correspondence solicited. Good photos wanted.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 164



Floral Ship "Defender"

Designed by Geo. C. Shaffer, Washington, D. C.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Gardener, florist, grower of general greenhouse stock; married, no family. References. Address, Joseph Nugent, 37 E. 19th St., N. Y. City.

SITUATION WANTED—As Landscape Gardener or Outside Foreman for a retail nursery or a florist by an American, age 30. Address, Y. H., care The Florists' Exchange.

SITUATION WANTED—By German florist with 20 years' experience in Europe and America; married. Private or commercial place. Address Frank Tauser, Route 2, R. F. D., Annapolis, Md.

SITUATION WANTED—As assistant on place where Carnations, 'Mums, all kinds of pot plants are grown. 18 years' experience in this country. Address, E. S., care John L. Lundsted, Florist, Bloomfield Ave., Passaic, N. J.

SITUATION WANTED—As foreman about September 1st. First-class grower of Carnations, 'Mums, Sweet Peas, Christmas, Easter and bedding stock. 22 years' experience. Address, Z. A., care The Florists' Exchange.

SITUATION WANTED—By landscape gardener with 15 years' experience in construction, grading and planting for foreign and American architects; advertiser is skillful, sober, reliable and recommended. Address, Z. D., care The Florists' Exchange

SITUATION WANTED—By gardener, 25 years' practical experience in greenhouse work, outdoor gardening and general management of gentleman's estate. Five years head gardener in last place; strictly sober; first class references; married, small family. Address "Gardener," 622 West 141st St., New York City.

SITUATION WANTED—As foreman where full charge is given. Long experience on good wholesale and retail places. Good grower of Tea Roses, American Beauties, Carnations, bedding plants, decorative stock, etc. Familiar with steam and hot water heating. No drinker; married. State wages. Address "Hustler," care The Florists' Exchange.

SITUATION WANTED—By young man 24 years old, single, on private estate, to take charge of farm; well versed in Horticulture, Agriculture and the care of live stock. Can give good reference. Would like interview. Vicinity of New York preferred. Address Z. B., care The Florists' Exchange.

HELP WANTED

WANTED—Young man as helper. Married man preferred. Address Levant Cole, 89 Wendall st., Battle Creek, Mich.

WANTED—A man for general greenhouse work, Roses, Carnations, etc. Wages $12.00 per week. Apply to Chas. L. Stanley, Plainfield, N. J.

WANTED—A No. 1 Rose Grower, single; good salary paid. Apply by letter only, sending references, B., c/n Knight & Struck, 1 Madison Ave., New York City.

WANTED—An experienced man on Palms, Ferns and Easter plants; must be married and not afraid of work. $12.00 and free rooms. Address Z. E., care The Florists' Exchange.

WANTED AT ONCE—A first-class, practical gardener, single man preferred. Salary about $60.00 per month and promotion for the right man. Address Hort. Dept., Miss. A. & M. College, Agricultural College, Miss.

WANTED—A man with some capital and a good greenhouse man to either take charge on salary or to work on shares. A place of 35,000 feet of glass, growing for a large retail trade, with lots of room for expansion to a man meaning business. Advertiser would like interview. Address, Z F., care The Florists' Exchange.

Continued to next column

HELP WANTED

WANTED—Young man as assistant in greenhouses for private place. Principally for Carnations and Chrysanthemums. Wages $60.00 per month. State age and references. James Wiseman, 6200 Fifth ave., Pittsburg, Pa.

WANTED AT ONCE.
Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of Herbaceous Perennial grounds. State particulars and send references. Address Southworth Bros., Nurseries, Beverly, Mass.

WANTED AT ONCE.
Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—A bright active man of experience capable of designing and decorating, and able to take charge of retail floral department. Must be of gentlemanly address and appearance and a hustler. Such a one will find this an exceptional opportunity. Lawson Piano Store, 2862 Third ave., New York City.

WANTED—Working foreman, married, for greenhouse establishment of 40,000 feet of glass, where Roses, Carnations, 'Mums, Palms, Ferns, bulbous stock, and general flowering and bedding plants are grown. Must be a good grower and producer, also capable of handling help to advantage. Wages $20.00 per week with 6-room house, all improvements. Send copies of references from places where previously employed and state age in first letter. Address "Foreman," care The Florists' Exchange.

GOOD FLORIST WITH $3,000.

Can double his capital in two years, and command a good salary in the meantime. We have a well-established business that is growing very rapidly. We want to enlarge it, and also have an interested florist to take charge of the floral end of it. For full particulars address, Southern,

Care of THE FLORIST'S EXCHANGE
Please mention the Exchange when writing.

Wanted—A Good Beauty Grower

For a private estate, must be able to produce results. Wages $65.00 per month, with advance as soon as you make good. Write with references to

ARTHUR T. BODDINGTON
Seedsman 342 West 14th Street
NEW YORK CITY
Please mention the Exchange when writing.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS
Fine large splendid Rooted Sand Cuttings; 1000 Appleton, 1000 Enguehard, 2000 Eaton, 4000 Bonnaffon, 1000 Jones, $1.25 per 100, $10.00 per 1000. Cash, please. Wm. Becker, Box 48, Farmingdale, L. I.

STOCK FOR SALE—Chrysanthemums: Estelle, Dr. Enguehard, Genne Jones, $2.25 per 100, $20.00 per 1000; 2½-in. pots, strong healthy stock; also Smilax, 2½-in. pots, $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

CHRYSANTHEMUMS.
Golden Glow, Pacific Supreme, Polly Rose, October Frost, Early Snow, Pink and White Ivory, White and Yellow Bonnaffon, Georgiana Pitcher, Golden Baby, etc., R. C., $1.26; 2¼-in., $2.25 per 100. Poehlmann, Gloria, Golden Eagle, Baby Marguerite, etc., R. C., $2.00; 2¼-in., $2.75 per 100. Mrs. Kelley, President Taft, Golden King, R. C., $3.00; 2¼-in., $4.00 per 100.
List of 60 varieties.
Stafford Floral Co., Stafford Springs, Conn.

MISCELLANEOUS

SMILAX, strong 2-in. pot bound, 2 cents, 3-in., 3 cents. Sprengeri, 2¼ and 2½-in., pot bound, 2½ and 3 cents. Stafford Floral Co., Stafford Springs, Conn.

STEVIA—Well rooted, 75c. per 100. Polly Rose and Glory of Pacific Chrysanthemums, at 75 cents. Smilax, 2-in., at $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
200 Gardenias (extra fine), at 16 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

Continued to next column

STOCK FOR SALE

MISCELLANEOUS

CYCLAMEN PERSICUM GIGANTEUM
In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.
J. W. MILLER, Shiremanstown, Pa.

JARDINIERE FERNS—5 best varieties, 2¼-in. pots, fine stock, $3.00 per 100, $25.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

STOCK FOR SALE—Strong Plants, Begonia Liminosa, 2¼-in. Make fine 5-in. stock for Christmas, $4.00 per 100, $35.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

ROSE PLANTS—Fine, clean, healthy stock: Maids and Richmonds, 4 inch, $50.00 per thousand; American Beauty, 3 and 4 inch, $8.00 to $12.00 per hundred. Cash with order. Louis A. Noe, Madison, N. J.

RICHMOND ROSE PLANTS.
FOR SALE OR EXCHANGE—1300 strong, healthy plants, from 3½ in. pots, at 5 cents each. Will exchange for 1500 Bride plants. Stockton & Howe, Princeton, N. J.

PRIMULAS—From 2 in. pots, frame grown, no better strain in existence. Obconica Grandiflora and Fimbriata, Ronsdorfer and Lattmanns, unrivalled hybrids, 14 colors or mixed 2 cents, Obconica Gigantea, 3 colors or mixed, 3 cents. J. L. Schiller, Toledo, Ohio.

PERENNIALS—Strong seedlings: Alyssum Saxatile Compactum; Aquilegia, red, white and yellow; Delphinium Chinensis Mixed; Digitalis, 3 colors; Gysophila Paniculata; Lychnis Chalcedonica; Platicodons Mixed; Pyrethrum Roseum Mixed; Sweet William Mixed; 35 cents per 100. G. Van Velsen, Box 154, Tappan, N. Y.

AMERICAN BEAUTIES—From 4-in. pots, at 8c. each; Rhea Reid, from 4-in. pots, at 6c. each; Verschaffeltii and Golden Bedder Coleus, from 2¼-in. pots, at $1.00 per 100. Mme. Salleroi, from 2¼-in. pots, at $1.00 per 100. Smilax, from 2¼-in. pots, at $1.50 per 100. Extra fine stock. Satisfaction guaranteed.
Brant Bros., Inc., Utica, N. Y.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 600.
Box Trees, all sizes. Ask for special list Cyclamens, finest stock, in separate colors. 2½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

Strong healthy, clean field grown Carnation Plants, ready now for shipment.
500 Winsor,
2000 White Enchantress,
3500 R. P. Enchantress,
4000 L. P. Enchantress,
4500 Beacon.
Write for prices. D. G. Grillbortzer, Alexandria, Virginia.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

CARNATIONS Extra heavy plants. Planted out in field first week in April. 2000 **Enchantress**, Pink, 2000 **Enchantress**, White, 700 **Beacon**, 300 **White Perfection**, $6.00 per 100. I have decided to cut down my space given to Carnations by one half, therefore the surplus stock is in a fine shape. Stewart, The Florist, Morgantown, W. Va.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tausslmense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

Wanted

Daily Shipments of Cut Roses—Beauties, Kaiserins, Brides, Bridesmaids, etc.—also, assortment of outdoor stock. An excellent market for good, clean stock. Top prices and prompt returns.

Greater New York Florists' Ass'n, Inc.
162 Livingston St., BROOKLYN, N. Y.

FOR SALE OR RENT

FOR RENT—Two modern greenhouses, almost new, each 86 x 16 feet, nine miles from New York, five minutes from train and trolley. P. R., 659 Sanford Avenue, Flushing, L. I., N. Y.

FOR SALE—Well established retail florist business, greenhouses, store and dwelling; all in good condition. Good reason for selling. For further particulars address Z. C., care The Florists' Exchange.

FOR SALE—8 room house and basement store; good location for greenhouse. Fifty-five ft. on good avenue; over 300 ft. deep. Apply to Geo. O. Borton, 1342 Park Ave., Bridgeport, Conn.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—The property of a well established florist, opposite the new West Hudson County Park. The same contains six city lots, five greenhouses, dwelling house, barn, two good boilers, all in good condition; a picturesque place, easy distance to New York City, one block from trolley line; five minutes' walk to Erie Depot. The owner is selling on account of old age. Advertiser has been established for past 40 years. Address, J. G. Perry, Schuyler ave., Kearney, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—20 H. P. high pressure upright steam boiler, in AI condition. Cash $35.00. Geo. W. Sutherland, Athol, Mass.

FOR SALE—Rider compression hot air pumping engine, 6 in., good as new; capacity 1000 gallons per hour, price $75.00. Dean Ferris, Peekskill, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—No. 6 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—200 boxes of glass, 16x18 and 16x24; 16,000 feet of 2-in. wrought pipe; three No. 17, two No. 16 Hitchings boilers and 2 sectional boilers. 1000 feet of ventilating apparatus and sash; also all kinds of other material. Complete greenhouses, 300 boxes glass, 10x12 and 10x14; August delivery; everything cheap. Suessermann, 229 Livingston st., or P. O. Box 293, Newark, N. J.

FOR SALE—One Holly hot water Circulator with electric motor attached; guaranteed to be in first-class working order, 150 gallons per minute, is as good as new. Cost $250—will sell for $100. Also one-half h.p. Electric Motor and steel blower for burning coal screenings. f.o.b. cars or steamer. Apply to Carl Beers, Bangor, Me.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—160 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 76 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE—ONE RICHARDSON SECTIONAL HOT WATER BOILER No. 830, capacity 2880 sq. ft., or about 4800 feet of two inch pipe; the boiler only used two seasons; guaranteed. The price $150.00, delivered on cars. JOHN M. HUNTER, Englewood, N. J.

SUNDRIES FOR SALE

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($35.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass, 10x12, at $1.25 each. 20 cents for box extra.

ROBT. A. ELLIOTT, Morristown, N. J.

Please mention the Exchange when writing.

FOR SALE—One 40 horse power horizontal tubular boiler, capacity about 4000 square feet, steam radiation; can be used for hot water up to, say, 6000 square feet. Boiler complete with front, grate-bars, etc.; has been tested to 75 pounds and is in good condition. Price $180.00, delivered f. o. b. cars New York. This is a bargain. R. C. VERNES, 175 Senator Street, Brooklyn, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

ALL NURSERYMEN

SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 7s cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Calliwell Nurseries, - Lowdham, Notts.

European Agents for

THE AMERICAN CARNATION

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 16 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

PRINTING FOR POULTRYMEN

Any standard cut of Fowl used free of charge. Samples 10 cents.

FRED. A. SOTTER

Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(21) **Sorbus Aria.**—I mail a branch of a shrub or small tree of the Sorbus family, I think. Please inform me as to the variety. It is of bushy habit, wood resembles Mountain Ash. Flowers white, in umbels. Fruit about ½ in. long, egg shape, drops from tree before ripe; very few fruit set.—J. H. H., N. Y.

—As near as I can say, without having a tree near by to compare it with, your specimen represents the White Beam Tree, Sorbus Aria, called Pyrus Aria in former days.

JOSEPH MEEHAN.

(22) **Asparagus myriocladus.** — De Witt House, S. C.

—A well-known grower advises us that he used to carry this in stock but it sold out and he did not propagate it for the reason that he did not consider it a good horticultural plant. Our informant further states that the last plants of A. myriocladus he had seen were at the Dreer Nurseries, Riverton, N. J.

(23) **Carnations and Chrysanthemums for the Far South.**—J. J. S., Fla.

—In regard to Carnations and Chrysanthemums for South Florida I will state that we have never been successful in attempts to grow any kind of florist's Carnations. We have to grow the Marguerite and Chabaud Carnations from seed; this is sown in August, September and October, and transplanted and grown on outdoors with splendid results. Owing to the heavy rainfall here in Summer 'Mums have a hard time; the only safe way to grow them outside is to plant on elevated beds or in boxes, etc., where the surplus water drains off rapidly. If planted on the level they usually are scalded after the heavy August or September rains. As to varieties I can give but little information as to which are the best; have grown nearly all types here with fair success only. I have never tried any 'Mums under glass in South Florida.

E. N. REASONER, Oneco, Fla.

(24) **Plants for Identification.**—J. T., N. J.

—No. 11, some species of Funkia, just which cannot be determined from the foliage submitted without flowers. No. 12, Adiantum Croweanum. No. 13, Adiantum cuneatum. No. 14, Polypodium aureum. No. 15, Bougainvillea glabra. To identify the others you should send more generous samples of fruit on flower as well as of leaves.

(25) **White Enchantress Carnation.**—What is the value of 175 good plants of this variety which were destroyed in the field by a horse let out at large at night?—M. G., N. Y.

—The present price quoted in our advertising columns by growers and dealers is $7 per 100 for White Enchantress Carnation plants.

(26) **Crimson Rambler Rose.** — Blooms have a scorched look as soon as they show their color and immediately go by.—J. O., N. Y.

—See to it that your Crimson Rambler Roses are watered very freely at the root just as they come into bud and bloom. Keep the aphis off the young buds by spraying with tobacco sprays. Dust the foliage with sulphur as a remedy for mildew. The above suggestions should all be carried out before the buds show the color of the bloom.

(27) **Vines for Walls and Ledges.**—What kind of fast growing vines would you recommend for covering walls, brick, wood, stone and trellis, where thermometer goes 25 deg. below zero? Also, what would you advise to use for covering out crop of rock in the open as well as under deciduous trees, where there is a fair amount of light and a ray of sunshine once in a while?—M. J., Mass.

—For covering walls of brick, stone or wood use Ampelopsis Veitchii and A. quinquefolia; the former clings more closely and is preferable. For trellises use the different varieties of Lonicera (Honeysuckle), especially L. Japonica Halleana (Hall's Japan) and Chinensis (Chinese variegated); use also Akebia quinata, and Tecoma radicans (Trumpet Creeper). For a hardy herbaceous vine, use Clematis paniculata.

To cover the outcrop of ledge use the Lonicera, adding to those named above Lonicera sempervirens.

(28) **Spray for Elm Tree Beeetle.**—K., N. Y

—Spray with arsenites with Kerosene emulsion. The greater the force with which the remedy is applied and the finer the spray the more effective the application.

(29) **Leaves of Campbell Violets Under Glass Diseased.**—C. B., N. J.

—The plants submitted appear to have "scald or edge-burn." This disease, if neglected, involves the whole leaf, and an attack of fungi often follows, first upon the diseased leaf and then upon the weakened plant. The remedy is a change of condition. The disease may be brought on first by overfeeding, especially with liquid manure, which temporarily checks root growth and prevents the roots carrying sufficient water to the tender edges of the leaf to keep up growth, and enable them to resist the burning sun. Consequently, edge-burn follows. Secondly, it may be caused by the soil becoming too cold, thus checking root growth. Thirdly, it may take place in certain types of heavy soil which holds so much water that all the air spaces in the soil are so filled with water that the roots are suffocated and the plants consequently suffer. In brief, "edge-burn" is caused by a checking of root growth, which prevents the roots from carrying sufficient water to the edges of the leaves.

It is suggested that you obtain a copy of B. T. Galloway's "Commercial Violet Culture."

(30) **Aster Plants Blighting Just at the Blooming Period.**—C. B., N. J.

—The Aster plants submitted for examination are attacked with what is usually called "Aster blight." As the disease has already ruined the plants no remedy would now save them. As your plants growing under glass are free from that disease, it would be advisable for you to grow all of your Asters under glass. Spraying with Bordeaux mixture might act as a preventive.

Northern Indiana Florists' Assoc.

The annual meeting of the Northern Indiana Florists' Association was held at Winona Lake, Ind., on July 20. At this meeting articles of incorporation were adopted and the following officers were elected: President, W. W. Dederick, Warsaw; vice-president, Harry White, N. Manchester; treasurer and secretary, A. J. Wagoner, Columbia City; directors: one year, D. C. Noble, A. J. Wagoner, Columbia City; two years, Geo. Pastor, Huntington; J. H. Shelton, Rochester; three years, J. S. Stewart, Anderson; N. S. Kircher, Rochester.

Five persons applied for membership and were duly elected, giving us a wide range of membership in the northern part of the State. A banquet was served at the Otterbein Hotel which was greatly enjoyed by all present. After the yearly business was completed, several discussions, in which all took part, were enjoyed and disclosed the most interesting part of the meeting. A committee consisting of A. J. Wagoner and W. W. Dederick was appointed to prepare a program for the next meeting, which will be held at South Bend, Ind., on the third Wednesday in October. Let all who are interested in the work be present.

A. J. WAGONER, Secy'.

The Sugar Maple Tree Borer

I have around my residence about a dozen Sugar Maple shade trees, planted last year. A worm or bug works under the bark, and bores into the body of the tree. The inner part of the bark is apparently eaten out, and the space filled with what looks like fine sawdust. Also, the worm or bug bores right into the solid trunk, say, one-half to one inch. The bark comes off in large patches where the worm or bug has been working. Some of the trees are dying. Could you suggest a remedy?

E. F., Penna.

—The Sugar Maple tree borer is too well known to nurserymen, often causing them to throw many of the trees away, burning them, the trees being bored beyond the point of their being useful for selling. This borer lays its eggs in the bark of the trees, the grubs, as soon as hatched, working their way into the hearts of the trees, their work showing by the sawdust-like substances seen at the mouths of the holes. If seen to before they get in too far, a piece of wire run in after them will destroy a good many, the wire aided by a sharp pointed knife. Cleaning out the holes and washing them with carbolic acid soap wash, or a similar one, which can be had from leading agricultural stores, is recommended. It is hard to prevent borers getting a lodgment in the trees, but as the eggs are laid in or under the bark a washing of the trunks in early Spring with the soap wash referred to, or similar mixtures, which stores sell for the purpose, would both prevent the laying of eggs and destroy any that might be there. JOS. MEEHAN.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

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White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

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NOTICE. Dr. Franceschi of Santa Barbara, California, who, since 1893, has introduced, tested and distributed more foreign plants than any other private individual or any commercial firm in the United States, having withdrawn entirely from the Southern California Acclimatizing Association, will continue his scientific work of introducing and experimenting upon useful or ornamental plants at his residence of Montarioso, City of Santa Barbara, California. The Montarioso Nursery, of which Miss E. F. Franceschi is Proprietor, and Cammillo F. Franceschi is Manager, will be the Sole Distributor of Dr. Franceschi's new introductions. Price list and information free. P. O. Box 1500. Santa Barbara, California.

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New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



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GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale.
GREEN MOSS, $1.25 per barrel.
Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.
SMILAX, 50 lb. cases, $6.00.
PINE, 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000
Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.
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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
All Decorating Material in Season.

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00
For full particulars address
JOHN G. ESLER, Saddle River, N. J.

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E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
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James Furtunes & Bro.
70 Liberty Street,
Brooklyn, N. Y.
Large Stock of Galax on Hand
at $7.50 per case, F. O. B.

Please mention the Exchange when writing.

Rochester, N. Y.

Conditions of trade here are much improved. Brisk business has been the rule for the past week, and a shortage of stock is noticeable. Carnations are practically over, Roses scarce, and no Asters are coming in to fill up the supply. Such conditions keep stock pretty well cleaned up. Sweet Peas have been scarce also, but are coming in again more plentifully and the prospects look bright for a fair business for a time at least, till Asters commence to come in quantity. Prices for the week were as follows: Carnations $1; Asters, poor quality and short supply $1; Roses $3 to $5; Valley, special, $4; American Beauty Roses, $5 to $25; usual prices for green stock; Sweet Peas, $2 per 1000.

The first Asters of the season were brought in by Ferdinand Teute about July 4. Mr. Teute is a keen lover of the Aster and does a good deal of hybridizing in a small way.

The new concrete cooler installed by George B. Hart has proved a great success, Roses, etc., keeping in fine shape for a much longer period than formerly, some Perle, a very poor keeper, having kept in good salable condition for a week, a thing unheard of in Rochester.

F. W. Vick, of the Vick & Hill Co. reports that their Asters in the field never looked better than this season, and the yield of seed promises to be very large.

Convention Locals

Chas. H. Vick, superintendent of the trade exhibition, is more than pleased with the way matters are going, and is convinced that the Rochester exhibition will surpass anything ever held to date. Mr. Vick has appointed Walter Salmon as his assistant, who will undoubtedly prove himself of great value in directing the getting together of the exhibits.

W. H. Dildine, chairman of the badge committee, is busy getting a suitable design for a button to be worn in addition to the badge of the S. A. F. and O. H. The one chosen will carry a reproduction of the Rochester Aster, with suitable lettering, which will make a very attractive souvenir. H. B. STRINGER.

Chas. Lee is enjoying a long deferred trip to England, visiting his mother and other relatives. He will return about August 5.

The Purcell & Cragg Co. is putting concrete walls around the solid Rose beds in two of its greenhouses, and as fast as practicable the remaining benches will be finished in the same manner. Mrs. Purcell and child are now in England and will return about September 15.

The new 20-acre farm recently acquired by the Vick & Hill Co. is now planted to Asters for seed and it is to be hoped that when the S. A. F. members visit the firm's establishment the plants will be in good shape. The recent rains have been of great benefit to the plants. This week the firm finished its order for 25,000 Scottii Ferns, the shipping of which entailed a large amount of labor.

Etienne Berry, one of Rochester's prominent private gardeners had fine success this year with a house of Melons, variety Earl's Favorite, the fruit of which was shipped to his employer in New York City. The greenhouses of R. A. Sibley, for whom Mr. Berry is gardener, have been painted inside and out, and new benches made where the old have rotted away. Preparations are under way at this place for the coming Fall show.

J. B. Keller's Sons intend to demolish two small houses, and build a new house to take their place. This firm is having fine success with Poinsettia cuttings; about 4000 plants in bloom are necessary for the firm's annual Christmas trade.

J. M. Keller and A. H. Salter were recently appointed to act as judges of the Gladioli exhibit at the S. A. F. convention.

Jas. Vick's Sons have made preparations for the handling of a big crowd of visitors at their seed farm in Greece, and it is confidently expected that many

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Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15.00 or more
Climax Manufacturing Co.
CASTORLAND, N. Y.

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The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
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WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
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Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
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Dealers in Fancy Ferns
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New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

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MANUFACTURERS
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Galvanized Wire Rose Stakes and Tying Wire
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Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CRAIG'S SPECIALTIES | Order Now

We call special attention to our large stock of Ferns, in all the leading varieties, Begonia Lorraine, Cyclamen, Crotons, Ficus Pandurata, etc., etc., all of which is the very **highest quality.**

Cyclamen

We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality and much heavier than is generally offered in the following sized pots. It will make excellent plants for Christmas sales.
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
4-in. pots, very strong.....$25.00 per 100; $225.00 per 1000
5-in. pots, very strong.....$50.00 per 100; $450.00 per 1000

Crotons

Our stock is exceptionally well colored. We are now booking orders for immediate and future delivery.
4-in., highly colored.....$25.00 per 100
5-in., highly colored.....$50.00 and $75.00 per 100
6-in., highly colored.....$9.00, $12.00 and $16.00 per doz.
Larger plants, well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50, $4.00, $5.00 and $6.00 each.

Nephrolepis Elegantissima Compacta—New

We cannot speak too well of this variety. We believe it to be one of the very best of the Nephrolepis family.
2¼-in. pots.....$10.00 per 100; $90.00 per 1000
4-in. pots.....$25.00 per 100
6-in. pots.....$75.00 per 100

Nephrolepis Scottii

2¼-in. pots.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$15.00 per 100
6-in. pots, ready August 10.....$50.00 per 100
10-in. tubs.....$24.00 per doz.

Nephrolepis Todeaoides

The London Fern
2¼-in. pots, strong plants.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$60.00 per 100

Nephrolepis Scholzeli, Crested Scottii

2¼-in. pots.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$25.00 per 100; $225.00 per 1000
6-in. pots, very heavy.....$6.00 and $9.00 per doz.

Ficus Pandurata

The best house plant to date
6-in. pots to 11-in. tubs, $2.00, $2.50, $3.00, $4.00, $5.00, $6.00, $7.50 each
Branch Plants.....$2.50, $3.00, $4.00, $5.00, $6.00 each
The above stock is exceptionally fine.

Pandanus Veitchii

4-in. pots.....$6.00 per doz.; $45.00 per 100
6-in. pots.....$12.00 per doz.; $90.00 per 100

Gardenia Veitchii

2¼-in. pots, strong.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$50.00 per 100
7-in. pots.....$9.00 per doz.; $70.00 per 100

Areca Lutescens

Beautiful stock; 3 plants in pots
6-in. stock, 24 to 26 inches tall $12.00 per doz.; $90.00 per 100
7-in. stock, very heavy, 30 to 32 inches tall....$24.00 per doz.
7-in. stock, very heavy, 32 to 36 inches tall....$30.00 per doz.

Dracaena Massangeana

Beautifully colored
6-in pots.....$18.00 per doz.
7-in. pots.....$24.00 per doz.
8-in. pots.....$36.00 per doz.
10-in pots.....$48.00 per doz.

Phoenix Roebelenii

Well characterized
6-in. pots.....$24.00 per doz.

Bridesmaid, Grafted

4-in. pots.....$16.00 per 100

ROBERT CRAIG COMPANY, 4900 Market Street, Philadelphia

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ORCHIDS—ORCHIDS

FRESH ARRIVALS EVERY WEEK

CATTLEYAS: Trianæ, Schrœderæ, Mendelii, Gigas, Hardyana type, Gigas Sanderiana, Percivaliana, Speciosissima, Bowringiana and Aurea.
DENDROBIUMS: Thrysiflorum, Cambridgeanum, Crassenode.
RENANTHERA Imschootiana. MILTONIAS Vexillaria and Roezlii.
CYPRIPEDIUMS Bellatulum and Charlsworthii.

COELOGYNE Cristata, 400 bulbs, strong plants, $10.00 each.
ALL READY TO POT.

G. L. FREEMAN CO., Fall River, Mass.

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ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.
52 West 28th St., New York City and Madison, New Jersey

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ORCHIDS

Just arrived in fine condition.
Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, all sold; new stock ready by September 1.
Only 5000 KENTIA Belmoreana in 2¼-in. pots left.
Also a large stock of BOSTON FERNS, from bench, for 5, 6, 7 in. pots, ready September 1.
Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE, JERSEY CITY, N. J.

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ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL
SUMMIT, N. J.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadway, Room 721, New York City

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FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

florists will take the opportunity to visit this and other large Aster farms, as in no other section in the United States can these popular flowers be grown so well as in the vicinity of Rochester.

Geo. Bennett is busying himself these days building dwelling houses on his 10-acre tract on the Charlotte Boulevard. Mrs. Bennett and daughter are in England, and expect to return about Sept. 1.

John Dunbar, Rochester's able assistant superintendent of parks, is now away from the city on a well-earned two weeks' vacation.

Clifford & Son are busy putting fresh soil in their greenhouse benches, a task which is not one looked for on a hot day. Carnation plants in the field at their place look very promising and show the result of care taken from propagating time until now.

From present appearances the honor of being the first in the local market with Glory of Pacific Mums will again go to the Geo. Crooke Co. Their plants are in charge of John Suhr, who has learned many wrinkles in the business while at his father's establishment.

A. H. S.

Detroit

The, by most all retailers, dreaded Summer dullness is fully upon us, and the few flowers on the market now show the results of extremely dry, hot weather.

Gladioli are selling well, providing they are of good color. The Rose situation is much brighter since Robt. Klagge in Mt. Clemens began shipping some Kaiserin. As usual, there is a large supply of really short Roses coming from newly planted stock. Of course, there is no market for them, unless for funeral work, and that is very scarce at present.

Of Asters, which usually glut the market at this time of the year, there are practically none, and those we do get are extremely poor. As predicted in these columns, the hot, dry weather has ruined the early Asters completely. Growers like Pautke or Damerow estimate their actual loss in Asters, for seed and labor alone, at from $400 to $600.

Store cleaning and rebuilding is now in full swing. Breitmeyer's are having their store cleaned and retouched; two new houses are almost completed at their Mack ave. place, and four more will be remodeled before next Fall.

The Michigan Cut Flower Exchange, although very busy distributing a fine lot of Ferns, is giving its place a thorough cleaning up.

Robt. Watson is rebuilding his whole range of houses and adding to his office.

FRANK DANZER.

POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.
WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine KENTIAS

Send for Price List

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PALMS, FERNS and Decorative Plants

JOHN SCOTT

Rutland Rd. & E. 45th St., BROOKLYN, N.Y.

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Stevias

STEVIA, Green and Variegated, out of 2½-in. pots, at $20.00 per 1000.

CHARLES ZIMMER
West Collingswood, N. J.

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FERNS
MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.
Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 5-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS and CROTONS

WILL BE OUR SPECIALTIES THIS FALL

We will have a fine lot to offer by August 15th

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

WHITMANI FERNS

2½-in., $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.

Nephrolepis Magnifica, 2½-in., $15.00 per 100.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. Bride, Bridesmaid, Carnot, Golden Gate and Kaiserin, $6.00 per 100.

GRAFTED, Fine Stock

White Killarney, 3½-in. pots, $20.00 per 100. Pink Killarney, 3-in. pots, $18.00 per 100. Bride, Bridesmaid, Golden Gate, Kaiserin, Carnot from 3½-in. pots, $17.00 per 100.

Enchanter, Mrs. Jardin, Rhea Reid, Wootton, from 3-in. pots, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2¼ and 2½ in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, Yellow Eaton, $4.00 per 100; $35.00 per 1000.

Autumn Glory, Ada Spaulding, Collingtordii, Dorothy Deveus, Geo. Kalb, Harry May, J. H. Troy, Moneymaker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. B. McArthur, The Harriott, Timothy Eaton, Wm. Duckham, Mrs. James Marshall, H. W. Reiman, fine stock, $3.00 per 100; $25.00 per 1000. Also an Assortment of other good Commercial Varieties, at $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS

ASPARAGUS

	Per 100
Plumosus nanus, from 3-in. pots	$6.00
Plumosus nanus, from 2¼-in. pots	4.00
Sprengeri, from 2¼-in. pots	4.00

STEVIA COMPACTA

From 2¼-in. pots 3.00

POINSETTIAS

	Per 100
Fine stock, from 3-in. pots	$8.00
Fine stock, from 2½-in. pots	5.00

VIOLETS

Marie Louise, from 2¼-in. pots $25.00 per 1000	3.00
Prince of Wales, from 2½-in. pots.	4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

20,000 CHRYSANTHEMUM STOCK

PRICES:—In lots of 1000, $20.00 per 1000; in lots of 2000, at rate of $17.50 per 1000. This stock has been propegated for late planting and is not drawn and hard.

2¼-INCH POTS

PINK	Per 100
Glory of Pacific	$2.60
Pink Ivory	2.60
Pacific Supreme	3.00

YELLOW	
Col. Appleton	2.50
Monrovia	3.00
October Sunshine	2.50

WHITE	Per 100
Alice Byron	$2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

Field-Grown Carnation Plants

	Per 100
Enchantress	$6.00
M. A. Patten	5.00
Harry Fenn	$5.00
Winsor	5.00
Victory (2-in. size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Chrysanthemums and Aster Seeds

Elmer D. Smith & Co.
ADRIAN, MICH.

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FERNS

BOSTON, SCOTTII and WHITMANI

September delivery. Get our prices.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS Rooted Cuttings

SURPLUS STOCK

White: 1000 each of A. Byron and Desjouis.
Pink: 500 each of Glory of the Pacific and Rosette.
Yellow: 200 Golden Eagle.

WILLIAM SWAYNE, Kennett Square, Pa.
P. O. Box 215

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATION PLANTS

Field Grown.

Fair Maid, Winsor, Sensation, Queen Louise, first-class plants, ready any time, $5.00 per 100, $40.00 per 1000.

Cash with order, please.

E. L. RILEY, R. F. D. No. 2, **TRENTON, N. J.**

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CHICAGO CARNATION CO.

JOLIET, ILL.

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Field-Grown Carnations

FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Apple Blossom	6.00	50.00
White Perfection	7.00	60.00
Snow Flake	$6.00	$50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	50.00
Ruby	6.00	50.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock, ready for shipment at an early date. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.

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SCOTTII and WHITMANI FERNS

6-in., 40c. and 50c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Worcester, Mass.

The July trade has been unusually large this year and Worcester florists report an exceptional Mid-summer business. Design work for the funerals of the several prominent business men who died during the month has made a decided increase in the volume of trade. On Tuesday a hundred floral pieces were made up and sent to the funeral services of George F. Hewett, one of Worcester's most respected business men.

The drought still retards the outside plants and has affected vegetables badly. In the country Corn has been greatly damaged and the seedsmen receive daily reports of burned up vegetable plants.

The H. F. A. Lange Co. is making a number of improvements in its greenhouses. The wooden sides have been removed and cement ones substituted. One whole house has been devoted to Orchids, and Mr. Lange will make a specialty of raising these flowers. This is a new venture but promises to be a successful one. A shipment of the plants was recently received from Julius Roebrs Co., Rutherford, N. J., and they have already been planted. There is no other florist in Worcester who gives special attention to growing Orchids. Mr. Lange's plants and flowers as well as his artistic decorating and design work rank him among the foremost florists in the State. His Orchid venture will be watched with interest.

Charles D. Mackie is improving his greenhouses. A new house, strictly modern, 100x28 ft., is being completed on Sturgis st., and on Saturday this will be planted with Chrysanthemums. Mackie reports a splendid funeral business for July. His Sweet Peas are doing nicely and are plentiful.

H. F. Littlefield is adding a new house, 300x30 ft., to his greenhouses and expects to have it ready for the Fall growing. His stores are well patronized by retail customers and, so far, his flowers have been sufficient in quantity to meet all demands. July has been a busy month in both shops.

Walter E. Draper has opened an attractive retail shop at 752 Main st. Mr. Draper grows his flowers in Rochdale. His first few weeks as a city retailer have proved successful and in spite of the competition he expects to increase his business in the Fall.

Poor outdoor flowers, but excellent fruit and vegetables has been the rule of the weekly exhibits of the Worcester County Hort. Soc. The larger florists have not displayed anything to speak of this season.

There is a growing interest in Worcester's Garden Cities, and contributions are coming in weekly. The work of the youthful gardeners is attracting much attention and the response that local florists and seedsmen have made to requests for donations is most gratifying to the management of the Garden City movement, as well as citizens of Worcester, who have been much impressed with the conversion of two unsightly dumps into flourishing gardens. The contributions of the florists have not only enhanced the beauty of the dumps but increased the value of the property, and since the Meadow City was planted, three lots of the former dump have been sold.

E. D.

Carnation Plants

Clean, healthy, field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$60 00
Rose Pink Enchantress	6 00	00.00
White Enchantress	7.00	65.00
White Perfection	6.00	60 00
Bountiful	6 00	60.00
Boston Market	5.00	50.60
White Lawson	5 00	60.00
Lawson	5.00	60.00
Beacon	6.00	60.00
Victory	6.00	60 00
Harlowarden	6 00	60 00
Winsor	6.00	60 00
Yellow Beauty	6 00	60.00
M. A. Patten	6 00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Field-Grown Carnations

10,000 **White Enchantress,** 10,000 **White Perfection,** 8,000 **R. P. Enchantress,** 7,000 **Enchantress,** 4,000 **Victory,** 12,000 **Winona,** 5,000 **Lawson Enchantress,** 2,500 **Winsor,** 300 **Beacon.** Limestone land; no stem rot.

$6.00 per 100, $50.00 per 1000.
250 at 1000 rates. Cash.

Wells-Fargo, U. S., and American Express.

W. SABRANSKY, Kenton, Ohio.

FIELD-GROWN Carnation Plants

Victory, Pink Enchantress and **White Queen.** Ready after July 15th. Strong, well-branched plants, $5.00 per 100.

PETER WENK, OZONE PARK, (L. I.) N. Y.

CARNATIONS

	100
2000 Afterglow	$4.00
2000 Rose Enchantress	4.00
1000 Beacon	4.00
500 Patten	4.00

QUIDNICK GREENHOUSES, J. H. Cushlog Prop.
QUIDNICK (Anthony P. O.) R. I.

Field-Grown Carnation Plants

ALVINA (The Best) Dark Pink

Ready now or will hold until you are ready.

Plants now with 10-20 shoots ..... $10.00 per 100.
Plants now with 5-10 shoots ..... 7.50 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

DRACAENA Indivisa, 4-in. 10c., 3-in. 5c., 5-in. 20c.
CANNAS, 3-in., Egandale, Harum and Marlborough, 3c.
SALVIA, 3-in. 3c., 4-in. 5c.
VINCAS, 4-in. 8c., 5-in. 12c.
ENGLISH IVY, R. C., Green or Variegated, 75c. per 100.
ASPARAGUS Sprengeri, 2-in., $1.75 per 100.
SMALL MIXED FERNS, 2-in. 2c.

J. H. DANN & SON
Westfield, N. Y.
Please mention the Exchange when writing.

Louisville, Ky.

Louisville florists are resting on their oars at present and do not expect any rousing trade to begin until September 1, when the Fall season begins. However, if present indications may be taken as proofs, the Fall season is going to be one of the best that local florists have ever experienced.

Considered as a whole, the weather conditions during the past two weeks could scarcely have been excelled. An abundance of rain fell during the early portion of the fortnight, and it was at first believed that a superabundance was being distributed to Kentucky nurseries. However, after the warm rays of old Sol had produced a beneficent effect upon the blooms and plants, it was seen that no harm had resulted from the heavy downpours.

The annual outing of the Kentucky Society of Florists will be held in a short while at Stower's Grove, and about 150 florists and guests are expected to be in attendance. Stower's Grove is located on the Eighthteenth street road, about three miles from the city limits, and contains every facility for an enjoyable time at an affair of this kind. A mammoth dancing pavilion, together with a variety of refreshment stands, ornament the grounds and an exciting program of athletic events has been prepared for the benefit of the florists and their guests. The program for the occasion is as follows: Ball game at 10 a.m.; Peanut game at 2 p.m.; euchre at 3 p.m.; running races for women at 4.30 p.m.; running races for men at 4.45 p.m.; running races for girls at 5 p.m.; running races for boys at 5.15 p.m. At the bottom of the program is the injunction, "Bring your friends and baskets," and the dancing feature of the affair is heavily brought out for the benefit of the devotees of Terpsichore in local floral circles. The committee which has prepared for this outing is composed of the following florists: J. B. Stuessy, chairmaa; Joseph Wettle, Louis Kirch, Frank Kleinstuber, Gus Kleinstuber and Fred L. Schulz.

Several local florists have announced their intention of attending the big convention at Rochester, N. Y., in August, although it has been only definitely ascertained that two local men will be present. H. G. Walker, of F. Walker & Co., will go to Chicago, Ill., to attend the Triennial Conclave of the Knights Templars, beginning August 7; after remaining in the Windy City for about a week, he will proceed to Rochester to the convention. Mr. Walker will be accompanied on his trip by August Baumer, another prominent Louisville florist, who belongs to the local commandery of the Knights Templars.

F. Walker & Co., are planning some extensive improvements in their Fourth ave. establishment, and expect to enlarge their capacity considerably thereby. By removing a partition that is now in the rear part of the store, five hundred additional square feet of floor space will be obtained and in this space Mr. Walker proposes to erect a handsome new concrete ice-box for flowers. The box will be about thirty feet long, with modern equipment.

August Baumer is now buying a fine line of hanging baskets for Fall use. Mr. Baumer will introduce some new shapes and designs into the Louisville market.

Benjamin Fuchs, the six-months-old son of Henry Fuchs, died on Monday, July 11, having suffered from brain fever for a few days.

One of the prettiest Midsummer window displays that has been seen in Louisville was recently exhibited at the store of Jacob Schulz on Fourth ave. A rural scene was represented with a miniature lake and water-wheel in the foreground. The water-wheel revolved slowly by means of an electric motor, and the tank was especially constructed of cast-iron, irregularly shaped to fit the window. The surrounding "country" in the window was decorated with aquatics and Ferns, the entire scene being very close to Nature. A feature of the display was four young ducks, which calmly surveyed the scene from points of vantage on the water-wheel, or disported themselves in the lake. Large quantities of flies were devoured daily by the young ducks, which attracted an immense amount of attention from passers-by by their antics and attempts to catch an elusive fly.

Henry Nanz, of Nanz & Neuner, has been appointed a member of the State Development and Immigration Committee of the Louisville Commercial Club. The Club proposes to develop the resources of Kentucky as widely as possible during the next year, in addition to offering inducements to the desirable classes of immigrants who come to America, in order to increase Kentucky's population of desirable citizens. A representative member of each of Kentucky's big industries, the florist industry included, has been chosen for the Committee.

Two standing wreaths of Carnations, a blanket of greens, with a Lily design in the center and a deep border of Carnations, and several sprays of American Beauty Roses, were numbered among the floral tributes furnished by Jacob Schulz on the occasion of the funeral of W. H. Edinger, formerly president of the German Insurance Bank in this city. Anthony Schwind, a popular young German resident of this city, died recently, and the Schulz establishment furnished thirteen floral designs for his funeral, an entire wagon-load of flowers being sent from the one establishment.

Jacob Schulz has installed a telephone booth in his store, and the work tables have been moved to the rear portion of the establishment, affording additional floor space in the front of the store. Carl Rabe, of this establishment, expects to spend two weeks on a camping trip near Floyd's Fork about July 24.

Mrs. C. B. Thompson has been suffering with tonsilitis and a severe cold during the past two weeks, but is now somewhat recovered and is able to take charge of her establishment once more.

Fred Haupt expects to be one of the official scorers in the automobile tour which the Louisville Automobile Club is now planning, to be held in the near future.

A big wedding at St. Paul's Episcopal Church occupied a good deal of Mr. Haupt's attention during the past week.

A fine lot of Chinese Asters and Gladiolus America were cut by Mrs. M. D. Reimers during the past week. After occupying her present stand on Fourth ave. for more than thirty years, Mrs. Reimers has renewed the lease for a long term. Miss Emma Zachari, of this establishment, spent several weeks' vacation with friends at Paducah, Ky.

G. D. C.


A. MOLTZ

WE Sell All Kinds of Flowers in Their Season at Wholesale Only.

WE Neither Solicit Nor Receive Consignments of Flowers To Be Sold on Commission.

POSITIVELY No Flowers Sold at Retail.

A. MOLTZ & CO.

Wholesale Florists

A. MOLTZ **MAURICE L. GLASS**

Coogan Building, 55-57 West 26th Street
NEW YORK CITY

Telephone 2921, Madison Square
Open from 5 A. M. to 6 P. M.

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VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.
Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

FIELD PLANTS

STEVIA Compacta, $10.00 per 100.
VIOLETS, Prince of Wales, $7.00 per 100.
CARNATIONS, Enchantress, Beacon, Rose Enchantress, White Perfection, $6.00 per 100.

Rooted Chrysanthemum Cuttings Still

WHITE.
October Frost, Nonin, Virginia Poehlmann, Wanamaker, Burton, Chadwick.

YELLOW.
Monrovia, Golden Glow, Appleton, Golden Eagle.

PINK.
Rosiere, Dr. Enguehard, Bailey.

All at $2.00 per 100 except Virginia Poehlmann and Golden Eagle, which are $3.00 and $4.00, respectively.

Pot plants of above sold out; only strong rooted cuttings can be furnished, and those up to August 15.

I. M. RAYNER
Greenport, L. I., N. Y.

Please mention the Exchange when writing.

Geraniums

3-in. stock, in bloom, nice bushy plants, not long, Ricard, Poitevine, Nutt, $2.50 per 100, $20.00 per 1000; 2-in. strong, Nutt, Ricard, Buchner, $12.50 per 1000, $1.50 per 100. 5000 Transplanted Cuttings of S. A. Nutt, fine strong plants, at $12.00 per 1000, $1.50 per 100, the lot of 5000 for $50.00. COLEUS, Verschaffeltii, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: **Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.**

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. **Ricard, Nutt, Poitevine, Buchner, Grant, Berthe de Presailly, Richmond, Beauty, Castellane, Perkins E. G. Hill, Decorator and Mrs. Lawrence.**

B. E. WADSWORTH, Box 224, Danville, Ill.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.
AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100
GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Syracuse, N. Y.

Business is very quiet, as it always is at this time. Funeral orders are the mainstay. The florists are not grumbling and are making expenses, which is a large item, and means a good balance on the right side of the ledger later on.

We have been and are still suffering from the excessive heat and drought. The few thunder showers we have had were so heavy that most of the rain ran off instead of going into the ground.

Many of our shade trees show signs of the severe drought; the leaves are shrivelling up and dropping.

So far, I have not heard of any growers housing their Carnations, and should think the plants were far better off in the field.

Mr. and Mrs. Robinson, nee Burt, and Miles Henckle attended the Elks' convention at Detroit, and report a splendid time.

There is every prospect that Syracuse will be well represented at the Rochester convention. If my health permits I shall make a canvass of everyone of the trade in the city and will write to those outside, as I should like to see the Flower City have a record-breaking convention.

H. G.



NEW YORK, July 27.—There is very little business being transacted in the cut-flower market these hot Summer days. The supply of such staple stock as Roses of all kinds and Carnations is diminishing, and the quality is mostly poor. The flowers chiefly in evidence at this time are Lilies, Gladioli and Asters, with which the market is now overstocked.

Only a very few wholesalers are receiving any American Beauty Roses, and the demand for them is so moderate that specials are selling in small sales for $2 per dozen, while the basis of larger sales is about $12 per 100. The supply of pink Killarney and My Maryland is not plentiful, and there is still less of white Killarney, but quite enough to meet all demands. The best grade flowers of each of the above are selling for 4c. each, but the average on all grades hardly reaches 2c. each. Richmond, Bride and Bridesmaid are now practically out of the market, what few there are arriving being in an almost unsalable condition.

The supply of Kaiserin is not plentiful, and more could probably be disposed of. The best flowers realize 6c. each, thence downward to 50c. per 100. There are only a few Carnation blooms coming into the market, and these are nearly all very poor in quality. The poorer grades hardly bring 50c. per 100, and the highest grade no more than $1.50 per 100, all moving slowly.

The arrivals of Lilies are very large, and the tendency is again toward a slump in price. The sales also are very large, but it looks to-day as if there would be plenty of Lilies in the ice-boxes to-night. The highest price for top grade flowers is 4c. each. There is Lily of the Valley enough to supply the existing moderate demand. The average price is about $2 per 100, the highest grade selling for $3.

There is a trifling increase in the supply of Orchids, but prices are firm. Gigas is the most popular of the Cattleyas. The highest grade of Cattleyas is bringing 60c. each.

Sweet Peas are of very poor quality, and for that reason find few buyers. The top price for the best is 30c. per dozen bunches. Gladioli are very plentiful and prices are down. The red varieties sell very slowly, while the light colors move a little better. The highest grade flowers realize 2c. each. Asters are coming in more abundantly, but the extreme heat keeps them small. They are moving only moderately well, and $2 per 100 is the top notch price for the best grade. There is little demand for greens of any kind, and prices consequently tend downward.

PHILADELPHIA, July 25.—As "a short horse is soon curried," so a Summer flower market, where the arrival of blooms is very much curtailed, is soon reviewed. If a heavy demand for flowers should unexpectedly be made, the market would be found short, but as it is the supply is sufficient.

American Beauty Roses, specials, chiefly Eastern stock, are realizing from 20c. to 25c. each, with the supply and demand well balanced. Killarney, My Maryland and Richmond are arriving only in moderate numbers and of fair quality, and the best grade is bringing 6c. each, with an average on all grades of about 2c. each. Fancy special Bride and Bridesmaid are not in evidence these days. Some few extras fetch 6c. each with an average of 2c. or even less on all grades. There is only a short supply of Kaiserin, and consequently it cleans up easily at 6c. for best grade.

The cut of Carnations arriving is, of course, gradually shortening, and the quality deteriorating. The highest grade obtainable hardly sells for 2c. each, and the average on all grades is not over 1c. each.

Orchids are not at all plentiful, but the demand is satisfied. The price for the highest grade of Cattleyas is 50c.

The supply of Lilies and the demand are well balanced, and prices remain firm at about an average of $1 per dozen, and a $1.50 per dozen price for the best grade. Lily of the Valley is moving slowly at an average of 2c., and in a few sales 4c. each for highest grade.

The supply of Asters is gradually increasing, and some are coming in of fair quality. They are, of course, now a popular flower and the highest grade realizes $2 per 100, but the average on all grades is about 75c. per 100. The local supply of Sweet Peas is poor, and their season is about over. Some out of the State-grown stock fetch 50c. per 100, while the poor grades scarcely bring 20c. Gladioli are abundant and popular, and selling all the way from $1 for the common grade up to $6 per 100 for the choicest varieties of highest grade. As regards all greens, there is no change in the supply or prices. They are all moving slowly.

BOSTON, July 26.—The market has improved somewhat since last week. This improvement comes from a scarcity of flowers. The demand is slightly better than the supply, so prices have been a little better. However, things are not worth boasting about yet. It is pleasing to see the markets all cleaned up and sold out early in the afternoon, which has been the case for several days past. The hot weather has been extremely hard on flowers and those which come from any distance and are not packed in ice are useless when they reach the market.

Roses were quite scarce this week and such as arrived were disposed of quickly at fairly good prices. Killarneys seem of better quality. Kaiserin, My Maryland and American Beauty are the best keepers.

Carnations are not very abundant and the demand for them is light now.

Gladioli are quite abundant and of good quality, but the demand is poor. Sweet Sultan seems a favorite and is of excellent quality. Lilies are quite abundant but move slowly. Sweet Peas are plentiful and prices run from 25c. to 35c. per 100. Asters are becoming more plentiful and are of better quality; they sell for $1.50 to $2 per 100. Asparagus moves slowly now, as do all other green goods. R. C.

CHICAGO, July 26.—The shortage of stock is a serious drawback to the market. The continued heat is responsible for the condition to a marked degree. Even the new crop of American Beauty arriving presents mostly poorly developed flowers. It is almost impossible to secure good Roses in any variety. Some few of the growers are cutting Uncle John, which makes a fair showing and helps out amazingly. In red varieties Cardinal seems to have the preference at the present time.

Nothing much can be said of Carnations; they have fallen below par of other seasons. Such as arrive, however, are disposed of.

Asters are nothing to boast of; at no place are they arriving in anything like good shape, but they are salable on account of the absence of anything else. Gladioli arrive in great quantities, the best flowers cleaning up fairly well and the commoner ones dragging along. There are still several varieties of hardy flowers to be had. Tritomas and Gaillardias help out the window displays. Sweet Peas have practically passed, the stems of those arriving being only two or three inches long, and flowers small. Chrysanthemums are coming in small quantities, but the demand for them is not brisk.

Orchids continue scarce; $6 per doz. is easily obtained for the best.

Ferns have come down a little, owing to the quantities being received. Other greens are not so plentiful or good.

INDIANAPOLIS, July 25. — A number of good trading days have put a firmer tone to the cut-flower market in this vicinity. The funerals of a number of prominent citizens have necessitated the use of large quantities of stock, so there was little surplus. Counter trade is decidedly better this season than last, and were it possible for the florist to keep up the Winter standard in quality of wares it would be still better. Customers, generally, are looking for better goods and are willing to pay for better material than is offered. The writer knows the many difficulties of production at this time, but in the face of the continued Summer demand, which has been on the increase in the past few years, thinks it well to not overlook the Summer months in planning the year's output.

Carnations are small and not always obtainable at $1 to $1.50 per 100. 50c. per dozen is asked at retail for them. Several of the growers have finished planting and others are almost able to send new crop flowers to market.

Roses, both shipped and home grown, have been selling well. Prices are those generally obtained at this period. Bridesmaid, Bride, Richmond and the Killarneys are on a par when it comes to quality, and wholesale at $2 to $5 per 100. $1 to $1.50 per dozen is the counter price. American Beauty, because of its superlative keeping qualities, is much preferred at $5 to $25 per 100. Kaiserin Aug. Vic. and La France sell unusually well at $4 to $6 per 100.

No difference does the weather make in the Lily qualities. Harrisii are plentiful at $10 to $12.50 per 100. A few auratum are offered at $15; Jap. rubrum and album at $6 to $10.

Sweet peas are still disappointing, as few reach the market in good condition. 25c. to 35c. per 100 is quoted on them. Gladioli are now in full season, and a goodly share of them are being used. $3 to $4 per 100 is asked for the better grades. America is the favorite and is always inquired for with various degrees of success. 75c. to $1.50 per dozen is the retail price. The Dahlia season, according to Indiana's leading grower, promises to be an extra fine one. Good shipments are already being received of the early sorts. Asters are becoming more plentiful each day at $2 to $2.50 per 100. Hydrangeas and Tritomas make beautiful window displays, and are often opportune in flower work. Potted plants have reached the low ebb and nothing choice in the blooming line is obtainable. I. B.

ST. LOUIS, July 25.—In looking over the market at the different commission houses this Monday morning, we find a scarcity in everything except Sweet Peas and Gladioli and these have gone up in price.

Funeral work has been brisk among the retailers all last week as several prominent people have died; as a rule all had good sized pieces to make up which helped a great deal.

While Roses and Carnations will be scarce for a time now, we are looking for a big lot of Asters and Tuberoses to come in soon. Some are in now but not any too many. Sweet Peas are somewhat better and Gladioli not over-plentiful. These are selling well, as are fancy Larkspur, Smilax and other greens sold well all of last week.

ST. PATRICK.

Washington, D. C.

Washington, like many other cities, is in the grip of a hot wave, with drying winds, and rain is much needed. The torrid weather has had much to do with depressing business during the past week and good cut stock is at a premium.

A Western lady after much effort has succeeded in having the third Sunday in June recognized and universally observed as "Father's Day," when those desiring to do homage will wear a red Rose. There is also a further effort being made to have both Father's and Mother's days recognized as public holidays.

Edw. S. Schmid has invited the florists to be his guests at his annual crab feast at Eagle's Hall, on Tuesday night, Aug. 2. All who have attended similar events in the past are still singing songs of praise to this genial and big-hearted gentleman, and have but one doubt—that of their capacity to do justice to the spread.

Louis Hoover, of the firm of Mayberry & Hoover, is taking a well-earned vacation at St. George's Island.

A local company has been formed for the manufacture and sale of a newly patented article, known as the "Non-Breakable Flower Vase." This vase is of galvanized iron and made in a number of different sizes; judging from reports of sales already effected its superior merits are being recognized wherever shown. Several different designs are already on the market, each made to last and properly care for all classes of cut stock, while one of special merit has a drip trough, thus doubly protecting against drip and overflow.

JAS. L. CARBERY.

SPRINGFIELD, Mo.—The annual election of the officers of the Pioneer Floral Co. was held July 18, in the company's offices, the old officers being re-elected as follows: President, W. D. Murray; vice-president, L. H. Murray; secretary, R. R. Ricketts. Mr. Murray, president of the company, stated that the firm had passed through a very successful year and prospects for the coming year were very bright. The company has had an unusually good year, especially the latter part, and the greatest amount of business ever transacted by them in one year was taken care of in 1909-1910.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
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You Will Find Everything
Here in Good Summer Stock
Lilies, The Best. Carnations and Roses, as good as Winter stock. Gladioli, all colors. Best quality.
Growers not acquainted with our methods of business will find it to their advantage to do business with
HF Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
139 Livingston St., BROOKLYN, N. Y.
Telephones: 1393-1394 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DOBVAL, Jr., Secretary

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street, NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 561 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1885.

Telephone 2336 Madison Square
Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
WHOLESALE
Plantsmen and Florists
Temporary office during July and August, at
52 West 28th Street, NEW YORK
Please mention the Exchange when writing.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
129 West 28th Street, New York
Telephone: 3393 Madison Square
Please mention the Exchange when writing.

MOORE, HENTZ & NASH, 55 West 26th St., New York.
WHOLESALE COMMISSION FLORISTS
GROWER AGENT.
ADJOINING
New York Cut Flower Co's SALESROOM.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 West 26th Street, New York City
HEADQUARTERS FOR LILIES
Can Furnish Any Number Any Day in the Year
Telephones:—5243 Madison Square. Residence, 345 J. Newtown.
Please mention the Exchange when writing.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, July 27th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—			**CARNATIONS—**		
A. Beauty fancy—special	10.00 to 15.00		Inferior grades, all colors	.... to	.50
" extra	8.00 to 10.00		Standard Varieties: White	.50 to	.75
" No. 1	6.00 to 8.00		Standard Varieties: Pinks	.50 to	.75
" No. 2	3.00 to 5.00		Standard Varieties: Red	.50 to	.75
" No. 3	1.00 to 3.00		Standard Varieties: Yel. & Var.	.50 to	.75
Killarney	.50 to 4.00		*Fancy (* The highest grades of Sta'd varieties): White	.75 to	1.50
White Killarney	.50 to 4.00		*Fancy (* The highest grades of Sta'd varieties): Pinks	.75 to	1.50
My Maryland	.50 to 4.00		*Fancy (* The highest grades of Sta'd varieties): Red	.75 to	1.50
Richmond	.... to		*Fancy (* The highest grades of Sta'd varieties): Yel. & Var.	.75 to	1.50
Mme. Abel Chatenay	.... to		Novelties	.... to	....
Kaiserin	.50 to 8.00		Gardenias, per doz.	.... to	....
Golden Gate	.... to		Gladioli	1.00 to	3.00
Bride, Maid, fancy—spec.	.... to		Lilies, Harrisii and Longi.	.... to	4.00
" extra	.... to		Lily of the Valley	1.00 to	3.00
" No. 1	.50 to 1.00		Mignonette, per doz.	.... to	....
" No. 2	.... to .50		Narcissus	.... to	....
Adiantum	.... to .50		Orchids, Cattleyas	25.00 to	60.00
Croweanum	.... to .75		Cypripediums, per doz.	.... to	....
Antirrhinum (per bunch)	.... to		Dendrobium Formosum	.... to	....
Asparagus, cut strings	.25 to .40		Pansies, per doz. bunches	.... to	....
Plumosus, bunches	.12 to .20		Poinsettias, per doz.	.... to	....
Sprengeri, bunches	.12 to .20		Hyacinths	.... to	....
Asters	1.00 to 2.00		Smilax (per doz. strings)	1.00 to	1.50
Bouvardia	.... to		Stevia, per bunch	.10 to	.30
Callas	.... to		Sweet Peas, per doz. bun.	.... to	....
Daffodils	.... to		Tulips	.... to	....
Daisies	.... to		Iris	.... to	....
Ferns, per 1000	1.50 to 2.00		Peonies	.... to	....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1966 Madison Square
P. J. SMITH, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

ORCHIDS
The best of Orchids always on hand, also all kinds of Cut Flowers.
Gretsch & Ordonez Bros. Wholesale Florists
52 West 28th Street NEW YORK CITY
Telephone: 3357 Madison Square
We Solicit Consignments from Good Growers.
Please mention the Exchange when writing.

A. L. Young & Co.
WHOLESALE FLORISTS
54 West 28th Street, NEW YORK
Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

A. MOLTZ & CO.
WHOLESALE FLORISTS
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

New York

A handsome display of Water Lilies, several varieties, is maintained all the time in the window aquarium of J. H. Small & Sons, 1123, Broadway. Alcide Hauser, of this firm, is taking his vacation in the Adirondacks, and John Brown is enjoying a trip in which he is visiting Niagara, the St. Lawrence, Montreal, etc.

E. Bonnot, of Bonnot Bros., N. Y. Cut Flower Exchange, 55-57 West 26th st., has returned from his European vacation.

Joseph Levy, manager of John Seligmau & Co., 56 West 28th st., with his family is taking a vacation at Pine Hill, in the Catskills, N. Y.

The name of the new florists' supply company at 127 West 28th st. will be the Greek-American Florists' Supply Co.

A. Warendorff, 1193 Broadway, has completely recovered his health and is daily attending to busiuess. His store manager, Henry F. Dienks, is taking a vacation at Monticello, N. Y., and David Arenwald, also with Mr. Warendorff, is on a vacation among the mountains of Ulster Co.

Charles Thorley has recently returned from the West. G. W. Humphrey, manager of Thorley's House of Flowers, Fifth ave. and 46th st., accompanied by Mrs. Humphrey, is driving from New York to Lake Bowassen, Vt., where he will enjoy a much needed vacation.

Chas. A. Dards, 341 Madison ave., accompanied by Mrs. Dards, sailed on July 16 to visit England and France.

Edward E. Bourque, for 31 years manager for Charles A. Dards is taking a month's vacation with his wife and family at White Lake, Sullivan Co., N. Y.

Harry Ramm, who is with Charles A. Dards, married Miss H. Southwell on July 18, at St. Bartholomew's Chapel, New York City. The chapel was tastefully decorated, and the bride carried a bouquet of white Orchids and Lily of the Valley. Fred E. Evans was best man. Mr. and Mrs. Ramm will spend their honeymoon at the Thousaud Islands, and after their return will live in Hoboken, N. J. The weddiug dinuer for the guests was at Cafe des Beaux Arts, and the bachelor's dinner given the week previous by Mr. Ramm to his fellow employees was at the Café Moretti.

A. T. Bunyard, of the A. T. Bunyard Floral Co., 413 Madison ave., expects to attend the S. A. F. convention at Rochester. Miss L. M. Schritter, bookkeeper for the A. T. Bunyard Floral Co., is taking a vacation at Hawthorne, N. J. James Duffy, of the same company is passing his vacation amoug the Catskills, and Romeo Guido, the manager, will take a vacatiou, beginuing Aug. 1, at Far Rockaway, L. I. The Bunyard store is being improved and refurnished with mirrors, etc. A horse and two new delivery wagous have also beeu added to the equipment.

At J. W. Hauser's, 571 Madison ave., the store front is being extended 8 ft. in front and 1 ft. on the side, thereby greatly improving the store. George Hauser, son of J. W. Hauser, is taking

a vacation in the Catskills, and Andrew Witterman, who has been 35 years with Hauser as decorator and maker up, is passing his vacation at his Summer home at Bellmore, L. I. J. W. Hauser will take a trip to California in September.

The portico improvements at Myer's, 609 Madison ave., are halted by a strike of the tinsmiths. The ice-box is soon to be enlarged and improved by the substitution of marble for wood. Henry Luehrs, one of Myer's right hand men, is on a four weeks' vacation at Hightstown, N. J.; and Maurice Kleinsman, also with Myer, with his wife, is on a four weeks' vacation at Toronto, Canada.

Jonathan Nash, of Moore, Hentz & Nash, 55-57 West 26th st., is taking a month's vacation.

The finishing touches have been put on M. C. Ford's new store at 121 West 28th st., and now that the transformation from what it was to what it is has been completed, it is one of the best equipped and most convenient and artistic wholesale cut flower stores in New York City. Mr. Ford is to be congratulated on his thoroughness, judgment and good taste in the remodeling of his store.

Percy B. Rigby, who is to be manager of the S. S. Pennock-Meehan Co.'s branch store at 109 West 28th st., was in town Tuesday, calling on some of our wholesalers.

Paul Berkowitz of H. Bayersdorfer & Co., Philadelphia, was in town Tuesday.

On account of insufficient floor space to meet the needs of their increasing business, A. Moltz & Co., 55-57 West 26th st., have leased the adjacent store towards Sixth ave., and on the same floor as their present quarters.

The superintendents of the New York parks and pleasure grounds are much worried by the continued drought. The dry weather is causing most disastrous results. In many places the grass is entirely burned off, and almost everywhere, even with continual watering, the lawns are unsightly. A copious rain would certainly do incalculable good.

On Thursday, July 23, ex-Senator John Lewis Childs of Floral Park, L. I., gave his annual lawn party to the little girls of Floral Park. One hundred invitations were sent out. After the girls had played games their pictures were taken. Then came refreshments of cake, ice cream, etc. This was followed by an entertainment of music, recitation and acting on a stage in front of Mr. Childs' residence. Then came the surprise of the day. Mr. Childs took the platform and said that when he was in California last Winter he had a hundred souvenirs made expressly for this occasion. Then, as the roll was called, each little girl was presented with a pretty pin made from turquoise and other stones, as a souvenir of this enjoyable day.

Arthur Hunt, of Alfred Langjahr's establishment, 55 West 28th st., has just returned from his vacation in Rockland and Sullivan counties, N. Y.

J. Vocke, representing Wm. H. Siebrecht at the N. Y. Cut Flower Exchange, is the happy father of a nine-pound girl baby which the stork brought Saturday, July 23.

John Kral, of the establishment of Moore, Hentz & Nash, has just returned from his vacation, looking brown, rugged and healthy.

The Rochester Convention

Do not forget that full particulars for travel arrangements New York to Rochester can be obtained from Frank H. Traendly, 131 West 28th st., N. Y. City, Chairman Transportation Committee.

Bowling

The bowlers of the New York Florists' Club made the following scores at Thum's Alleys on July 20:

		Ttl.	Av.
J. Manda	217-167-124-115	623	155
J. A. Shaw	98-121-113-115	447	111
A. F. Faulkner	100- 84-104-...	288	96
J. Fenrich	223-171-153-119	696	174
R. Berry	-170-150-144	464	154

The Long Island Florists' Club's bowlers' scores made on Tuesday, July 26, were:

		Avg.
Donaldson	199-145-161-168-203	175
H. Siebrecht	122-181-155-138-161	151
Kessler	164-176-140-102-153	147
Einsman	135-111-128-154-136	138
Wm. Siebrecht	113-146-118-141-122	134

MANHATTAN, KAN.—A 112 by 150 ft. greenhouse is being built for the Kansas State Agricultural College.

McPHERSON, KAN.—C. A. Simonson is to materially enlarge his greenhouse plant this Summer, and will install a new boiler.

PITTSBURGH CUT FLOWER COMPANY
WHOLESALE GROWERS
222 Oliver Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee July 22, 1910	Pittsburgh July 26, 1910	NAMES AND VARIETIES	Boston July 26, 1910	Detroit July 26, 1910	Cincinnati July 25, 1910
..... to 25.00	15.00 to 25.00	Rose—A. Beauty, fancy—special	15.00 to 20.00	16.00 to 20.00	10.00 to 15.00
..... to 15.00	8.00 to 12.50	" extra	6.00 to 12.00	12.00 to 16.00	..... to 8.00
8.00 to 10.00	4.00 to 6.00	" No. 1	1.00 to 3.00	9.00 to 12.00	..... to .....
4.00 t 6.00	..... to	" No. 2	..... to	3.00 to 8.00	..... to .....
4.00 to 8.00	2.00 to 10.00	Killarney	.75 to 4.00	3.00 to 6.00	..... to .....
4.00 to 8.00	2.00 to 8.00	White Killarney	.75 to 4.00	3.00 to 6.00	..... to .....
..... to	..... to 6.00	Bride and Bridesmaid	.50 to 4.00	3.00 to 6.00	2.00 to 3.00
..... to	..... to	My Maryland	.75 to 4.00	3.00 to 8.00	..... to .....
4.00 to 6.00	2.00 to 8.00	Richmond	.75 to 4.00	3.00 to 8.00	..... to .....
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	4.00 to 9.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	.50 to 1.00	.50 to 1.00	..... to .....
..... to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	..... to	20.00 to 50.00	..... to .....
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	..... to	20.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	..... to	..... to .....
..... to .50	..... to .50	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: White	.50 to 1.00	1.00 to 1.50	..... to 1.50
..... to .50	1.00 to 1.50	Standard Varieties: Pink	.50 to 1.00	1.00 to 1.50	..... to 1.00
..... to .50	1.00 to 1.50	Standard Varieties: Red	.50 to 1.00	1.00 to 1.50	..... to .....
..... to .50	1.00 to 1.50	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 1.50	1.50 to 2.00	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Pink	1.00 to 1.50	1.50 to 2.00	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Red	1.00 to 1.50	1.50 to 2.00	..... to .....
1.00 to 1.50	..... to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	1.00 to 1.50	..... to	..... to .....
..... to .50	1.00 to 1.50	Daisies	..... to	..... to	..... to .....
..... to .20	..... to	Ferns, hardy	..... to	..... to .15	1.00 to 1.25
..... to .20	..... to	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 4.00	4.00 to 6.00	Gladiolus	2.00 to 3.00	4.00 to 8.00	3.00 to 6.00
..... to 12.50	..... to 6.00	Lilies, Harrisii and Longi	4.00 to 6.00	12.50 to 15.00	8.00 to 10.00
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 2.00	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to 75.00	Orchids—Cattleyas	25.00 to 35.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to 6.00	Peonies	..... to	..... to	..... to .....
..... to 15.00	..... to 1.50	Smilax, (per doz. strings)	..... to	1.25 to 1.50	..... to 1.25
..... to .25	.25 to .50	Sweet Peas	.25 to .35	.30 to .50	.15 to .25
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

Boston

The dry hot weather which has been so severe for so many weeks was relieved by fine thunder showers on Monday evening. This gave a temporary relief but, to do crops good, we need several days of steady rain.

Business is quiet, in fact there is very little doing, but the situation for the time being has been eased somewhat because the supply has been materially cut off. The process of regulating crops at a time like this has a beneficial effect on the market. Roses are scarce and there are very few Carnations. The worst is over now and we hope from this time the situation will improve by degrees.

Norman Howden of R. & J. Farquhar & Co. was married June 27 at Newark, N. J. On July 11 he was given a great surprise in receiving from his fellow workmen a handsome sideboard which shows the high esteem and regard in which he is held by his co-workers. Mr. Howden has been in the employ of R. & J. Farquhar & Co. for many years and, in his quiet, unassuming manner, has made many warm friends.

Many of the market men got away from the sweltering heat of the city last Thursday on a fishing trip down the harbor. They chartered the steamer Satellite and had a most pleasant time. Many of them now have remarkable fish stories to tell. Among those who went were Thomas Peglar, A. S. Parker, Andrew Christensen, Wm. Aylward, Charles Evans, George Cartwright, Samuel Beck and many others. The weather was rather rough and many of the men turned out poor sailors. The fish around the steamer were particularly well fed that day.

A meeting of the Board of Control of the National Flower Show, of which Frank R. Pierson is chairman, was held on Saturday to make final arrangements.

Chester I. Campbell, manager of the exhibition, will establish quarters at the S. A. F. convention at Rochester, and will have plans of Mechanic's Building, where the exhibition is to be held next Spring, so that intending exhibitors may select space for their exhibits.

William Sim's crop of early Corn is looking well and he is now shipping 100 bushels of it per day. [We understand that Mr. Sim placed his first picking on the Boston market on July 15, two weeks ahead of the season for purely outdoor grown Corn.—ED.] From his houses of Tomatoes the daily output at this time is 100 bushels.

Daniel Illiffe, the heating expert, is busy installing a large heating plant in a greenhouse at Philips Beach, Mass.

Wm. H. Elliott has gone to the Maine woods for three weeks to obtain a much needed rest before he goes to the convention at Rochester.

Robert Cameron has just returned from a three days' business trip in N. Y. State. He reports crops in all farming districts as of excellent quality. There has been much more rain in that State than in Massachusetts. The country around Rochester looks exceedingly well and those who will take in the Convention will certainly enjoy the scenery and the rural districts of that part of the country. The ride from Boston through the Berkshire Hills was extremely interesting and the vegetation on the hills was most attractive. This would make an exceedingly interesting route to travel by, going to the Rochester Convention, for the Boston delegation, and would surely be enjoyed by all.

The Montrose Greenhouses are shipping some nice Roses to market this week. Their white Killarney and Kaiserin are their best kinds at present.

W. C. Stickel and family of Lexington are spending their vacation at Nantucket; before their return they will put in a few days in Providence.

W. H. Vose of Hyde Park is sending the best Asters to market that we have seen so far this season; these are raised by his expert grower, Otto Bender. Other things which come from the same establishment are Gypsophila and Gladioli of fine quality.

Backer & Co. of Billerica are cutting some fine Gladioli and their Carnations for this time of the year are very good indeed.

William J. Thurston, manager of the market at 1 Park st., has returned from Maine after a very pleasant two weeks' vacation. The fishing and boating were especially good where he was. The assis't manager, George W. Hamer, is now on his vacation and is spending his time principally at Revere Beach.

Willow Hill Greenhouses, Roxbury, are sending some excellent Sweet Sultan to market; these are disposed of through Thomas Peglar.

Mann Bros. of Randolph are marketing some Acroclinium and Sweet Sultan of good quality.

Mathew Ruane, the jovial salesman for Pierce Bros., has returned from York Beach, Maine, where he thoroughly enjoyed himself.

Pierce Bros. of Waltham are now cutting 1000 Lilies a day and they have three acres of them, all of good quality. They are also marketing some good Gardenias. R. C.

Superior Wire Work
Send for catalogue.
All Cut Flowers in Season
E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. - CINCINNATI, OHIO.
Please mention the Exchange when writing.

Philadelphia

The many friends of Robert Craig Sr. will regret to learn that he is under the doctor's care.

Among recent callers upon the Robert Craig Co. may be mentioned William A. Babikow, and son, of Stemmer's Run, Md. Shipments of Ferns, Poinsettias, Cyclamens, and Begonias are being rushed out every day by this company, not a few of them going to such distant points as California.

Jacob Becker has taken down his greenhouses at 49th and Chestnut sts., and William Patterson, a local contractor, is erecting for him five 100 by 20 ft. houses at 52d and Ludlow sts. The property at 49th and Chestnut sts. has been sold.

Charles Gray, who is with W. E. McKissick & Bros., is taking a few weeks' vacation.

The Pennock-Meehan Co.'s establishment is undergoing a very thorough renovation. R. Glass, who is with this company reports a very restful and enjoyable vacation.

Edward Reid, in company with John McIntyre, Gilbert Baker, and George Faulkner, went on a fishing trip recently to Almonessen, N. J. The story of the catch of fish has not been revised yet and made ready for publication, but other things besides big fish made the trip

SUMMER BEAUTIES

$1.00-$3.00 per dozen.
As good as any grown in this section.

ROSES

Brides and **Maids**, $3.00-$6.00 per 100.
Maryland and **Kaiserin**, $4.00-$8.00 per 100.

ASTERS $1.50-$2.00 per 100.

We can furnish them in any quantity and the quality is up to the usual standard for this season of the year. Asters are more profitable to use now than Carnations, and should do so whenever possible.

BRONZE GALAX $7.50 per case.
They are the best we ever had to offer during the Summer months.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore July 25, 1910	Buffalo July 25, 1910	NAMES AND VARIETIES	Phil'delphia July 25, 1910	St. Louis July 25, 1910
..... to	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	20.00 to 25.00	10.00 to 15.00
..... to	12.00 to 15.00	" extra	15.00 to 20.00	8.00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	5.00 to 6.00
..... to	..... to	" No. 2	5.00 to 6.00	..... to .....
3.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	2.00 to 4.00
3.00 to 4.00	2.00 to 7.00	White Killarney	2.00 to 6.00	2.00 to 4.00
..... to 4.00	..... to 7.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
3.00 to 5.00	2.00 to 7.00	My Maryland	2.00 to 6.00	3.00 to 5.00
3.00 to 4.00	2.00 to 7.00	Richmond	3.00 to 6.00	..... to .....
..... to	4.00 to 7.00	Perle	3.00 to 6.00	..... to .....
3.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 4.00	4.00 to 7.00	K. A. Victoria	2.00 to 6.00	..... to .....
..... to 1.00	..... to 1.00	**Adiantum**	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	**Asparagus**, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to	..... to	**Bouvardia**	..... to	..... to .....
..... to	6.00 to 8.00	**Callas**	..... to	..... to .....
..... to 1.00	.75 to 1.00	**Carnations**—Inferior grades, all colors	.75 to 1.00	..... to .....
..... to 1.50	1.00 to 1.50	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Pink	1.00 to 1.50	..... to 1.00
..... to 1.50	1.00 to 1.50	Standard Varieties: Red	1.00 to 1.50	..... to 1.00
..... to 1.50	1.00 to 1.50	Standard Varieties: Yellow and var	1.00 to 1.50	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): White	1.50 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Pink	1.50 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Red	1.50 to 2.00	..... to 1.00
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var	1.50 to 2.00	..... to .....
..... to	.50 to 1.00	**Daisies**	..... to	..... to .....
..... to	..... to .15	**Ferns**, hardy	.10 to .20	..... to .....
..... to	..... to .15	**Galax**, green and bronze	.10 to .15	..... to .....
..... to 1.00	..... to	**Gardenias**, per doz	..... to	..... to .....
3.00 to 5.00	3.00 to 4.00	**Gladiolus**	3.00 to 6.00	..... to .....
..... to 12.50	8.00 to 12.00	**Lilies**, Harrisii and Longi	8.00 to 12.50	..... to .....
3.00 to 4.00	..... to	**Lily of the Valley**	2.00 to 4.00	..... to .....
..... to	..... to	**Mignonette**	..... to	..... to .....
..... to	40.00 to 50.00	**Orchids**—Cattleyas	..... to 50.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	**Panaies**, per doz. bunches	..... to	..... to .....
3.00 to 4.00	..... to	**Peonies**	..... to	..... to .....
..... to 2.00	..... to	**Smilax**, (per doz. strings)	1.50 to 1.80	..... to 1.25
.30 to .50	..... to	**Sweet Peas**	.20 to .50	..... to .....
..... to	..... to	**Tulips**	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

an exciting one, and Mr. Reid became a fisher of men, or rather of a woman. A boat nearby containing a woman and two men was upset, and the men clung to the boat leaving the woman to drown, but as soon as Mr. Reid and his companions could bring their boat near enough, Mr. Reid plunged in and saved the woman. On their return they found a man who had been run down by an auto and injured and they took him into their auto and whisked him away to the Camden hospital.

Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Rose Pink, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $7.00 per 100, $60.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, 6.00 per 100, $50.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
Beacon, $7.00 per 100, $60.00 per 1000.
O. P. Bassett, $6.00 per 100, $50.00 per 1000.



Boston Market, $6.00 per 100, $50.00 per 1000.
White Lawson, $6.00 per 100, $50.00 per 1000.
Bountiful, $7.00 per 100, $60.00 per 1000.
Victory, $7.00 per 100, $60.00 per 1000.
M. A. Patten, $7.00 per 100, $60.00 per 1000.
Harlowarden, $6.00 per 100, $50.00 per 1000.
Yellow Beauty, $7.00 per 100, $60.00 per 1000.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

W. C. Herbert, the Dahlia specialist of Atco, N. J., was in town Monday calling at S. S. Pennock-Meehan Co.'s. At his Dahlia farm at Atco, Mr. Herbert will this season install a surface irrigation plant for the field of Dahlias from which he cuts blooms. He will attend the S. A. F. convention at Rochester.

C. D. Mills, of Jacksonville, Fla., with his wife and a lady friend, on their way North called recently on the Leo Niessen Co. This company is receiving some very fine Aster blooms. Leo Niessen is taking a few days' vacation at the seashore.

F. M. Ruppert of Cumberland, Md., was a recent caller at the store of H. Bayersdorfer & Co. Mr. and Mrs. Bayersdorfer have returned from their European trip and report a very enjoyable vacation. Paul Berkowitz of this firm was in New York Tuesday.

The Philadelphia Florists' Club will hold its next meeting on Tuesday evening, August 2, at Horticultural Hall. The speaker of the evening will be Robert Kift of Philadelphia, and his subject "The Mission of the Trade Paper."

Bowling

Following are Club scores July 28:

		Avge.
Robertson	175-171-197-146	172
Irwin	187-102-159-104	138
Graham	140-186-151-125	150
Dodds	155-146-147-188	159
Connor	134-195-133-...	154
Addelberger	176-187-115-155	158

Chicago

Considering the time of year business has been exceptionally good, and the shortage of stock, especially in American Beauty and all other Roses has been felt severely. As this is the central market, the call from all large cities West and South has been very great, showing that the shortage has been equally severe all over the country. This peculiar condition of affairs might be termed almost abnormal. Weather conditions are responsible for the shortage, as the cold dry Spring, and the fact of outdoor flowers being killed by the frost, made the demand for greenhouse flowers particularly heavy. However, a few more days will see a change in the condition of the market, as stock is on the increase, and the supply will soon be equal to the demand.

With the convention of Knights Templars, which takes place in Chicago August 8 to 13, it is possible that the many banquets and receptions planned will utilize all the flowers available. The decorations that are contemplated for arches, columns, etc., will consume thousands and thousands of yards of Laurel roping. The visiting florists who are Knight Templars will be given a hearty reception from their brothers in the trade in Chicago.

Walter W. Morris, an undertaker, was fined $25 and costs last week for allow-

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
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Poehlmann Bros. Co.
WHOLESALE GROWERS OF
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DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
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HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
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Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
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All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
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Headquarters for American Beauty Rose
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Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
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ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
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FLORISTS ST. PAUL, MINN.
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E. G. HILL CO.
Wholesale Florists
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DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
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Wholesale Prices of Cut Flowers, Chicago, July 26, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	4.00 to	6.00
30-inch stems.. "	2.50 to	3.00
24-inch stems.. "	2.00 to	3.00
20-inch stems.. "	.... to	2.00
18-inch stems.. "	.... to	1.75
12-inch stems. "	.... to	1.25
8-in. stems and shorts "	.... to	1.00
Killarney	4.00 to	6.00
" extra	.... to	10.00
White Killarney	.... to	8.00
Richmond	4.00 to	6.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	6.00
Kaiserin	6.00 to	10.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	.... to	....
" fancy doz.	.... to	....
Corn Flowers	.75 to	1.00
Dalsies	1.00 to	1.50
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	1.50 to	2.00
*Fancy: Pink	1.50 to	2.00
*Fancy: Red	1.50 to	2.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	—— to	2.00
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	8.00 to	10.00
Lily of the Valley	2.00 to	4.00
Mignonette	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	60.00 to	60.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
Sweet Peas	.10 to	.30
	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	1.50 to	2.00
Gladioli	3.00 to	6.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
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VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

ing flowers which had been exposed to scarlet fever infection to be used at a funeral.

Fritz Bahr of Highland Park is busy building a new house for one of his employees. Since his election as alderman of Highland Park Mr. Bahr has succeeded in securing for his town an excellent bathing beach, and in having ten bath houses erected. It is Mr. Bahr's intention to make the trip to the S. A. F. convention via the Great Lakes route.

It is as yet a little early to enumerate the delegation from Chicago to the S. A. F. convention; Milwaukee has reported that at least eight from that town will leave on the special train from Chicago.

George Klehm of Arlington Heights delivered the last of his Peonies to Kyle & Foerster on Monday. He says that while the crop was only one-third of what it should have been, they have realized more money than in any previous year when the flowers have been a glut on the market.

Bassett & Washburn are taking advantage of the slack time to paint and repair their refrigerators, and will have them in apple pie order in a few days. A letter from O. P. Bassett from Germany reports he is in the best of health and having a most delightful trip. He says the horticultural prospects of the country are grand.

Charles McKellar and party, who are touring the East in their auto, arrived at Portland, Me., last week, leaving on Monday for Boston, and from there to New York, where they will spend several days until leaving for Rochester in time for the convention.

Miss Keegan, who has charge of the books of Zech & Mann, is away on her annual outing. While stock is reported short at many of the wholesalers this firm is receiving large consignments twice daily, and while arrivals are not especially good in quality they have plenty for all demands.

Wietor Brothers are cutting some very fair stock of Uncle John Roses which owing to the shortage in all kinds is meeting with a ready demand.

O. Friedman will open his new store in the Congress Hotel about Sept. 1, and will run it under the head of the Congress Floral Co. This will be a high-class store.

Canger & Gormley had a large share of the funeral work for the funeral of Ira G. Rawn.

Winterson's Seed Store are busy, preparing their retail catalog for the Fall trade. Their Harrisii and Freesias arrived from New York this week.

J. B. Deamud returned on Monday from a few days' outing at Eagle Lake, Mich.

J. G. Mastin, 3124 W. Lake st., has a new automatic hand spraying machine, holding about one quart of fluid, which is a winner, being approved by all growers, who have seen it

Schiller the Florist is repainting and decorating both the interior and exterior of the store. The conservatories connected are well filled with Ferns and decorative plants.

Owing to there being no quorum present at the adjourned session of the regular quarterly meeting of the Horticultural Society of Chicago on July 19, a further adjournment until August 2, was taken.

Visitors: M. Lindsay, with J. C. Conger, Cincinnati, O.; S. R. Luny, San Francisco, representing D. A. Manda, Orange, N. J.; Chas. P. Braslan, San José, Cal., returning from Europe; F. C. Sloan, Palo Alto, Cal.; H. W. Buckbee, Rockford, Ill.; J. D. Carmody, Evansville, Ind.

It is reported that Bassett & Washburn have purchased 40 acres of land along the C. B. & Q. at East Grove and will soon commence erection of a large number of greenhouses there. As this location affords their long desired switching connection it is probable that eventually the Hinsdale plant will be abandoned entirely. The removal of the plant will cause Hinsdale to lose the benefits of over a $1500 a week payroll and the employment of a great many teamsters and carpenters and other extra labor. Their freight formed a large portion of the incoming business at that station.—*La Grange, Ill., News.*

San Francisco

The Market

Market conditions need little reporting this week, as trade is very dull all round and flowers of any importance are scarce. In the Carnation line quite a few nice blooms are being marketed, but prices are far from satisfactory. Roses are very scarce, and there is a good demand for all grades of blooms. American Beauty and Brunner are the principal things to be seen in this line. Orchids are also scarce and some high prices are being asked for blooms of quality. Outdoor stock of all descriptions is plentiful and can be bought dirt cheap.

Politics and Golden Gate Park

Still another attempt has been made by the political muckrakers of San Francisco to oust John McLaren, superintendent of Golden Gate Park, from the position which he has held with the greatest honor for twenty-two years. I cannot do better than copy part of an editorial from the San Francisco Call, which illustrates admirably what the people as a whole think of this noted gardener. The Call says: "John McLaren made Golden Gate Park what it is today, one of the finest and the most beautiful municipal playgrounds in America. There are certain things that can be done in the name of politics without disaster to the people who inspire them, but the removal of Superintendent McLaren is not one of these. The people of San Francisco are more proud of Golden Gate Park than any other single municipal institution. The taxpayers have freely contributed a great many millions for its maintenance and equipment and they are well pleased with the investment. The money has not been wasted and it has mostly been expended under the direction of Mr. McLaren. The results speak for themselves. Long and competent service is entitled to recognition, and it would be a crime to make this post, on which so much depends, the prey of hungry politicians.

Various Notes

A fine lot of Cattleya Dowiana is to be seen in flower on the Coryell place at Fair Oaks at present.

The E. W. McLellan Co. of Burlingame intends planting a house to Brunner Roses for next season.

Goertzhein Bros. of Redwood have 6000 'Mums benched up to date, besides many thousands under cheesecloth in the open.

The MacRorie-McLaren Co. received a large consignment of Formosa Lilies from Japan this week; over four hundred large stems of Dicksonia antarctica from Australia was also received in grand shape.

Charles Leopold of San Francisco has taken charge of the Sandborn Nursery in Berkeley.

F. Ludemann, who recently disposed of his extensive business has moved to 1810 Lyon st., San Francisco, where he will make his home in the future.

The picnic committee of the Pacific Coast Horticultural Society has announced that owing to the impossibility of securing proper accommodations at Santa Cruz it has been decided to hold the picnic at Camp Taylor, Marin County, and the date has been changed to July 24 instead of the July 17 as previously announced. Camp Taylor is one of the prettiest spots in California, and the committee has been assured of a large attendance, but to make it a more decided success the committee hopes that all members will make an effort to be present.

C. H. Perkins of Newark, N. Y., was a recent visitor in town.

C. C. Lathrop of Palo Alto has started to build four new houses. G. E. Pape of Berkeley has charge of their construction. WM. MCM. BROWN.

New Orleans

The annual election of officers of the New Orleans Horticultural Society was held at Gunsdorf's Restaurant, at West End. Richard Eichling was elected president, R. E. Simon, vice-president, and John Eblen, treasurer, the latter being elected for the twenty-sixth consecutive year, and C. R. Panter succeeds himself as secretary. Harry Papworth brought up the subject of inviting the S. A. F. and O. H. to hold its convention of 1915 in New Orleans, during the time of the Panama Exposition. Mr. Papworth, who will attend the Rochester convention, was asked to invite the Society in the name of the New Orleans Horticultural Society. After the meeting, the annual dinner of the Society took place, and a fish dinner which did credit to the chef of the restaurant was enjoyed by members and several guests. C. R. Panter acted as chairman and toastmaster and several speeches, both witty and serious, were delivered, and enjoyed until the hour of midnight when a rush was made for the last train. A pleasing incident at the dinner was the presentation of a fine umbrella to John Eblen, who is one of the charter members of the Society and who has been its only treasurer for a little over twenty-five years. A cablegram was read during the feast from the Society's retiring president, A. Alost, who at the present time is in Belgium.

Otto Abele left a few days since for Germany, called home by the serious illness of his mother, who has since died. Paul Abele received a cablegram to that effect today, and immediately telegraphed the sad news to his brother Otto, who had only proceeded as far as New York. He will, however, continue his trip to Germany to attend to the winding up of the parental estate.

C. W. Eichling left during the past week for North Carolina, for his Summer vacation. All hope that he will return with good health fully restored to him.

Henry Cook is receiving congratulations on an interesting addition to his family, in the shape of twin girls.

Mr. and Mrs. Matthew Cook were last heard from enjoying themselves at Baden Baden.

So far, those having stated their intention of attending the Rochester convention are Mr. and Mrs. U. J. Virgin, H. Papworth, Chas. Eble and C. W. Wichers. CRESCENT CITY.

Sheep's Head Brand Pulverized Sheep Manure



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WILLIAM M. DAVIDGE
156 Madison Street, BROOKLYN, N. Y.
TELEPHONE 1101 Bedford

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Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.

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GREENHOUSE GLASS

ALL SIZES
16x24 A. & B. Double a Specialty
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10 Desbrosses St., New York

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For **Greenhouses, Graperies, Hot Beds, Conservatories,** and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

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Providence, R. I.

Were it not for the funeral work that the florists are having, business would not be very brisk. There has been an unusual amount of funeral work during the past month.

Easter Lily bulbs made their appearance in Providence last Friday, when W. S. Pino received his first shipment. The stock looks very nice this season and we all hope it will produce a satisfactory crop.

J. A. Budlong & Son are giving up growing Carnations and have planted some of the houses to Violets instead.

Geo. Johnson & Son, Elmwood ave., are tearing down and rebuilding one of their greenhouses. They report more funeral work than usual.

Mr. Warburton of Fall River, Mass., was in town Thursday, purchasing supplies. He is looking after the business of his father, C. Warburton, who has gone abroad.

C. S. Ford, representing A. Herrmann of New York City, was in town Friday.

Mr. Schneider, representing Edwards' Folding Box Co., Philadelphia, Pa., was a recent caller on the trade. He also called on the trade at Fall River.

Wm. R. Bishop, Burlington, N. J., seed grower, was in town calling on the trade. He reports crops are looking well at this time.

John C. Caswell, seedsman for the W. E. Barrett Co., is away on a two weeks' vacation.

Wm. Hay is getting ready to glaze the new large house he is building for Roses.

D. E. Newell, Attleboro, Mass., was in town Saturday, purchasing supplies and flowers.

The market conditions are unchanged. Carnations are poor and scarce. Roses seem plentiful, with a limited demand. Sweet Peas are still in good supply, with prices ranging low. H. C. N.

Tobacco Paper

Is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

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Over 40% Nicotine
By far the CHEAPEST.
Just Note Prices!

Pint $1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25

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POT MAKERS FOR 140 YEARS

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LONG ISLAND CITY, N. Y. Pearson Street.
CAMBRIDGE, MASS. Established 1765.

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Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4.51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.80
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.



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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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3124 West Lake Street
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All the Clay

FOR OUR

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street New York

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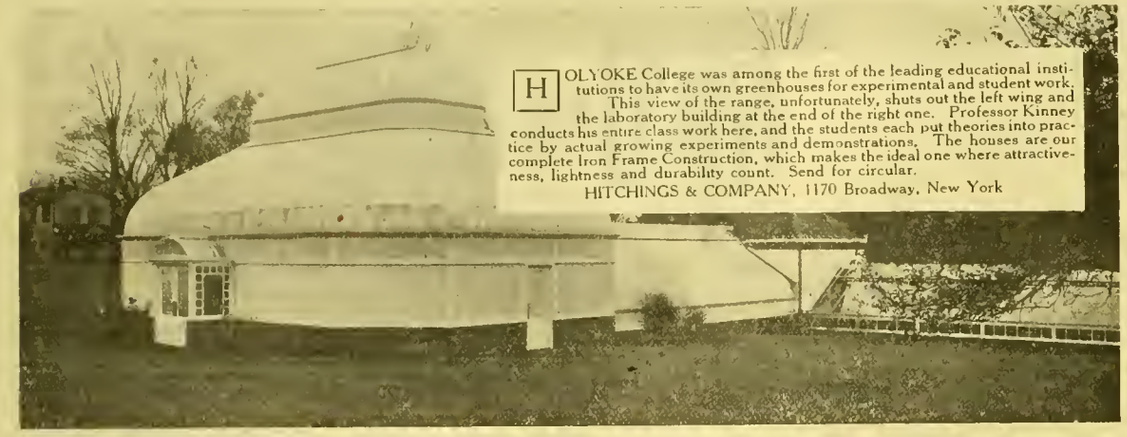

HOLYOKE College was among the first of the leading educational institutions to have its own greenhouses for experimental and student work. This view of the range, unfortunately, shuts out the left wing and the laboratory building at the end of the right one. Professor Kinney conducts his entire class work here, and the students each put theories into practice by actual growing experiments and demonstrations. The houses are our complete Iron Frame Construction, which makes the ideal one where attractiveness, lightness and durability count. Send for circular.

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Estimates Cheerfully Furnished

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Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

GREENHOUSE GLASS

20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

We carry the largest stock of **HOT-BED SASH** in the United States

OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

Please mention the Exchange when writing.

A. Dietsch Company

2638 Sheffield Ave., CHICAGO

Greenhouse Material Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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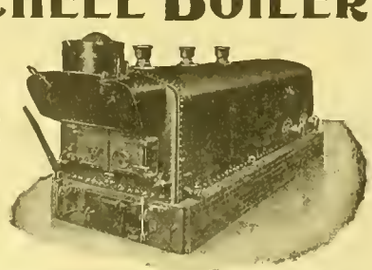
THE KROESCHELL BOILER

IS THE ONLY PERFECT

Hot Water Boiler



Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.

Prices and catalogue on application.

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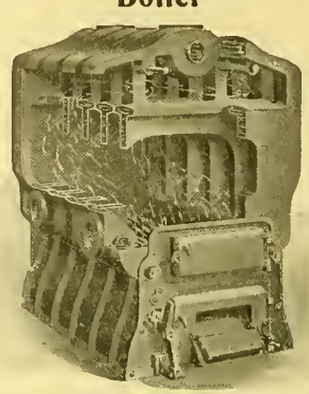

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Greenhouse Material

Any Style and Size



The best and cheapest.

WRITE US.

A. C. TOOF

Manufacturer and Dealer

Rhinebeck-on-Hudson, N. Y.

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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Greenhouse and Hot-Bed

SIZES OUR SPECIALTY

IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN

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GLASS

Higher Prices Sure

Save on Construction or Repairs

Buy now. Write us for prices.

SHARP, PARTRIDGE & CO.

Long Distance Phone Canal 880

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Strokum Stops Caterpillars

BIND it around your trees. Stop the third crop of caterpillars from crawling up. It is the most destructive crop of all.



Caterpillars or tussock moths cannot crawl under and won't crawl over Strokum. The only banding substance that does the work and lasts an entire season. It is not unsightly. Guaranteed not to harm the trees. Anyone can put it on.

Send $1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it. Send for booklet.

George Stratford Oakum Co.

165 Cornelison Avenue, Jersey City, N. J.

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REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

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U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

A. HERRMANN

Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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Indianapolis

The labor question is of paramount importance right now, with a number of the craft. Emptying benches is not altogether attractive to young American when auto factories and other sources of more pleasant labor abound.

Tomlinson Hall Market has not been busy of late. Not many of the growers attend and much of the retail trade is away from the city.

Ware Shops, was a recent visitor.

A. Scherrin, of the Burlington Willow

John Deere of Franklin was here on a buying expedition this week.

E. T. Barnes of Spencer is looking for a good season, as his field-grown flowers are in good trim.

The Veseys of Fort Wayne are to grow Orchids extensively the coming season.

Joe McDuff of Bertermann's store force is spending his vacation in Providence, R. I.

A. F. J. Baur is busy obtaining premiums for the national society.

Messrs. Herman Junge and John Bertermann and families are planning a vacation at the northern lakes. I. B.

Kalamazoo, Mich.

The Summer dullness is still upon us, and little business other than funeral work is at present doing. Stock is in sufficient supply for all demands and of quality well up to the average at this season. Asters have not yet made their appearance but will do so in a short time, and will be a welcome addition to the rather small list at present in blossom. Carnations will be with us a week or two yet and come in very useful for funeral work.

A few showers have fallen this week, not enough for a good watering but enough to keep the plants alive; we need good rains for all outdoor crops and I am afraid Carnations will be very small this year for planting in.

William Thomas is busy with his new house and expects to have it in readiness for planting in a week or two. This will give him a very nice suburban plant in a very quick growing location. He has also bought a new horse for delivery purposes and is well equipped for the next season's business.

H. A. Fisher, who has been sick recently, is now around again. Last week he visited the supply houses in Chicago to stock up his Battle Creek and Kalamazoo stores with Fall goods.

G. Van Bochove is spending his vacation at the various lakes in this vicinity resting and fishing. Fred Marker is also on old-time sportsman who makes pilgrimages around on the same business. Several of Van Bochove's young men attended the Elks' convention at Detroit, and needless to say had the time of their lives. S. B.



Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

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The Burnham



Grates shake easy—shaker arm is a powerful lever—grates smash the clinkers and do not jam—No bolts in grate connections to burn off.

LORD & BURNHAM CO.
IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

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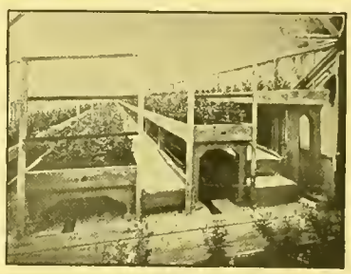

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CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

WILSON-HOYT CO.
ONE MADISON AVE.
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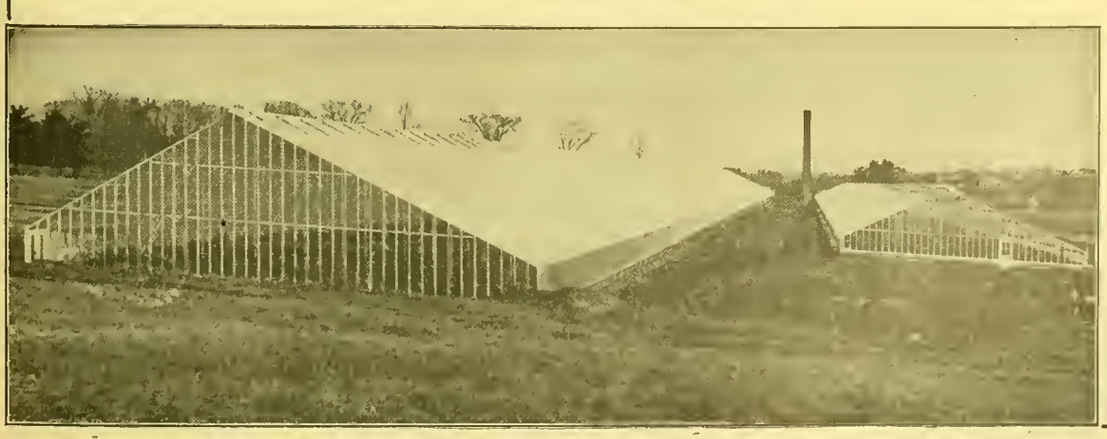
Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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The Making of Money

Is but one part of our business, and while it is important we have not lost sight of the moral responsibility to the buyers of our product, which is just as important as the making of a profit.

We believe in delivering an honest dollar's worth for each dollar you pay us, and after being in business now for forty years we believe there is not one of our customers but what will testify to the fact that we have at all times given all we promised. If you have at any time any doubt in your mind as to the price that should be paid for first-class material, write us for an estimate—it will tell you the amount to pay for the right kind of material. Any lower price than ours means inferior material or selling without profits—any higher price is unreasonable.

Send for our Catalogs:
No. 4. Greenhouse Materials.
No. 6. Boilers.
No. 6. Pipe and Fittings.

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CHICAGO
906 E. Blackhawk St.

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Florists—Your Attention

Greenhouse Glazing
Greenhouse Painting
Putty Bulbing
Greenhouse Walks Concreted
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Good Work, at Short Notice—Estimates Given—Low Prices—Satisfaction Guaranteed—References from Many Reliable Florists. Write to

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174 Madison St., New York City, N. Y.
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JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

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In Your Next House

Let us figure with you on our

Steel Truss Construction

Which does away with all interior roof posts. In the wood for roof and wall construction, you cannot get anything better than our

GULF RED CYPRESS

Ventilating Machinery, Iron Fittings, Pipe, Glass, Hot-Bed Sash, Pecky Cypress for Bench Material.

THE FOLEY MFG. CO.
Western Avenue near 26th Street Chicago, Ill.

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MASTICA



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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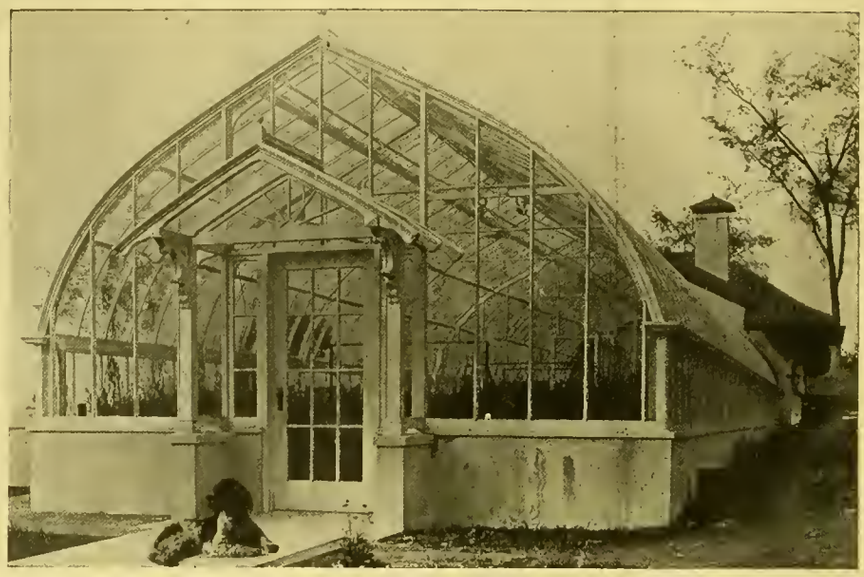

The Little Details Count In Greenhouse Building

How many houses that you know of, have been all but spoiled in appearance just because care was not given to the little details? You say such and such a house is a good house—*but!* And it is *the buts* that make the difference between a house that is carefully designed and as carefully built, and the one that has been slighted in the so-called "little details." It is just these details that are the making of a house. The fact that we have done so many big things so well is conclusive proof that the little things are not slighted.

Our Building Superintendents have been called cranks because they make such a "holler" if things are not up to snuff. If there is any kicking to be done, we prefer to do it.

If you want a thoroughly up-to-date house built by a firm who do business with an eye on the details, then write to us.

In the Advance Pages from our new catalog this house shown is given a page. We want every gardener to have these pages.

LORD & BURNHAM CO.

IRVINGTON, N. Y.

NEW YORK—St. James Bldg. BOSTON—Tremont Bldg. PHILADELPHIA—Heed Bldg. CHICAGO—The Rookery

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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KING IRON FRAME GREENHOUSES

"Ask the Man Who Has One"

2 HOUSES 35x300 FEET

Germantown, Pa., Jan. 29th, 1910.

Dear Sirs:—

The two 300-foot houses you built last Summer, at Roslyn Heights are thoroughly satisfactory. They are light, strong, and rigid. Mr. Clarence Upton, who manages the place, is enthusiastic about your houses.

Yours very truly,
(Signed) JOHN WELSH YOUNG.

Send for Bulletin No. 35, which describes the King Iron Frame Construction

KING CONSTRUCTION CO., North Tonawanda, N. Y.

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The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

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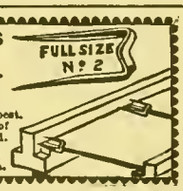
Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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Rochester Convention Number Next Week

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 6 — NEW YORK AND CHICAGO, AUGUST 6, 1910 — One Dollar Per Year

Amherst MASS

LILIUM HARRISII

Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ....$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants .... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants .... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:

2¼-inch pots .... $12.50 per 100, $120.00 per 1000.
3 -inch pots .... 20.00 per 100, 160.00 per 1000.
4 -inch pots ..... 30.00 per 100, 250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch.	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII,

5x7-inch, 400 to the case, $5.00 per 100, $45.00 per 1000; 7x9 inch, 200 to the case, $10.00 per 100, $90.00 per 1000. Case lots at thousand rates.

GLASS

A few hundred boxes 16x24 A. D. S. F. O. B. Buffalo, N. Y., or Erie, Pa., at right prices.

Get quotations before you buy elsewhere.

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

We are Headquarters, and have an Immense Stock ready for Immediate Shipment

Standard Varieties, from 3 inch pots, $3.00 per 100, $25.00 per 1000. We are booking orders for Next Season, from 2 inch pots at $2.00 per 100, $18 50 per 1000.

Cannas For Fall or Winter delivery, as low as $12.00 per 1000 Special Price on larger lots. Write for Special Price on what you can use.

Dahlias Whole Field Clumps, good assortment at $6.00 per 100, $45.00 per 1000. Send for List.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

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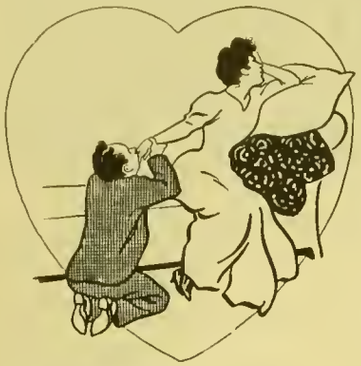


Heart to Heart Talk

On the Bulb Question Is In Order

We are in possession of our St. David's Island bulbs, and must say they never looked better. Unfortunately our stock is limited.

	Per 100	Per 1000
LILIUM HARRISII, 5 to 7	$5.00	$45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
WHITE ROMAN HYACINTHS, 11 to 12	2.25	20.00
WHITE ROMAN HYACINTHS, 12 to 15	2.75	24.50
WHITE ROMAN HYACINTHS, 13 to 15	3.00	28 50
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

CALLAS

Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California
SOLE AGENTS FOR THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

Valkier en Zoon, BULB GROWERS
Zeeland, Holland

We grow twenty-two different kinds of bulbs. We guarantee our stock.
AGENT FOR THE UNITED STATES
CHRIS. VAN SCHAIK, Care of Isaac the Visser R. F. D. No. 1 **Paterson, N. J.**
Write for Prices

Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

If You Want the Very Best Pansies, Plant These Two Varieties. New Seed, Just Gathered

S. & W. CO.'S NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance, the seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed. Trade pkt. 25c., ¼ oz. $1.50, oz. $5.00.

WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Trade pkt. 50c., 1000 seeds $1.25, 5000 seeds $5.00.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARE NOW READY

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 inch (333 to case)	6.50	60.00
7-9 inch (200 to case)	9.50	85.00
9-11 inch (100 to case)	Scarce	

FREESIA

White Bermuda	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50

French Grown	Per 100	Per 1000
Jumbos	$1.75	$12.00
Mammoth, ½ to ¾ inch	.90	8.00
First Quality, ⅜ to ½ inch	.70	6.00

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write us for it.

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed. Trade Pkt. 50 cents.
Large-Flowered-Prize. Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

NEW CROP MUSHROOM SPAWN
JUST ARRIVED FROM ENGLAND
$8.00 per 100 lbs.
WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpurenm	.60	6.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.76	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

PANSIES

FOR BEDDING

Large Flowering Sorts, In Separate Colors



	Large Trade Pkt. (2000 seeds)	Per Oz.
Azure Blue	$0 20	$0 75
Belgian Striped	.20	.75
Black (Faust)	.20	.75
Bronze	.20	.75
Emperor Frederick (new) dark red	.20	.75
Emperor William, ultramarine blue	.20	.75
English Large Flowering, fine mixed	.25	1.25
Fire Dragon, fiery orange and bronze	.20	.75
Fire King, golden yellow, upper petals purple	.20	.75
French, large flowering, finest mixed	.20	.75
Gold Margined	.20	.75
Havana Brown	.20	.75
Lord Beaconsfield, deep purple violet	.20	.75
Mahogany colored	.20	.75
Meteor (new), bright brown	.20	.75
Peacock, ultramarine blue, deep claret and white	.20	.75
Prince Bismarck, beautiful golden bronze	.20	.75
Quadricolor, or Pheasant's Eye (Rainbow), beautiful	.20	.75
Red Riding Hood, red, free bloomer	.20	.75
Red Victoria (new), very fine	.20	.75
Snow Queen, satiny white	.20	.75
Striped and Mottled, large flowered	.20	.75
White, pure	.20	.75
White, with dark eye	.20	.75
Yellow, pure	.20	.75
Yellow, with dark eye	.20	.75
Fine English Mixed	.20	.60

Send for our Complete Wholesale Pansy List.

JOHNSON SEED CO.,
217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5 00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Seasonable Seeds

FOR

Summer Sowing

ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

Please mention the Exchange when writing.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

CANNAS

We grow over one million and offer for Fall or Winter delivery, as low as $7 00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

PRIMROSES

IMPROVED CHINESE Finest grown. All colors mixed, single and double, strong 2-in., $2.00 per 100.

CYCLAMEN GIGANTEUM Very extra fine, 4-in., ready for 5 or 5-in. pots, **$10.00 per 100.**

XXX SEEDS

CHINESE PRIMROSE, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

PRIMULA KEWENSIS, the great and grand new, Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

CINERARIA, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

GIANT DAISIES (Bellis), extra large and fine, mixed. Trade pkt. 25c.

PRIMULA OBCONICA, New Giants, 1500 seeds, 50c.

CALCEOLARIA, Dwarf Giant Spotted, Pkt. 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

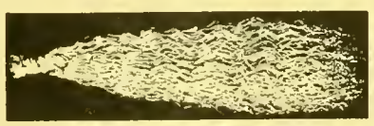
We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Raffia



We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

HAVANA Tobacco Seed

(TRUE VUELTA ABAJO)

$1.25 per lb. by mail prepaid.

Write for prices for larger quantities.

Cash with order.

Alberto R. Langwith & Co.
Seedsmen and Florists
66 Obispo Street, Cerro, Havana, Cuba

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—July 27.—Maltus & Ware, 54 cases living plants. July 30 and 31.—H. Nungesser & Co., 50 bls. seed.

ST. JOSEPH, MO.—The Farber Seed Company is to increase its capital stock from $5,000 to $10,000.

SEATTLE, WASH.—The Seattle Seed Company has incorporated with a capital of $35,000. Henry Schuett and Mahel Clair Schuett are incorporators.

ATCHISON, KAN.—Reorganization of the Mangelsdorf Seed Co., one of the largest institutions of its kind in the West, has been completed. William Mangelsdorf and Henry D. Back assume the business at Ellinwood, Kan., and all the real estate in Barton County, Kansas, and August Mangelsdorf and his sons take over the entire business at Atchison. The capital stock of the company is $100,000.

European Notes

The minor key must be in the ascendant again this week, for as no improvement is possible while present conditions continue any alteration must of necessity be of a retrograde character.

A renewal of the floods in western France has brought fresh disaster to the Beets and Mangels, while the ravages of the black fly have only been partly checked, although the growers have done their utmost in the matter of spraying.

A recurrence of the ugly incidents which marked last season's trading in these articles is already manifested, many of the dishoneat growers having openly avowed their intention of accepting the highest bid for their seed, regardless of the contracts honorably entered into before the stock seed was furnished to them. The dishonest dealers who are making these dishonest overtures to the growers are now fairly well known, and every effort will be made to expose their tactics and bring them within the reach of the law.

Cabbage crops in France have looked so promising that the shortage occasioned by the heavy failures in England has caused very little anxiety, but an outbreak of blight in the seed stalks and the continuance of weather conditions favorable to its development threaten to reduce the crop. The Dutch crops of this article are looking well at present but badly need the sun.

Peas are going from bad to worse all over Europe and, if the most favorable

Horseshoe Brand Products

Every stone quarry is full of statues, but it takes a sculptor and not a stone-cutter to develop them. Almost any farmer can grow bulbs in Japan, but it takes an expert with diligent effort to grow good bulbs. "Formosa" bulbs due here in August and September, we offer in sizes 6/8, 7/9, 8/10 and 9/10 from select fields. Every bulb of our own direct importation and strictly first class in all respects.

Write for prices.

RALPH M. WARD & CO.,
12 WEST BROADWAY
NEW YORK

"Not How Cheap—But How Good"

Cold Storage Giganteum in sizes 6/8, 7/9 and 8/10 on hand for shipment as desired. Order now. Every grower should have at least a case for Xmas-Flowering.

Please mention the Exchange when writing.

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

Lilium Harrisii

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11,

At Popular Prices

INQUIRIES SOLICITED

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

Please mention the Exchange when writing.

Cold Storage Valley

BURNETT'S SELECTED DRESDEN BRAND

A SURE CROP

Grown by some of the most competent private gardners in the country.

Write for special prices.

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. Is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds) **50c;** ¼ oz **75c;** ½ oz **$2.75;** 1 oz. **$5.00.**

Other choice **Collections Mixed Pansies;** see last issue.

All the leading varieties Named Pansies in separate colors for bedding.

SWEET PEAS FOR FORCING NEW STOCK NOW IN

CYCLAMEN GIGANTEUM

Mixed, 100 seeds 60c.; 1000 seeds $5.00. **White,** 100 seeds 75c.; 1000 seeds $6.00. **White,** with red eye, 100 seeds 75c.; 1000 seeds $6.00.

Send for Florists' Wholesale Price List

STOKES' SEED STORE 219 Market Street PHILADELPHIA, PA.

Send for Pansy and Bulb List

Please mention the Exchange when writing.

ASTER SEED

WE are prepared to quote prices and book orders for Aster Seed for future delivery. While at the Convention look over our display of Cut Asters, and do not fail to visit our Aster Farm.

VICK & HILL CO., Rochester, N. Y.

P. O. Box 613

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, best strain and fine plants, $1.75 per 1000, 5000 for $7.50.

CABBAGE, CELERY, PEPPERS, SWEET POTATOES, BRUSSELS SPROUTS and CELERIAC, best varieties, fine plants from the field, $1.00 per 1000, 5000 for $4.00, 10,000 for $7.50.

CAULIFLOWER, Early Snowball, fine plants, $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

HEADQUARTERS FOR

GLADIOLI

and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Mignonette

For years the best in the New York and Philadelphia markets.

Strictly Greenhouse-Grown Seed. Trade Packet, $1.00; Ounce $4.00.

☞Nothing better can be bought —Now is the time to sow

ANTON C. ZVOLANEK

BOUND BROOK, N, J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

change were to take place immediately, must be a very short crop. A serious obstacle to a thorough roguing of the same is the way in which the plants have been beaten down and matted together by the frequent heavy storms; unfortunately, this is the second year in succession that the difficulties have arisen. As all stores are quite empty it is little wonder that dealers do not care to sell.

Spinach is the one crop that is up to estimates; it is now ready to harvest, but we cannot do anything in this direction without the sun.

S. B. Dicks, representing Cooper, Taber & Co., London, sails per S. S. Empress of Ireland on July 29 for Montreal and will proceed by the C. P. R. to Vancouver, thence through California. Geo. H. Dicks will take his father's journey again this year, and will sail, on August 2, per S. S. Saxonia for Boston. Any communication for either of the above should be sent to care of R. J. Godwin's Sons, 15-25 Whitehall st., New York City. EUROPEAN SEEDS.

N. B. The writer has perused with much interest the letter of Mr. Samson, respecting the condition and prospects of crops in France, which appears in the Florists' Exchange for July 9. The facts are as stated by Mr Samson, with the addition that since his letter was written the conditions are even worse than he reports. The writer may, perhaps, be pardoned for saying that he has persistently called attention to these facts in this column for many months past, and that the facts so recorded were the result of persoual observation on the spot. E. S.

American Notes

Trade Is Slowly Improving

Business in many directions is surely showing quite a little improvement with the seedsmen, and it is very pleasing to note that the reports received are not confined to any one section but are coming from practically every part of the country. Not in many years has trade shown such an early and new start, so to speak, after the ending of the Spring seed selling season; there is usually very dull business until almost September, but even now on all sides it is most apparent that things are shaping themselves for an Autumn of great activity with the seed trade. Lilium Harrisii and Freesia bulbs are selling unusually well; even now the large sizes are talked of as soon to be very short in supply. In Freesias, the comparatively new variety "Purity" is even in stronger demand than last season, which is certainly saying a great deal; but this splendid flower has now firmly established itself as a standard sort. By August 10 next, goodly arrivals of French bulbs are expected; the filling, therefore, in another week, of the early orders for white Roman Hyacinths and Paperwhite Narcissus will add quite a little activity to the starting bulb trade. Thus early the advance orders for Dutch bulbs, at both wholesale and retail, are very satisfactory on the whole, and many reports place the quantities already disposed of as well ahead of last year at this same time. General rains sufficient to break the drought have not as yet materialized; but if we are favored soon in this direction much planting of seasonable seeds and settings out of late vegetable plants will result. The Autumn bulb catalogs are being hurried along, and while on the whole they may be said to be even more elaborate than last season, they will be ready for distribution at the usual time. Everything is shaping itself for one of the largest and most satisfactory Autumn seasons our seedsmen have had in many years.

Swiss Chard Beet

It will pretty soon now be time to seriously consider the all important question of novelties and specialties for our 1911 Spring seed catalogs. The novelties in seeds will, as usual, in the very near future begin to be advertised and exploited by the growers and introducers. But in the line of specialties, so-called, each seedsman and dealer can to a large extent rely upon himself, and offer prominently those varieties of standard worth that for one reason or another have been more or less neglected. There are many splendid vegetables that for no apparently known reason have been very much neglected; Swiss Chard Beet is one of these, and only needs a little proper prominence to render it a prime favorite, and the seed a great seller. Wherever the Swiss Chard Beet has been properly introduced, its cultivation has wonderfully increased every year; it is also

Hairy Vetch

Crimson Clover, Kentucky Blue Grass, Timothy, Orchard Grass, Red Top or Herds Grass.

J. BOLGIANO & SON

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Paney Seed eee The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

LILIUM HARRISII, The True Bermuda Easter Lily. Extra size bulbs, 7-9 in. circumference, per case, (200 bulbs), $17.00.

Lilium Formosum, 7-9 inch circumference, per case (300 bulbs), $20.00.

WEEBER & DON, 114 Chambers St., NEW YORK

SEED MERCHANTS AND GROWERS

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 539 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

Dutch Bulbs

We forward free to destination—Collections of Bulbs, of from $5.00 to $25.00 each. Guaranteed true quality. Terms, cash with order. Please write for a collection, and you will see what we send.

The Dutch Bulb & Seed Growers Co.

Haarlem (Holland)

Please mention the Exchange when writing.

known as the Spinach Beet, and again as Silver Greens. This type of Beet is grown exclusively for its large, succulent and deliciously tender leaves and stems. The fleshy leaf stalks are cooked and served like Asparagus, while the young leaves are boiled and used the same as Spinach; both ways of cooking are most delicious. There is no vegetable one can catalog prominently with surer hopes of large sales of the seed; customers will like it and, last but by no means least, a substantial margiu of profit will result. Swiss Chard Beet is much too fine a vegetable to be neglected as it has been in the past. V.

New York Seed Trade

There is no question but that our seedsmen are quite a little busier than they were a week ago, and were it not for the drought, which continues, trade with them in all seasonable lines would be quite brisk.

Bulb orders for Lilium Harrisii, Freesias, and the soon to arrive French stocks, are being placed in liberal numbers. Altogether the outlook is excellent for a satisfactory August business.

Vaughan's Seed Store reports unusually large sales of pot-grown Strawberry plants, much in advance of a year ago. They have issued a very comprehensive illustrated list of these, which also includes late vegetable plants.

Several of our seedsmen are very much disquieted from the fact that within the last few days they have received very discouraging reports from their Bean, Pea, and Sweet Corn growers. The dry weather is reducing these seed crops materially.

Peter Henderson & Co. still continue their very attractive window display of Water Lilies.

George G. Stumpp of the Stumpp & Walter Co. is, with his wife, spending a week's vacation in the Adirondacks.

Wm. Elliott & Sons are receiving and shipping Japanese Lilium formosum, and also goodly quantities of Purity Freesias and Buttercup Oxalis bulbs.

Without exception all our seedsmen are receiving larger orders than ever before for the standard varieties of the Christmas flowering Sweet Peas. Never have these proved as popular as they would seem to be this season.

J. Candy, of the flower seed department of Peter Henderson & Co., sailed last Saturday by the White Star S.S. Arabic to spend his vacation at his home in Southampton, England. Mr. Candy, previous to his coming to Peter Henderson & Co., where he has been several seasons, was with Watkins & Simpson of London. He will be gone some five weeks.

At Boddington's trade is active. The wholesale bulb catalog of this house will be ready for distribution the coming week and orders in this line are already being received in goodly volume.

There will be a substantial representation of seedsmen at the S. A. F. Rochester convention, and the occasion is looked forward to with much enthusiasm.

Philadelphia Seed Trade

The several seed companies are shipping, or will soon ship out the seeds for which they have received orders, through their advertisements or salesmen, from the southern truck farmers, especially those in Georgia and Florida.

Letters from the Nebraska seed growers to the Moore Seed Co. state that Corn crops as a rule in the West are ten days to two weeks late; that the stand of field seed Corn is good, but that Sweet Corn averages about two-thirds a stand. The vine crops are reported very good in some localities, but in others only half a crop will be harvested. Cucumbers are a fair average, Musk Melon about half a crop, and Water Melons about the same. A letter to this same company from W. W. Johnson & Son, Boston, England, announces that a representative of the company has sailed from Liverpool, England, to arrive in this country August 7, and he will call upon the seed trade.

The Michell Seed House, 518 Market st., is making a window display of a fresh importation of French Mushroom spawn, and a free booklet entitled "How to Grow Mushrooms." The Henry F. Michell Co., 1018 Market st., is displaying potted Cycas revoluta, Ficus elastica and Ferns. Frederick J. Michell, Sr., and his sons, Fred, Jr., Frank and Harry, have been spending a few days at Atlantic City, N. J.

Henry A. Dreer is still in Maine. J. Otto Thilow, secretary of the Dreer company, has been on a pleasure trip in different parts of Pike Co., Pa. He reports

Vaughan's Giant Pansies

10 per cent. special CASH DISCOUNT. On orders over $2 for Flower Seeds if cash is enclosed, 10 per cent. The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c.; ⅛ oz., 60c.; oz., $4.00; ¼ lb., $14.00.

VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent. of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which have established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c.; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.

VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50 cts.; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.

VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt. 50c., ⅛ oz., $1.00.

VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c., ⅛ oz., 75c.; ½ oz., $2.50; oz., $5.00.

IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c.; ⅛ oz., 20c.; ¼ oz., 30c.; oz., $1.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

VAUGHAN'S SEED STORE

84 and 86 Randolph St., CHICAGO GREENHOUSES WESTERN SPRINGS, ILL. 25 Barclay St., NEW YORK

Please mention the Exchange when writing.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color..	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors.....	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50
Giant Rosy Lilac	$0.15	$0.60	$2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch	.15	.60	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, August 10.

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.

	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price.	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating.	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color.	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped.**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50



HENRY A. DREER, PHILADELPHIA, PA.

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, **$1.00;** ¼ ounce, **$1.50;** ½ ounce, **$2.50;** 1 ounce, **$5.00;** ¼ pound, **$14.00;** ½ pound, **$25.00;** 1 pound, **$50.00. Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

GIANT PANSY SEED
THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue** and **Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost, Kenilworth, N. J.

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.



MIGNONETTE
Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
New York City

Please mention the Exchange when writing.

short but heavy rains in that section. It is expected that Dreers will make a large and interesting exhibit of specialties at the S. A. F. convention at Rochester.

The Stokes Seed Store is just now very busy filling its southern orders. Letters from Walter P. Stokes show that he has now reached Quidlenberg, Germany.

Boston Seed Trade

R. & J. Farquhar Co. report that retail trade has continued much longer this season than usual. There is quite a demand for vegetable seeds of various kinds for late sowing and this kind of business is increasing each Summer. There is also a growing demand for cover crops such as Clover and Buckwheat. The demand for Strawberry plants has been quite good and a large number have been sold. Their strain of Pansies is quite popular and the demand has been quite satisfactory so far. Perennial seeds have sold heavily, the demand only weakening a few weeks ago. Arthur E. Holland, who is in charge of the vegetable department, is spending his vacation at York Beach, Me. George Cruikshank, of the flower seed department, is spending his vacation at Scituate, Mass. Steven Donnellan, foreman of the greenhouses at Roslindale, is spending his vacation visiting the large New England growers. William E. Gordon, of the shipping department, Roslindale, has left for a two weeks' stay at West Bath, Me., where he is to spend most of his time fishing. John Van Leeuwen, supt. of the nurseries, has just returned from a trip through Pa., N. J., N. Y. and Long Island and reports that nursery stock looks exceptionally well at every place visited.

The Thomas Grey Seed Co. has just received a consignment of Lilies; they report Harrisii Lilies as very good, longiflorums as quite scarce. Freesias have also arrived and the variety Purity is quite scarce owing to the crop being frozen. Grass seed sales are commencing earlier than usual as, owing to the dry weather, there will be no second crop of hay, therefore farmers are getting ready to sow earlier than usual. The call for perennial seed has been very good. Thomas Grey, the senior partner of the house, is going to the convention at Rochester.

Joseph Breck & Son report they are beginning to sell Grass seed and that there is a heavy demand for cover crop seeds which the farmers are beginning to use heavily instead of commercial fertilizers. They are beginning to realize that the cover crops add more humus to the soil, therefore the demand. Mr. Sharkey, manager of the seed department, is leaving for his vacation in a few days; it is to be spent at Martha's Vineyard.

R. C.

French Seed Trade Notes

I have just arrived from France after a short business trip, and glad indeed was I to see American shores again, after a visit disagreeable in many ways. To add to the general discomfort, the weather was most unbearable, the winds reminding one of early March instead of late July. I found that the floods, which have been very severe, will make a short crop, and prices will be high, according to the present outlook.

Another enemy the farmer has to battle with is the sparrow, for whatever the rains leave it destroys.

While visiting the seed farm of M. Vilmorin, I noticed that the hands were obliged to use drums to scare away these pests, and in another place fire crackers were used, as noise is the only thing that has any effect upon them. The fancier flowers (and by the way, they were most disappointing wherever I went to see them), in order to protect them, were covered by nets, and only by great care were they successfully preserved from the pilfering of these feathered thieves.

France is facing the same situation that America is passing through; her young men are flocking to the cities, leaving the cultivation of the fields to the women.

While, undoubtedly, France stands first in seed growth, owing to her extreme care in every detail, yet the question arises with me, why does not America become alive to the advantages of having her seeds home-grown? We have climate, soil, energy and every requisite, and last but by no means least, the removal of the duty would enable the seedsman to sell so much cheaper, an item not to be overlooked, especially when one considers the delay in Custom-house, over-charging, etc., which confronts the seedsman.

The seed of the very best Pansy that I have ever seen was grown in New Jersey, and the flower was perfected in New York; and what applies to flowers will in time to vegetables.

I had expected to find the flower market so much better, and to bring home enthusiastic reports of its superiority to our own, but I came home to find what I went to France to seek. I hope that I shall yet see the seed crop grown and cultivated upon American soil.

BEAULIEU.

Woodhaven, N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10

VOLUME 1 NUMBER 6

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 6th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of **exceptionally** free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.



Sweet Peas, Boddington's Christmas Snowbird

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Christmas Captain. Blue and purple. Oz. 25 cts, ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Greenbrook White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. William Sim. Salmon-pink Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

The Week's Work

BY FRITZ BAHR

All Aboard for Rochester

If at all Undecided, Make up Your Mind to Go.

With us every hand is busy in order to get things into proper shape so as to be ready to board the special on the Lake Shore Limited for Rochester, and such should be the case with everyone who depends on the florist business for a livelihood. There are so many who do not fully realize what a great benefit the S. A. F. really is and what further great good a society of earnest workers can accomplish with the proper support. I claim it is the duty of every man in the business to first belong to his local club—and there should be one, as brother Falconer rightly said, in every place where there are a half dozen florists—and the next step is to join the national body; and usually it is so, the man who belongs to the one also is a member in good standing of the other, and what is more he is successful, for he is a man who keeps step with the progress made; he is up to date, and you find he takes as much pleasure in showing you through a well done house of Cyclamens as in telling you how to do it. I met a man the other day who told me that the convention was only for the big fellows. Poor man! That's what made them big fellows, meeting the successful growers, getting in personal touch with them, getting ideas, seeing others do things a little different from their own way. The Society is just what we make it. Why not help to make it a blessing, as it should be to all of us? Wake up! Let's shake hands in Rochester! If ever there was an inviting place to hold a meeting in it's Rochester. There are hardly any of us who are not interested in nursery stock. If you are at all anxious to see how it is done, come! It will be worth twenty times what your trip costs to visit the different nurseries located near Rochester, and this holds good in all other lines. You will feel like a new man on your return home—feel like rolling up your sleeves and getting to work—and you will do it more intelligently than you did before you went, and if anyone should ask you how you liked it you can say that you are not going to miss another convention.

Poinsettias

The Care of the Stock during August.

This is growing time for the Poinsettias. Plenty of sunshine and warm weather is what they like. Stock planted out in benches will require a good deal of water, especially after the plants are once well established; if at all allowed to suffer on that account, the plants will soon show the effects of it. On the other hand, too much water will have the same effect, and if there should be a bench or a part of one which after watering will remain in a wet state for 24 hours or longer, it will certainly pay to examine the dralnage, there is something wrong somewhere; and this holds good with any bench or crop, not only Poinsettias; if more attention were paid to this in general, better grown stock would be the result. You are not letting the pot plants suffer for the want of a shift? Nothing will or can do them more harm. A pot plant of Poinsettia, if well grown, ought to have leaves almost down to the pot, and the plant which is stunted on account of lack of root room is the first to lose its lower leaves, long before fire heat is required in Fall. If you have the cuttings on hand, keep on putting them into the sand, for this stock may come in very handy for made up dishes for the holiday trade. As soon as rooted pot the young plants up; and when at all established fill your pans and dishes, without disturbing the roots.

Unsalable Stock

A Quick Way to get Such into Shape Again.

There are always Ferns and small decorative stock such as Palms and other foliage plants to be found at every place where a retail business is being conducted which are not salable, and yet not bad enough to be thrown away. Such stock is bound to accumulate, and in nine cases out of ten instead of an effort being made to get it in a fair state again, it is placed underneath some bench, on account of not having any value. A good way, in fact, better than any other I know of, to get such plants into a good condition again in the shortest time possible, is to use a deep frame, one which will allow plenty of head room for the plants. A dug-out affair is the best; such a one, with a layer of about 10 inches of fresh manure in the bottom and this covered with sufficient material to allow the plant to be plunged up to the rims of the pots, is better than the best greenhouse. Cover the frame with sash, heavily shaded, and if any old Boston, Maidenhair or other Ferns are on hand, a few weeks in such a frame will bring new life into the plants. The same with Palms, Rubbers and Aspidistras, they all will be greatly benefited by the treatment. The most important thing about their culture under such conditions is the watering, a great deal depends on this. A liquid dose of cow manure applied every ten days will also help any of the above mentioned stock.

Ferns

Get Ready a Good Supply of Varieties for Dishes.

We used to raise our own seedlings of the table Ferns, such as are wanted for the filling of Fern dishes, but as with everything else, we soon found out that the specialist in this line could not only grow better stock, but at a lower price than we could. Another feature of

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.
Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.
Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seede, $6.00 per oz., $2.00 per ½ oz.
Lord Beaconsfield, $2.00 per oz., $1.00 per ⅛ oz., ¼ pkt. 50c.
I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms sand for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

Geraniums

3-in. stock, in bloom, nice bushy plants, not long, Ricard, Poitevine, Nutt, $2.50 per 100, $20.00 per 1000; 2-in. strong, Nutt, Ricard, Buchner, $12.50 per 1000, $1.50 per 100. 5000 Transplanted Cuttings of S. A. Nutt, fine strong plants, at $12.00 per 1000, $1.50 per 100, the lot of 5000 for $50.00.
COLEUS, Verschaffeltii, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Presailly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

B. E. WADSWORTH, Box 224, Danville, Ill.

Please mention the Exchange when writing.

DON'T GET LEFT
Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $5.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.
AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100
GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Chrysanthemums and Aster Seeds

Elmer D. Smith & Co.
ADRIAN, MICH.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Michell's Cold Storage

Lilium Giganteums

Sold in original case lots. When received, unpack and pot immediately. These are no longer an experiment, as many growers force Lilies all the year around. They can be brought into flower in from ten to twelve weeks if planted now.

	Price per case	Per 1000
6 to 8-inch bulbs, 400 to a case	$24.00	$60.00
7 to 9-inch bulbs, 300 to a case	24.00	80.00

Hardy Speciosum Lilies, from Cold Storage

	Price per case	Per 1000
Lilium Melpomene, 8 to 9-inch, 200 to a case	$15.00	$72.00
Lilium Rubrum, 8 to 9-inch, 200 to a case	12.00	57.00

Our Wholesale Summer Catalogue of Seeds, Bulbs, Etc. Free.

HENRY F. MICHELL CO., 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Fern trade well worth considering is variety. Most of our customers, while always in search of some real hardy Ferns, such as will stand as much abuse as possible, also like a good assortment. Here and there we have a customer who is satisfied with Pteris serrulata, a little Carex, and a Cocos for a center plant, but such a customer is really an exception. Ten or fifteen varieties are quite often made use of in a single dish, and to have a good stock of each on hand is almost impossible for the smaller retail grower who raises and wishes to depend on his own seedlings; he is far better off by buying, at this time of the year, his wants from the specialist who has tens of thousands of seedlings of all kinds ready for potting up. For the plants intended to be used during the months of January, February and March, stock ready for pots now will be too far advanced by that time; but you fill more dishes after the first real good frost has killed the outdoor flowers than at any other time of the year, and that means having a good supply of bushy Ferns for October and up to Christmas. To get a stock ready for this purpose means getting busy now with potting up small plants out of flats. Use 2 inch or 2½ inch pots. Ordinary potting soil will do nicely, any soil that is porous. Place the little plant on a side bench, with a little shade overhead, and with faithful watering you will have a fine lot ready to do business with in about two months from now.

Chrysanthemums

Planting out for Late Flowers.

Wherever really late flowers are wanted there is still time to plant out a bench of suitable varieties. Most of us have calls for 'Mums up to Christmas. Even if there isn't sometimes a great deal of money in the late fellows, it usually pays the retail grower to have on hand a fair supply up to the middle of December. A batch of Jerome Jones out of 2's, about four inches in height, planted out last year about August 9, were ready for cutting December 4, and hung on for several weeks. The last flowers brought $3 per dozen and were sold on the 21st of the month. The plants were planted six inches apart each way, in a heavy loam. While none of them could be called exhibition flowers, fully 90 per cent. were good salable stock, and no other bench paid us better. Other varieties which proved excellent for late were Mlle. Jeanne Rosette and Yanoma. There is one thing we found out by experience, and that is that it doesn't pay to plant out stunted stock, expecting it to do for late flowering. Being short a couple of hundred plants we made use of some stock which was left over from a previous planting, but the plants proved unsatisfactory in every respect and the flowers from them were not to be compared with the others; so, if you are short on what you ought to use for planting out, don't fill your benches with doubtful stock. There is plenty of good stock in the country, get some of it and start out right; this is most important, especially with late planting. When one has a chance to bench midseason and late sorts during May, stock even a little stunted has a chance to make up; but if you plant now, you should have a plant full of life, even if small, as long as it is one which will go right ahead.

Carnations

The Housing of the Plants.

With many of us, the housing of the Carnations takes most of our time. It is important work and a great deal depends on it; and the beginner should always bear in mind that the shorter the time during which the plant is out of the soil the better. There are but few plants which could stand transplanting at this time of the year as well as the Carnation can, but, while the plants may not show the effects of it to any great extent, they are bound to feel it, and the planter should do all he can to make it easy for the stock to get re-established in the shortest time possible. Among the requirements to effect this condition are the following: Have your benches ready. The soil should be in the right shape to make the planting easy. Have the houses heavily shaded, so as to keep the sun out entirely for a few days after transplanting. Have a good man in charge of the lifting; it isn't a question as to how much soil you can bring along, roots are what you want. Don't dig any more plants than you can comfortably plant. Water thoroughly, so as to settle the soil firmly between and around the roots; this watering will do for a number of days, but spraying, the lighter the better, should be kept up to assist the plants in getting established. About the planting itself: only clean stock should be made use of; get the roots spread as much as possible, working the soil in between them. Avoid deep planting and allow plenty of space between the plants.

Reminders

Take Good Care of the Outdoor Stock in Pots.

These are indeed trying days for any of the plants we grow on in pots during the Summer months outdoors. The Hydrangeas, Roses, Genistas and others can only be expected to amount to anything when faithfully attended to right along. Two or three times neglected in the watering will surely tell on the plants. Although the pots may be plunged in soil up to the rims, watering twice a day is often necessary to keep the soil moist; but even then it is advisable to examine the plants from time to time, taking one or two out of the pots to ascertain whether the water they're getting is sufficient to answer requirements. There isn't one in the long list of plants in pots outdoors which is not greatly benefited by an occasional dose of liquid cow manure, and with the above mentioned three you can give it every ten days. Encourage the Hydrangeas and Roses all you can; they should make most of their growth right now; only a few more weeks and you will begin hardening the wood again. The Genistas require shearing back now, so as to get bushy and shapely plants. Examine the roots, they may want repotting; if so, repot them, using a good rich compost loam and well rotted manure—and don't overlook the drainage, for that is as necessary as the watering.

Vegetable Plants

CABBAGE, Danish Ballhead and Surehead, per 1000 $1.00.
CELERY, Golden Self-Blanching, Golden Heart, and White Plume, per 1000 $1.00.

ASPARAGUS Plumosus and Sprengeri, 2¼-in. pots, $2.00 per 100, $17.50 per 1000. From bench, 2 years old, $5.00 per 100.
SMILAX, 2¼-in. pots, $2.00 per 100, $15.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Sommer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.
Cash with order.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

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Late Cabbage Plants All standard sorts such as Premium, Late Flat Dutch, Autumn King or World Beater, Sure-Head and Danish Ball-Head. I want you for one of my regular customers; 50 per cent. of my shipments this month have already brought second orders. I want to show you the quality I send out. Look at my reduced introduction prices: 1000 for 75c., 5000 for $3.00, 10 000 for $5.50, 100,000 for $50.00. Lettuce Plants, Grand Rapids and Big Boston, $1.00 per 1000. Parsley Plants, double curled, per 100 25c., per 1000 $1.25.
ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Trade Mark **American Spawn Co., St. Paul, Minn.**

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Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

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Prices Advertised in these Columns are for THE TRADE ONLY

Dreer's Convention Month Specials

AN INVITATION

ALL florists attending the Rochester Convention are earnestly invited to stop over at Philadelphia and visit our Nurseries at Riverton, N. J. We assure you a cordial reception and believe that you will find the visit both pleasant and profitable.

PALMS OUR LEADING SPECIALTY

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

2¼-in. pots, 1 plant in a pot, 85c. per doz.; $6.00 per 100.
6-in. pots, 3 plants in a pot, 28 to 30 ins. high, $1.00 each.
7-in. pots, 3 plants in a pot, 36 ins. high, $2.50 each.

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 ins. high, $1.50 per doz.; $10.00 per 100.
3 -in. pots, 8 to 10 ins. high, 2.00 per doz.; 15.00 per 100.
5 -in. pots, 18 to 24 ins. high, splendid plants, 75c. each.
7 -in. pots, 34 to 36 ins. high, grand specimens, $2.50 each.

Kentia Belmoreana

		Height	Per doz.	Per 100	Per 1000
2¼-in. pots,	4 leaves,	8 to 10 in.	$1.50	$10.00	$90.00
3 -in. pots,	5 leaves,	12 ..	2.00	15.00	140.00
6 -in. pots,	6 leaves,	20 to 24 in...	1.00 each.		
6 -in. pots,	6 to 7 leaves,	26 to 28 in. .	1.50 each.		

Specimen plants, 9 to 10 feet high, in tubs, $40.00 each.

Kentia Forsteriana

		Height	Per doz.	Per 100	Per 1000
2¼-in. pots,	4 leaves,	8 to 10 in.	$2.00	$15.00	$140.00
3 -in. pots,	5 leaves,	12 to 15 in.	2.50	20.00	175.00
4 -in. pots,	5 to 6 leaves,	15 to 18 in.	5.00	40.00	
6 -in. pots,	6 leaves,	28 to 30 in.	1.00 each.		
6 -in. pots,	6 leaves,	34 to 36 in.	1.50 each.		
8 -in. tubs,	6 to 7 leaves,	45 to 48 in.	5.00 each.		
11 -in. tubs,	6 to 7 leaves,	84 to 90 in.	15.00 each.		

The following are exceptionally heavy and valuable decorative plants.

		Each
14-inch tubs, 6 to 7 leaves,	7 to 7½ feet high	$25.00
15-inch tubs, 6 to 7 leaves,	7½ to 8 feet high	30.00
15-inch tubs, 6 to 7 leaves,	8 to 8½ feet high.....	35.00
16-inch tubs, 6 to 7 leaves,	10 to 11 feet high.....	40.00
16-inch tubs, 6 to 7 leaves,	11 to 12 feet high.....	50.00

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

2¼-inch pots, $1.50 per dozen; $10.00 per 100.
3 -inch pots, 2.00 per dozen; 15.00 per 100.
4 -inch pots, 3.50 per dozen; 25.00 per 100.
5 -inch pots, 6.00 per dozen (Nicely characterized.)



Cocos Weddeliana

Kentia Forsteriana

Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 inches high	$2.50
7-in. tubs, 3 plants in a tub, 38 inches high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 inches high...	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 inches high...	5.00
8-in. tubs, 3 plants in a tub, 4 feet high	6.00
9-in. tubs, 3 plants in a tub, 4½ feet high..... ...	8.00
10-in. tubs, 3 plants in a tub, 5 feet high.....	10.00
12-in. tubs, 3 plants in a tub, 5½ feet high.....	15.00
14-in. tubs, 3 plants in a tub, 6 feet high, heavy	20 00
16-in. tubs, 3 plants in a tub, 7½ to 8 feet high.....	25.00

Phoenix Rupicola

Good 6-inch pots ....$1.50 each.
Good 8-inch tubs .... 2.50 each.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Per doz.	Per 100
3-in. pots, nicely characterized.....	$3.50	$25.00
4-in. pots, nicely characterized.....	.60 each.	
5-in. pots, nicely characterized.....	1.25 each.	
6-in. pots, nicely characterized.....	2.00 each.	

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

ARAUCARIAS

Araucaria Excelsa

(Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

			Each
4-in. pots,	5 to 6 inches high,	2 tiers	$0.30
5-in. pots,	10 to 12 inches high,	3 tiers.....	.60
6-in. pots,	13 to 15 inches high,	3 to 4 tiers.....	.75
6-in. pots,	14 to 16 inches high,	4 tiers	1.00
7-in. pots,	16 to 18 inches high,	4 tiers	1.25

Araucaria Excelsa Glauca

			Each
5-in. pots,	8 inches high,	2 tiers	$0.75
6-in. pots,	10 to 12 inches high,	3 tiers	1.00
7-in. pots,	13 to 15 inches high,	4 tiers	1.50

Araucaria Robusta Compacta

			Each
6-in. pots,	8 inches high,	2 tiers	$1.00
6-in. pots,	10 to 12 inches high,	3 tiers	1.25
7-in. pots,	12 to 14 inches high,	3 tiers	1.50

FINE FERNS

Nephrolepis Scholzeli

(Crested Scott Fern)

A sport from Scottii, possessing all the merits of that most popular variety, but with the pinnæ sub-divided, giving it a neat crested appearance.

2¼-in. pots, $1.25 per doz.; $8.00 per 100; $75.00 per 1000.

Asplenium Nidus Avis

(The Bird-Nest Fern)

A nice thrifty lot in 3-inch pots, 30c. each, $3.00 per dozen.
4-inch pots, 40c. each; $4.00 per dozen.
6-inch pots, $1.00 each.

Ferns in Flats

These flats contain about two hundred plants each, only one variety being in a flat and we cannot supply less than a full flat of any one sort. Price, $2.00 per flat.

Adiantum Cuneatum
Aspidium Tsussimense
Aspidium Tsussimense Cristata
Cyrtomium Falcatum
Cyrtomium Fortunei
Lastrea Chrysoloba
Lastrea Aristata Variegata
Lomaria Ciliata
Pteris Adiantoides
Pteris Cretica Magnifica
Pteris Cretica Wimsetti Multiceps
Pteris Ouvrardi
Pteris Wilsoni

Nephrolepis Giatrasii

This variety, introduced last Fall in a very limited way, has proven to be a gem, especially where a perfect specimen is desired in a small size. It will develop beautifully in a 3, 4 or 5 inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse; and it is also fine for fern dish work when grown in 2¼-inch pots.

$2.00 per dozen; $12.00 per 100; $100.00 per 1000.

Mixed Ferns for Dishes

We have at all times a good supply of these.

2¼-inch pots, $3.50 per 100; $30.00 per 1000.

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

Our staff of travelers will be in attendance at the Rochester Convention and will be pleased to show you samples of the above and many other specialties which we will exhibit.

HENRY A. DREER, Inc., 714 CHESTNUT STREET, PHILADELPHIA, PA.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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American Beauty
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Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

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64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
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From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

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Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.

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Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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500,000 California Privet
FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

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I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

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Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor
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Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

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Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality

Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

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ROSE STOCK

3000 4-in. **American Beauty,** at 15c. each.
2000 each, **Brides, Bridesmaids, Richmond;** 1000 **Rhea Reid,** 300 **Ivory;** all own root, at 6c. each.

CHRYSANTHEMUMS

Our selection, good commercial varieties, at $3.00 per 100; $25.00 per 1000.

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GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

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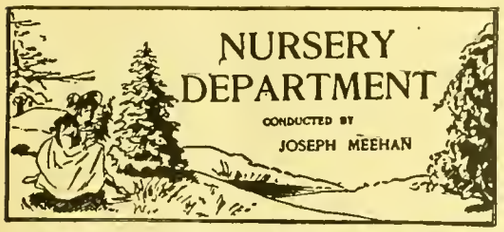

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

TROY, O.—The Southwestern Nursery Co. has increased its capital from $10,000 to $25,000.

AUBURN, ALA.—Prof. R. S. Mackintosh, for several years professor of horticulture and forestry at the Alabama Polytechnic Institute and State horticulturist, has accepted a position at Pennsylvania State College as head of the department of Peach culture. P. F. Williams, assistant professor of horticulture, will succeed Professor Mackintosh, both in the chair of horticulture and as State horticulturist. J. C. C. Price, instructor in horticulture, becomes assistant professor. Professor Mackintosh is, to nurserymen and others of Alabama, one of the most familiar figures of the State. He has been prominent, since the organization of the Alabama Horticultural Association, in the workings of that organization.

Flowering of the Cedrela

The earlier planted trees of the Cedrela sinensis have been flowering for a few years past, but as the first plantings were only few it has not been the good fortune of many persons to see this tree in flower. It is an early Summer bloomer, the flowers being in perfection in the early weeks of July. These flowers are of a greenish white, displayed in immense drooping panicles, the panicles two to three feet in length; and in good seasons they are produced in abundance, making of the tree a curious and most interesting object.

Its flowering is at a season of the year when but few trees bloom, which is much in its favor.

When first introduced it was much praised as a valuable tree for the street, and this claim appears good for it; but it would need to be on a wide street, for its growth is of large dimensions. It would suit very wide avenues, for not only does it grow tall but it also spreads very much. Whether or not its habit of shedding its bark on its older branches would be against it needs considering. The Oriental Plane does this, and no one seems to mind it; so does the Red Birch and the Shellbark Hickory. In the case of the Birch, when on a lawn, its ragged trunk is thought to be interesting, and it is rarely thought an objection.

It is believed this Cedrela will prove a valuable tree for the seashore, as it makes roots which penetrate deeply, a great help to trees set out in sandy soil. Having compound leaves too, they give to heavy winds, thus escaping the injury those of a large, stiff nature receive from ocean gales.

Hardy Privets

The month of July brought with it the pruning of Privet hedges, the second clipping being called for toward the 15th, when extra neat hedges are looked for. But we wish to call attention to the increasing demand for the Ibota Privet for the colder parts of our country. In the States where the Californian can be grown without Winter killing it is of no use talking of the use of Ibota in its place, the Californian is in every way the better one; but after passing New York City, unless near the Coast, it cannot be relied on to Winter unharmed.

Ibota has not as green a leaf as the other, neither does it hold the leaves so late in the season, but it is hardy, and it grows quickly and makes a good hedge; and to those who propagate Privets to sell there should be as good a field for sales for it in the North as there is now for the Californian one South.

Another hardy Privet of much merit is the Regelianum. This is the one of spreading habit, making branches which droop to the ground, its horizontal spread being usually greater than its upright one. It is of such a pretty growth that, often, it is let grow unpruned, or pruned but little, for its bushiness seems natural to it. Not many hedges are seen of it as yet, but more will be planted eventually, when its use in this direction becomes known. A few years ago there was a model hedge of it on the Thaw estate, at Pittsburgh, where its beauty was much admired; and the fact of its thriving well there speaks well for its hardiness. In the vicinity of Philadelphia it is often seen as single specimens on lawns, but hedges of it have not yet been planted, or to but little extent.

If Philadelphians would take up the evergreen one, Japonicum, for their own hedges, and for those south of them, they would have a good thing, as it is a true evergreen.

Are Black Hamburg Grapes Hardy?

From a reader of the EXCHANGE living in Maryland the question comes to us whether the Black Hamburg Grape may be considered hardy in that State. Surely it may. All the so-called greenhouse Grapes in the North, such as the Black Hamburg, Muscat, Chasselas and the like, are hardy here. The trouble with Black Hamburg in the past has been with the fungus attacks it suffers from, destroying its foliage when unchecked; but in these days of fungus destroyers of all kinds, there should be no trouble in keeping all such diseases in check. Bordeaux, or arsenate of lead would keep the foliage healthy.

As the writer has said in these columns before, he has grown and fruited the Grape in question outdoors, and had it ripen its fruit, but in flavor it was far inferior to the fruit from greenhouses, or from California, but this may have been because the time being before the use of Bordeaux was as well understood as now, he relied more on the old remedy, common sulphur, to protect the foliage of the vine, and this it did, but not as perfectly as the newer solutions would have done.

It is, however, an error for anyone to think this class of Grape, the Vitis vinifera, is not hardy; and as, when properly ripened, the flavor of the fruit is so much better than that of any other, our correspondent, and others as well, should set out a vine or two of the various varieties and give them a fair trial, by bagging the bunches and spraying the vines.



Syringa vulgaris alba plena Mme. Lemoine

Golden-Flowered Trumpet Vine

Tecoma radicans, the common Trumpet Vine, is well known in collections, as well as in a wild state, in many places, but the newer one, a variety of the other, with yellow flowers, seems but little known as yet. It seems to be well worth cultivating. It is not merely something different from the old type without merit. It both differs and has merit too. The flowers are of a good yellow color, of the same shape as the common radicans; and where planted near the latter the crimson flowers of the one and the yellow of the other are brought out more prominently by the contrast.

This yellow one could be increased by grafting it on roots of the common one, but as it can be grown in the way all Trumpet Vines can, by root cuttings, it is the better and safer way. When grafted, it sometimes makes confusion in collections; propagators, not knowing it is grafted, proceed to make cuttings of its roots, and a lot of spurious sorts are sold unknowingly for pure stock.

Some may imagine this new yellow one to be but the Chinese one, grandiflora, but it is not. Grandiflora, though not as good a crimson as radicans, is by no means a yellow one such as the new one is.

The Flowering Ash

Ash trees are rarely thought of as "flowering trees" for the planter, yet many of them, the European, Fraxinus excelsior, for one, is well worth looking at when in flower; then there is another, the too little known F. Ornus, which is so pretty that its popular name is the "Flowering Ash." At one time it was thought to belong to a distinct genus, and was known as Ornus Europæa, but it is now included under Fraxinus. The seeds alone would proclaim it an Ash if this was all that was needed, having the distinctive looking seeds of all the family.

It is its beautiful flowers that make it so valued as an ornamental tree. These come in clusters, are greenish white in color, a dozen or more little clusters forming a bunch, each cluster not unlike expanded catkins of the Pussy Willow. It does not require to be a large tree before flowering; small trees of no more than 8 to 10 ft. high will often be loaded with flowers in late May or early June, and at such times are objects of much interest.

This Ash seeds freely, and if the seeds are sown soon after being gathered in Autumn they grow in Spring, but if kept dry over Winter and sown in Spring, though quite good, they will not sprout for a year. Another method of increasing them is to bud or graft them on the stock of the European or some other Ash.

Double White Lilacs

Not only have single flowered white Lilacs advanced greatly in variety and beauty, in late years, but in the estimation of those who prefer double sorts there are varieties of these surpassing all other white ones. That of our illustration is one of the older varieties of the double white Lilac. It is Madame Lemoine. This, and Madame Casimir Perier, have been in collections for many years, and while there are others, some of which may be better, it is safe to say neither of these will disappoint anyone.

Many of the older florists will remember when but the common purple and the common white were the only kinds from which flowers could be had for their work; and even today the larger bushes from which they get their flowers are of these two sorts. But there are many florists now who have plantations of their own of Lilac bushes, and these contain the newer sorts, mainly, though the older kinds, being larger bushes, are still retained by those who have them. There is always a sale for Lilac flowers in our large cities, everyone who can afford it—and nearly everyone can—desiring to take home a bunch of them.

A great impetus was given to the cultivation of the Lilac for florists' use when it was found how readily varieties could be increased by budding them on the California Privet. This permitted of a rapid increase of stock, and such plants as resulted flowered earlier than those on their own roots; and if set deep enough, so that the budded part was well below ground, the plant in the end became established on its own roots, making them from the Lilac wood. The budding of Lilac on the Privet is usually performed in September, the sap in the Privet running very late in the season.

A State Engaging in Trade

One of our seedsmen enquiring of a seed collector for seeds of a certain Pine, was informed that the collector would be able to procure some for him provided the forester of an adjoining State did not sweep up the entire crop of cones, as he had done the previous year. On the invasion of the public forests of a State by the officials of another, as in this case, we have no comment to make at this time, but it opens up the question of the right or wisdom of a State to interfere with the business of the nurserymen and seedsmen residing within its bounds, as acts such as this of the forester referred to may be termed. What was to be done with the seeds of the Pine in question is unknown to the writer; but it is not many years ago that the agricultural college of one of the eastern States distributed a circular stating that it had raised a lot of White Pine seedlings and that these could be had by the farmers of the State at cost price. Here was a case of direct injury to the nurserymen who raised seedlings for sale. Presuming the cost of producing the seedlings was the same to both parties, purchasers of the plants could well refuse to buy of the nurseryman, as his recompense for his work would have to be added to the cost, making the price higher than that of the State.

A State might just as well engage in producing cattle, and many other things which, in its wisdom, it might think the farmers should possess, at cost.

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10,000 STRONG ROSES "TAUSENDSCHON," extra strong, long canes; at a bargain.

2,000 ROSES "LADY GODIVA," a new climber, very fine, creamy white and red.

Also: BOXWOOD, RHODODENDRONS, AZALEAS, PEONIES, CONIFERS, ROSES, H. P. and others, at very low prices. Standard ROSES, etc., etc. Ask for special quotations. We deal with the Wholesale Trade only. Come and see us when in Europe.

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 7s cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

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Rose Plants

1200 BRIDES, at $40.00 per 1000.

1500 BRIDESMAIDS, at $40.00 per 1000.

1000 Mixed Brides and Bridesmaids, at $30.00 per 1000.

All fine stock, well-grown for own use.

500 Beaute Poitevine Geraniums, 4 inch, $5.00 per 100.

Cash please with order.

LLEWELLYN, Florist, Olean, N. Y.

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Brides and Bridesmaids

2¼-in. $2.50 per 100; $25.00 per 1000

Numerous other good sorts in prime stock.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

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CALIFORNIA PRIVET IS MY SPECIALTY

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man

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ATLANTIC HIGHLANDS, N. J.

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Our Seventeenth Year. Prices Right.

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ENGLISH IVY

Strong, Bushy, Field-Grown Plants

READY IN SEPTEMBER

$6.00 per 100.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Buffalo

This is the season for vacations and the proprietors are getting as much time off as possible.

Mr. and Mrs. W. J. Palmer are still touring aronnd this section with their 50 horsepower Pierce Arrow car.

Frank Smith of Smith & Fetters, Cleveland, stopped here on his way East; he has a big high powered Studebaker car and will tour the Berkshire Hills, stopping off on his way back at Rochester at the time of the convention.

Mr. and Mrs. James Longley are spending their honeymoon at Niagara on the Lake, Ont.

W. A. Adams of S. A. Anderson will spend two weeks at Port Maitland; being a supervisor it is not a very easy matter to get away from his constituents.

George McClure, Jr., will explain his final plans for the Fall flower show, should we have one, at the meeting this week.

L. H. Neubech, captain of the bowling team, is picking out the men who will represent the Club at the convention.

The Club expects to make a good showing at Rochester; we expect to go there in a body. W. H. G.

San Francisco

The Market

Still another week has passed with very little change in market conditions. Supplies are in most cases abundant, with prices uncertain and very variable. Carnations are plentiful, but the quality of the blooms is very poor indeed, and low prices are the rule. Roses are very scarce and blooms of any quality sell well at good prices. A few nice American Beauty are still coming in and they clean up rapidly. Other Roses to be seen in limited quantities are My Maryland, Kaiserin and Killarney. Gladioli are quite prominent in the stores at present, and seem to sell well. Lily of the Valley is plentiful and good average prices are the rule in this line. Some nice bunches of Stephanotis may be seen this week in the stores, and apparently take well with the flower buying public. Orchids are very scarce; a few nice Cattleya gigas are still to be had, also Cattleya Dowiana. Phalænopsis amabilis continues in supply; this is an Orchid which practically flowers all the year round with us, and is undoubtedly one of the most useful commercial Orchids in cultivation. In green goods, Asparagus and Adiantum are overabundant and move slowly.

Various Notes

William Wern of Wright's Flower Store, Los Angeles, accompanied by Mrs. Wern, is spending a week in San Francisco. Mr. Wern, who was married quite recently, is combining business with pleasure on his honeymoon trip.

Lee L. Gray of Fresno is in town on a brief visit.

A great display of tuberous Begonias is to be seen in the Golden Gate Park conservatory at present. Many thousands of these useful plants have been grown this year, and they clearly show the effects of good cultivation.

H. Plath of Ocean View is building another large house, to be used for the cultivation of Ferns, for which class of plants he has a well deserved reputation as a successful grower.

The California Evergreen Co. has been putting up some very effective decorations in San Francisco, in connection with the Native Sons celebrations.

The annual exhibition of the Pacific Coast Horticultural Society will be held this year under the joint management of the Pacific Coast Society and the State Floral Society.

The MacRorie-McLaren Co. has started to build its new lath house, over 180,000 laths will be used in its construction.

Luther Burbank will make a great display of his fruit and flower creations at the great Apple and product show to be held in Sebastopol next month, which will be opened by Governor Gillette. In order to help make the fair the biggest kind of a success, Burbank has consented to make the display, particularly as his experimental farm is in the vicinity of the exposition grounds. It will probably be the most complete show of Burbank products ever gotten together.

Over 200 members and their friends, attended the annual picnic of the Pacific Coast Horticultural Society at Camp Taylor, Marin County, on July 24. The outing was the most successful picnic ever held by the Society and much credit is due to Chairman Pellicano for the able way in which matters were arranged.

WM. McM. BROWN.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, Pacific Supreme, Ivory, Lulu and Klondike, 2½-in. pots, $3.00 per 100.

BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.

SALVIA Bonfire, 3-in. pots, $3.00 per 100.

PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen.

ACALYPHA, 3-in. pots, $4.00 per 100.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

MOSCHOSMA riparium, 3-in. pots, $5.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

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VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

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CROTONS

Some extra large four inch stock, first class varieties, ready to shift into five inch pots, at 25 cents each.

75,000 FERNS ready in September.

R. G. HANFORD, Norwalk, Conn.

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ASPARAGUS SPRENGERI

Strong, from 2-in. pots $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant)

2-in. very fine, from seed, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Smilax Plants

Strong plants from 2 inch pots, $1.00 per 100; $9.00 per 1000.

R. KILBOURN, Clinton, N. Y.

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Smilax—Asparagus—Geraniums

SMILAX, 2¼-in., $2.00 per 100; $18.00 per 1000.

ASPARAGUS Sprengeri, 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUMS, S. A. Nutt, 2¼-in., $2.00 per 100, $18.00 per 1000. Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	Per 100
STEVIA, rooted cuttings, by mail, prepaid	$0.75
CHINESE PRIMROSES, 2-in.	2.00
PRIMULA FORBESII, 2-in.	2.00
PRIMULA Obsonica, Alba, Lilac, Rubra, Hybrida, and Rosea, 2-in. pots, $2 per 100; Gigantea, Carminea, and Kewensis, 2-in. pots, $3.00 per 100.	

Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

DRACAENA Indivisa, 4-in. 10c., 8-in. 5c., 5-in. 20c.

CANNAS, 3-in., Egandale, Harum and Marlborough, 3c.

SALVIA, 3-in. 3c., 4-in. 5c.

VINCAS, 4-in. 8c., 5-in. 12c.

ENGLISH IVY, R. C., Green or Variegated, 75c. per 100.

ASPARAGUS Sprengeri, 2-in., $1.75 per 100.

SMALL MIXED FERNS, 2-in. 2c.

J. H. DANN & SON

Westfield, N. Y.

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Henderson's Superior Bulbs For Autumn Planting

HYACINTHS, TULIPS, NARCISSUS LILIES, CALLAS, FREESIAS LILLY OF THE VALLEY, SPIREAS, ETC.

The largest assortment of varieties and the best bulbs imported into America

Our Wholesale Catalog of Bulbs (ready August 1st) will be mailed to Florists on application

Henderson's Bermuda Easter Lily Bulbs—Lilium Harrisii

Now Ready for Shipment

First Size Bulbs. (5 to 7 inches in circumference.) 400 bulbs in a case. Per doz. 60c., per 100 $4.50, per 1000 $40.00.

Intermediate Size. (6 to 7 inches in circumference.) 350 bulbs in a case. Per doz. 75c., per 100 $5.50, per 1000 $50.00.

Extra Size Bulbs. (7 to 9 inches in circumference.) 200 bulbs in a case. Per doz. $1.25, per 100 $9.00, per 1000 $85.00.

PETER HENDERSON & Co., 35 & 37 Cortlandt St. NEW YORK

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Los Angeles, Cal.

This season, to date, has been unusually dry in southern California. This may seem a strange announcement to readers of these notes, wherein the statement has repeatedly been made that we have no rain from May 1 to October 1, which to an Eastern gardener would seem to be about as dry as it is possible for weather to become. During these Summer months we usually have fogs of greater or less density, from 6 or 7 p.m. of one day to 9 or 10 a.m. of the next day, but these fogs have failed to put in an appearance this year. The difference in these climatic conditions has a very marked effect on crops grown without irrigation. Corn, Beans, Pumpkins, Melons, Tomatoes, and even Cucumbers are successfully and profitably grown, without irrigation, on heavy soils, if these fogs prevail during the season, and the crops are thoroughly cultivated. This season, however, I shall not have half as much fodder, and certainly not more than half as much field Corn on the same amount of ground planted to this same cereal last season. Pumpkins will not be one-fourth the crop; indeed, unless fogs come soon the plants will perish, and Cucumbers will be an absolute failure. The drouth resistant Egyptian Corn, so extensively grown on this Coast, will also be a failure. Watermelons show their superiority over all other vegetation to bear fruit under such conditions.

Sunday, July 17, and the Monday following, were characterized by showers along the Coast, and enough rain fell inland, for 15 to 20 miles, to cause the inhabitants to take notice. A Summer shower in southern California! A novelty indeed, and as keenly enjoyed as the first snowstorm is in the East by healthy children. Six years ago, in August, we had a sure enough thunderstorm and a deluge of rain in Los Angeles, but nowhere else about here. These unexpected variations in the weather break the monotony of perpetual sunshine, gentle zephyrs and abundant dust, and afford a topic of conversation for a week after they occur.

Seedsmen in Los Angeles have been closing their houses on Saturday afternoons since July 2, and will continue to do so until September 1, and that, too, without detriment to their business. From October 1 to May 1 these same tradesmen are a busy lot. The operations in garden, orchard and farm are not interrupted by cold weather, and some varieties of seeds or plants are put into the ground the entire time.

Charles Winsel and his family are spending their Summer at Redondo Beach, one of the many seaside resorts contiguous to this city, and the only one where moonstones are found. Last year I had 85 Russian children to this resort one day, through the kindness of what is known as the "Balloon Route Excursions." A Russian name to people who speak only the English language is unpronounceable, therefore, to guard against loss we numbered the lot. So eager were these children in search of moonstones that they were soon loaded down with pebbles, and after spending an hour or two there they were wet to the skin, boys and girls alike, from the billows that swept the sands. We then boarded the car, and had proceeded on our journey two miles when, on taking count, it was discovered that No. 85 was missing. We backed up and found it to be a nine-year-old lad, thoroughly frightened. I may say here that this Balloon Route Excursion is one of the features of social and civic life of this city, which, while it caters to the public for profit, its management takes the aged and infirm of our "old folks' homes," and the children of all our orphanages, every Summer on an outing to the beaches, free of charge, and provides them with refreshments.

Theodore Payne, our native plant seed collector, and authority on Eucalyptus nomenclature, has, up to the present time, this season collected 1800 lbs. of seed of the various varieties of this valuable timber tree on this Coast. He cut down one grove of E. tereticornis for the seed and the lumber. He cut 1100 ft. of veneering and 6000 ft. of one-inch boards from the logs. It has been learned from experience that all California grown Eucalyptus seed is of greater vitality and germinating power than that which we import. E. tereticornis has proved itself to be adapted to a greater range of climate than any species yet tested on this Coast, and at the same time it is a wonderfully rapid grower. There is one fact relative to hardwood timber growing which our arboriculturists lose sight of, if they ever saw it at all, and that is that it requires time, at least a quarter century, to produce a wood of close texture and enduring quality. Until they arrive at that age, trees will be soft and sappy. Eucalyptus grove promoters, and "get rich quick schemers" in hard wood growing to the contrary notwithstanding.

Edwin Lonsdale, superintendent of the new seed farm of W. Atlee Burpee & Co. at Lompoc, visited this city on July 25. No attempt was made to show him any other than the nursery and greenhouses of Howard & Smith at Montebello, and H. E. Huntington's private place near Pasadena. It is to be presumed that he will give the readers of the EXCHANGE his observations on both places. He left for home the following day giving us his solemn promise to come back after the Sweet Pea harvest and stay a week. Neither he nor any other man can take in a comprehensive view of plant life, as it is grown here, in two weeks. There is a limit to mental endurance as there is to that of the physical. We may look and see for a certain length of time with profit and pleasure, after which we become satiated mentally, and it is wisdom to desist in sight-seeing.

Wm. Niel Campbell, the Pasadena seedsman, has bought an acre of land in that beautiful city, on which to conduct experiments in growing plants, try out novelties, and bed out any surplus bulbous stock that he may have at the close of each season. The investment in itself is a good one, and will be the means of adding to Mr. Campbell's extensive knowledge of plants by personal experience. The members of the Pasadena Gardeners' Association, every one of whom is a skillful gardener, stand together and try out every novelty presented to the public, every year, and relate their experiences at their semi-monthly meetings. Yet, helpful as they are to Mr. Campbell, he understands that there are a thousand and one little contingencies arising in garden experiments which make for their success, or failure, which no gardener ever thinks worth while to mention.

Wm. Hertrich, superintendent on the Huntington place, set out 500 plants of Piejo Sellowiana three months ago and they are looking fine. This is an introduction to this country from Argentina by that plant enthusiast, Dr. Franceschi of Santa Barbara, and it will be a living monument a century hence to his tireless energy, because of its economic and ornamental value. The flowers are beautiful, the foliage clean, and the fruit, though unattractive in appearance, is of a very superior quality, with a flavor all its own.

The legal difficulties which have existed between Dr. Franceschi and the Southern California Acclimatizing Association—it is to be hoped that a more abbreviated name will be found for this nursery—have been amicably settled, which is a matter for rejoicing on the part of every nurseryman and seedsman on this Coast. Both parties to this controversy are highly esteemed by all their acquaintances, both are invaluable members of society in their communities, both are doing good work in the development of this State in floriculture, therefore this happy termination of the contest is welcomed by all members of the gardeners' fraternity in this State.

George C. Watson who has been with the Wolfskills of Los Angeles for 30 years, has leased their large range of houses, 100,000 sq. ft. of glass, which he will devote entirely to Carnations. The houses are equipped with first-class heating apparatus; the fuel used is crude oil, fed to the burners by gravity from a reservoir on the hill side, some distance away. Mr. Watson is well advanced with his planting and the stock has never been in better condition. Delightful as is our climate, and great as to the quantity of Carnations grown in the open, grown under glass where climatic conditions are under control of the grower finer flowers are produced than is possible in the open both in size and substance. Moreover, thrip abound in the open to such an extent that the colored varieties are in appearance like unto the flocks of Jacob, ring streaked, speckled and spotted, while the white sorts have a limp and ragged appearance from the ravages of these insects. We all wish our brother in the trade success beyond his highest expectations. That he can grow good stock, there is no question.

P. D. BARNHART.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10.



Gardeners and Florists' Club of Boston at their Annual Picnic

G. and F. Club of Boston's Outing

This much talked of event took place at Pine Bank Park, Malden, on July 27. The attendance was larger than at any previous picnic and the day, as to weather was ideal in every respect. At the opening hour, 10 a.m., there was quite a large crowd, and by luncheon time over five hundred persons were on the ground. It was a most gratifying gathering and we were especially pleased to see all branches of the trade well represented with the exception of the retail branch, the members of which always stay at home; they could easily spare one day to mix with the craft and enjoy the fresh, invigorating air and scenery of this fine rural park.

Pine Bank Park is an ideal place for a picnic; the scenery is simply delightful and the fine trees gave sufficient shade to those who did not wish to stand out in the glaring sun to see the games. The Club never had a better place to hold its games and the large, open field gave ample room for running off two or three events at the same time, without danger of interference. The games were keenly contested and there were sports and prizes provided for young and old, fat men and lean men, small boys and large boys, married ladies and single ladies; in fact, for almost all classes.

The baseball game and the tug-of-war were the most exciting of all the events. The baseball game, between the commercial men and the private gardeners, was keenly contested, and the result was that the commercial men won by a score of 5 to 2. The commercialists were captained by A. E. Walsh, who had his men in grand trim, and the privates were captained by R. W. Curtis. The tug-of-war was won by the private gardeners. The commercial men put up a hard battle but the sturdy, brawny men who use the spade were almost invincible. The fat men's race was of special interest, and although some of the competitors had crossed the three score mark they ran remarkably fast.

M. A. Patten had his hands full judging the babies. It was pleasing to see Mrs. E. M. Gill, who celebrated her eightieth birthday a few weeks ago, enjoying herself among the boys and girls.

The judges were Wm. J. Stewart, Kenneth Finlayson, Thomas H. Westwood, James Wheeler, A. F. Barney and George Shields, who were kept busy all day and gave entire satisfaction. W. J. Kennedy was ringmaster; Edward Rose, starter; William McGillvray, handicapper; W. N. Craig, clerk; James L. Miller, umpire; William E. Cahill, scorer. The list of sporting events and winners were as follows:

Baseball, Commercial versus Private Gardeners—Commercial, 5; Private, 2.

Baseball, boys 16 years and under—Westwood team, 8; Hall, 3.

100-yard race, handicap—1, William Iliffe; 2, T. S. Brown.

100-yard race, boys under 15 years—1, Thomas Iliffe; 2, Thomas Lally; 3, Arthur Whyte.

50-yard race, married ladies, handicap—1, Mrs. Fred Coles; 2, Mrs. Harry Woods; 3, Mrs. Kirkegaard.

Quoit match—1, Duncan Finlayson; 2, William Munro; 3, Kenneth Finlayson.

50-yard race, handicap, girls under 8.—1, Marion Iliffe; 2, Frances Terry.

High jump—1, J. Comerford, 5 ft. 1 in.; 2, W. J. Collins.

Flag race, girls under 15—1, Martha Lally; 2, Edith Iliffe.

Putting 16-lb. shot—1, J. Comerford, 38 ft. 3 in.; 2, John Reid; 3, Wm. McGillivray.

Flag race, married ladies—1, Mrs. Fred Coles; 2, Mrs. H. F. Woods.

50-yard race, unmarried ladies—1, Harriet Coles; 2, Alice Iliffe; 3, Louise Eisenhardt.

Sack race, men—1, T. S. Brown; 2, W. J. Collins; 3, N. H. Bartsch.

Sack race, boys—1, Thomas Westwood; 2, Jack Sisson; 3, Thos. Iliffe.

240-yard race, men—1, W. J. Collins; 2, J. Comerford.

Fat men's race—1, John Lally; 2, Daniel Iliffe; 3, J. S. Smith.

Broad jump—1, W. J. Collins; 2, H. Coles.

Three-legged race, men—1, Collins and Reid; 2, Palmer and Iliffe.

Three-legged race, boys—1, T. Westwood and J. Sisson; 2, Walter Westwood and F. Hargraves.

Half-mile race—1, John Reid; 2, David Burns.

50-yard race, boys under 8—1, Archibald Terry; 2, Prescott Whyte.

Tug-of-war, 11 men on a side, Commercial versus Private Gardeners; captains: Thomas Peglar, Commercial; Duncan Finlayson, Private Gardeners—Private Gardeners won.

Special consolation prizes for girls and boys under 12—Girls: 1, Margaret Iliffe; 2, Theresa Lally. Boys: 1, Fred Holbrow; 2, J. Riggs.

Babies (Judge, M. A. Patten)—Wm. Sim's, W. E. Fisher's, Frederick Cole's, and Mrs. Boyle's.

There was an unusual lot of valuable prizes, the donors being the following: Schlegel & Fottler Co.; R. & J. Farquhar Co.; Braman, Dow & Co.; Fottler-Fiske-Rawson Co.; Duncan Finlayson; M. A. Patten; H. M. Robinson & Co.; Boston Plate & Window Glass Co.; P. J. Turley; Daniel Iliffe; Henry Penn; William Patterson; W. E. Fisher; W. H. Elliott; T. J. Grey & Co.; W. N. Craig; A. Leuthy; E. A. Browne; Joseph Breck & Son; Lord & Burnham Co.; Eber Holmes; Thomas Peglar; New England Nurseries; William Sim; William Downs; John P. Shea; A. T. Stearns Lumber Co.; H. E. Fiske Seed Co.; Stumpp & Walter Co.; A. H. Hews & Co.; W. B. Whittier & Co.; and W. McLaughlin.

Ringmaster W. J. Kennedy did his work nobly and there wasn't a hitch from beginning to end. All the officers and committees did everything in their power to make the whole thing a success and they are to be congratulated on the best picnic the Club has ever held.

R. C.

Florists' Club of Washington, D. C.

Presuming upon his great value to human life, and especially to florists, Old Sol got up early, spent all morning getting up steam, then put on a double header in honor of the Club's annual outing on July 26 to the Great Falls of the Potomac, when two special trains of two coaches each pulled out from Georgetown at 2.30 p.m.

Florists, their mothers, wives, children and sweathearts, in goodly numbers, each wearing a big smile, united as one large family in making this, their fourth, outing one of the most enjoyable. The committee consisting of W. W. Kimmel, Geo. C. Shaffer, Otto Baur, O. A. C. Oehmler and E. C. Mayberry, in whose hands all arrangements had been placed by Pres. Robertson, simply covered themselves with glory and perspiration; yet ample remained for at least one other florist who "tooted his own horn" as official announcer of events. The trains were well decorated with Oak boughs, lanterns, and American flags. As they advanced, cinders from the little engines were fanned vigorously from one to another by highly ornamental paper fans of two types, one the "Betsy Ross," the other "the flag," but each on the reverse sides bearing full program of events and the names of those donating prizes. The Falls were especially beautiful, but there was a fountain of youth hidden away among the trees upon which there was no restriction or age limit; but of course no one wanted to appear old and thus adopted the precautionary measure. In the mean time, children and the ladies enjoyed the shade and disposed of the pop corn which had been given out en route, then proceeded to a nearby booth where their tickets for soft drinks, cake, ice cream, etc., were redeemable until over the din of merry voices came the melodious voice of Nat Hammer, through the conducting medium of an improvised megaphone liberally covered with advertising matter—a new idea, but worthy of mention—informing the crowd that the "events" were in order. There was a quick response from the eagerly awaiting youngsters and their parents. The games resulted as follows:

Potato race, for girls 12 years and under—1, Agnes Barry, box of candy donated by Otto Baur; 2, Daisy Wunder, box of candy by Geo. H. Cooke.

Potato race, for boys of 12 and under—1, Willard Oliver, 2, Marion Hodgson, boxes of candy donated by Edw. D. Schmid.

Potato race, open to all—1, Milton Redman, suspenders donated by Jno. Robertson.

Potato race for ladies—1, Miss Mabel Everett, purse by Peter Bisset; 2, Miss Edna Brooks, box of candy by Geo. H. Cooke.

Flag race, open to girls of 12 and under—1, I. R. Dixon, parasol by W. W. Kimmel; 2, Della Goddard, box of candy by Geo. H. Cooke.

Potato race, for boys of 7 and under—Claire Dixon, foot ball by Geo. C. Shaffer.

100 yard dash, for young men of 18 and under—Saml. Everett, card case by W. A. Bolinger.

25 yard dash for ladies—Miss Everett, belt by Theo. Deitrich.

100 yard dash for young men, 18 and under—Milton Redman, watch, by E. C. Mayberry.

50 yard dash, for girls of 10 and under—Agnes Barry, gloves by Geo. H. Cooke.

50 yard dash, for boys of 12 and under, handicap—Hiram Kimmel, baseball gloves by W. H. Ernest.

50 yard dash, for members only—Geo. C. Shaffer, penknife by J. G. Schottmyer.

Putting ball in basket, open to married ladies only—Mrs. Neidnanskie, prize not known but donated by F. H. Kramer.

Putting ball in basket—Mrs. Russell, handkerchief case by O. A. C. Oehmler.

Putting ball in basket, for unmarried ladies only—Miss Barry, hand painted parasol by Mrs. Harry Ley.

Guessing contest, open to all—(This was novel and consisted of guessing the number of flowers contained in a sealed box). 1, E. C. Mayberry, pocketbook; 2, Mrs. Gust, box candy; 3, Wm. Walker, the flowers in the box, all prizes by Gude Bros. Co.

Quoits, doubles—Geo. H. Cooke and Sam'l Simmons, neckties for each donated by J. J. Bickings.

Quoits, singles—not played owing to late hour.

By the time the games were ended darkness had settled down upon the place and supper was in order, many friends assembling together and partaking of supplies from well filled baskets which they had provided, while a large number entered the public café, with the following from Baltimore as their guests, who had come over for the outing: Mr. and Mrs. Chas. L. Seybold, Mr. and Mrs. Perry, Mr. and Mrs. Borm, Mr. and Mrs. F. G. Baur.

After supper the light fantastic was tripped upon the airy pavilion, during which time vari-colored search lights were thrown upon the Falls and surrounding country; and at 9.35 the first special train left for Washington, with a portion of the well satisfied participants who indulged in song and good cheer over the 16 miles of road. Despite the fact that this was the fourth outing to Great Falls no one enjoyed it any the less.

Most of the Washington florists' stores closed for half a day and the appreciation of employees was manifested by the number present.

JAS. L. CARBERY.



At the Washington Florists' Club Picnic—Some of those Present

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Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10.

New York Delegation to Rochester Convention

Among those who have already signified their intention of joining the New York delegation to the S. A. F. Convention at Rochester are the following:

Mr. and Mrs. W. H. Siebrecht; Mr. and Mrs. W. H. Siebrecht, Jr.; Mr. and Mrs. L. Schmutz; Mr and Mrs James Dean; Mr. and Mrs. C. H. Totty; Mr. and Mrs. F. H. Traendly; Mr. and Mrs. J. H. Pepper; Mr. and Mrs. I. L. Powell and son; Mr. and Mrs. Barrue and two daughters; Mr. and Mrs. C. Bonnet and two children; Mr. and Mrs. G. H. Blake and child; Mr. and Mrs. John Birnie; Mr. and Mrs. John Donaldson; Mr. and Mrs. J. K. Allen; Mr. and Mrs. W. G. Badgley; Mr. and Mrs. De Meusy; Mr. and Mrs. A. Moltz; Mr. and Mrs. John Reimels; Mr. and Mrs. E. L. Enggren; Mr. and Mrs. Chas. Weber; Mr. and Mrs. Geo. T. Schunemann; Mr. and Mrs. J. F. Weir; Mr. and Mrs. P. F. Kessler; A. L. Miller; Walter F. Sheridan; P. O'Mara and sister; J. A. Manda; W. A. Manda; F. R. Plorkovsky; John Young; Robt. J. Young; C. B. Weathered; Charles E. Ferry; Miss Pearl Fulmer; W. H. Kuebler; W. Rickards; J. A. Shaw; H. A. Bunyard; R. E. Berry; G. Drever; Horace E. Froment; John Leach; A. T. De La Mare; Oscar Boehler; J. B. Nugent, Jr.; H. C. Steinhoff; Harry Turner; Alfred Zeller; Wm. Kessler, and R. M. Schultz.

Burchett's Seedling Gladioli

Geo. Burchett of Hampton, Va., sends us a box of seedling Gladioli, comprising some fourteen distinct varieties. The spikes are long, and several of them are branched. The individual flowers are mostly of the large type. The range of color was quite wide, varying from nearly pure white to very dark shades. Two varieties with very large blooms, and of a color somewhat like America, and one with a white bloom with crimson stripes on lower petals, are especially attractive. The collection, on the whole, is of more than usual merit.

Cleveland, O.

In spite of dry weather and of predictions that the Aster crop would be a failure, Asters are coming into the market in thousands. Of course, there is a large demand for them, but the supply more than equals it. There is a tendency to put those with yellow centers in the bunches, but they will not bring the price like the full flowered ones. This year there is more outside stock, such as Snapdragon, Hardy Peas, Larkspur, and Gypsophila, grown than last year, and they find a ready market. Roses, such as My Maryland, Killarney, Kaiserin and Richmond, at present are very scarce and the demand more than equals the supply. Carnations are very scarce and about all we can get are outside stock, which one knows are inferior, but a few inside flowers are looking pretty good. Gladioli early in the season were in big demand and brought prices of about $3 to $5 per 100, but they can be bought at $1 per 100 now, colors and quality good. Some fine Valley is shown on the market, grown for the Cleveland Cut Flower Co., at 75c. per 100.

Geo. Bate of the Cleveland Cut Flower Co., and Miss F. L. Evans, have just returned from their vacations. F. R. Williams leaves for his on August 1, to spend some time at his cottage at State's Mills.

Mrs. Ogden Gaul has returned from a very pleasant trip up the lakes, and Miss Gertie Tymes takes her vacation next Monday. O. G.

DAYTON, O.—The Miami Floral Co. has increased its capital stock from $50,000 to $75,000.

DOWS, IA.—Work has been commenced on the excavation for the Larson & Shaffer Greenhouse Company's plant, which will be erected on East Ellsworth st. in this city. The first structure will be 40x90 ft., with basement, heating plant and other conveniences. Frank Larson is manager for the creamery at this place; and I. H. Shaffer was formerly in the nursery business at Grundy Center, and for the past six years has been a market gardener in this city.

FOUNDED IN 1888

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Philadelphia: Appointments can be made or letters addressed to Jos. H. Sperry, our representative, care of Keystone Hotel, Market st., near 16th, for Mondays and Tuesdays.

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The address label indicates the date when subscription expires and is our only receipt therefor.

Registered Cable Address: Florex, Newyork.

Exchange Representatives at Rochester

The interests of The Florists' Exchange at Rochester will be looked after by the following gentlemen: J. H. Pepper, of editorial staff; H. B. Stringer and A. H. Secker, both of Rochester; Thomas J. Wade, manager of the Bonnie Brae Greenhouses, New Rochelle, N. Y. (who will also represent his own firm), and A. T. De La Mare. Information for the paper on business matters can be laid before any of the above named and will receive careful attention.

S. A. F. Forecasts

Cities asking for the Convention—

CHICAGO
BALTIMORE

Presidential Possibilities—

GEORGE ASMUS, Chicago, Ill.
J. F. COWELL, Buffalo, N. Y.
W. W. COLES, Kokomo, Ind.
RICHARD VINCENT, JR., White Marsh, Md.

For the Secretaryship—

H. B. DORNER, Urbana, Ill.
HARRY A. BUNYARD, New York City.

For the Treasury—

WM. F. KASTING, Buffalo, N. Y.

Baltimore for the 1911 Convention

The boom for this fair southern city as the next place for the S. A. F. meeting has been fairly launched and we wish it success. The Monumental City has never had the opportunity of harboring the S. A. F. and now is its good time. Its florists have our hearty approval in their laudable endeavor.

The American Carnation Society

There will be a meeting of our board of directors held at Rochester, N. Y., on August 19 next. The time is set for 9.30 a.m. Much important business is to come before this meeting, and it is hoped there will be a good attendance. Any members of the A. C. S. who happen to be in Rochester will be welcome at this meeting, and are, in fact, urged to be present.

A. F. J. BAUR, Secretary. F. BURKI, President.

Mission of the Trade Paper

Our thanks are heartily tendered Mr. Robert Kift, for his paper with above caption. He has treated his subject as ably as would anyone who had been "behind the scenes." As a matter of fact, the gentleman has been long in the journalistic ranks, and was therefore qualified for the essay he has just delivered. We want every reader of The Florists' Exchange to spare a few minutes for the perusal of this paper—it's worth the time.

These days there is no argument as to the value of advertising—all concede that point; the question is "How to be a successful advertiser?" and Mr. Kift has pointed out some of the solutions.

The essay will be found in full on page 196.

Those Amendments to Constitution

To enable every S. A. F. member to consider understandingly the amendments to the constitution which are to be brought up at the Rochester meeting it is hoped the secretary will provide copies of the by-laws and constitution now in force, one for each member. This may save time and talk. And it is some years since the members have seen these books.

The benefit to be secured for the Society from the revision now proposed is somewhat problematical, the election of directors and appointment of secretary and treasurer simply being a complete reversal of the present order whereby directors are appointed by the president and secretary and treasurer elected by the delegates.

We hold that as the elected president serves without pay the right of appointing at least two members of his cabinet should not be taken away from him.

Members should not act heedlessly in depriving themselves of the right to elect their secretary and treasurer. Surely the combined sense of several hundred men should be equal to the judgment of six. The Society has hitherto been responsible for its officers, why is a change considered necessary now?

Should secretary or treasurer, popularly elected, prove inefficient or untrustworthy, it is surely within the power of the president and his board of directors to bring charges against them and secure their removal. If this is not now provided for let us have an amendment to that effect. To our knowledge the Board of Directors of the S. A. F. has made at least two appointments in emergencies between Conventions.

* * * * *

What we earnestly desire to see agitated and brought to a definite heading (and in this we do not feel alone) is the adoption of a policy whereby the membership of the Society may be increased by thousands, instead of remaining almost stationary, and the Society itself become more than ever the daily evidence of the importance of the business, art or profession—call it what you will—for which it stands. Its authority should be paramount and ever before us.

That previous efforts to secure this desirable standing have resulted in failure is no reason why further efforts should not be made.

Clearer heads than ours may advance a more feasible plan whereby a solution might be worked out. Simply as a feeler we suggest that committees of three, five or seven men, not all necessarily Society members but men known for their progressiveness, be appointed by the president and directors of the S. A. F., in ten or more of the leading cities, said committees to report their suggestions within six months through their respective chairmen, who shall gather together at some central place of meeting, and shall then become a committee of the whole, to pass on and assimilate the various propositions advanced, and to publish same in the press three months before the 1911 meeting, in order that all can come to the convention prepared for the intelligent discussion of the suggestions thus elicited.

One man can run a huge business to its highest efficiency, but a Society as altruistic as that of the S. A. F. would undoubtedly derive benefit from the combined wisdom of fifty men or more all concentrated on the one subject—the raising of the efficiency of the Society of American Florists, a consummation every loyal member earnestly desires to see realized.

* * * * *

In discussing this question at Cincinnati, last August, Patrick O'Mara vigorously objected to the proposed amendments above referred to, and stated the case in very plain language. He said:

Mr. President, the only recommendation to which I take exception is that relating to the election of Directors by the convention and their appointment of the Secretary and Treasurer of the Society. I cannot agree with the majority of the committee on that point. Instinctively and temperamentally I am opposed to anything that savors of bureaucracy. I am in favor of electing the Directors of this Society on the floor of the convention, but, inasmuch as the method heretofore followed has done well I see no reason to change it and would prefer to let it remain as it is, but upon no consideration could I bring myself to approve the plan to give the Board of Directors the power of appointing the Secretary and Treasurer. The advocates of that plan favor it because it is adopted by corporate bodies representing private interests. I contend that this organization cannot be regarded as being in that class, but that it is distinct from corporations such as electric trolley companies, gas companies, water companies and railroad companies. This organization is to a certain extent for the mutual benefit of its members and to enable them to help each other, but its greatest underlying principle is the advancement of horticultural interests. Its members come from far and near, sacrifice their time and money, to help their profession and incidentally to help themselves. No money is invested in this Society for business purposes or personal profit, but the money it collects is conserved to advance broadly the general interests of horticulture and, I repeat, only incidentally to benefit the men engaged in the business.

If this body is to be placed in the category of money-making concerns, such as a gas company or a railroad corporation I fail to see any consistency in the proposition to make the Secretary and Treasurer appointive while having the President elected by the convention. All purely business corporations, so far as I know, choose their presidents as well as their secretaries and treasurers through their boards of directors. I infer that the advocates of this change recognize that this Society is not a corporation like a railroad or a water company and that is why they do not include the President as one of the officers to be appointed by the Board. It is a fair and natural inference from the position which they assume that this body has not the capacity or the wisdom to make proper selections for the offices of Secretary and Treasurer, that the Directors can do it better than can the entire body of the Society. I do not coincide in that view. I believe that a man who can successfully run the gauntlet of the entire society is more likely to be fitted for his office than the one who secures the place through the favor of a few Directors. I believe in popular government; that an organization like ours should elect all of its officers; but at the same time I do not ask to interfere with the existing arrangement by which, under the by-laws and the articles of incorporation, the President appoints two directors annually. I would prefer to leave that as it is, and I would like the present method for the election of Secretary and Treasurer to continue.

As to the office of Secretary, about which the storm seems to center, I want to say (and I say it in the hearing of two members who have served in that position) that I think we have been peculiarly fortunate in our Secretaries; but when you come to look upon the Secretary as a mere paid official, when you divest that office of the spirit of self-sacrifice and enthusiasm which is born of an ambition to forward the great business in which he is interested and of which he is proud, you take away from the office one-half its value. This Society has not sufficient funds to adequately compensate a Secretary for doing the work as some people think it ought to be done; in other words, for giving his whole time and attention to it. I doubt if it is worth while for a man to give up a fairly lucrative business or position and take the work of this office upon his shoulders for the sake merely of the salary. And here let me say that any honors or emoluments that come to a man who is serving as Secretary, Treasurer or President of this Society and who applies himself, heart and soul, to his official duties because of his enthusiasm in the work, are his by right and because he deserves them. For the reasons I have stated I cannot conscientiously assent to the President's recommendation on this point.

Later, Mr. O'Mara made the point that the government of the Society is vested in the Board of Directors between conventions and that body had the power to cope with the conditions anticipated by the advocates of this proposed change.

Society of American Florists and Ornamental Horticulturists

Twenty-Sixth Annual Meeting and Exhibition
Rochester, New York, August 16-19, 1910

TRAVEL ARRANGEMENTS TO CONVENTION

Special Railroad Rates to Rochester

A rate of one and three-fifths, on the certificate plan, has been granted by the Trunk Line Association, New England Passenger Association, Central Passenger Association and the Eastern Canadian Association. Tickets may be secured not earlier than August 12, nor later than August 17, and will be good returning up to and including August 23. In securing your tickets purchase a full one-way first-class ticket and *be sure to request a certificate.* Inquire at your home station and ascertain whether certificates and through tickets can be obtained to the place of meeting. If not, purchase your ticket to the nearest point where they may be secured and there purchase a through ticket and certificate. No reduction of fare will be made unless a certificate be secured at the time of the purchase of the ticket. Be sure to ask for a certificate and not a receipt.

For those living west of the western boundary of the Central Passenger Association, that is, west of Chicago and St. Louis, Summer tourist tickets may be purchased to Chicago or St. Louis, from which point the reduced rates may be secured to the place of meeting. It will be well to confer with your local agent for full particulars regarding rates and routes.

New York to Rochester

The route will be via Lehigh Valley R.R. Train will leave West 23d st. (Penn. Ferry) at 9.40 a.m., Cortlandt and Desbrosses sts. and Hudson Terminal at 9.50 a.m. Monday, Aug. 15. The going fare to Rochester will be $7.00; certificates should be obtained from ticket agent which will entitle the holder to return for $4.20, with additional payment of a fee of 25c. for visé of certificate. Tickets on the certificate plan may be obtained at any of the Lehigh Valley R.R. depots—30 Flatbush ave., Brooklyn, 140, 355 or 1460 Broadway, New York, from August 12 to 17. Return tickets will be good until August 23.

All members of the S. A. F. and their friends are heartily invited to travel as guests of the N. Y. Florists' Club and the transportation committee, on this important occasion.

All members of the N. Y. Florists' Club and S. A. F. & O. H. and their friends who travel on this train are cordially invited to be the guests of the transportation committee for dinner at the Glen Summit Springs Hotel, Glen Summit, Pa., where the train will stop for one hour at about 1.45 p.m.

Entertainment and refreshment will be a special feature on this train as usual.

Application should be made to Frank H. Traendly, 131 W. 28th st., New York City.

Western Travel Arrangements

From Chicago the travel will be over the Lake Shore and Michigan Southern Railroad.

Special train will leave Chicago at 5.30 p.m. Monday, Aug. 15, arriving in Rochester at 9.00 a.m. Tuesday morning, Aug. 16. The rate authorized for this occasion is one and three-fifth fare on the certificate plan. The Pullman rates are double lower berth or upper berth $3, section $6.00, compartment $8.50, drawing room $11.

System lines folders, viz.: Big Four Route, by which you will note delegates from Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. Delegates should address, for further information, L. H. Winterson, 45 Wabash ave., Chicago.

Boston to Rochester

Write E. Allan Peirce, Waverly Oaks rd., Waltham, Mass., who has the travel arrangements in hand and will give information regarding rates and other matters. We understand that to date over forty have signified their intention of going with this party.

St. Louis to Rochester

O. G. Koenig, State vice-president of the S. A. F., is in charge. He has arranged with the Big Four R. R. for the Knickerbocker Special, leaving St. Louis at 1 p.m., on Monday, August 15, in a special Pullman, due to arrive in Rochester on Tuesday morning, August 16 at 9.20 a.m. The fare for the round trip will be $23.16 with $4 for sleepers each way.

Pittsburgh to Rochester

Messrs. T. P. Langhans and Wm. Loew as a committee of the Pittsburgh F. and G. Club, have obtained a rate (certificate plan) of $12.23 total round trip fare; this is issued by all railroad companies, good for ten days' stop-over at Buffalo by depositing ticket. The stop-over at Buffalo will afford an opportunity to make a side trip to Niagara Falls for which round trip tickets can be purchased at 50c. Cost of parlor car seat, day trip $1.25. Cost of Pullman, night trip, $2 per berth.

Advise the committee by what railroad you wish to travel, what train you prefer, morning, noon or night, and number of tickets you require. Write T. P. Langhans, 222 Oliver ave., Pittsburgh, Pa., or William Loew, Diamond st., Pittsburgh, Pa.

Philadelphia to Rochester

The members of the Florists' Club of Philadelphia and their friends will leave the Reading Terminal at 10 a.m. on Monday, Aug. 15, over the Lehigh Valley R.R., arriving in Rochester at 9.30 the same evening. The fare one way will be $8. Those intending to take the trip should communicate with John Westcott, chairman of the transportation committee, Ridge & Lehigh aves., Philadelphia.

Detroit to Rochester

The delegation from Detroit will leave for Rochester on Monday, August 15, at 5 p.m., by boat to Buffalo, arriving in Buffalo at 8 a.m. next day, thence by rail to Rochester. The boat fare one way is $3.50, staterooms, for two persons, $2.50. The railroad fare, Buffalo to Rochester, is $1.50. All desiring to join the party should write at once to M. Bloy, 880 Van Dyke st., Detroit.

Baltimore and Washington to Rochester

The Lehigh Valley R. R. will attach an extra parlor car to its Black Diamond express on account of the florists from Washington and Baltimore if there are 25 or more people going. Train leaves Camden Station, 9.50 a.m., Mt. Royal, 9.54 a.m., Monday, Aug. 15, connecting with the Lehigh Valley R. R. at Wayne Jct., and arriving at Rochester 9.15 p.m. This will give a daylight run over the scenic Lehigh Valley R. R.. If the Washington and Baltimore parties combine as one, the Washington party can leave their city at 9.00 a.m. and take the parlor car at Baltimore.

A special rate of a fare and three-fifths, on the certificate plan, has been granted for this occasion. This will make the rate going $8.35, returning, $5.05, plus 25c. for vising tickets, making a total of $13.65 for the round trip. Tickets will be sold and certificates issued August 12 to 17, and will be good to return until August 23. If a sufficient number will get together to occupy the entire space in the car, same will be placed for their exclusive use. The parlor car rate Baltimore to Rochester Jct., is $2.25.

Rochester Convention Notes

Headquarters

Headquarters for the convention will be at the Seneca Hotel. Both the president's reception and the reception given by the Ladies' Society will be given here. It will also be headquarters for the ladies.

The Trade Exhibition

The trade exhibition promises to be the best ever held by the Society. It is the opinion that no hall has ever been secured which is better adapted for exhibition purposes. Convention Hall, a large, well lighted, brick structure with over forty-eight thousand square feet of floor space, has been donated free of charge by the Rochester Chamber of Commerce. From the present outlook this will be filled to its utmost capacity.

Exhibitors are reminded that the duties of the judges are limited to the consideration of and the making of awards to novelties and improved devices only.

The exhibition will be open to the public every evening at 7.00 p.m. and on Thursday from 2.00 p.m. until closing time. At all other times the exhibition will be closed to the public. An admission fee will be charged. Members are merely required to show their badges.

The meetings of the Society will also be held in the same building.

National Flower Show

The National Flower Show committee will maintain an office at the exhibition hall during the time of the convention. The office will be in charge of Chester I. Campbell, who has been appointed manager of the coming show.

The Bowling

A. F. Vick, of the sports committee, requests that clubs holding trophies will communicate with him at once, stating whether these trophies will be forwarded by express or brought by the teams now holding them. He also is desirous that the captains of all teams will report at once, in order that some idea can be formed as to how many bowlers will attend, and that the prize lists can be made complete without further delay. Address A. F. Vick, care Vick & Hill Co., Rochester, N. Y.

The Grand Central Alleys, where the men's bowling will take place, will be refurnished for the occasion. These alleys are considered to be the equal of any in Rochester, and thoroughly uptodate.

Rochester Hotels and Rates

The following rates have been furnished to the S. A. F. Secretary by the Hotels listed below:

Seneca Hotel, Clinton ave. South. (Headquarters.) European plan. Single rooms, $1.50; Single rooms, with shower, $2; Single rooms, with bath, $2.50; Double rooms with bath, $4.

Powers Hotel, Main st. West. European plan. Single room, with or without shower, $1.50 to $3; Single room, with tub baths, $2 to $4. Two or more in room at reduced rates.

Osburn House, 101 South ave. American plan. Rates from $2.50 to $3.50.

Hotel Eggleston, 139 Main st. East. European plan. For men only. Single room, without bath, $1; Single room, with bath, $1.50 to $2; Double room, with bath, $2.50 to $3.

Hotel Rochester, Main st. West. European plan. Single room, $1.50; Single room, with shower, $2; Single room, with bath, $2.50 and $3.

Whitcomb House, 209 Main st. East. European plan. Rates: $1.50 to $3, with bath; $1 to $2.50, without bath.

These hotels are strictly first class, modern hotels, unsurpassed by any in America for a town the size of Rochester.

The American Gladiolus Society

Kelway & Sons, Langport, Somerset, England, have offered the Kelway medal for the best collection of named varieties of Kelway's Large-flowering Gladioli: their current "Manual of Horticulture" to be taken as a guide to the names eligible, and to include only the large-flowering Gladiolus Kelwayi strain. The entries for this prize should be made under No. 16, Open Class.

L. MERTON GAGE, Cor. Sec'y.

S. A. F. and O. H.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Roses, Dark Pink Killarney and Lady Cromwell, by A. N. Pierson, Inc. of Cromwell, Conn., and the Rose, Purity, by Hoopes Bro. and Thomas Co., of West Chester, Pa., become complete.

H. B. DORNER, Secretary.

July 28, 1910.

Our S. A. F. Rochester Convention Number will be issued NEXT SATURDAY, AUGUST 13

READERS of The Florists' Exchange, likewise the advertisers in its columns, are well acquainted with the useful, valuable and highly interesting issues which we produce at Convention times.

Our Rochester Number will be on the same lines of generous illustration and requisite information, and will be prized as a souvenir long after the Convention itself has passed into history.

Intending exhibitors at Rochester, as well as the many business men who will not be represented there in the Trade display, will surely find a liberal advertisement in our issue of August 13 a splendid paying investment.

Your patronage is respectfully solicited.

Copy for this Convention Number can be received up to Wednesday next, August 10

PLEASE MAIL YOURS AT EARLIEST

We have secured to date of going to press with this issue, the greatest amount of advertising ever accorded The Florists' Exchange for a Convention issue. We trust to see every good firm liberally represented

Greenhouse Construction and Heating

By JOHN A. PAYNE

Copyright, 1910 by A. T. De La Mare Ptg. & Pub. Co. Ltd.

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Fig. 52 shows vertical section GH through the door of gable, showing the relative position of various parts; it will be noticed that the top of the door sill 28 is set about ½" above grade, and the chamfer of sill starts a little inside of the outside of the face of the door, thus insuring that all of the water will be shed to the outside.

The glass rabbet of the door header 27 is arranged to be in line with the rabbet in the under side of end roof bar 19. It will also be noticed that the door jamb 26 terminates at the end roof bar and forms a support for same. This section also shows the end stiles of the roof sash and the relative position of the vent rest 7. This vent rest is, as before stated, so arranged that it will catch any of the leakage passing through the joints of the continuous sash and conduct same down to vent header 4. Where the side stile comes above the end roof bar the vent rest is cut away as shown, and secured to this bar.

Fig. 53 shows the connection between the glazing sill 12 of gable and the double board and paper below same and the 18 glazing bar above sill.

We show in Fig. 55 the details of construction of two styles of roof ventilating sash, and also side sash. No. 1 shows the regular form of roof sash intended to open at the header, similar to the sash shown on the roof in Fig. 46. In constructing the roof sash the glass in same should be of such width that the center of the intermediate glazing bar would be in the same line as the center of the glazing bar in the roof of the house, and this would necessitate, in the case of continuous

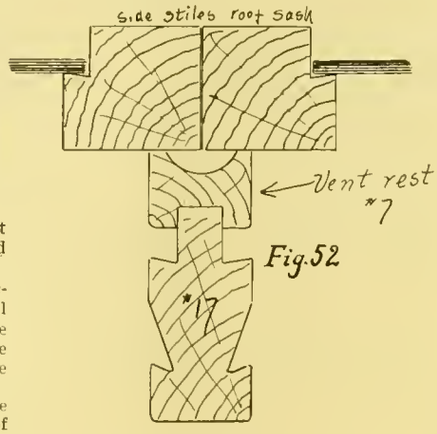
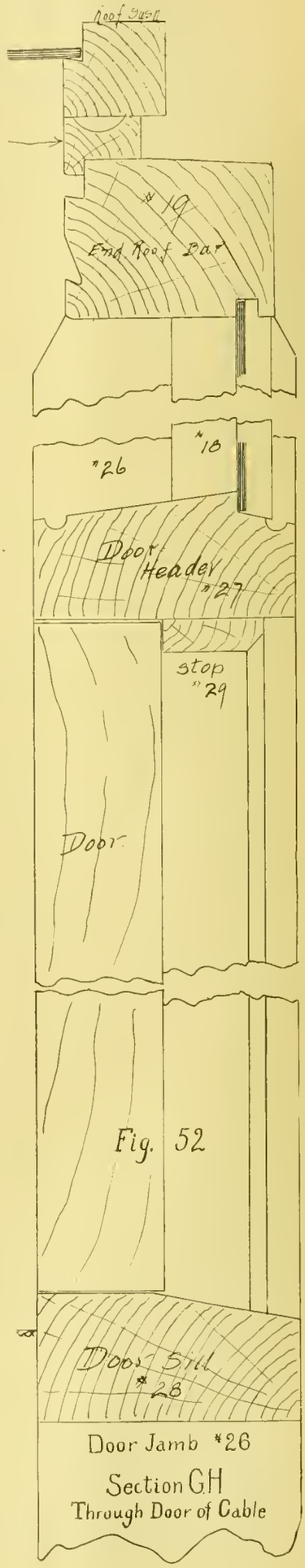
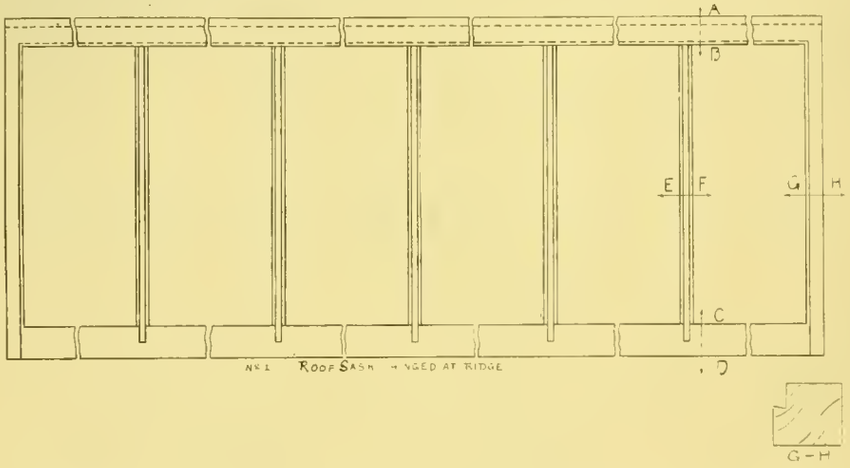


Fig. 52





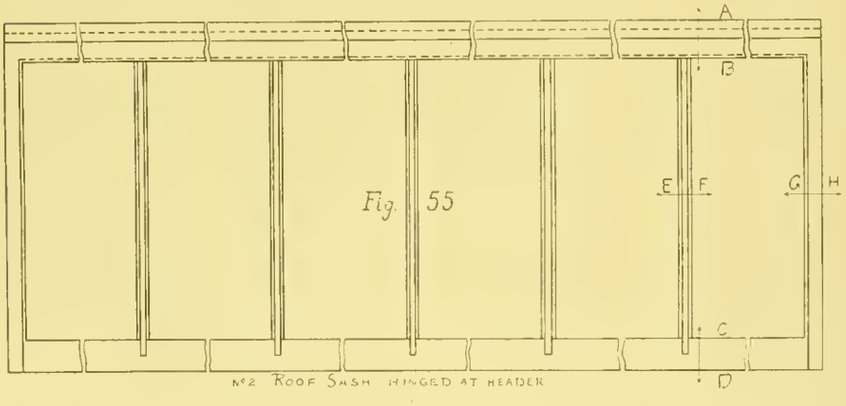
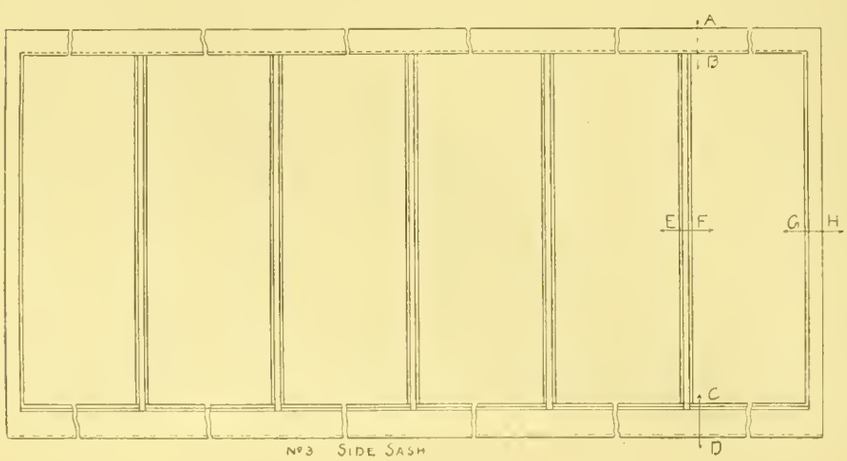
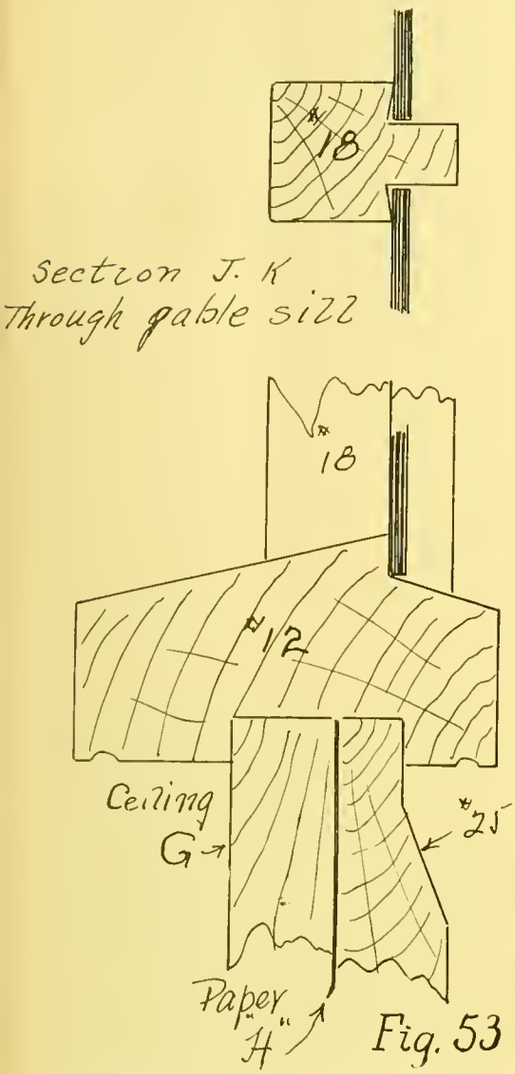


Fig. 55





ventilating sash, the two end lights being narrower than the other lights, to allow for the width of the side rail or stile. The construction of the top rail of sash is shown at AB in the enlarged detail at the side of Fig. 55. This top rail is made from 1½"x2½" material. It will be noticed that this top rail is beveled to suit the pitch of the house, so as to form a seat against the ridge when the sash is closed. This top rail is rabbeted on the under side to receive the glass as shown. The bottom rail, CD, is made from 1"x3" material and the glass in the sash laps on same. It will be seen from Fig. 46 that the bottom rail is so set in relation to the header 4 that the condensation drops from it into the header, as before referred to.

Section GH shows the detail of the side rail of the sash. This is made from 1½"x1½" material and is rabbeted on one side to receive the glass.

Section EF shows the intermediate glazing bars, which are made from 1¾"x1½" material. When these bars are placed in position, the tongue of same is allowed to lap the bottom rail, CD, far enough beyond the edge of the glass to support the glass in sash.

No. 2 shows the roof sash intended to open at the ridge. All of the members in connection with the construction of this sash are made from the same sized materials, and the general design is also the same, with the exception of the top rail, the bevel of which is placed the opposite way and to it is secured the ridge cap, J, which laps the ridge as shown in Fig. 57. This cap is made from 1"x3" material and is securely nailed to the top rail, the joint being thoroughly white leaded. The bottom rail of the sash is hinged to the header as shown in Fig. 57.

No. 3 shows the design of the side sash, the top rail AB being made from the same size material, but formed square on top instead of bevel, and it should be furnished with a rabbet on the top, to match the rabbet in the header 11, as shown in Fig. 46. CD shows the section of bottom rail which is made from 1½"x3" material and is rabbeted on the upper ridge to receive the glass, and beveled on the bottom to suit the pitch of the sill. The side rail of the sash is made the same as GH, that is, where it is possible for it to come against the woodposts, A, that support the eaves of the house. If this is not possible the side rails should be provided with rabbets or furnished with a batten placed on the back of the sash so as to cover the joint between same.

Sweet Peas Shown to Best Advantage

Our illustration is that of Dobbie & Co.'s wonderful Sweet Pea exhibit at the R. H. S. meeting, London, Eng., on July 19 last. All the varieties shown were of their own raising, the large pillars depicted being composed of: Masterpiece, lavender; Mrs. Hugh Dickson, cream pink; Isabel Malcolm, cream; Sunproof Crimson; Mrs. A. Ireland, pink bicolor; John Ingman, special stock and The Marquis, mauve.

Photograph forwarded us through the courtesy of William Cuthbertson. T. A. W.

National Sweet Pea Society of Great Britain

The tenth annual exhibition of this flourishing Society was held in the Royal Horticultural Hall, Vincent Square, London, on July 12 and 13, and, contrary to all expectation, and in spite of a most unfavorable season, was in every respect, save one, the most successful of the entire series. The one exception was a considerable falling off in the number of entries, due to the serious damage done to the flowers by the horrible weather conditions from which we have so long suffered. The blooms staged by more fortunate exhibitors were simply grand, and as there was more room for the display their good points were more easily recognized.

The weather during the show was all that could be desired, and the attendance of visitors on both days was so numerous that the financial aspect is of the most pleasing character. The honorary exhibits of the traders were in many cases fully equal to the exhibition blooms, and, it is pleasing to learn, were the means of securing an abundance of profitable orders for the exhibitors.

The flowers lasted well on to the close of the second day; this, combined with the liberal patronage bestowed by the public right up to closing time, will ensure a continuance of this new feature.

In the class for one bunch of new Sweet Peas, the prizes were taken for the variety Iris (Breadmore), a pale salmon Spencer; Earl Spencer (Cole), a rich orange, waved; and Dazzler (Breadmore), a brilliant flame scarlet. It was an instructive and very useful class.

The novelty section was very interesting. Two hundred and forty-two samples were tested at The Times Experimental Station (Supt. Chas. Foster) and the following awards were made by the Floral Committee: First-class certificate and silver medal, as the best novelty of the year to Stirling Stent (J. Agate), a brilliant orange-scarlet of immense size and splendid substance, quite fixed. Awards of merit were made for Masterpiece (Malcom-Dobbie), clear lavender, waved; Mrs. Hugh Dickson (Dobbie), the finest and best of the cream pink section; Arthur Green (Dobbie), maroon; Cherry Ripe (Gilbert & Son), brilliant cerise, waved.

The usual dinner was held at the Hotel Windsor on the opening day, under the presidency of N. N. Sherwood, V. M. H., who has been president of the Society during the present year. The chairman announced his intention of offering a prize, value twenty guineas, for Sweet Peas at the projected International Horticultural Exhibition in 1912, to become the property of the winner.

S. B. DICKS.



At the Sweet Pea Show, London—Dobbie's Exhibit

English Horticultural Notes

Holland House Show—The Rose Show and the Sweet Pea Show

Three big shows have followed each other within a week. Each was important. The Holland House show was the last that is likely to be held in that West London (private) park, and was one of the best of the series. There were tremendous crowds of visitors, and some grand displays of Roses, Carnations, Ferns, Orchids and hardy flowers were seen. Messrs. Wallace of Colchester had the finest water-garden arrangement that has ever been seen under a tent. It filled 60 ft. run of ground, with a breadth of 12 ft. or 14 ft., and the water, which was in the form of a winding stream, and crossed by huge flag-stones in parts, was profusely edged with Japanese Irises. Another portion of the exhibit displayed a handsome, well filled hardy flower border with Liliums and seasonable subjects. It was awarded a gold medal.

Messrs. Veitch of Chelsea also won a similar award for a magnificent group of flowering and foliage plants, in which Kalanchoe flammea and Solanum Wendlandi (large clusters of lavender flowers) were conspicuous. Beautiful Crotons and Caladiums, etc., were also interspersed. Messrs. Cutbush had their scarlet Malmaison Carnation Lady Coventry, which beats King Oscar; and a magnificent general display of the best retail florists' stock, came from R. & G. Cuthbert, Southgate, who are famed for their Ghent Azaleas. They had dwarf Kalosanthes coccinea, several kinds of Verbenas, as Miss Willmott, Scarlet King and Maiden's Blush; also graceful Humeas, Liliums, Geranium King of Denmark, Roses and Hydrangeas. A group of Trachelium cœruleum, the Throatwort, and old and often not known greenhouse plant, with branching heads of blue flowers, was also on view. New Verbascums (Mulleins) in several shades of golden bronze and bronzy-rose, the varieties under name, came from Messrs. Gibson of Bedale, Yorkshire. A beautiful new improved form of Geum coccineum named Mrs. J. Bradshaw, with large scarlet double flowers on long branching stems, came from Whitelegg & Page, nurserymen of Chislehurst, Kent, and was a distinctive novelty which is sure to become popular and useful. Mr. Burnett, Guernsey, had his lovely fancy Carnation Aurora, also the magenta Mikado, the yellow Fortuna, and others. The pick of highly-bred double tuberous Begonias were in the hands of Ware (Feltham), Blackmore & Langdon (Twerton Hill, Bath), and Gwillim (New Eltham, Kent). They were magnificently developed and of gorgeous colors.

There were many fine Roses, but I have left the discussion of these until speaking of the National Rose Society's exhibition. I ought, however, to mention Alex. Dickson's Mrs. Fred. Straker, which is being spoken of as "an improved Chatenay" (Mme. Abel Chatenay). Surely no higher praise is necessary. Mention ought to be made also, of William Paul's Roses (from Waltham Cross) which were only shown at Holland House. If your growers have not secured a stock of the stunning new Juliet (gold reverse and scarlet upper petals) they had better do so, for the plants are limited in number and orders are simply pouring in. In the line of Ferns, the best things I saw were Nephrolepis exaltata superba and N. Marshalli (the latter a most charming, fairy, feathery mass of lovely fronds). A gold variegated Dracæna Bruanti named Souv. de François Buysse, very fine, came from H. N. Ellison, Bull st., West Bromwich.

These represent the bare facts and select subjects of a large and good show, crowded in all parts with things of beauty and of interest. Delphiniums also ought to be mentioned, for they formed a show in themselves. There are some exceedingly handsome varieties nowadays. I also find I have omitted to name Frank Lilley's (Bulb Nurseries, Guernsey) lovely display of hardy early Gladioli. Nothing finer was seen in the show, and in-

cluded the varieties Ardens, scarlet, the delicate Peach-blossom, the bright Salmon King, The Queen, Gen. Scott, William III, The Bride, Ne Plus Ultra, Pride of the Isles (white, blotched carmine) and Pink Perfection. Every one was lovely and shown at the top of its form.

* * *

As regards the Rose Show, which was held at the Royal Botanic Gardens (not Kew), Regent's Park, the finest things there were the following: H. T. Mary Countess of Ilchester, warm carmine, a grand flower (from Alex. Dickson, Newtonards, Ireland); H. T. Wm. Foley Hobbs, creamy white (from the same); Lady Hillingdon, cinnamon-yellow (more brown or reddish-golden than Mme. Ravary), with long buds, splendid tea, and one which ought to suit your cut flower growers; H. T. Mrs. G. Shawyer, darker shaded than Mme. A. Chatenay, strongly scented (from Lowe & Shawyer, Uxbridge). A new decorative garden Rose came from Pernet-Ducher, the French grower. It was named Rayon d'Or and is a bright golden-yellow, after the color of the Persian Yellow. It is one of his new race which have received the distinctive name "Pernetiana." Of the Roses already in commerce those that stood out above their fellows were the Lyon Rose (color of a boiled lobster); Mrs. Edward Mawley; Mrs. Theodore Roosevelt (grand form); white Mamau Cochet; Harry Kirk, (yellow); Frau Karl Druschki; and William Shean. Geo. C. Waud was brought, but was rather small. Mrs. Hubert Taylor, bright shell-pink (Alex. Dickson), is also fine. Marquis de Sinet, and Mme. Edward Meyer are both taking a front-rank position as cut flowers for decoration. Laurent Carle, carmine, is a new Rose of promise.

Messrs. Alex. Dickson & Sons, with their "Hawlmark" Roses, won the open championship trophy and gold medal in Class 1 for 72 Roses, distinct varieties. They also won for the 40 trebles, the exhibition Roses in vases, the nine blooms of any new Rose (with Walter Speed) and second in the class for new seedling Roses. Hugh Dickson, Belfast, was first in the Hybrid Tea section, for twelve blooms of new Roses, for twelve vases of new seedlings, and second for nine blooms of one new Rose (with Leslie Holland, crimson).

* * *

The National Sweet Pea Show was a great success. I wonder if my selections will meet with favor from "European Seeds"? The best varieties throughout the show to my mind were Lavender Geo. Herbert (is this "fixed"?), Clara Curtis, Helen Lewis, Constance Oliver, Mrs. C. W. Breadmore, Evelyn Hemus, Earl Spencer, Masterpiece, The Marquis, John Ingman, Audrey Crier, Aurora Spencer and Mrs. Chas. Foster. The finest new thing of all was T. Bolton's (Warton, Carnforth) Charles Foster, a suffusion of opal, Cattleya-mauve and pink, a charming, refined flower. Another novelty from Mr. Bolton was R. F. Felton, a beautiful waved lavender, flushed with red.

J. HARRISON DICK.

The Japan-British Exhibition

The Yokohama Nursery Co., with offices in Yokohama, London and New York, are making a most interesting exhibit of Japanese horticultural products at the Japan-British exhibition, now being held in London. All the stock forwarded was sent by the Yokohama house at considerable expense, coming overland from Canada. The exhibit includes a number of horticultural novelties most useful to the trade and as the exhibition remains open for six months, there will be afforded a good opportunity for the many trade visitors to inspect them.

We regret our inability to publish the several illustrations sent us, one of which is a view covering a considerable stretch of space, showing dwarf and other Japanese plants. A second illustration is that showing some very valuable bronze ornaments of birds, beasts and reptiles, and extremely valuable specimens of Japanese garden lanterns. In addition to these stone lanterns and other Japanese garden furniture, there is a large collection of dwarfed trees in bowls, etc., comprising Retinisporas, Pines, Oaks, Larches, Maples, Pomegranates, etc., in greater variety than usually seen. It was interesting to note the scrupulous care with which these plants have been trained, a flat of R. obtusa having all exactly the same outline, with branches at the same place and angle.

The subject of our illustration is a group of dwarf conifers, etc., held in stock as a refreshing ground for the trees used in the firm's exhibits throughout the various buildings of the exhibition. It also shows a good likeness of A. Dimmock, the English agent for the Yokohama Nursery Co., a gentleman who is well known on this side, also of two of the firm's Japanese representatives.



Exhibit of the Yokohama Nursery Co., at Japan-British Exhibition, London, England

Mission of the Trade Paper

A paper read by Robert Kift before the Florist's Club of Philadelphia, August 2, 1910.

If an interesting event occurs and one cannot take part in it, the next best thing is to read about it. We put on our long distance glasses, so to speak, and are enabled, through the written story, to be almost present, to see in our mind's eye the important features, and in addition have a record that ofttimes would escape us, or perhaps be entirely forgotten.

The trade paper, published in and for the interests of the florists, and kindred industries, came into life with the advent of the Society of American Florists, in Cincinnati, twenty-six years ago. The pioneer was, at first, a small sheet, and appeared daily, containing the doings of the convention; it was afterwards issued as a semi-monthly journal, devoted to the various branches of the flower and plant raising industries. From the first it was successful and full of interest for the wide awake men of the business, who found in its pages the best thoughts of those who were leaders in their special lines, and were not above giving their experiences and helping, in this way, to further the work of their fellow craftsmen. In a short time the semi-monthly became a weekly, with a circulation that reached to every part of the country.

In journalism, as in every other field of human endeavor, there is competition, and in time others came forward offering their services and asking for an opportunity to show what they could do toward advancing the good work. From time to time the number of these publications increased, until at this date there are five in this country and one in Canada, all exclusively for, and issued to the trade only. All have but one object, or mission, that of furthering the business of the florists and allied interests, and each hoping to obtain a share of the reward that comes to every well-planned enterprise.

Not only have these journals increased in number, but their growth in volume and efficiency, as they have catered to and received the support of the craft, has been most gratifying. Able editors have systematized the work, providing departments over which preside men who are known experts in their lines. The Rose, the Carnation, the Orchid, Palms, Ferns and other plants are treated by these specialists, in their various sections, in the most thorough manner, imparting information to the average grower that is invaluable. The very important matters of greenhouse building and heating are handled by men of large experience, and every undertaking in this line that shows an advance or possible improvement is described in detail for the information of the trade.

Many successful men, in all branches of the business, whether from diffidence, or lack of time, cannot be prevailed upon to prepare essays or papers, but in some instances will submit to an interview, and in this way much valuable information is obtained and spread broadcast, that could not reach the craft in any other way.

There is no question but that their efforts in this line have a distinct uplifting tendency. They present everything interesting, of an educational nature, that has merit. The papers that are read before the various conventions at their annual meetings, and at the monthly gatherings of the florists' clubs and horticultural societies, are all given, and in many cases reporters are present, even at the minor events, to see that nothing of importance transpires that is not recorded and written up for the benefit of readers.

Photography, which now plays such an important part in journalism, enables the writers to illustrate their articles, in addition to their word pictures, with an image so natural that it is at once satisfying. If a new greenhouse structure is described, the photograph, so real, shows more than a written story. Should the subject be a new Rose or Carnation, the intelligent grower will be able to judge at once of its merits, or demerits, from the photographic reproduction. Something extra fine appears in the market, the product of a modest grower; he is hunted up, and the fact that such results may be obtained is given to the interested public, with probably a photograph to prove it.

One of the strong features of the trade journal is to be found in its social columns. Here is a record of events of a more or less personal nature. "All work and no play makes Jack a dull boy," and here the "Boys" are followed in their various outings and social gatherings in a manner that makes very pleasant reading for all of us. The passing away of those whose life work has been one of devotion to their chosen profession, and who have been more or less factors in its progress, is always fully chronicled and a record made of their achievements.

Probably the most valued of all the features of the trade journal is its advertising columns. Here in an open market the best products of the country are displayed. Are you thinking of building? A dozen different firms are there with the materials, anxious to furnish plans and estimates; a selection is made, and almost before you realize it the house is up. Your heating plant is defective, or worn out; the active boiler men are seen, with generators of all sizes and patterns that are more than ample in their variety, and at such prices and terms that a bargain is soon made. It will soon be time to plant, a new variety is to be tried, or there is not enough of your own stock of an old favorite to fill the houses; a glance over the market shows a surplus here and there, and enough is soon picked up for the work. Is it bulb time? The stalls are seen, piled high with fresh stock, just imported from the bulb growing centers of Europe and the Orient. Quotations of prices and quality are fairly shouted by the eager tradesmen, so anxious are they for your valued order. The center of this market is taken up with Palms and Ferns. What a wonderful assortment is seen, all kinds, all sizes, at all prices, spread out before the buyer in such a competitive way that the wise man, picking out the bargains jumps in quickly and makes a selection while the stock in full and complete! The store-keeper is in need of supplies; he turns to the stalls in the market and just what he wants is seen displayed or is hurried to him from the factory by the first express. Has he a hurry up order for flowers, and nothing in sight around home, he is in a quandary; but a look shows him a score of men in this wonderful market, standing, phone in hand, and the box of Roses, that so much depends upon, is off to the depot in a jiffy.

And so it goes, all along the line. The one hundred and one things of everyday use are to be found in quantity in this greatest of all markets. There is no compulsion to buy, but if you see what you want and the price is right, you take it. Strange to say, there are stall-holders in this market who declare it does not pay well! We have all seen stocks offered in such a way as to attract few, if any, buyers. Most goods must have extra-

ordinary merit to sell themselves. To secure attention, the display must be bright and attractive; it much be changed frequently to catch the eye. Goods allowed to get dusty and shop worn are only bought by people who need them and cannot at the time get anything better. Few men will spend their money without being sure of receiving fair value in return, but many will eat up valuable advertising space and secure little or no nutriment whatever.

Buying and selling in this market *does* pay, as it evidenced by the men who are seen there constantly and who are recognized as leaders in their special lines. My treatment of this subject may seem a trifle too ideal, but the facts, as to the results, are not in the least exaggerated. The publishing of a trade paper, like other ventures, requiring capital and good business management, depends for its success on the measure of its service. To get the best, the best must be given, and in the efforts to produce such results the standard is constantly being raised. Each achievement, however great it is considered at the time, but opens the way for something better. The work is never done. Each issue is complete in itself, and requires more effort than the average reader realizes to have it on time and ready for his weekly mail. Every number received is a mental treat, to be read at the time and filed away for future reference. Unfortunately, the value of these numbers in some cases is not always appreciated, and we see them used to line boxes, wrap plants and put to other plebeian purposes. Copies of the weekly issues bound in annual volumes present a history of the business of the country that is invaluable for reference and highly prized by those fortunate enough to have them. We can look back for twenty-five years and see the growth and expansion of the business, which has indeed been most wonderful, and when the various agencies that have contributed to this advancement are considered, we feel sure that the trade journal will be found to have been one of the most important factors.



BY EBER HOLMES

Summer Work

We will suppose that all planting is finished before this, and such being the case a little relaxation from the regular toil is in order, whenever possible. On most places a little let-up can be indulged in, if it only takes the form of an extra hour off on a Saturday afternoon. The principal work now is to watch carefully the growing stock, and to put everything in order for next Winter, including the painting, glazing, care and overhauling of pipes, boilers, etc. Watering should be done carefully. The young stock may receive a setback from overwatering, which will take a long time to overcome. Damp down and syringe well on hot days, reducing the quantity of times this is done as the season advances and the nights begin to grow longer. The aim should be to produce a good stocky growth at this time rather than an abnormally large, soft growth, which is later on an easy prey to mildew and black spot. Cultivate carefully, as long as possible, or until the roots begin to spread out in the beds. These young roots, of course, must not be disturbed, and when one cannot scratch over the beds without breaking roots it is time to stop using anything but the fingers in rubbing them over. All staking should be done as soon after planting as possible, and the plants should be tied up neatly at all times; there are several advantages in this which will be apparent to the beginner in Rose culture.

Treatment for Red Spider

If red spider is noticed it should be driven out as quickly as possible, using a sharp spray of water forcibly directed on the under side of the leaves; try to get under every leaf, a few good applications ought to dislodge it, and if this fails try spraying with a good insecticide, you will find several advertised in The Florists' Exchange. In spraying with these insecticides always remember that it is not the quantity applied that does the benefit but the method of application. Do not spray on a large quantity which will run off the bushes without doing good, but put it on in the form of a fine mist, which will stick all over the foliage, especially on the under side of the leaves where the spider lives.

Treatment for Mildew

Mildew is another pest which must be looked after and treated in time. It ought not to be troublesome at this time of the year, but in case it appears it should be picked off and burned as soon as the first spots show. If it has gone too far for this, blow on dry sulphur with a bellows, after syringing, as soon as the plants are dry. Let the sulphur stay on the bushes through several hot sunny days before syringing again and then give the plants a heavy syringing, both under and over the foliage. In this way the trouble can often be drowned out if the sulphur has not killed it all. There are men who claim to kill mildew by dusting sulphur all over the house, covering every plant, and then keeping the house closed down tight, until with the bright sun the temperature runs up to 90°, when it is kept at about this temperature for an hour or so, and afterward air is gradually given. This may be a good remedy in the hands of some growers, but I believe that I have seen more harm than good done in this way by inexperienced men. It is not to be recommended in a house where flowers are being cut.

Carrying Over Old Plants

In regard to old plants being carried over, the best way seems to be to keep them growing along in good shape until the time when it is desired to rest them, then commence by gradually withholding water at the roots and reducing the number of syringings, until only enough water is given to keep the wood from shriveling. About one month is long enough from the time of commencing to dry until they may be started up again; but, of course, the time may be reduced or extended somewhat according to circumstances. If a succession of flowers is wanted it is advisable, where there are enough plants, to take a few benches every two or three weeks and commence drying off, afterwards starting them up in the same way. The crop will then be broken up and may be still further manipulated by successive pinching as growth commences.

Importance of Early Repairs

August is perhaps the best month in the year to get out on the roof and make everything tight for the Winter. It may be rather hot sometimes, but, generally speaking, it is pleasant work in Midsummer, as well as necessary. Reset all broken glass, and fasten all that is loose. Fill in any holes between bars and glass with putty, and then paint the roof, if it needs painting. The ventilators, too, should be looked over and adjusted. There may be corners or sections where the Winter gales blow in; this is a good time to see that everything is put in good working order. Any repairs to the steam pipes required should be made; any valves that need packing should be packed, and, in fact, any and everything in the shape of overhauling, repairs, or alterations should be done at this time. See that the boilers are thoroughly cleaned out; take out the hand hole plates and swab out the holes with a cloth tied on a pole, then put in the hose, with a good nozzle on the end, and wash them out thoroughly. Have everything in readiness, so that on the first cool night you may be prepared with a little steam—then you can have a little fire heat in the cool nights of August, leave air on, and feel assured that your plants will be healthy. This is away ahead of worrying at that time and wishing that you had things in good shape. Damage done in the early Fall takes a long time to overcome in the time of the year when the plants need to be at their very best to be ready for their Winter's work. A house that has done well up to New Year's is in a fair way to be a profitable one.

Among the Growers

WAYNESBORO, PA.

Henry Eichholz

Henry Eichholz is preparing an exhibit for Rochester of his new Carnation Christmas Cheer, which he showed at Baltimore and Pittsburgh last December with 38 and more blooms on them; it will be shown in two groups. Mr. Eichholz says this Carnation will be a boon financially to the grower. Every October one hears the question "What shall I do with the space occupied by my Chrysanthemums?" Sweet Peas, Lettuce, etc., go into it and when it gets into crop the market is overstocked. Mr. Eichholz advises to plant a few thousand of Carnation Christmas Cheer in the field, pot them up in September, place in cold frame until Chrysauthemums are thrown out, and then you have the biggest paying crop for Christmas that can be imagined. The people will never get tired of buying a good red Carnation in full bloom at that time.

Mr. Eichholz further says of this Carnation that it roots easily, grows quickly into immense plants, and bloms early, late, and always, in fact, is never out of bloom. Plants with 30 and more shoots on in the field can now be seen at his establishment, the dry spell of now nearly seven weeks not seeming to have any effect on them.

Henry Eichholz has shipped, this week, 1000 plants of his new Carnation Princess Charming to Chas. H. Totty, Madison, N. J. Princess Charming was certificated at Pittsburgh, Baltimore, New York, and Madison, N. J., last Fall. It is the color of Enchantress, and Mr. Eichholz says its lasting and shipping qualities are so much superior to Enchantress that it will make friends as soon as known. The Chicago Carnation Co., Joliet, Ill., is growing also 1000 plants, and Princess Charming will be distributed by the parties named, and also by Mr. Eichholz who is the originator of the variety.

WHITESBORO, N. Y.

John H. Owens

I made a call on Mr. John H. Owens of Whitesboro, N. Y., about three miles from Utica, and found him building a new greenhouse, 30x200 ft., which will make a large addition to his place. He has installed a 75 h. p. boiler for this house, and will heat by hot water. It will be one of the finest houses in this part of the State. He has also two houses, 18x100 ft., heated with a 25 h. p. boiler, which will be planted to Carnations; two houses, 20x100 ft., one house to Roses and one to plants. The large new house will be used mostly for Lettuce and Radish this season. I saw here a fine lot of Carnations in the field, about ten thousand. Mr. Owens does a good business here, both in flowers and plants, and a more genial, good hearted man one could hardly find.

W. A. Rowland

I also visited W. A. Rowland's place, and found him trying to keep cool in a hammock under the trees. We took a stroll through the houses, with the thermometer at 90° outside; I do not dare to think how much it was inside. The first house was of Tomatoes, and fine; he is taking some of the finest fruit I have seen and has a god market for it. One bunch of 'Mums here were the best I have seen. The next five houses are nearly all planted to Carnations, just about finished planting, good and early. They all look extra good and I see an early crop in the future. One new house has been added this season, and is now filled with 'Mums. There are seven houses all told. The plant gradually grows, but there is plenty of room for more houses and every year sees an addition. I hope to see the whole lot covered with greenhouses.

QUIZ.



Christmas Cheer, Eichholz's Mid-winter Flowering Carnation

ELMHURST, L. I.

Nearly every grower at Elmhurst has a stand at the N. Y. Cut Flower Exchange, 55-57 West 26th St., New York City, where he disposes of his own flowers. Almost all grow both Carnations and 'Mums. It is noted that one of the largest growers of greens, namely C. C. Schrader, and one of the largest Lily growers, John Miesem, is located here. Hot water heat is used exclusively, and little has been done in the way of concrete benches, but some side walls of concrete are being used. Nearly all growers here grow outdoor Asters, chiefly Queen of the Market and some early branching Asters. The Aster bugs and the Aster disease prohibit the growing of late Asters.

No new greenhouses are being erected but Summer repairs are going on in all the present ranges. Many 'Mums are already benched, but very few Carnations. The latter, and also Asters which are now coming into bloom, and are so far free from disease and bugs, are suffering from lack of rain.

John Donaldson

Passing through Mr. Donaldson's home grounds, which are well kept, and tastefully adorned with shrubs, and flowers, just as all florists' home grounds should be, for that is due to himself, his family, and the dignity and nature of the calling which he represents, a visitor comes to the range of greenhouses, eight in number, with 20,000 ft. of glass, heated with hot water, and furnished with raised wooden benches.

Six houses are used for Carnations. The varieties grown are Enchantress, White Perfection, Mrs. T. W. Lawson, Winsor, Beacon and Lord. 'Mums, chiefly Bonnaffon and Ivory, are grown in one house, Smilax in another, and Callas in pots plunged in the soil of a bench, and Lilies in another. Outside, shrubs, Peonies, and Asters are grown.

The cut of flowers from this range is sold at Mr. Donaldson's stand at the N. Y. Cut Flower Exchange, of which he is the president.

John Miesem

Mr. Miesem is at present in Europe, but his neighbor florist, John Donaldson, courteously took the EXCHANGE representative through Mr. Miesem's range, which consists of ten greenhouses, with 25,000 ft. of glass, heated with hot water and equipped with wooden benches, except one house which is furnished with the Wilson-Hoyt Co.'s concrete benches.

In previous years, 'Mums followed by Easter and bedding stock have been grown in this range, but this year the experiment of growing giganteum Lilies exclusively is being tried, and as far as the number and quality of the blooms are concerned the experiment so far is certainly very successful. 200,000 bulbs, mostly of the 7 in. to 9 in. size, are being forced so as to give a succession of blooms. The bulbs are potted off in 4 in. pots for the most part, and after they have rooted strongly and are sufficiently advanced in growth they are planted on the benches.

The present cut of Lilies is from 3000 to 5000 per day. The record, however, for the past week is 66,000 blooms. The 7 in. to 9 in. bulbs are now averaging over three blooms per bulb. The plants and blooms are entirely free from disease or insects, and the show of Lilies at this establishment is one of the largest and best ever observed.

The cut of Lilies is consigned to Philip F. Kessler, 55-57 West 26th st.; P. J. Smith, 49 West 28th st.; W. F. Sheridan, 131-133 West 28th st., and Henshaw & Fenrich, 51 West 28th st.

Charles Beckman

The eleven houses of Mr. Beckman's range, with 20,000 ft. of glass, are hot water heated, and furnished in part with benches and in part with solid beds. Five houses are devoted to growing the following varieties of Carnations; Boston Market, Joust, Pink Delight, Winona, Lord, Victory, Scarlet Glow, and a variegated seedling of Mr. Beckman's. The remaining houses are used for growing 'Mums of the following varieties: Polly Rose, Glory of Pacific, Halliday, Early Snow, Supreme, Monrovia, Golden Glow, Jones, Western King Hays, Enguehard, J. K. Shore, and Nonin. After the 'Mums are gone, the same houses are used for Lilies, and other bulbous plants, Roses, and bedding plants including about 10,000 Geraniums. Many of the 'Mums are already benched and are looking remarkably well.

Outside are the young Carnation plants, and one half acre of Queen of the Market Asters, both of which are doing well.

At this point in his visit to Elmhurst, at the kindly suggestion of Charles Beckman, Sr., Charles Beckman, Jr., who has recently graduated from Elmhurst High School, and has joined his father in the florist business, hitched up his horse and took the EXCHANGE representative to all the other growers' establishments in Elmhurst, and then to the station, for which help, especially on a day when the mercury was trying to reach the 100° mark, the representative was profoundly grateful.

The cut of flowers from the Beckman range is sold through Charles Beckman Jr., at the N. Y. Cut Flower Exchange.

George H. Beckman

George H. Beckman is a brother of Charles Beckman. He has a range of five hot water heated greenhouses, 12,000 ft. of glass. This is furnished partly with benches and partly with solid beds. Two houses are used for Carnations of the following kinds: Lord, Boston Market, White Perfection, Victory and Imperial. Three houses are used for 'Mums, in solid beds, and these are followed by Sweet Peas.

Outside Asters, Sweet Peas, Gladioli and Tuberoses are grown. Gladioli are grown inside also, between the Carnations. The cut of blooms goes to the N. Y. Cut Flower Exchange.

Peter Beuerlein

The eleven houses, 26,000 ft. of glass, of Mr. Beuerlein are all connected by the Jennings iron gutters, and the benches of pecky Cypress are supported by the Jennings iron bench supports.

Asparagus and Smilax, in solid beds, are grown in two houses. Two houses are used for 'Mums, such as Ivory, Nonin, Appleton, Enguehard, Halliday and Jones, which are followed by some 20,000 Geraniums for Spring trade.

Carnations, as follows, are grown in seven houses: Winona, Pink Delight, Mrs. C. W. Ward, Victory, Beacon, Enchantress, Imperial, and Bertha Rath. Some Scarlet Glow will be tried this season. Two houses are already filled with young plants, and both these and those in the field are looking well.

Mr. Beuerlein has a salmon pink sport of Winsor, of which he will get up a stock; and he is trying some few Sangamo. Outside, he has about 60,000 Asters, both Queen, and Branching, which are looking well but need rain; also Sweet Peas, Gladioli, and a nice variety of Dahlias.

C. C. Schrader

The twenty-two greenhouses, 50,000 ft. of glass, of Mr. Schrader's well kept range, are devoted exclusively to growing greens; in fact, Mr. Schrader is known as a successful grower of "green goods."

About two houses are used for Adiantum cuneatum and an unnamed sport of this variety; and the rest are divided between Smilax and Asparagus. The A. cuneatum sport throws out a young growth of pink color which later becomes green, and is somewhat heavier and stronger than cuneatum. The stock is reserved for Mr. Schrader's own use and has been on his place for eight years. He now has a stock of 2000 plants. All the Adiantum is looking very well. It is grown mostly in benches, except one solid bed.

The Asparagus plumosus and Smilax are grown in solid beds, in which Mr. Schrader is a firm believer, considering it the more natural way for plants to grow.

The Smilax is first sown in a seed bed, then transplanted into small pots, and then grown on till it is time to transfer to the solid beds.

Mr. Schrader has sown the solid beds in one house to crimson Clover, which is now up several inches high and which he will fork in as a green manure. In case a bed is to be used a second time he does not believe in leaving it bare to the sun's rays, but in planting a cover crop of some kind, preferably one which will introduce nitrogen into the soil.

Thrip is found to be the most difficult enemy to combat. Most so-called remedies are a failure in the case of thrip. The cyanide remedy, when applied strong enough to kill thrip, injures Asparagus, but not Smilax, excepting the young shoots.

The cut of greens from this range goes to Frank Millang, and Bonnet Bros. of the N. Y. Cut Flower Exchange.

John Bottjer

Henry Bottjer died last April, and his son John Bottjer is now running the range, which consists of five houses, 10,000 ft. of glass, furnished with wooden benches and heated with hot water.

Three of the houses are used for 'Mums, which are followed by Geraniums. Two houses are used for vegetable growing, especially soup greens. Some Sweet Peas and Asters are grown outside.

The blooms from this range are sold at Mr. Bottjer's stand at the N. Y. Cut Flower Exchange.

Hugo Pladeck

This range of Mr. Pladeck's is furnished both with benches and solid beds, and consists of five houses, with 25,000 ft. of glass. Two houses are used for growing Ulrich Brunner Roses which are planted directly in the soil of the greenhouse, without bench or bed.

Asparagus, plumosus, and Sprengeri, are raised on benches in two houses, and in one house 'Mums are grown in solid beds. The cut of flowers is consigned to Wm. H. Kuehler, 28 Willoughby st., Brooklyn, N. Y.

Albert Wittman

Mr. Wittman has three houses with about 10,000 of glass, with raised benches, and heated with hot water. He uses about 100,000 bulbs of various kinds, making a specialty of Freesias, and having the past season the first in the market. At this time his houses are all used for 'Mums. He has now in pots about 20,000 Asparagus plumosus plants, which he will grow. For Spring he grows about 20,000 Geraniums, Alternantheras and some other bedding plants.

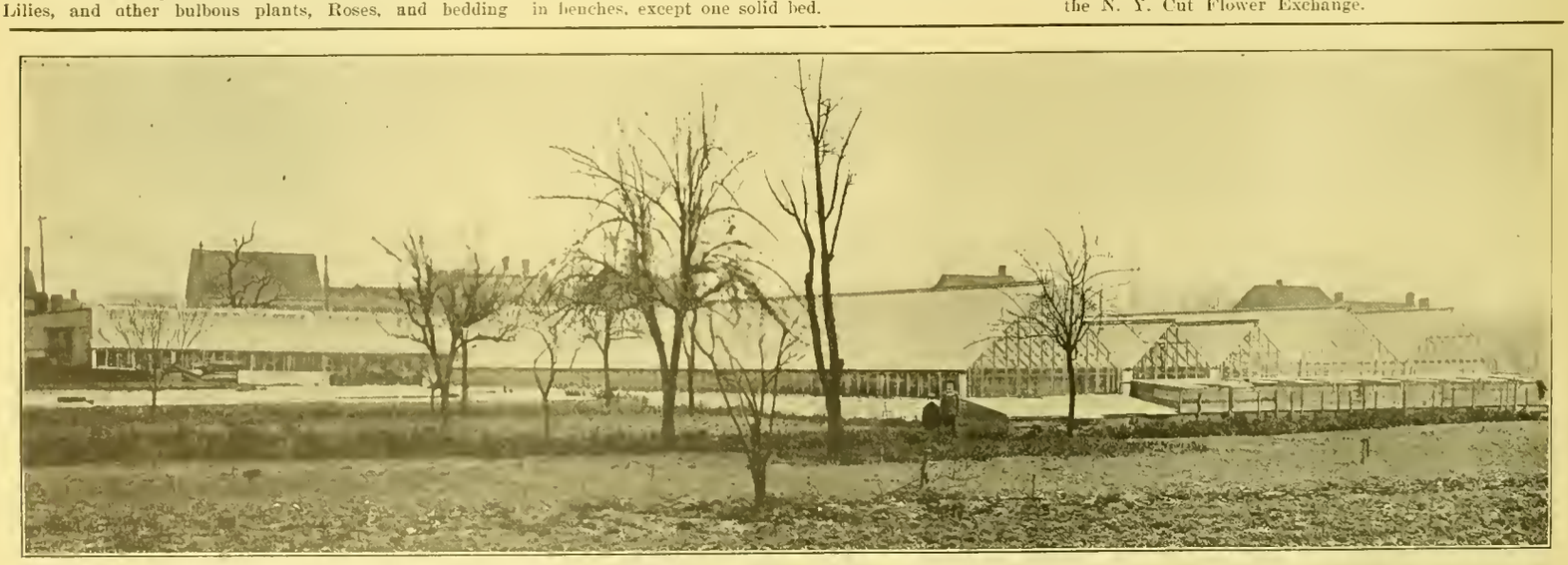
Outside he is growing Sweet Peas and Asters. He sells his blooms at his stand at the N. Y. Cut Flower Exchange.

Charles Lusgarten

Mr. Lusgarten's range is for sale. It consists of seven houses, about 12,000 ft. of glass, heated with hot water and furnished with benches of pecky Cypress.

'Mums such as Ivory, Bonnaffon and Nonin are grown in three houses. These are followed by Sweet Peas and bulbs. Three houses are used for growing Carnations, of the following varieties: Mrs. Ward, White Perfection, Snowflake, Beacon, Enchantress and Winsor.

Mr. Lusgarten sells his cut of flowers at his stand at the N. Y. Cut Flower Exchange.



Range of Peter Beuerlein, Elmhurst, L. I., N. Y.

WYNCOTE, PA.

Joseph Heacock Co.

On the Bethlehem branch of the Philadelphia and Reading R.R., eleven miles from Philadelphia, is the town of Wyncote. A few minutes walk from the station, on an elevated location, is the homestead of Joseph Heacock. His residence is surrounded by well kept lawns, beds of flowers, trees and shrubs.

A little back from his residence is his range of greenhouses, consisting of 90,000 ft. of glass. This range is heated by four 50 h.p. steam boilers, which were secondhand when installed and have been in use from 14 to 22 years, which demonstrates the life of steam boilers when well cared for.

The range at one time consisted of about 30 houses, but now of only about 12 houses, yet the amount of glass has been increased. There is in this range an example of the elimination of number, and the increase in size, by changing many comparatively narrow detached houses into a few wide connected houses, substituting, in so doing, iron and concrete whenever they could be used instead of wood. To make this clearer by example, twelve houses in one case have been thrown into two large modern houses, and in another case seven houses into one. There has been no general tearing down, but a gradual evolution in accordance with a well defined plan from an old style range to a more useful and relatively modern one. Now for the results of this change. The sales of the last year show a gross increase of 33 1-2 per cent. over that of any previous year, without any increase of expense, except possibly a little for labor, and an actual reduction of the fuel bill.

This whole range was once used for growing Roses and Carnations, but the difficulty of obtaining sufficient unworn soil off his 2¼ acre estate, and the expense of buying and hauling soil rendered a change necessary, and now only one house of Roses remains, which will soon be done away with, and three houses of Carnations. Two of the latter are, by the way, run by Mr. Heacock's sisters, and are yielding a good income, from which fact one may draw his own inference about the business ability of women.

And now, you may ask, what is Joseph Heacock growing in place of Roses and Carnations. He has gradually become a Palm specialist, more correctly speaking a Kentia specialist. Here are seen Kentias of all sizes from the little plantlet just pushing its cotyledon out of the soil, to the five year old Kentia "finished off" in 12″ cedar tubs. The Palm section is in charge of Theodore Shober, who has been with Mr. Heacock 16 years, and a walk through the Palm section shows you that he is a past master in the art of growing Palms. By the way, Mr. Heacock pursues a very fair and wise policy as regards his employees. He "censures them for failure and credits them for success."

Mr. Heacock imports 150,000 Kentia seed from Australia every year. These are sown in shallow benches, filled with peat, in July, and the germinating period is from three to twelve months. After they are well up they are transplanted into flats of about 200 to each flat, where they remain from four to ten months, and are then potted off into 2¼″ pots, following which they are given shift after shift, first into pots and then into cedar tubs in 7″ to 12″ sizes, which are far superior to pots.

In going through the Palm section, there is observed a house filled with 6″ Kentias and 4″ Cocos Weddelliana. There also is a house of Arecas, three to a pot, as usual, which is the way they are sown. Their germination is much quicker than that of the Kentia, taking place in from one to three months. The smaller Palms are placed for the most part on cinder filled benches; the next larger on solid concrete, cinder filled beds; and the still larger sizes on the cinder covered ground level of the houses.

Another house is filled with Kentias in 7″ cedar tubs, and another with Kentias in 9″ cedar tubs, beautiful and perfect plants every one of them, no insects, no disease, no stunted plants or damaged fronds. Last of all, in the Palm Section we are looking over, is a long, wide house filled with Kentias, for the most part in 12″ cedar tubs, a magnificent tropical sight not soon forgotten.

Kentia Belmoreana, and Forsteriana are the varieties grown, largely the former. The heaviest shipping season is August to October inclusive.

Orchids also are now grown in the Heacock range, one house 25x250 ft. and another 20 by 60 ft. being used for this purpose. The foreman of this section is Harry Gould. Orchid growing is another of the innovations at this range. The larger house is filled with some 12,000 Cattleyas. The varieties are gigas, labiata, Trianæ, Gaskelliana, Mossiæ, Schroderæ and Harrisoniæ, and the smaller house is filled largely with Cypripedium insigne, but carries some Cattleyas and Oncidiums. The plants, though now off crop, are in excellent condition.

Some Scottii Ferns, and Asparagus plumosus are grown in one house. One large house is being planted now to Dorothy Gordon Carnations, low branched, strong plants in splendid condition; but in one section of this house, 75 by 35, the Dorothy Gordon Carnations are being carried over a second year. Though they were planted a year ago last June, they are now in remarkably good condition.

The old Carnation plants are now being thrown out from two houses which are managed by Mr. Heacock's sisters and they will be filled chiefly with the varieties White Perfection and Enchantress. 130,000 rooted cuttings of Dorothy Gordon Carnations were sold the past season by the Heacock Co., the original stock of which was purchased by Mr. Heacock from Edwin Towill of Roslyn, Pa. A well furnished, roomy office, and a commodious flower cellar beneath add to the efficiency of the Heacock range.

As Mr. Heacock's sisters are still true to the Carnations, so he himself is not so fickle as to give up his old love—the Rose. At Wyncote he retains one house of three year old pink Killarney, which, however, is soon doomed to go, but at his newly purchased estate of 58 acres at Edgewood, Bucks Co., Pa., 18 miles from Wyncote, he has built, and is now completing a really modern greenhouse, 55 by 600 ft., with an uptodate system of steam heat. Here he will grow Roses, though many details of the new house are not completed, there are already planted therein 16,000 pink and white Killarney and Richmond Roses.

The EXCHANGE representative had the pleasure of meeting Mr. James Heacock, son of Joseph Heacock and also Mrs. James Heacock.



Seedling Petunia "Royal Purple"

Nat. size, 5¾ in.—*See page, 200*



Those S. A. F. Amendments

Editor The Florists' Exchange:

Notice has been sent to the members of the S. A. F. of a number of amendments to be brought up for consideration at the coming convention. The most important of these are the series intended to make the members of the board of directors elective, and to make the office of the secretary and treasurer appointive by the board of directors.

The present conditions are such that the board of directors consists of eleven members, namely, the president, first vice-president, secretary and treasurer, who are, of course, elected each year, and the junior ex-president who was elected the year before. These five members may be said to be elected by the direct vote of the members of the Society. The other six, a majority of the board, are appointed. They are the personal appointees of the president, each president having the privilege of appointing two, so that the Society is in the somewhat anomalous position of having a majority of its board of directors not elected by itself, but made up of the personal appointments of various presidents. The amendments, if carried, will reduce the board of directors from eleven to nine and make them all strictly elective.

Theoretically, at least, this seems more in accord with the general customs of this country, and is the practice in nearly all corporations existing in this country. Practically, all ordinary corporations are compelled to elect their board of directors by the law under which they exist.

It will be noted that the amendments also take away the voting power in the board of directors from the secretary and the treasurer. If these officers are to be appointed by the board of directors it would certainly be an exceedingly bad proposition to give them a vote in the deliberations of the body which appoints them, and which can remove them. It seems to the writer that so long as the present close scrutiny of the handling of the funds is carried out, and the heavy bonds are required from the treasurer, it really makes very little difference whether he is elected or is appointed.

The office of secretary, however, it would seem, could be most wisely taken out of politics. The secretary is the chief clerk of the Society; he is the only person expected to devote any great amount of time to its work and should be placed in a position so that he would be dependent for reappointment on the directors who are closely associated with him and who have a thorough knowledge as to the quality of his work.

It seems to the writer that it should be the policy of the Society to get the services of the best man obtainable and to keep him in office continuously. A new man in the secretary's office cannot possibly pick up all the details and be in position to give the Society the best work of which he is capable, until he has had one or more years' experience. There are also many times when, if he carries out his duties with sole reference to the best interests of the Society, he must offend some of the members. If he is subject to re-election by popular vote, the temptation to the average man will be to let the interests of the Society "go hang" when it is a case of securing the support of a possibly influential man for his re-election, as against making that same man an active worker against him. If would seem a reasonable proposition that the best service from a secretary will be secured by removing any temptation for him to mix up in politics or identify himself with political factions, which will certainly be the case if the office continues to an elective one and the incumbent wishes to hold it for any length of time.

The president is frequently a new man, who has had no service on the executive board and is entirely unfamiliar with the working machinery of the Society, and he is compelled to rely largely on the knowledge and experience of the secretary, and both are handicapped when the secretary is a new man and lacking in experience. A good secretary is like certain spirituous liquors: If not compelled to constantly play politics he is sure to steadily grow better with age. I speak at the present time from personal experience, knowing how much (although I had seen four years' service on the executive board) I was compelled to rely on the thorough knowledge of the Society's conditions possessed by Mr. Stewart, not only by reason of his great ability but also through his long service. The contrast was impressed upon me most forcibly when, recently, I came to fill the position of secretary under President Traendly and to realize how my lack of experience in the details of the office made me less helpful to that gentleman and less useful to the Society.

The amendment to Article 5 is with the intent of giving the Society the privilege of saying when it shall meet, as well as where. Under the present conditions, no matter how necessary it might be for the interests of the Society to change the date of the meeting, for even one week, it could not be done unless a formal notice to change the by-laws had been gotten up some months in advance, and all the rest of the red tape had been gone through with. The argument has been advanced that we ought not to make this change because it had always been the other way. This seems to me about as poor an argument, either for or against any proposition, as one could possibly bring up. I cannot see why we may not as safely trust ourselves, when we are assembled in annual convention, to decide what time we shall meet, as to decide where we shall meet. There will be nothing to prevent our continuing to meet at the same time in August as heretofore, unless the majority of members of the Society wish to meet at another time; and whenever the majority of the Society wishes to change the date it certainly seems that we should give ourselves the privilege of doing so.

The last amendment contemplates the changing of the fee for life membership from $25 to $50. This has been

repeatedly threshed out and voted down, but it still seems to me that $25 is an absurdly small fee for life membership, and I feel quite confident, in looking over the present list of life members, that there are but few of them who would not have taken the life membership just as willingly at a $50 fee as at a $25 one.

W. N. RUDD.

Morgan Park, Ill.

The Orchid's Future

Editor Florists Exchange:

Under the above heading, a contemporary refers to a note made by an English writer in the Florists' Exchange, and as the reference undoubtedly deals with myself, I venture to add an additional line.

It must first be understood that Orchid culture in Great Britain and Orchid culture in America are distinctly different for, from what I can ascertain, Orchids in the United States are distinctly a commercial proposition. Indeed, I have seen it stated that commercial Orchid growing in America will rival that of Roses and Carnations, but I am of the opinion that this prophecy will develop about as much as did the prophecy that Tuberous Rooted Begonias would oust the Geranium for bedding purposes over here. Just as Begonias are not every amateur's flower here, Orchids will prove to be not every commercial man's flower in the United States. But this is, perhaps, beyond the subject at issue. Over here, Orchids have almost entirely been the private grower's flower; in fact, the firms who lay themselves out to grow Orchids for commercial or market purposes might probably be counted upon one's fingers.

When two big firms like Rockford and Heath clear out their entire stocks, such action tends to suggest that there is no money in the culture—largely due, no doubt, to the fact that many private individuals are in the habit of sending their surplus flowers into the market; and I might add that this insidious practice is prevalent throughout Great Britain, both as regards flowers, fruits and vegetables. These private supplies are often dumped into the markets at lower rates than the commercial man can afford to sell; and it is more than likely that the large private Orchid collections have prevented the development of commercial Orchid culture. Further, the price of Orchid blooms is considerably above what the average flower buyer will pay in this country.

Your esteemed contemporary states that there is an increased interest in Orchids in this country, but I venture to put the query "Where is this increased interest most prevalent?" Many valuable private collections have been sold in recent years. The gardening papers devote only a limited amount of space to Orchids, and the trade journals practically none, even the trade Orchid exhibits at exhibitions receiving very scant notice, simply because the trade as a whole is not interested in Orchids.

With regard to the fancy varieties which are frequently receiving awards, and which are generally valued at prices which no commercial man would care to give, these are of little or no interest to anyone. A friend of mine, formerly an expert Orchid grower for a private gentleman, found that Orchids were distinctly losing the prestige they formerly held, and he eventually gave up his position and went into business, not as an Orchidist, but as a hardy plantsman, having satisfied himself that there is more money in the hardy plant line than in Orchids. Incidentally, the gentleman for whom he worked has since sold the whole of his Orchids.

Under the circumstances, I feel perfectly safe in saying that Orchids, from a commercial point of view here, are off and the commercial men who cultivate them do not rely upon their cut blooms to keep them going, but rather depend upon their plant sales.

Orchid flowers are only to be found in a limited way in the Covent Garden Market, and at the present time the prices for Cattleyas range from 2s to 10s per dozen (50c. to $2.50), certainly not a very remunerative return.

Odontoglossums realize from 1s 6d to 2s; and Cypripediums from 1s 6d to 2s per dozen blooms. Compare these prices with the average prices in America. At the time of the King's death Cattleyas were realizing 2s apiece, but this was an exceptional time.

Taking all things into consideration, I do not think that commercial Orchid growing will ever again reach its former point; and, further, as the love for hardy plants, rock gardens, Roses and Carnations increases among private people, so will Orchids slacken in favor among the class which formerly considered it "The thing" to have an Orchid collection.

T. A. WESTON.

Notes on Plants in the South

Cyclamen

Editor Florists' Exchange:

Mr. Fritz Bahr, on page 150 of issue for July 30, writes about Cyclamens and objects to the wilting of the leaves. Years ago I grew Cyclamens by the thousands, and always carried off the prize for them at the meetings of the old Horticultural Society in Baltimore, and I always dried off the bulbs or corms completely every Summer. I believe that is the natural habit of C. Persicum. Certainly, I always got an abundant bloom. At one of the exhibitions I had some pots on the table when a neighboring florist came in with Cyclamens on which the bloom looked scanty as compared with mine. Seeing me arranging my plants, he said, "Had I known that you would exhibit I would have left my Cyclamens at home."

Hydrangea Hortensia

As Mr. Meehan notes, this Hydrangea always makes blue flowers in the open ground. At Hampton, near Baltimore, I grew large masses of them on the north front of the old mansion. In the Fall, after the leaves were off, the plants were thinned of weak shoots and the stems pinned to the ground and covered with green sod, so that they looked like green mounds in Winter and were perfectly protected in this way. They made great masses of blue flowers. But cuttings from these plants grown in pots or tubs made pink flowers every time. There has been a wonderful bloom of this Hydrangea here this Summer and, last week, when at Berlin, at the outing of the Maryland Hort. Society, I noticed large masses of them on the lawns there, and in every case the flowers were blue.

Pomegranates and Melia Azaderach.

Like myself, Mr. Meehan is fond of testing the hardiness of plants, and I would like to know if he has ever tested the double flowering Pomegranate in Philadelphia. Down here it is so perfectly hardy and makes such large shrubs on the lawns and never a twig hurt, that it would seem to be more hardy than is generally thought.

This is the farthest North I have ever seen the China tree, Melia azedarach flourishing. My neighbor, W. F. Allen, has an avenue of the Umbrella form of this tree which is very pretty indeed. On a number of lawns here there are specimens of the old form of this tree.

The Honeysuckle

Here, instead of there being a demand for Honeysuckle the problem is how to get rid of them, for they take possession of the fence rows and all vacant ground and become one of the worst of weeds. The red Coral Honeysuckle or Woodbine grows in the woods and is often transplanted to home grounds, and never gets to be a nuisance.

W. F. Allen has shipped over forty carloads of Cucumbers at paying prices, and is now starting the Canteloupes off and will have as many more carloads of these and probably 200 carloads of Watermelons. Now, with the great abundance of Peaches and other fruits, the Eastern shore of Maryland is living on the fat of the land.

W. F. MASSEY.

Salisbury, Md.

The Phloxes and Climatic Conditions

Editor Florists' Exchange:

Probably no flower is so sensitive to changes of the weather as the Phlox. A cool, moist climate suits them best, Minnesota is far better for them than Kansas. They cannot endure our American siroccos with the mercury at 100° and the wind blowing like a blast from a furnace. The flowers grow smaller and wither, and the plants droop. They "haul in sail," and if they do not die they go into a dormant condition and wait for a change.

In a dry, hot climate they do best under a screen. I think when people realize the importance of shelter they will have a sort of ornamental Summer house, where they can sit down and enjoy the fragrance of these charming flowers. In some years the conditions are all right, and we feel like challenging the world; but in a season like the present we feel the need of extra care. We keep some under a screen and they grow a foot taller than in the open, and the flowers are all we can desire. If grown in the open they should be sheltered from the hot south wind and, if possible, they should be watered often, or be frequently irrigated with the help of the hoe. Plant in a depression—never on a ridge. In our fields we plant in a shallow furrow, keeping the soil finely pulverized, and gradually fill the furrow. This keeps the plant down near the moisture and protects the roots.

I once visited a nursery in northern Iowa. It was wet and cool, and I never saw finer Phloxes. When I got home it was hot and dry, and I was ashamed of mine. But in a few days we had fine rains and cooler weather and we had as fine flowers as the world could show. Some flowers will be snowy while in warm weather and will turn to lavender when it is cool. This year we measured single florets that were two inches across. The hot winds came and they were the size of a quarter of a dime. I mention this because people do not always understand the influence of the weather and often blame the florist for not sending stock true to name, when the trouble should all be charged to the weather man.

C. S. HARRISON.

York, Nebr.

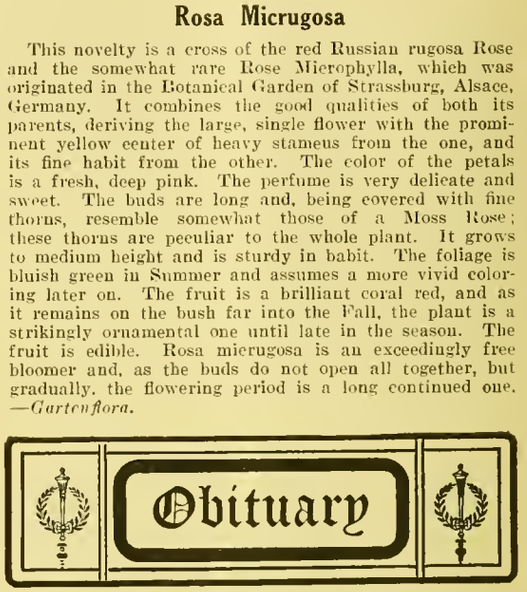
A Promising Purple Petunia

It is a peculiar fact that growers are always eager to secure a blue in any species that is not naturally represented in this color. Ofttimes we have noted so-called blue or purple Petunias referred to, but when grown they generally prove a washed out magenta. At one small nursery I visited recently, I found a plant bearing a real brilliant purple flower. Every trace of red and magenta was absent, and it stood as a truly royal purple blue, with three white marks in the upper petals. So amazed was I that I turned the camera upon it. Needless to state the plant was growing in splendid isolation and every effort will be made to work up a true stock. If it comes true from seed then there will be a furore in the near future.

T. A. W., Eng.

Rosa Micrugosa

This novelty is a cross of the red Russian rugosa Rose and the somewhat rare Rose Mierophylla, which was originated in the Botanical Garden of Strassburg, Alsace, Germany. It combines the good qualities of both its parents, deriving the large, single flower with the prominent yellow center of heavy stameus from the one, and its fine habit from the other. The color of the petals is a fresh, deep pink. The perfume is very delicate and sweet. The buds are long and, being covered with fine thorns, resemble somewhat those of a Moss Rose; these thorns are peculiar to the whole plant. It grows to medium height and is sturdy in habit. The foliage is bluish green in Summer and assumes a more vivid coloring later on. The fruit is a brilliant coral red, and as it remains on the bush far into the Fall, the plant is a strikingly ornamental one until late in the season. The fruit is edible. Rosa micrugosa is an exceedingly free bloomer and, as the buds do not open all together, but gradually, the flowering period is a long continued one. —*Gartenflora.*



George H. Sheppard

George H. Sheppard, a nurseryman and one of the leading horticulturists in the State of Missouri, died at his home in Lamonte, Mo., on July 20. He was 78 years old, and unmarried.

Alex. Youngston

Alexander Youngston, a former well known florist and resident of Barre, Pa., for the past eight years, died at his home on Upland ave. in that city on July 25, of pulmonary edema. He operated a greenhouse on Pearl st. for several years. Deceased was a native of Elgin, Scotland, where he was born in 1855. He is survived by a widow and four children.

R. G. Dunn

R. G. Dunn of Rochester, Ind., proprietor of the Dunn Greenhouse Co. there, died suddenly, of heart trouble, at the home of his sister, Mrs. Sarah A. Smith, in Franklin Pa., on July 23. Mr. Dunn, who was master mechanic of the Indiana Pipe Line Co., was taking a vacation with his wife at their old home in Pennsylvania. Besides his wife, he is survived by three daughters and a son.

Miss Anna L. Westman

Miss Anna L. Westman of the firm of Westman & Getz, florists, 5923 Euclid ave., Cleveland, died at her home, 1935 E. 57th st. on July 31, after a sickness of a few hours only. Strong to the last in her Christian Science belief that there was no such thing as disease of the body, Miss Westman died after refusing to have a doctor summoned. Heart failure is said to have been the cause of death.

Miss Westman was 45 years old. For the past seven years she had been engaged in the florist business with Miss Hester A. Getz, and the firm was well known in the East End. She has lived in Cleveland for a number of years, although her birthplace was Sweden.

Henry B. Kienahs

Henry B. Kienahs, an old time florist of LaCrosse, Wis., died on July 25 at his home, 1340 Madison st., in that city.

Mr. Kienahs was born in Pomerania, Germany, 86 years ago, and learned the florist trade in Berlin, where he went into business. At the age of 25 he married, and with his wife came to America direct to La Crosse, which has been their home ever since, and where in 1866, he established a small greenhouse, the nucleus of the present establishment, which two years ago was taken over by his son Theodore, when the disease that resulted in Mr. Kienahs' death first appeared. Until that time he had never known a day's illness. Beside his widow he is survived by the son mentioned, and three daughters. At the funeral the honorary pall bearers were florists.

CLUBS and SOCIETIES

Florists' Club of Philadelphia

A regular meeting of this Club was held at the Club Rooms, Horticultural Hall, on Tuesday evening, August 2, President Joseph Heacock in the chair, and George Watson acting as Secretary in the enforced absence of David Rust.

J. Otto Thilow, reporting for the essay committee, announced Robert Kift as the essayist of the evening. He also suggested that there be no essay read at the September meeting, but that those attending the S. A. F. convention be called upon to report. The suggestion was adopted.

The name of Robert Jamieson of Edgewood, Pa., as a candidate for membership, was presented by Joseph Heacock, and the nomination was seconded by George Watson.

John Westcott, chairman of the committee on transportation, stated that he had no further report to make, but, as stated previously, the railroad fare to Rochester was $8.35, with a 3-5 fare for a return ticket, or traveling ten or more together the fare was $7 each way. It was then voted that the members travel together, each paying Mr. Westcott $8, the difference between that sum and the car fare, $7, to be used for buying refreshments, and that the members take the 10 a.m. train on Monday, August 15, on the Lehigh Valley R.R., arriving at Rochester at 9.30 the same evening.

Dennis Connor, chairman of the bowling committee, reported the names of those making the S. A. F. convention bowling team, with their scores, as follows:

	No. of Games.	Pins.	Average.
Robertson	39	6678	171 9-39
Graham	24	4034	168 1-12
Batcheler	38	6254	164 1-9
Dodds	36	5866	162 17-18
Connor	37	5919	159 36-37
Addleberger	35	5474	156 2-5

After a spirited debate a motion was adopted authorizing the payment of the railroad fares of the bowling team.

Robert Kift of Philadelphia then read an essay on "The Mission of the Trade Paper." This essay took up quite exhaustively the uses of the trade paper, was read in a clear and spirited manner and was well received. It is published elsewhere in this issue of the EXCHANGE. A vote of thanks was tendered to Mr. Kift. Remarks followed by Messrs Thilow and Watson.

On a call by John Westcott for the names of those who would attend the S. A. F. convention, twenty names, including the bowling team, were handed in.

Buffalo Florists' Club Outing

The annual outing of the Buffalo Florists' Club was held on Wednesday, July 27. It was an ideal day until about 6 p.m., when a storm came, with just enough rain to spoil the ball game. A few of the regulars did not attend, but the crowd was larger than in previous years. All those who did attend said that they had the time of their lives. The outing was held at Fort Erie Beach, one of our Summer resorts across the river. The stadium where the games were held is one of the finest in the country, and newly built. The games were all run off very smoothly, with the able assistance of Louis Neubeck. After the games a dinner was served at the Erie Beach Hotel, to which all did justice. In a short speech Mr. Neubeck thanked the committee in charge of the outing, Wm. Grever, E. C. Brucker and Jos. Sangster, and said that he hoped to see all the faces again at the Rochester S. A. F. convention.

The Prize Winners

Boys' race, boys under 18—1, Jimmy Zimmerman; 2, J. Santner; 3, J. Voll; 4, Elmer Neber.

100-yard dash, handicap—1, Revere Kinkel; 2, Roder Kinkel; 3, Tom Tobin; 4, R. Kloken.

Quarter-mile walk—1, Revere Kinkel; 2, Arthur Hey; 3, Russel Mark; 4, E. Stuntz.

Tug-of-war, Greenhousemen vs. Storemen—Won by the Storemen.

Ladies' race—1, Miss Jensen; 2, Mrs. Smith; 3, Miss Berner.

Children's race—1, Vertie Slattery; 2, Beulah Slattery; 3, Harry Longley; 4 Lydia Forback.

Men's race, men between ages of 30 and 40—1, S. A. Anderson; 2, E. Hock; Z. E. Slattery.

Three-legged race—1, Walther and Grever; 2, Kinkel Bros.

Potato race—1, E. Walther; 2, Revere Kinkel; 3, Roder Kinkel; 4, Emil Stuntz.

Hop, skip and jump—1, David Scott, 36 ft. 2 in.; 2, Revere Kinkle, 35 ft. 6 in.; 3, W. H. Grever, 34 ft. 9 in.

Baseball game, 2 innings played, between Growers and Retailers—won by the Growers, score 8 to 1. Game stopped by rain. W. H. G.

Maryland State Hort. Soc.'s Outing

The annual Summer outing of the Maryland State Horticultural Society was held on Thursday and Friday, July 28 and 29, at Berlin and Ocean City, Md. The Gardeners and Florists' Club of Baltimore was well represented. The start of the Baltimoreans was made at 6.30 a.m. Thursday morning, from Light st. wharf, on the steamer Cambridge for Claiborne, thence by train to Berlin, reaching there about 1 p.m., where all became the guests of J. G. Harrison & Sons, the well known nurserymen. The trip down the bay was an enjoyable one. The members were entertained in many ways. As the train pulled into Berlin, the Delmar band struck up "Maryland! My Maryland," and the guests were escorted to the beautiful lawns of the Harrisons and entertained with band concerts. A good gathering was on hand, and the meeting of old friends was very enjoyable. Two large and beautiful tables were set, handsomely decorated with pyramids of luscious fruits and floral pieces. Dinner was served to about 500 people and everyone did full justice to the excellent fare. After, and before dinner large tubs of ice cold lemonade and an abundance of large Peaches were freely discussed. The young ladies of the town acted as waitresses and helped the guests to the good things, and the band kept everyone in good humor. At the end of the feast the band played "Nearer, My God To Thee," after which Rev. Theodore F. Beauchamp opened the meeting with prayer.

Richard Vincent, Jr., president of the Society introduced Orlando Harrison, the chief host of the occasion, who made an address of welcome. His speech was a striking one from start to finish. His assurance of welcome touched everyone present, and he was greatly applauded. President George Morrison of the G. & F. Club of Baltimore responded for the visitors, and in the course of an eloquent address, said he was sure everyone present was delighted with the entertainment, but he did not wish to forget himself so far as to give Mr. Harrison the entire credit for the hospitable welcome. He had, he said, some reason to believe, and perhaps others had also, that Mrs. Harrison had had something to do with it, and assuming that she had, he begged Mr. Harrison to convey to her the fullest appreciation and sincere thanks of the Society. Nevertheless, he continued, the Society was indebted to Mr. Harrison in more ways than one. He had done much for the furtherance of its objects, and had given it material assistance, his precious time, and wise counsel. Furthermore, he had there, within the environs of Berlin, an object lesson, both in magnitude and order a practical demonstration of what could be done with soil by the application of business methods, foresight, system and ability.

Richard Vincent, Jr., president of the Society made a very interesting address. He stated his belief that Summer outings and horticultural exhibitions were bringing together the best elements that were to be found, and the money expended for such occasions returned a hundred fold. "Let us have more farmers' meetings and more exhibitions; and show to the people of this grand old State, and the world, the rich inheritance we own," he said. "We should educate our representatives in the Legislature to the fact that there is no way in which the State can be benefited better than by giving a good round sum toward amount of our products per acre, so give us a chance to show what we really can do." In regard to the Society's 1910 exhibition, he said: "While this is a subject near my heart, and I have given considerable time and thought to it, of course, I can only report progress, such progress that if all plans laid are carried out, and the help promised is given—and we have no reason to think otherwise—we shall open up one of the most wonderful exhibitions that the State has ever seen on Nov. 28, 29, 30 and Dec. 1-2. The Fifth Regiment authorities have given the use of their building for those dates and promised to help and assist in any way possible. We have assurance that the park board of Baltimore will give us the use of Palms, flowers and lend their assistance to lay off beds, and groups of plants, making a certain section park-like in its appearance and beauty." Continuing, he said: "Then we look to the flower men, who can always be relied upon to make things beautiful, and with the wide interest that they have taken in the forthcoming exhibition, their kind words of cheer and their promises make my heart glad and bright as the beautiful surroundings we hope to have. Even our Washington florists have promised us some of the best Roses that have ever been produced in and around Washington." Concluding, he said: "May the Great Master above bless and guide our efforts is my earnest wish, and also the wish of every good and true citizen of our State, Maryland, My Maryland."



Geo. Morrison

Pres. Gardeners' and Florists' Club, Baltimore, Md.

Congressman J. Harry Covington of Easton, Md., was also a speaker who kept the gathering interested, and his talk was well appreciated and heartily applauded.

W. F. Gude, of the Florists' Club of Washington, made an interesting speech, and regretted that a large delegation from Washington was unable to attend owing to the bad connections between the railroad and steamboat. However, he was glad to be present, he said, and had received a royal welcome. He thought if his brother florists were fully aware of the delights of this meeting they would be glad to stay up two days and nights.

After a short rest the guests were collected where teams of all descriptions were waiting to drive through the two thousand acres forming the nurseries. The day was an ideal one for the occasion, and the trip was heartily enjoyed. On the return the band again entertained the guests with music. Supper was served at 7 p.m., for which all had excellent appetites. During the repast the band played continually, and at the conclusion G. O. Brown cordially thanked Mr. Harrison for his entertainment, and three hearty cheers were given.

The party left Berlin at 8 p.m. for Ocean City where they were entertained by the Eastern Dramatic Association, after which the guests made for their hotels.

On Friday, at Ocean City, various amusements were indulged in, of which bathing seemed to be the most popular. Sailing trips were also enjoyed, and at night bowling was a feature of the enjoyment. Space will not allow the writer to give a full account of all the doings as they would almost fill a newspaper. Those who participated in the pleasures of the outing owe many thanks to Richard Vincent, Jr., who worked hard to make the occasion a success. Among those who took in the trip were: Mr. and Mrs. George Morrison, Mr. and Mrs. James Boone, Mr. and Mrs. F. C. Bauer, Mr. and Mrs. Richard Vincent, Jr., Mr. and Mrs. Jacob Keplinger, Mr. and Mrs. P. C. Erdman, Mr. and Mrs. C. L. Seybold, Mr. and Mrs. William Lehr Mr. and Mrs. Isaac H. Moss, Mr. and Mrs. R. L. Graham, Mr. and Mrs. James Glass, Mr. and Mrs. Harry A. Kline, Mr. and Mrs. Graft Anderson, Mr. and Mrs. Cordner, Prof. C. P. Close, Mrs. Della Primrose, Misses Daisy Woodfall, Ada Keplinger, Anna Vincent, Beulah Stevenson; Messrs. T. B. Symons, N. F. Flitton, Wm. Bayer, B. Nuth, L. Bartell, John Nuth, N. Christy, Martin Duckstein, Thomas Stevenson, Conrad Hess, Andrew Anderson, William Anderson, G. O. Brown, James L. Towner, C. Wagner, T. Woodfall, C. Gregorius, Robert Gregorius, D. Hamilton, W. T. Gude, A. Gude.

Lenox (Mass.) Horticultural Society

The annual show of perennials and hardy annuals of this Society was held in the Town Hall on July 20. Although the entries fell rather short of last year's number, the high standard of all the exhibits was fully maintained, especially so in Sweet Peas, those dreams of color and refinement, fit rivals to the Rose. The good old Queen of Summer will surely have to hustle to hold her own in the future.

At first glance the exhibition was not unlike a National Sweet Pea Show on a smaller scale, but smaller only in number of exhibits, not in uptodate varieties, or quality of the blooms. The winning exhibit of the big Sweet Pea class came from the High Lawn House Gardens (Gdr. G. Foulsham), but this exhibit required no judging, it stood out by itself, length of stems, purity of colors, and, in fact, all the points that go towards coming out on the top. The varieties were Florence Morse Spencer, Miss Wilmott, F. Dolby, John Ingham, Tennant Spencer, Othello, E. J. Castle, Helen Lewis, Helen Pierce, Queen Alexandra, Countess Spencer and Lord Nelson. Another display (not for competition) which was one of the features of the show, was a collection of 34 varieties of Sweet Peas from Mrs. J. Sloane (gdr. A. J. Loveless); they were arranged with much taste, in low bowls, and showed their beauty to full advantage. Mr. Loveless was awarded a diploma of merit for this exhibit and he deserved it.

The hardy perennials staged by Mrs. J. E. Parsons (gdr. R. Spiears) and W. D. Sloane (gdr. F. Heeremans) would be hard to beat anywhere, or even equaled; they stood for choice and quality right along the line. I guess the judges would feel as if they could not do right, for fear of doing wrong. The same may be said of the annuals; they were 22 carat. It was a hard tussle between J. E. Parsons and J. E. Alexandra (gdr. W. Jack) who demonstrated in a practical way what beautiful subjects can be grown in hardy annuals.

Another very interesting class was one of hardy fruits. Mrs. J. E. Alexandra and Chas. Lanier (gdr. A. H. Wingett) were the principal exhibitors, the former taking first place. The collection consisted of red, black, and white Currants, red and yellow Raspberries, Loganberries, Blackberries, outdoor Melons and Gooseberries. Other exhibits of fruit were of equally high standard.

The Lenox Show holds a unique position among all the shows the writer has ever had the pleasure of being associated with. The only prizes offered are cards, but this fact does not diminish the keenness of the competition a fraction. Exhibitors ask no quarter, nor do they give any. The Society is looking forward to the time when its members will have got beyond the pioneer stage of existence, when the work they are doing will be recognized in a substantial manner. I feel like raising my hat in humble respect to this body of gardeners, who have toiled unselfishly, without remuneration, in trying to place the Society on a sound financial basis. More power to them!

I have met men, who know the shows of this country better than I do, who don't hesitate to say that Lenox shows have no rivals. That's a big order, but I guess it will have to stand.

John Lewis Childs, of Floral Park, N. Y., had a great display of Gladioli, the best of them being Wild Rose, Contrast, America, Sulphur King, Mrs. R. A. Goldsmith, Attraction, Princess of India, Harlequin, Ruby, and Melrose. But special note should be made of a vase of Gladiolus Dawn, exhibited by F. Heeremans. It was grand.

The judges were Mr. H. Allan, gdr. to F. Vanderbilt, Hyde Park, N. Y., and J. R. Shields, Dalton, Mass., whose awards gave satisfaction all round. The thanks of the Society are due to Mr. MacConnacchie for the courteous and businesslike manner in which he managed the show.

JOSEPH W. PYBUS.

Our Rochester Convention Number

Promises to be as fine as any we have ever issued, and our advertising patronage is going to be heavy, indicating that business will shortly be again in full swing. Advertisers should not miss the golden opportunity we present in our issue of Aug. 13.

Copy wanted by Wednesday next.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Rose grower with 18 years' experience. Address A. G., care The Florists' Exchange.

SITUATION WANTED—By young man as Rose Grower; first class experience. Address A. A., care The Florists' Exchange.

SITUATION WANTED—In Rose or Carnation houses or as general greenhouse man. Address F. J. T., 132 Guernsey St., Brooklyn, N. Y.

SITUATION WANTED—As foreman by first class grower of Roses, Carnations and general stock; 25 years' experience, good reference. Address A. O., care The Florists' Exchange.

SITUATION WANTED—By German florist with 20 years' experience in Europe and America; married. Private or commercial place. Address Frank Tauser, Route 2, R. F. D., Annapolis, Md.

SITUATION WANTED—By gardener and florist; German, single, 23; some experience as assistant. Private or commercial place. References. Address Akermann, 406 E. 5th St., New York City.

SITUATION WANTED—By Rose and Carnation Grower, single, good experience; willing to go as assistant. References. Charles Roth, General Delivery, Post Office, New York City.

SITUATION WANTED—As foreman by first class grower of Tea Roses and Beauties; 25 years' experience, sober and reliable. Address "Reliable," care The Florists' Exchange.

SITUATION WANTED—By young man, 9 years' practical experience in Carnations, 'Mums, Sweet Peas and general stock. Can furnish best of references. Address A. F., care The Florists' Exchange.

SITUATION WANTED—By married man as foreman where charge is given. First class grower and propagator of cut flowers, Easter and bedding plants. References. Address A. I., care The Florists' Exchange.

SITUATION WANTED—By assistant gardener for inside or outside work. Good grower of Roses, 'Mums and general stock. Single, 28 years of age. References. Address A. D., care The Florists' Exchange.

SITUATION WANTED — By competent grower of Carnations, 'Mums, and all kinds of pot plants; 18 years' experience in this country. German, single. Address J. Risasher, 117 East 17th St., Paterson, N. J.

SITUATION WANTED—By young man, American, 4 years' experience, growing Roses, cut flowers and bedding stock; sober and honest. Kindly state wages and particulars. Address A. B., care The Florists' Exchange.

SITUATION WANTED—By gardener, German, one year in this country, on or about September 1st. Well acquainted with pot plants; good designer and maker-up. Best of references. Address giving full particulars, A. N., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, German, middle aged, with experience in Carnations, 'Mums, and any kind of pot and bedding plants; good greenhouse man; able to take charge of retail place. Steady position expected. Address E Brueckner, Post Office, Allegheny, Pa.

SITUATION WANTED—By Frenchman, 34, married, as head gardener or working gardener. Thoroughly competent on under glass and outside work. Large or small private place. Advertiser speaks English, but not much. References from present employer. Address J. Quentin, 53 Strawberry Hill, Stamford, Conn.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober; good worker; a first-class all-around man. 25 years' experience from first-class private and commercial places on underglass and outside work. Experience in growing Roses, Carnations, Chrysanthemums, good designer and maker-up. Only a well-kept and up-to-date place desired. First-class references. Please state wages and particulars in first letter. Address W. B., care Mr. Blasberg, 2153 Seventh Ave., N. Y. City.

HELP WANTED

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—A No. 1 Rose Grower, single; good salary paid. Apply by letter only, sending references, B., c|o Knight & Struck, 1 Madison Ave., New York City.

WANTED—Single man with experience in Carnations, 'Mums and bedding plants, also in building; must be sober and industrious.

H. B. Thompson, Canonsburg, Pa.

WANTED—A general greenhouse assistant for private place. Must furnish good references; $35.00 and board to begin, more if satisfactory. Position now open. Address A. M., care The Florists' Exchange.

ASSISTANT FOREMAN WANTED—In Rose and Carnation houses. Must be capable of taking charge when necessary. Wages $80.00 per month. Address giving full particulars, A. K., care The Florists' Exchange.

WANTED AT ONCE—A first-class, practical gardener, single man preferred. Salary about $60.00 per month and promotion for the right man. Address Hort. Dept., Miss. A. & M. College, Agricultural College, Miss.

WANTED—Assistant in American Beauty houses. Single man preferred. State full particulars, reference and wages desired. A good permanent position to the right party. Address A. L., care The Florists' Exchange.

WANTED AT ONCE.

Reliable and experienced nursery foreman acquainted with propagating ornamental stock and care of Herbaceous Perennial grounds. State particulars and send references. Address Southworth Bros., Nurseries, Beverly, Mass.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeslager, Mt. Clemens, Mich.

WANTED—A single man as assistant on private place; must have experience in growing Carnations, Chrysanthemums and general greenhouse stock. Swedish, German or Dane preferred. Only strictly sober man need apply. Address Box 91, Scarborough, N. Y.

ROSE GROWER WANTED

An experienced Rose Grower and man to assist in general greenhouse work.

A permanent and satisfactory position for a temperate and capable man. Send references.

R. G. HANFORD, Norwalk, Conn.

Wanted—A Good Beauty Grower

For a private estate, must be able to produce results. Wages $65.00 per month, with advance as soon as you make good. Write with references to

ARTHUR T. BODDINGTON
Seedsman 342 West 14th Street
NEW YORK CITY

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Asparagus Sprengeri, 3½-in. pots, strong stock, 4½ cents each. Cash. Thos. R. Fries, Lancaster, Pa.

STOCK FOR SALE—Smilax, 2½-in. pots. $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

MARIE LOUISE VIOLET PLANTS—From benches, very strong plants, $2.00 per 100, $15.00 per 1000. Cash with order, please. F. M. White, 74 Warrall Ave., Poughkeepsie, N. Y.

STEVIA—Well rooted, 76c. per 100. Polly Rose and Glory of Pacific Chrysanthemums, at 75 cents. Smilax, 2-in., at $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

CHRYSANTHEMUMS

Fine large splendid Rooted Sand Cuttings; 1000 Appleton, 1000 Enguehard, 2000 Eaton, 4000 Bonnaffon, 1000 Jones, $1.25 per 100, $10.00 per 1000. Cash, please. Wm. Becker, Box 48, Farmingdale, L. I.

ROSE PLANTS—Fine, clean, healthy stock: Maids, 4 inch, $6.00 per hundred, $60.00 per thousand; American Beauty, 3 and 4 inch, $8.00, $10.00 and $12.00 per hundred. Cash with order. Louis R. Noe, Madison, N. J.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

STOCK FOR SALE

MISCELLANEOUS

ROSE NOVELTIES

Grafted and budded stock of all the latest varieties, may be secured by applying to

T.A.Weston, St. John's Road, Orpington, Kent, England

CYCLAMEN PERSICUM GIGANTEUM

In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.

J. W. MILLER. Shiremanstown, Pa.

GOOD PLANT STOCK.

5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
300 Gardenias (extra fine), at 15 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

CHOICE PRIMULAS, FROM POTS.

PRIMULAS—From 2 in. pots, frame grown, no better strain in existence. Obconica Grandiflora and Fimbriata, Ronsdorfer and Lattmanns, unrivalled hybrids, 14 colors or mixed 2 cents, Obconica Gigantea, 3 colors or mixed, 3 cents. J. L. Schiller, Toledo, Ohio.

CARNATIONS Extra heavy plants. Planted out in field first week in April. 2000 **Enchantress**, Pink, 2000 **Enchantress**, White, 700 **Beacon**, 300 **White Perfection**, $6.00 per 100. I have decided to cut down my space given to Carnations by one half, therefore the surplus stock is in a fine shape. Stewart, The Florist, Morgantown, W. Va.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 60c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $6.00 per 100. Salvia, Bonfire out of 3 and 3½-in. pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $16.00 per 1000 or $2.00 per 100. Cash with order.

P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

FOR SALE OR RENT

FOR RENT—Two modern greenhouses, almost new, each 86 x 16 feet, nine miles from New York, five minutes from train and trolley. P. R., 669 Sanford Avenue, Flushing, L. I., N. Y.

FOR SALE—Well established retail florist business, greenhouses, store and dwelling; all in good condition. Good reason for selling. For further particulars address Z. C., care The Florists' Exchange.

FOR SALE—8 room house and basement store; good location for greenhouse. Fifty-five ft. on good avenue; over 300 ft. deep. Apply to Geo. O. Borton, 1342 Park Ave., Bridgeport, Conn.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FLORIST BUSINESS FOR SALE.

I am willing to sell my flower store which is located in a fine section of Brooklyn, N. Y. Doing a good business. Low rent. No other flower stores around the neighborhood. Stock, including furniture and heating, $250.00. For full particulars address A. E., care The Florists' Exchange.

FOR SALE—A good florist establishment on Long Island. A1 condition; consisting of 8 greenhouses stocked with Carnations and bedding plants. The best of trade. Land worth $10,000. Will sell to quick buyer for $8,000 cash. All chances to make big money. For particulars address A. P., care The Florists' Exchange.

FOR SALE—The property of a well established florist, opposite the new West Hudson County Park. The same contains six city lots, five greenhouses, dwelling house, barn, two good boilers, all in good condition; a picturesque place, easy distance to New York City, one block from trolley line; five minutes' walk to Erie Depot. The owner is selling on account of old age. Advertiser has been established for past 40 years. Address, J. G. Perry, Schuyler ave., Kearney, N. J.

FOR SALE—A live, paying greenhouse establishment in a thriving New England city surrounded by summer resorts. A good business proposition netting a good income for either one or two men. Eight thousand feet of glass with fine office building, all in good repair. Business can be easily doubled. Will be sold either with or without two story dwelling house. Not a run down business, but a paying proposition sold to settle an estate. Address A. Q., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—A successful florist must dispose of his establishment on account of old age and being paralyzed. It consists of five greenhouses, good water supply throughout; all improvements. House, six rooms, stable, wagon sheds, horse, three wagons, all tools, etc. Situated at Warren Point, New Jersey. Hudson River Trolley line from Fort Lee Ferry to Paterson (where a good market is found) passes the place. A good chance for an energetic man. Chas. Stellmacher, Warren Point, N. J. (Stop at 54th Street.)

SUNDRIES FOR SALE

FOR SALE—20 H. P. high pressure upright steam boiler, in A1 condition. Cash $35.00. Geo. W. Sutherland, Athol, Mass.

FOR SALE—Rider compression hot air pumping engine, 6 in., good as new; capacity 1000 gallons per hour, price $75.00. Dean Ferris, Peekskill, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—1 Furman hot water boiler No. 8, in good condition. Come and see it working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Mercer hot water heater, used only two years in good condition. Capacity, 1500 square feet, all parts, Price $63.00. R. C. Vernes, 175 Senator St., Brooklyn, N. Y.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—One Holly hot water Circulator with electric motor attached; guaranteed to be in first-class working order, 150 gallons per minute, is as good as new. Cost $250—will sell for $100. Also one-half h.p. Electric Motor and steel blower for burning coal screenings. f.o.b. cars or steamer. Apply to Carl Beers, Bangor, Me.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent conditinn.
1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE—1 No. 17 Hitchings Boiler, used about five years, in excellent condition, except piece of base broken, price $70.00, f.o.b. Newark. Also 1 No. 5 Lord & Burnham Boiler, 1 piece and base, just as new, 4 years old, price $65.00. A lot of 200 sash, glazed with 10x14 glass, size 4 ft. x 8 ft., price for all if taken at once, 80 cents each; also 100 boxes of 10x12 and 10x14 glass, double thick, at $1.50 per box. M. Tomback & Co., 24 Avon Place, Newark, N. J.

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($35.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass, 10x12, at $1.25 each. 20 cents for box extra.

ROBT. A. ELLIOTT, Morristown, N. J.

FOR SALE—One 40 horse power horizontal tubular boiler, capacity about 4000 square feet, steam radiation; can be used for hot water up to, say, 6000 square feet. Boiler complete with front, grate-bars, etc.; has been tested to 75 pounds and is in good condition. Price $180.00, delivered f. o. b. cars New York. This is a bargain. R. C. VERNES, 175 Senator Street, Brooklyn, N. Y.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, August 10.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—Small retail business or store of beach location, handling fruit as a side line. Preferably near or in Boston. Address A. C., care The Florists' Exchange.

WANTED TO LEASE AT ONCE—With privilege of buying retail greenhouse or nursery. Reasonable terms. State full particulars in first letter. Box 97, Jersey City, N. J.

THE annual meeting of THE FLORISTS' HAIL ASSOCIATION will be held at Convention Hall, Rochester, N. Y., on Thursday, August 18th, 1910, at 9 A. M.

JOHN G. ESLER, Sec'y

NOTICE. Dr. Franceschi of Santa Barbara, California, who, since 1893, has introduced, tested and distributed more foreign plants than any other private individual or any commercial firm in the United States, having withdrawn entirely from the Southern California Acclimatizing Association, will continue his scientific work of introducing and experimenting upon useful or ornamental plants at his residence of Montarioso, City of Santa Barbara, California. The Montarioso Nursery, of which Miss E. F. Franceschi is Proprietor, and Cammillo F. Franceschi is Manager, will be the Sole Distributor of Dr. Franceschi's new introductions. Price list and information free. P. O. Box 1500. Santa Barbara, California.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**

Please mention the Exchange when writing.

PRINTING FOR POULTRYMEN

Any standard cut of Fowl used free of charge. Samples 10 cents.

FRED. A. SOTTER

Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Randolph Avenue, **Jersey City, N. J.**

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.46c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Rosbling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, servicaable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.



John Robertson

Pres. Washington Florists' Club.

Washington (D. C.) Florists' Club

A jollier lot of florists than those who sat around the festive board of Edw. S. Schmid at Eagle's Hall on the night of Aug. 2 would be hard to find. The occasion was the regular monthly meeting, which was well attended, and of short duration. The business was transacted in the room and over the tables which afterward upheld the bounteous layout, Pres. Robertson presiding. The room was literally covered with flags, giving place here and there to good sized Kentia Palms, while in another end were also Palms and vases of cut flowers.

The names of Edw. L. Bowers, mgr. S. S. Pennock-Meehan Co., and T. S. Stone of the Weather Bureau, were proposed for membership and the usual committee appointed to investigate their eligibility.

Before ordering your supply of Winter-Flowering Begonias, see

J. A. PETERSON'S TRADE DISPLAY

AT THE S. A. F. CONVENTION IN ROCHESTER, AUG. 16th to 19th

New Begonia, Glory of Cincinnati

Begonia, President Taft

Begonia, Gloire de Lorraine

Begonia, Agatha

Also, New Dracaena Victoria

J. A. PETERSON, Wholesale Plant Grower, Cincinnati, O.

Please mention the Exchange when writing.

Albert Schnell, mgr. of the Florists' Exchange, whose name was proposed some time since, was admitted to membership.

Wm. F. Gude, chairman of committee for the next flower exhibition, told the Club of great and meritorious progression thus far, and further explained the committee's good fortune in being able to affiliate with the Householder's Exhibition, which has engaged Convention Hall, the largest in the city, for a period of two weeks. The second week of their exhibition, beginning Oct. 29, the 10,527 sq. ft. of floor space at south end of hall will be turned over to the flower exhibitors. In addition to Mr. Gude's sanguineness and frank assurances that this would be the banner exhibition of the Washington florists, Mr. Columbus, an official of the Houscholder's Exhibition, after paying a tribute to the florists, went on to state that everything new and novel pertaining to the perfected home, whether it be villa or flat, would be shown in detail. "We will draw the people," said he; "45,000 attended our Pure Food show in two weeks last year, and as money and effort in advertising will not be spared we confidently look for 75,000 upon the forthcoming occasion." Mr. Gude assured every man present that his aid would be needed and asked for hearty individual co-operation. The complete committee consists of Wm. F. Gude, W. W. Kimmel, E. C. Mayberry, Geo. H. Cooke and Jas. L. Carbery.

N. Hammer moved that the Club and trade papers take up and advocate "Parcels Post," and especially that the matter might receive due consideration at next S. A. F. Convention. The motion was carried.

Mr. Gude, acting as toastmaster, then formally introduced Edw. S. Schmid, host of the evening, with a glowing tribute, responded to by Mr. Schmid, in which he welcomed all and bade them feel at home, after which the meeting adjourned, and each member was handed a copy of the newly made amendment to the constitution and by laws of the Club as recently adopted.

At this juncture crabs seemed to rain down in great piles upon the tables, nice fat ones, the finest to be had, and "big sticks" to crack the shells. Dainty pickles in quantity and crackers were close at hand with soft drinks flowing like water.

Present from Baltimore were Messrs. R. Vincent, Jr. and wife, Chas. Seybold and wife, Mr. and Mrs. Fred Boone, Mr. and Mrs. Moore and Mr. Geo. Morrison, but as the ladies indulged in a ride to Glen Echo they were late getting in.

The president of the Md. Hort. Society, R. Vincent, Jr., was introduced and after a tribute to the florists of Washington, the host, and "big stick," spoke of his home and extended a most cordial invitation to his florist friends to visit him when Dahlias are in bloom. He spoke briefly, but asked the co-operation of the local Club in making their next State Horticultural Exhibition in Baltimore the best ever. In his remarks he termed the D. C. part of Md. and said it was a grand place, capable of producing the best in both flowers and people. He next told of their recent outing to Ocean City and visit to the Harrison Nursery Co. at Berlin, where they were cordially received and shown miles and miles of trees, terminating in an enormous peach orchard with all restrictions removed. Mr. Vincent hoped, as did his associates from the Monumental City, that the Washington florists would aid them in their endeavor to secure the S. A. F. and O. H. meeting in their city in 1911.

Wm. F. Gude strongly reiterated all said about the magnitude of the Harrison Nursery Co., with a final verbal seal—"If it isn't so my name isn't Gude."

"Gude-nough," yelled a florist punster, and a roar of laughter ensued. Geo. Morrison, president of the Baltimore G. and F. Club, was next introduced and made a short speech full of appreciation of the entertainment. Col. Montaghue, president of D. C. Eagles, was called to the floor and in most fluent and flowery language characterized floral art as the greatest calling in life.

Chas. Seybold of Baltimore and Thos. Grant, secretary of the Washington Chamber of Commerce, also made addresses which brought enthusiastic applause.

A vote of thanks was given Mr. Schmid.

JAS. L. CARBERY.

EVERGREENS

For August and September Planting

	Doz.	100
American Arborvitae, 4-5 ft.	$7.00	$60.00
3-4 ft.	6.00	50.00
	Each.	Doz.
Golden, 18-24 in.	$0.50	$5.00
Pyramidal, 18-24 in.	.50	5.00
Cypress Lawsonia, 2-3 ft.	.75	7.00
18-24 in.	.60	6.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis, 18-24 in.	.75	8.00
Picea excelsa, 4-5 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	25.00
18-24 in.	2.50	15.00
	Each.	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
12-18 in.	1.00	10.00

Roots dug with ball and burlapped, 10c. extra.

CALIFORNIA PRIVET

OCTOBER DELIVERY

2 Years, cut back and nicely branched.

	100	1000
Berberis Thunbergii, 3-4 ft.	$5.00	$40.00
2-3 ft.	4.00	35.00
18-24 in., very bushy	12.00	100.00
12-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO.,

The Burr Nurseries MANCHESTER, CONN.

Please mention the Exchange when writing.

Greenhouse Building

ELGIN, ILL.—G. B. Dawes is to erect a greenhouse and embark in the florist business.

ELGIN, ILL.—George Souster is building two additional greenhouses. The Foley Mfg. Co. of Chicago are the builders.

FALL RIVER, MASS.—The board of park commissioners is making additions to the greenhouse range at the Oak Grove Cemetery.

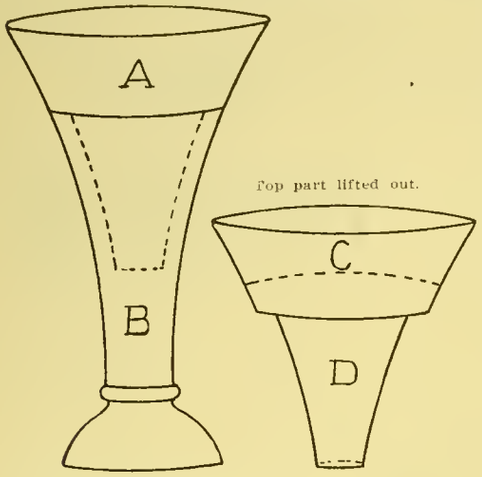
DOWS, IA.—The Larson & Shaffer Greenhouse Co., a new concern, is building a 40 by 90 ft. greenhouse as the nucleus of their plant.

COLUMBUS, O.—The John C. Moninger Co. of Chicago has been awarded the contract for the greenhouses to be constructed at the Ohio State School for

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, August 10.



Pettman's Patent Vase



A—Top portion which lifts out.
B—Lower portion which holds the water.
C—Perforated cap which holds flowers in place.
D—Lower part whereon the flower stems rest, perforated to allow water to reach them.

A New Flower Vase

At a recent exhibition, I dropped upon a new flower vase which has every promise of being a useful line for florists to handle. The inventor, S. L. Pettman is, I understand, shortly coming to America to introduce the vase on the advice of some friends on your side.

The vase, which is to be made in three grades, best electro plate, zinc and glass, differs from all others in having a cup-shaped top portion which lifts out from the water container without disturbing the flowers. Primarily the vase was constructed for showing Sweet Peas, but it is likely to be useful for many other flowers. A rough sketch of the new vase is shown herewith.

T. A. WESTON, Eng.

Of Interest to the Retail Florist

An organization of considerable importance to the retail florists of this country is the International Floral Association, which has opened an American office at 1328 Broadway, this city.

This organization has secured its European connections and is now engaged in developing an American service, thereby providing an international market for the distribution of flowers in every quarter of the globe.

The Association has been formed for prompt delivery and quick service of flowers to any part of the world, and is, by nature, co-operative, all sales being made direct, the member taking the order and making the actual sale. This order will then be wired or cabled to the member of the Association in the city, country or location where the order is to be filled, the dealer taking the order to receive 20 per cent.

We believe the idea an excellent one if representative members can be secured, for if these will co-operate in a well-defined publicity campaign there can be no question of the good that this organization will accomplish for its members, as well as in stimulating the florist's trade generally.

One thing to be commended is that membership is to be rigidly investigated, the Association demanding full references as to the integrity of proposing members before acceptance, thus assuring to the best of its ability full value being given on all sales, thereby protecting every other member.

The Association's idea is to have a reputable florist in each locality as a member, and it reserves the right to cancel the agency for the service at any time it deems advisable for the good of the service; this feature will serve as a deterrent over those members who might be inclined to disregard business ethics as to the proper value in sales, etc.

We think that the organization as a whole, with its present plans and foreign membership, an excellent idea, but our only objection to the plan is the fact that it might tend to create a monopoly, benefiting only such dealers as are fortunate enough to secure memberships as that fact, in itself, would tend to defeat the very principle on which its success is assured, viz.: the widest publicity.

The idea in itself—providing a simple and expeditious method of doing business between America and all European countries—is a good one, and we hope to see it mature into a sound commercial proposition. The business is waiting and it can be secured through publicity.

The advt. of this Association will be found on page 206.

Keeping Qualities of Flowers on the Ocean

With the shortening of the time in crossing the ocean the question of the transoceanic shipping of flowers and their uses for the decoration of the steamer apartments is coming to the front. Following the example of the Hamburg-American Line, the English lines are now beginning to decorate their ships. On recent trips great quantities of Roses, Tulips and Carnations were taken on board, and these showed some interesting results as to their keeping qualities under the new conditions of sea air. Among the Carnations, Pink Lawson kept the best. Branches of flowering shrubs kept four days; Roses a little less, and among these American Beauty and Bride appeared preferable to Killarney. Shipping experiments made with Marguerites some years ago had already shown that these flowers especially resist the changed atmospheric conditions; they not only kept splendidly during the then nine days' trip, but remained in blossom fully eight days after arrival, notwithstanding the advanced season.

In view of this growing demand of the ocean-going public to be surrounded by its accustomed luxuries, even at sea, progressive growers will consider well the keeping qualities of the stock sought for this special purpose. —*Der Handelsgaertner.*

An Aquatic Window

One of the most beautiful and unique aquatic windows ever seen in Washington, D. C., is that of Wm. Marché, shown in the photograph page 205, an original design throughout. The entire arrangement is complete and full of detail. One of the most conspicuous features is a series of three waterfalls, behind each of which is a small grotto of especially selected white flint, moss, and a red light, the last making the scene especially effective at night. Spanning the highest cataract is an arch-shaped bridge, rustic effect, leading to well placed ruins of an old castle and bluffs beyond. Beneath is a precipitous stone covered hillside leading down to a miniature lake, with moss, small Cedars and Pines, and red Ruscus, all worked out in detail and with ever pleasing well balanced irregularity. The entire framework of the large window is covered with imported white moss and thistles over our native moss, with rustic frame effect well corresponding with the picture it contains. The entire background is made up of Kentia Palms.

The tank, in shape, is a half circle front with the remainder angular, forming a corner. This contains an unusually fine collection of Pond Lilies in many shades, Water Hyacinths, Parrot's Feather, Cahomba, goldfish, and turtles, one of which latter bears upon its back the name Marché in gilt letters. Most appropriately gracing this small lake is a round rustic bower of bark, while leading shoreward in either direction are bridges of the same material, one section level, the other arched. Small Ferns, and pots of Moss located among the stone complete the front of the tank.

JAS. L. CABBERY.

An Attractively Designed Carpet Bed

We are enabled, through the courtesy of Ernest H. Volkmann, supervising florist at Ward's Island, New York City, to show the carpet bed herewith.

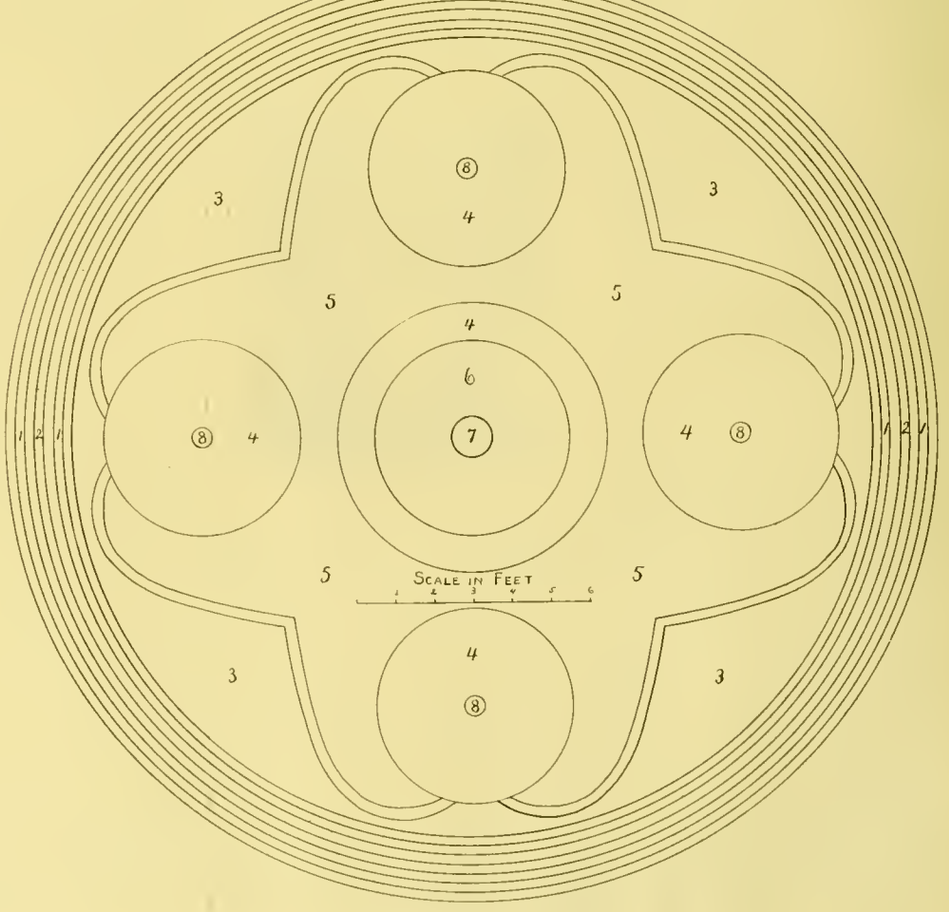
The key to the plan is as follows: 1, Alternanthera, red. 2, Echeveria secunda. 3, Santolina incana. 4, Coleus, black. 5, Coleus, yellow. 6, Coleus, red. 7, Dracæna indivisa. 8, Dracæna terminalis.

Mr. Volkmann is the gentleman who won first prize in The Florists' Exchange 1909 competition for best design and is a leading authority on this particular subject.

THE FLORISTS' EXCHANGE DESIGN BOOK

Every Retailer should have a copy of this valuable collection of designs on his desk. It can be obtained only through subscription for this paper; for terms of sale send for circular.

Items of interest to the retail trade are not necessarily confined to this Department but will be found scattered throughout our pages in each issue.



An Attractively Designed Flower Bed

By Ernest H. Volkmann.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Traine, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetton. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Eetablished 1870.

Winn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of New England. Also special delivery to any outgoing eteamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank F. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
California	Aug. 6	10.00 am.	W. 24th St., N.Y.	Glasgow
Minnewaska	" 6	10.00 am.	W. 16th St., N. Y.	London
St. Louis	" 6	10.00 am.	W. 23rd St., N. Y.	Southampton
Vaderland	" 6	11.00 am.	W. 18th St., N. Y.	Antwerp
Russia	" 6	2.00 pm.	Bush Dks. Bklyn	Lisbau-Rot'am
San Giorgio	" 6	2.00 pm.	Pier 22, Bklyn	Napls-Palrmo
K'r W. d. Gr'sse	" 9	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 9	10.00 am.	5th St., Hoboken	Rotterdam
Oceana	" 9	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Mauretania	" 10	9.00 am.	W. 14th St., N. Y.	Liverpool
Pres Lincoln	" 10	10.00 am.	1st St., Hoboken	Hamburg
Oceanic	" 10	3.00 pm.	W. 21st St., N.Y.	Southampton
Luisiana	" 11	12.00 m.	Bush Dks, Bklyn	Naples-Genoa
Barbarossa	" 11	10.00 am	3rd St., Hoboken	Bremen
La Bretagne	" 11	10.00 am.	W. 15th St., N.Y.	Havre
Venezia	" 11		Pier 33, Bklyn	Naples
New York	" 13	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 13	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Lapland	" 13	11.00 am	W. 18th St., N. Y.	Antwerp
Celtic	" 13	12.00 m.	W. 21st St., N. Y	Liverpool
Minneapolis	" 13	11.00 am	W. 16th St., N.Y.	London
Furnessia	" 13	12.00 m.	W. 24th St., N.Y.	Glasgow
Amerika	" 13	12.00 m	1st St., Hoboken	Hamburg
Ryndam	" 16	10.00 am	5th St., Hoboken	Rotterdam
Geo. Washington	" 16	10 00 am.	3rd St., Hoboken	Bremen
Lusitania	" 17	9.00 am.	W. 14th St., N.Y	Liverpool
Oceania	" 17	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
Majestic	" 17	3.00 pm.	W. 21st St., N. Y.	Southampton
La Provence	" 18	10.00 am.	W. 15th St., N. Y.	Havre
United States	" 18	2.00 pm	17th St. Hoboken	Copenhagen
Graf Waldersee	" 18	3.00 pm.	1st St., Hoboken	Hamburg
Volturno	" 18		Pier 38, Bklyn	Rotterdam
Columbia	" 20	9.00 am.	W. 24th St , N. Y.	Glasgow
Cincinnati	" 20	10.00 am.	1st St., Hoboken	Hamburg
Minnetonka	" 20	9 30 am	W. 16th St., N.Y.	London
Carmania	" 20	10.00 am.	W. 14th St., N.Y.	Liverpool
St. Paul	" 20	10.00 am.	W. 23rd St., N.Y.	Southampton
Cedric	" 20	10.00 am.	W. 21st St., N.Y.	Liverpool
Kroonland	" 20	11.00 am	W. 18th St., N. Y.	Antwerp
Koeoigin Luise	" 20	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
D'a D' Abr'zzi	" 20	12 00 m.	W. 34th St., N. Y.	Naples -Genoa
Lituania	" 20	2 00 pm.	Bush Dks. Bklyn	Rotterdam
Bordeaux	" 20	3 00 pm.		Havre
Germania	" 20		Pier 33 Bklyn	Naples
From Boston				
Romanic	Aug. 6	11.00 am	B& M Dks, Char.	Azores-Gib Napls-Gen
Cymric	" 9	12.00 m.	B & M Dks. Char	Liverpool
Aoglian	" 12	4.00 pm	B & M Dks. Char	London
Saxonia	" 16	6.00 pm.	B&A Dks. E. Bos	Liverpool
Numidian	" 19	9 00 am.	MystlcWhf, Char	Glasgow
Winnifredian	" 20	9.30 am.	B&A Dks. E. Bos.	Liverpool
Philadelphia				
Merion	Aug. 6	10.00 am.	53 So. Wharves	Liverpool
Friesland	" 13	10 00 am.	53 So. Wharves	Liverpool
Menominee	" 19	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 20		24 No. Wharves	Glasgow
San Francisco				
Mongolia	Aug. 9	1.00 pm.	1st Street	Honolulu
Tenyo Maru	" 16	1.00 pm	1st Street	Japan
Korea	" 23	1.00 pm	1st Street	Chioa

W. S. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders Long distance telephones.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

J. A. Valentine, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway

Our Motto—THE GOLDEN RULE — Phone 2270 Murray Hill.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 207



Aquatic Window by Marche, Washington, D. C.

Clinedinst, Photo.

Description on page 204.



ORDERED IN YOUR STORE

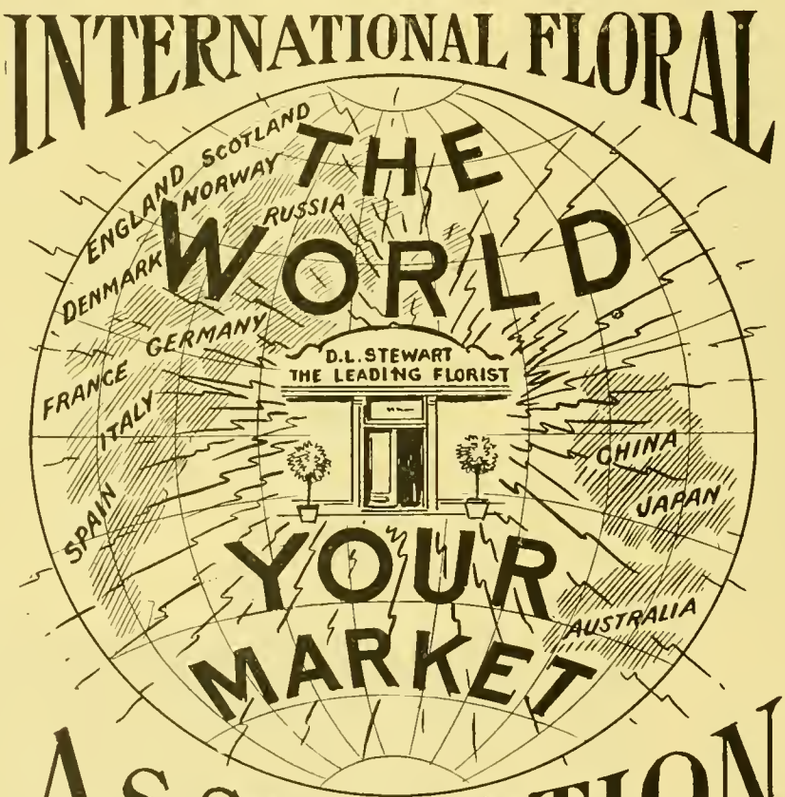
INTERNATIONAL FLORAL ASSOCIATION

We are now ready to contract for the American memberships to the International Floral Service for prompt delivery to any part of the globe.



DELIVERED ANYWHERE, FOREIGN OR DOMESTIC.

WE have contracted for our European connections and are in a position to deliver flowers promptly in Canada, England, Germany, Ireland, Scotland, Austria, Hungary, Belgium, Denmark, France, Italy, Luxemburg, Netherlands, Norway, Sweden and Switzerland, China and Japan, and other countries where there are florists.



WE will shortly inaugurate a publicity campaign advising the public that the service is ready and that they can have prompt deliveries through their local florists for weddings, funerals, parties and birthdays, or for any occasion where flowers are to be delivered to any part of this country or Europe.





AN Interstate service for America is now in process of organization.

The membership will be limited to a reputable florist in each locality; those desiring membership should write at once, to address below, with enclosures of five good references as to their *business integrity*, not financial standing. This is to insure promptness as well as to guarantee that *full value will be given for every dollar received.*

We will not consider an application for territory without the above references.

INTERNATIONAL FLORAL ASSOCIATION
1328 Broadway NEW YORK CITY

References as to Financial Standing on Application
Please mention the Exchange when writing.

EVERY DAY

New Fresh Ribbons come from our Looms; these are the qualities we offer

DIRECT TO THE FLORIST

Lowest prices, best qualities.
Samples will prove assertions; postal brings samples.

The Pine Tree Silk Mills Company
Philadelphia, Pa.

Please mention the Exchange when writing.

New Crop Ferns Now Ready

75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co.,

Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO.

113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roppings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER

122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N.J.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



James Furtunes & Bro.

70 Liberty Street,
Brooklyn, N.Y.

Large Stock of Galax on Hand

at $7.50 per case, F. O. B.

Please mention the Exchange when writing.

A Modest Pair

I know a little country lass
Who blushes very red
When passing through the garden where
Sweet William lies in bed.

Her brother is about the same,
A very modest lad.
He won't go near a pond for fear
He'd see the Lily pad.
—Boston Transcript.

New Bedford, Mass.

There is not much doing nowadays. Flowers are quite plentiful. Asters are in full bloom, some nice ones are seen on the market, retailing at 50c. and 35c. per doz. Carnations are poor and small; they sell at 35c. per doz. retail. Roses at $1 per doz.; Gladioli at same figure. Sweet Peas go at 50c. per 100, though they sell best in bunches.

We have had some good heavy rains of late and the lawns are beginning to look fresh and green once more; it has also helped stock in the field. 'Mums are growing nicely and looking very good.

The stores still close early and on Wednesday at noon.

M. B. Sylvia was in Boston last week and also visited the New England Nurseries at Bedford, Mass.

Phlox, Dahlias, Gladioli, Asters, Zinnias and a host of other flowers are in full bloom and present a fine sight. The weather the past week has been nice and cool. HORTICO.

Providence, R. I.

Saturday was Carnation Day in Providence. A good number of women and flower girls braved the drizzling rain to sell flowers of all sorts for the benefit of an outing, to be of two weeks' duration, for mothers and sick children at the Emily S. Chase Memorial Home, Oakland Beach, R. I. This movement is headed by the officers and members of the international branch of the order of King's Daughters and Sons. No stated price was asked for the flowers, a donation of some sort was all that was desired. They realized a nice sum, as some of the more generous handed out new crisp bills while others passed the fair venders dimes, quarters and half-dollars to the worthy cause.

T. O'Connor has had a busy week with funeral work, as well as in replanting his houses with Chrysanthemums, etc. On Saturday he donated for Carnation Day, 5000 Carnations, to be sold for the benefit mentioned.

W. H. O'Connor has leased a cottage for the month of August, at Seaconnet, R. I., and will leave Monday for a month's vacation.

W. S. Pino and wife left on Monday for a month's vacation at Quonochontaug Beach, R. I.

J. H. Cushing, Quidnick, R. I.; Wm. Crompton, East Greenwich, R. I.; D. E. Newell, Attleboro, Mass., and Ed. T. Buckingham, florist and nurseryman of Brooklyn, N. Y., were recent visitors.

E. McCarron reports business in general quiet.

Matthew Macnair says business during the past week has been just normal, with only a limited demand for cut flowers.

Robert Johnston of Johnston Bros. returned from his vacation on Monday and reports having had a fine time. Johnston Bros. have purchased a new ice box, which is to be installed in their Dorrance st. store.

The Market

Roses: Killarney, Richmond, Bride, Bridesmaid, firsts $3 to $5 per 100; seconds, $2 to $3; thirds, 50c. to $1; American Beauty, $5 to $25 per 100, according to quality. Carnations, poor quality, 50c. to $1 per 100. Asters, plentiful, 25c. to $1 per 100. Sweet Peas, 25c. to 35c. per 100. Lilies, $5 to $8 per 100. Gladioli; selected, $1 doz.; general run of stock, $4 to $8 per 100. Lily of the Valley, $3 to $5 per 100. Antirrhinum, $1 to $2 per 100. Adiantum Ferns, 50c. to $1 per 100. Centaurea 25c. per 100. Cut Ferns, $1.25 per 1000. Galax, $1 per 1000. H. C. N.

Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15 00 or more

Climax Manufacturing Co.
CASTORLAND, N. Y.

Please mention the Exchange when writing.



KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES

The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

New Crop Ferns

FANCY and DAGGER

Now ready for shipment.

Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10



We Take the Lead

IN WHAT?

WHAT FOOLISH TALK!

In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.

Robusta Compacta and Excelsa Glauca, 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-5-6 year old, 4-6-7 in. pots, 25-30-35-40-46 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

KENTIA Belmoreana, 4-5-6 year old, 4-6½-6-7 in. pots, 26-30-36-40 in. high, 26c.-50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

SAGO PALMS (Cycas Revoluta), long-leaved variety, 6-7-8 in. pots, from 6 to 20 leaves to a plant, 10c. per leaf.

COCOS Weddelliana, 3 in. pots, 15c., 20c., and 25c. each.

FERNS for Dishes, good assortment, 2-in. pots, $3.00 per 100.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Scholzeli,** 5½ to 6-in. pots, 35c.-40c.-50c.; **Scottii and Whitmani,** 5½ to 6-in., 35c.-40c.-60c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.

Our well known strain, **SOLANUM MULTIFLORA (Jerusalem Cherries)** always full of large berries, 2½-in. pots, $6.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 6-5½ in., in bloom, 16c.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Asparagus

	Per 100
Sprengeri, 2¼-in. pots,	$2.00
PANSY SEED, NEW CROP, GIANT FLOWERING, Ounce	$4.00

Primroses

	Ready July 15. Per 100
Chinese and Forbesii	$2.00
Obconica alba and rosea	2.00
Obconica gigantea	3.00

Cash Please]

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

FIELD PLANTS

STEVIA Compacta, $10.00 per 100.

VIOLETS, Prince of Wales, $7.00 per 100.

CARNATIONS, Enchantress, Beacon, Rose Enchantress, White Perfection, $6.00 per 100.

Rooted Chrysanthemum Cuttings Still

WHITE.

October Frost, Nonin, Virginia Poehlmann, Wanamaker, Burton, Chadwick.

YELLOW.

Monrovia, Golden Glow, Appleton, Golden Eagle.

PINK.

Rosiere, Dr. Enguehard, Bailey.

All at $2.00 per 100 except Virginia Poehlmann and Golden Eagle, which are $3.00 and $4.00, respectively.

Pot plants of above sold out; only strong rooted cuttings can be furnished, and those up to August 16.

I. M. RAYNER

Greenport, L. I., N. Y.

Please mention the Exchange when writing.

CHRYSANTHEMUMS Rooted Cuttings

SURPLUS STOCK

White: 1000 each of A. Byron and Desjouis.
Pink: 500 each of Glory of the Pacific and Rosette.
Yellow: 200 Golden Eagle.

WILLIAM SWAYNE, Kennett Square, Pa.
P. O. Box 215

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $6.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C.,** $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100.

FERNS, Whitmani, 4-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

CHINESE PRIMULAS, in Separate or Mixed Colors; also **Primula Obconica, Kermesina Rosea,** or Assorted, from 2½ inch pots, $3.00 per 100; extra fine plants.

DRACAENA Indivisa, 4 inch. $10.00 per 100; 2 inch, $2.00 per 100, or $18.00 per 1000.

ASPARAGUS Sprengeri, 2½ inch. $2.50 per 100; 2 inch, $1.50 per 100. **Asparagus Plumosus,** 2 inch, $2.50 per 100.

WETTLIN FLORAL CO.

Hornell, N. Y.

Please mention the Exchange when writing.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

I am anxious to know how many feet of 4 in. cast-iron pipe it will take to pipe a 100 x 50 ft. greenhouse in South Carolina. Will 5 in. do better, and if so, how many feet will it take?

D. H., S. C.

—You do not give me any definite particulars about the house 100x50 ft., and I will assume, therefore, that the house is even spanned, about 22 ft. to ridge, 6 ft. 6 in. at the eaves, with about 3 ft. of glass on the sides. You do not mention the temperature you desire, so I give it as follows, with zero outside: 50 deg. inside, 18 pipes, 4 in.; 55 deg., 20 pipes; 60 deg., 23 pipes; 65 deg., 27 pipes. If you want to base your calculations on extreme temperature outside, which is 10 deg. above zero, use the following: 50 deg. inside, 14 pipes; 55 deg., 17 pipes; 60 deg., 19 pipes; 65 deg., 23 pipes.

The above pipe is what I term "standard green house pipe," 4 inches outside diameter.

I have just let the contract for a house to be erected in northeast Oklahoma, and should like some suggestions on the size of boiler to use, and the number and size of flow pipes and returns. Here are the dimensions:

House, 100 ft. by 26 ft. 6 in.; grade to eaves, 7ft., with 54 in. stationary glass; walls below plate to be of 5 in. concrete; east gable of glass, west gable one-half glass; ¾ span with short span to the south; height of ridge, 13 ft. 10 in.; house to set east and west; vents on north side; grade is level; fuel, natural gas. The boiler pit will be at the northwest corner, and can be any size and depth required; hot water will be used and a Carnation temperature is required; there is a door at each gable; solid beds will be used, four, each about 5 ft. wide; the Winter winds are from the northwest, but the temperature seldom gets below zero. Cannas usually remain in the open all Winter. The mercury got down to 13 deg. below zero last Winter, which was unusual. In addition to size of boiler and number of runs of pipe, please give the best place to locate the returns—whether on the sides of the solid beds or along the walls; and also state how deep the boiler pit should be dug.—R. E. M., Okla.

—You will require to maintain 60 deg. in this house in zero weather, 20 runs of 2 in. wrought iron pipe, or its equivalent. I would lay out this job with a boiler pit about 6 ft. 6 in. deep below the sills of the doors. You can locate the boiler about where shown in your sketch, and lay the flow and return mains across the west end of the greenhouse, below the sills of the doors, so as to avoid stepping over pipes. On each side wall of the greenhouse, that is, on the south and north, place four 2 in. pipes, all above each other, in the form of a wall coil running to the east end, and turn with four pipes to the doorway. These coils can consist of one flow and three returns, or two flows and two returns. On the outer bench on the south side you will place a coil consisting of two 2 in. pipes. You can arrange this coil so that it will have two flows up the south side of the bed, turn at the east end and return along the north side of the bed with two pipes. What I mean is that it will have two 2 in. pipes on each side. The same condition will apply to the north outer bed. On the north center bed and

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

Primula obconica grandiflora Ronsdorfer and Lattmans Hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER,

East Stroudsburg, PA.

Order Now

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

3-in., $7.00 per 100; 4-in., $15.00 per 100

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Begonia Gloire de Lorraine

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000. **CYCLAMEN,** 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., **PHILADELPHIA, PA.**

POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

PALMS, FERNS and Decorative Plants

JOHN SCOTT

Rutland Rd. & E. 45th St., BROOKLYN, N. Y.

SHASTA

For biggest returns plant our new white carnation

Shasta.

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

south center bed, you will run one pipe on each side, which will be one flow and one return, the intention being to run up on one side of each of the two benches with a flow and return on the other side. This lay out will give you the 20 lines of 2 in. pipe necessary. If you desire, you can make two coils for each of the outer benches, consisting of one flow and one return each side, that is, simply flow up on one side with one pipe, and return with another placed beneath it, turning at the east end with elbows for expansion. This may be more easy to do than to connect up a continuous coil around these two beds. Place a full opening gate valve sideways, or at an angle of 45 deg. on each flow connection nearest the mains. Start from the boiler with 4 in. flow and return mains, enter the house and cross with 4 in. toward south door, and then reduce to 3 in., after connecting the middle bench coil on the south side. From that point, run with 3 in. to the south bench and then follow along both the flow and return with a 2 in. for the wall coil on the south side. The wall coil on the north can be taken from the 4 in. main near the boiler, with a 2 in. connection. If the house has no grade from west to east, I would allow a raise in the pipes of not less than one-quarter of an inch in eight feet. By this, I mean that the ends of the coils, which terminate at the east end, will have a rise of not less than four inches and more, if you can get it. The end of each coil, of course, to be provided with an air cock. The expansion tank can be located in the work room above the boiler, at as high a point as possible above the heating pipes, and should be connected to the return near the boiler. You will see from the above layout that all the flow and returns of the heating coils are of the same size, 2 in., for that is the size pipe I have figured on, throughout, with the exception of the mains. The above arrangement I have followed for many years with good results.

I will recommend a boiler for this proposition of not less than 1700 ft., 4 in. pipe capacity. A larger boiler than is necessary is, in my opinion, always a good proposition, for you are ready at any time for quicker work, and besides that, easier firing.

The lay out that I have provided will do away with any overhead mains, which are not desirable, if they can be avoided, owing to the increased shadow that they cause in the house. The heating coils in this lay out are either on the walls or on sides of beds, and the mains entirely below grade, which will permit entrance to house without stepping over pipes, etc.

I want to change the heating system in my greenhouse. I have trouble with my pit on account of water getting in. Can I set the boiler on the level with the floor in the greenhouse, or two feet lower, by raising the flow pipe higher than the boiler and then bringing it down into a manifold and down grade all around greenhouse, then into boiler, by using wind pipe on the highest point of the flow pipe? This is for a hot water system, and we use five coils.

G. H. W., Penna.

—You have neglected to give me data pertaining to your present heating plant, so I can only reply to you as regards conditions in relation to heating plants where the boiler pit is very shallow. My usual course in these propositions is to locate the overhead main under the ridge of the greenhouse, taking an air vent out at the highest point and then dropping at the far end into the coils under the benches, such coils to grade as much as possible from the far end back to the boiler. I am not in favor of dropping into the greenhouse near the boiler and then letting the coil drop all the way round the house. The best method is the overhead main, having a coil on each side of the house, and, perhaps, also under the center bench. This will make a more direct travel for the water, and a better working job. I would recommend that you sink the boiler at least two feet, if possible, and endeavor to have the coils under the benches a little higher than the return opening of the boiler. This, in connection with an overhead main, should overcome your difficulty. If you had sent me necessary particulars showing the amount of pipe you already have, with the necessary dimensions of the greenhouse, temperature you require, and also size of your boiler, I would have been in position to have given you more details, but I feel that you will be able to overcome your difficulty with the apparatus, if you will follow my suggestions embodied in the first part of my reply to your inquiries.

STILLWATER, MINN.—Frank Berry, florist, has removed his office for the present to 1336 So. Fourth st., near the cemetery, where he has six large greenhouses, well-stocked, to which hereafter he will give his personal attention. He has no longer any connection with the place at Locust and Fourth sts.



DREER'S GIANT CYCLAMEN

NEW CROP SEED NOW READY

WE have for years carefully noted the various strains of Cyclamen from the world's foremost specialists and feel sure that the strain here offered is by far the best regardless of price.

Our grower has made the Cyclamen a life study, and the strain is now practically perfect; the habit of the plants, purity of colors, size and substance of the flowers leaving nothing to be desired.

Many of the leading growers are now using this strain exclusively. We offer as follows:

	100 Seeds	1000 Seeds
DREER'S GIANT PURE WHITE	$0.75	$6.00
DREER'S GIANT WHITE WITH CARMINE EYE	.75	6.00
DREER'S GIANT ROSE WITH DARK EYE	.75	6.00
DREER'S GIANT BLOOD RED	.75	6.00
DREER'S GIANT CHOICEST MIXED, all colors	.60	5.00
DREER'S GIANT WONDER OF WANDSBEK. A new variety of various brilliant rose shades suffused with salmon. A striking color	1.50	12.00

PLANTS FOR NEXT WINTER'S BLOOMING

We can supply nice 3-inch pot plants of our Giant Cyclamen in the first four colors noted above, $1.25 per doz.; $10.00 per 100.

HENRY A. DREER 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

We'll Help You Make YOUR Palm Department Pay



Many florists neglect their Palm business because they think that other lines pay better. If *you* think that, we would like a chance to *prove* to you, by the experience and testimony of scores of our customers who have had long experience with Palms, and who therefore *know*, that few other departments of the retail florist's business can be made to show a steadier and more satisfactory profit than this one.

It's absolutely necessary, though, that you sell first-class stock, and this we are prepared to supply. Our Palms are all home-grown and are clean, vigorous and thrifty. We supply them in practically all the standard sizes and our prices are no higher than you would pay elsewhere, as the following list will show.

Our interest in our customers doesn't end with the filling of an order, either; florists who want to build up a better Palm business will find many helpful suggestions in our Summer Booklet, just off the press, which contains, also, our Price List for the coming season.

We want *you* to have a copy of this booklet—we know it will interest you and help your Palm business. Drop us a postal *now* and we will see that a copy comes to you by next mail.

And, as decisive proof, why not let us have a trial order, if you're not already acquainted with "Heacock Quality"? Here are our prices; your instructions will have our best attention and the Palms will be shipped without delay.

AREC A LUTESCENS

	In. high	Each
6-in. pot	3 plants in pot	26 to 28	$1.00
7-in. "	3 " "	30 to 32	2.00
8-in. "	3 " "	36	2.50
8-in. "	3 " "	42	3.00

COCOS WEDDELLIANA

	In. high	Per 100
2½ in. pot	8 to 10	$10 00
2½ in. "	10 to 12	15.00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz.	100
5-in. pot	6 to 7	18		$6.00	$50.00
6in. "	6 to 7	22 to 24	$1.00	12.00	
6-in. "	6 to 7	24 to 26	1.25	15.00	
6-in. "	6 to 7	26 to 28	1.50	18.00	
7-in. tub or pot	6 to 7	34 to 36	2.50	30.00	
7-in. " "	6 to 7	36 to 36	3.00		
7-in. " "	6 to 7	40 to 45	4.00		Each
9-in. "	6 to 7	42 to 46	very heavy		$5.00
9-in. "	6 to 7	48 to 54	"		6 00
9-in. "	6 to 7	5 feet	"		8.00

KENTIA FORSTERIANA

	Leaves	In. high	Each	Doz.
6-in. pot	5 to 6	28 to 30	$1.00	$12.00
6-in. "	6	34 to 36	1.50	18.00

MADE-UP KENTIA FORSTERIANA

		In. high	Each
7-in. tub or pot	4 plants in pot	36	$2.50
7-in. " "	4 " "	36 to 40	3.00
9-in. "	4 " in tub	42 to 48	5.00
9-in. "	4 " "	4 ft. high, heavy	6.00
12-in. "	4 " "	6 ft. " "	15.00

CIBOTIUM SCHIEDEI

Ready in September. Stock limited

	Each
9-in. tubs, 4 to 5 feet spread	$6.00
9-in. " 6 feet spread	7.50

PHOENIX ROEBELENII

5-in. pots nicely characterized	$1.00
6-in. " "	1.50
7-in. " "	2.00

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Please mention the Exchange when writing.

Our Rochester Convention Number

Promises to be as fine as any we have ever issued, and our advertising patronage is going to be heavy indicating that business will shortly be again in full swing. Advertisers should not miss the golden opportunity we present in our issue of Aug. 13.

Copy wanted by Wednesday next.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, August 10.

PRICES ADVERTISED ARE FOR TRADE ONLY

FERNS
MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 16 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

FERNS

BOSTON, SCOTTII and WHITMANI

September delivery. Get our prices.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.
Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

BENCH FERNS

All fine, bushy, new growth:
Scholzeli, best house Fern, for 4-in. 18c., 5-in. 25c., 6-in. 35c. Boston and Whitmani, for 5-6 in. 20c. Whitmani, extra, for 6-in. pots, 25c. Scottii, for 4-in. 10c., 5 in. 15c. Bostons, 5-in. 15c.
ASPARAGUS Plumosus, 3½c., Sprengeri, 3c. Strong 3-in.
Gov. Herrick Violets, strong plants, $1.50 per 100. Cash Please.

WILLIAM S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

Ferns in Flats
All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

Fern Seedlings in Flats
IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, all sold; new stock ready by September 1.
Only 5000 KENTIA Belmoreana in 2¼-in. pots left.
Also a large stock of BOSTON FERNS, from bench, for 5, 6, 7 in. pots, ready September 1.
Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.
Please mention the Exchange when writing.

FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

WHITMANI FERNS

2½-in., $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.

Nephrolepis Magnifica, 2½-in., $15.00 per 100.

HENRY H. BARROWS & SON
WHITMAN, MASS.
Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 60c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.
Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA
Please mention the Exchange when writing.

CARNATION PLANTS

Field Grown.

Fair Maid, Winsor, Sensation, Queen Louise, first-class plants, ready any time, $5.00 per 100, $40.00 per 1000.

Cash with order, please.

E. L. RILEY, R. F. D. No 2, TRENTON, N. J.
Please mention the Exchange when writing.

Carnation Plants

Clean, healthy, field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$60.00
Rose Pink Enchantress	6.00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60.00
Bountiful	6.00	60.00
Boston Market	5.00	50.50
White Lawson	5.00	50.00
Lawson	5.00	50.00
Beacon	6.00	60.00
Victory	6.00	60.00
Harlowarden	5.00	50.00
Winsor	6.00	60.00
Yellow Beauty	6.00	60.00
M. A. Patten	6.00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.
Please mention the Exchange when writing.

Field-Grown Carnations

10,000 White Perfection, 8,000 R. P. Enchantress, 7,000 Enchantress, 12,000 Winona, 5,000 Lawson Enchantress, 2,500 Winsor.

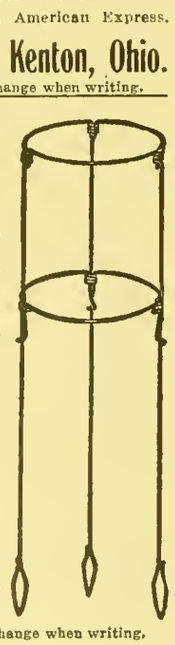
Limestone land; no stem rot.

$6.00 per 100, $50.00 per 1000.
250 at 1000 rates. Cash.

Wells-Fargo, U. S., and American Express.

W. SABRANSKY, Kenton, Ohio.
Please mention the Exchange when writing.

THE
MODEL
Extension
Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized Steel Rose Stakes and Tying Wire

IGOE BROS.
63-71 Metropolitan Ave.,
BROOKLYN, N. Y.
Please mention the Exchange when writing.

SEE IT AT ROCHESTER

"CHRISTMAS CHEER"

A POT AND CUTFLOWER CARNATION. ABSOLUTELY UNIQUE.

COLOR: Brilliant, Glowing, Poinsettia Scarlet.

EASY TO GROW! EASY TO SELL!

Will produce 100 and more flowers in one season; can be had at Christmas in a 6 inch pot, with 25 to 50 blooms and buds, retailing easily at $1.50 each.

I will cheerfully refund your money if not satisfied.
Delivery, January 1st, 1911, and after.

$15.00 per 100, $125.00 per 1000.

Place your order now and get your stock early.

H. EICHHOLZ, Florist, WAYNESBORO, PA.

Please mention the Exchange when writing.

FIELD-GROWN
Dorothy Gordon Carnation Plants

Strong, Clean, Stocky Plants

NOW READY

$12.00 per 100, $100.00 per 1000.

STOCK LIMITED. SPEAK QUICK IF YOU WANT ANY

JOSEPH HEACOCK CO., Wyncote, Pa.

Please mention the Exchange when writing.

Field-Grown Carnations
FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Apple Blossom	6.00	50.00
Snow Flake	$6.00	$50.00
White Perfection	7.00	60.00
Georgia	6.00	50.00
O. P. Bassett	6.00	50.00
Wanoka	6.00	50.00
Ruby	6.00	50.00

We are now booking orders. Strong, healthy plants for immediate shipment, or will reserve until you are ready.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

	Per 100
Enchantress	$6.00
M. A. Patten	5.00
Harry Fenn	$5.00
Winsor	5.00
Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

CARNATIONS

		100
2000	Afterglow	$4.00
2000	Rose Enchantress	4.00
1000	Beacon	4.00
500	Patten	4.00

QUIDNICK GREENHOUSES, J. H. Cushlog Prop.
QUIDNICK (Anthony P. O.) R. I.

CHICAGO CARNATION CO.
JOLIET, ILL.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

STRONG AND HEALTHY

Enchantress and Lawson $5.00 per 100. Cash with order.

W. Pinchbeck, Ridgefield, Conn.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

ALVINA (The Best) Dark Pink

Ready now or will hold until you are ready.

Plants now with 10-20 shoots ..... $10 00 per 100.
Plants now with 5-10 shoots ..... 7.50 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England

and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

ORCHIDS

PLANTS and FLOWERS always on hand.

ORDONEZ BROS.

52 West 28th St., New York City and Madison, New Jersey

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiate** due shortly.

LAGER & HURRELL

SUMMIT, N. J.

Please mention the Exchange when writing.

ORCHIDS

Just arrived in fine condition.

Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CRAIG'S SPECIALTIES | Order Now

We call special attention to our large stock of Ferns, in all the leading varieties, Begonia Lorraine, Cyclamen, Crotons, Ficus Pandurata, etc., etc., all of which is the very **highest quality.**

Cyclamen

We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality and much heavier than is generally offered in the following sized pots. It will make excellent plants for Christmas sales.

3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
4-in. pots, very strong.....$25.00 per 100; $225.00 per 1000
5-in. pots, very strong.....$50.00 per 100; $450.00 per 1000

Crotons

Our stock is exceptionally well colored. We are now booking orders for immediate and future delivery.

4-in., highly colored.....$25.00 per 100
5-in., highly colored.....$50.00 and $75.00 per 100
6-in., highly colored.....$9.00, $12.00 and $15.00 per doz.

Larger plants, well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50, $4.00, $5.00 and $6.00 each.

Nephrolepis Elegantissima Compacta—New

We cannot speak too well of this variety. We believe it to be one of the very best of the Nephrolepis family.

2¼-in. pots.....$10.00 per 100; $90.00 per 1000
4-in. pots.....$25.00 per 100
6-in. pots.....$75.00 per 100

Nephrolepis Scottii

2¼-in. pots.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$16.00 per 100
6-in. pots, ready August 10.....$50.00 per 100
10-in. tubs.....$24.00 per doz.

Nephrolepis Todeaoides

The London Fern

2¼-in. pots, strong plants.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$50.00 per 100

Nephrolepis Scholzeli, Crested Scottii

2¼-in. pots.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$25.00 per 100; $225.00 per 1000
6-in. pots, very heavy.....$6.00 and $9.00 per doz.

Ficus Pandurata

The best house plant to date

6-in. pots to 11-in. tubs, $2.00, $2.50, $3.00, $4.00, $5.00, $6.00, $7.50 each
Branch Plants.....$2.50, $3.00, $4.00, $5.00, $6.00 each

The above stock is exceptionally fine.

Pandanus Veitchii

4-in. pots.....$6.00 per doz.; $45.00 per 100
6-in. pots.....$12.00 per doz.; $90.00 per 100

Gardenia Veitchii

2¼-in. pots, strong.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$50.00 per 100
7-in. pots.....$9.00 per doz.; $70.00 per 100

Areca Lutescens

Beautiful stock; 3 plants in pots

6-in. stock, 24 to 26 inches tall $12.00 per doz.; $90.00 per 100
7-in. stock, very heavy, 30 to 32 inches tall....$24.00 per doz.
7-in. stock, very heavy, 32 to 36 inches tall....$30.00 per doz.

Dracaena Massangeana

Beautifully colored

6-in pots.....$18.00 per doz.
7-in. pots.....$24.00 per doz.
8-in. pots.....$36.00 per doz.
10-in pots.....$48.00 per doz.

Phoenix Roebelenii

Well characterized

6-in. pots.....$24.00 per doz.

Bridesmaid, Grafted

4-in. pots.....$16.00 per 100

ROBERT CRAIG COMPANY, 4900 Market Street, **Philadelphia**

Please mention the Exchange when writing.

ORCHIDS—ORCHIDS

FRESH ARRIVALS EVERY WEEK

CATTLEYAS: Trianæ, Schrœderæ, Mendelii, Gigas, Hardyana type, Gigas Sanderiana, Percivaliana, Speciosissima, Bowringiana and Aurea.

DENDROBIUMS: Thrysiflorum, Cambridgeanum, Crassenode.

RENANTHERA Imschootiana. MILTONIAS Vexillaria and Roezlii.

CYPRIPEDIUMS Bellatulum and Charlsworthii.

COELOGYNE Cristata, 400 bulbs, strong plants, $10.00 each.

ALL READY TO POT.

G. L. FREEMAN CO., Fall River, Mass.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. **Bride, Bridesmaid, Carnot, Golden Gate** and **Kaiserin,** $6.00 per 100.

GRAFTED, Fine Stock

White Killarney, 3½-in. pots, $20.00 per 100. **Pink Killarney,** 3-in. pots, $18.00 per 100. **Bride, Bridesmaid, Golden Gate, Kaiserin, Carnot** from 3½-in. pots, $17.00 per 100.

Enchanter, Mrs. Jardin, Rhea Reid, Wootton, from 3-in. pots, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2¼ and 2½ in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Rock, Yellow Eaton, $4.00 per 100; $35.00 per 1000.

Autumn Glory, Ada Spaulding, Collingfordii, Dorothy Devens, Geo. Kalb, Harry May, J. H. Troy, Moneymaker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, The Harriott, Timothy Eaton, Wm. Duckham, Mrs. James Marshall, H. W. Reiman, fine stock, $3.00 per 100; $25.00 per 1000. **Also an Assortment of other good Commercial Varieties,** at $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS

ASPARAGUS

	Per 100
Plumosus nanus, from 3-in. pots	$6.00
Plumosus nanus, from 2¼-in. pots	4.00
Sprengeri, from 2¼-in. pots	4.00

STEVIA COMPACTA

From 2¼-in. pots 3.00

POINSETTIAS

	Per 100
Fine stock, from 3-in. pots	$8.00
Fine stock, from 2½-in. pots	6.00

VIOLETS

Marie Louise, from 2¼-in. pots	
$25.00 per 1000	3.00
Prince of Wales, from 2½-in. pots.	4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

SPRENGERI IRIS

Sprengeri, at $15.00 per 1000, good stock. **German Iris** in Mixed Colors, at $2.50 per 100.

GERANIUMS, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before October 15, at $10.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Youngstown, O.

Words must fail to describe the glories of Idora Place in its Midsummer beauty. The camera may set the picture true to life, but the picture must lack the color that lends the beauty, and fail to present the pleasures of cooling shade and the animation of rippling water. For almost a century a famous breeding establishment and dairy farm, it lies within about fifteen minutes' drive of the central square of this throbbing manufacturing city of 80,000, and affords very unusual advantages for the growing and marketing of the many very fine things to be furnished by our expert. The Idora Floral and Landscape Co., of Idora Place, is planting its business where good old Mother Nature favors it with the great blessings of most everything to make any kind of soil to grow the things wanted to sell—perfect feal-mould, clean washed cutting-sand, 30 acres of excellent bottom land where wild Roses grow in profusion; watery pools lying cool in the shadows cast by trees whose leaves and branches stirred to life by breezes that blow vagrant through the glen, bend in salutation to kiss and sweeten the babbling stream, forming a grand "Shade Hall" where myriads of many varieties of choice Ferns live and grow strong with little attention. These great advantages Nature has set to gladden the heart and delight the artistic eye. All of this, coupled with the fact that the company's horticulturist and landscape architect has had the advantages of high education and world-wide experience, forms a combination of circumstances which it is thought seldom attends the beginning of such an establishment.

WM. BAKODY.

Baltimore

D. W. Babcock, Berlin, Md., who has under cultivation about 30 acres of land, reports business in good shape. He has shipped to New York 30,000 Gladioli. He has two acres in Dahlias, and his plantings also cover 41 varieties of evergreens. He makes, in addition, a specialty of forest tree seedlings and will make an exhibit at the Fall Horticultura' show.

C. M. Wagner, foreman for James Hamilton, Mt. Washington, was one of the heavy buyers at J. G. Harrison & Sons Nursery. He purchased nearly $500 worth of various kinds of stock.

The members of the Gardeners and Florists' Club of Baltimore feel jubilant at the idea of having the S. A. F. convention in Baltimore in 1911. The ball has started rolling and everything will be tried to keep it going. The next meeting of the Club will be an interesting one, and arrangements will be made to place Baltimore in nomination for the convention. W. F. Gude of Washington has assured the members that the Washington boys would boom our city, and it is hoped that Richard Vincent, Jr., will be the next president of the National Society.

Cards have been distributed for the Fourth Annual Dahlia Show at Vincent's, Cowenton, Md., in connection with the Harvest Home Festival of the Ebenezer M. E. Church, September 27 to 30.

The drought has struck J. Williams, Ruxton, Md., and his water supply is exhausted. It was a case of calling on his neighbors to get water for his greenhouse.

J. L. T.

New Orleans

Mrs. Jos. Muller at Esplanade st. has just completed an uptodate plant house, 50 by 20 ft., material supplied by a well known Chicago firm and put up by local mechanics. Mrs. Muller, who has always been interested in Palms, at the present time has a fine lot of Cocos plumosa, growing in the open ground, which she will have lubbed, to dispose of a portion of them and keep the balance for decorating purposes.

At the time of writing, the florists of this city who will attend the convention are Chas. Eble, U. J. Virgin and wife, Harry Papworth, H. Dressel, the Rose grower of the Metairie Ridge Nurseries, and B. M. Wichers, the Gretna Fern grower.

CRESCENT CITY.

Our Rochester Convention Number

Promises to be as fine as any we have ever issued, and our advertising patronage is going to be heavy, indicating that business will shortly be again in full swing. Advertisers should not miss the golden opportunity we present in our issue of Aug. 13.

Copy wanted by Wednesday next.



NEW YORK, Aug. 3.—In the cut flower market today there are Asters everywhere, an increasing supply and largely of a small size. Some nice blooms of Hydrangea paniculata, and of Tamarix, are coming in the shrub line, and in the hardy plant line some blooms of the fiery colored Tritoma are seen.

The supply of American Beauty Roses is moderate, and is pretty well taken up by the demand. The few specials arriving command a price of 20c. each in small quantities, for selected blooms, while many sales are on as low a basis as 10c. A very moderate supply of pink and white Killarney is coming in, mostly the former, and of My Maryland and Kaiserin, largely of the short grades. The demand uses up the better blooms, and the rest move rather slowly. The best grade blooms of Kaiserin bring 8c. each, and the lowest grade no more than 50c. per 100, while the highest grade blooms of Killarney and My Maryland sell at the maximum price of 5c. each, and the lowest grade down to 50c. per 100. Bride and Bridesmaid, such as arrive, bring for the best blooms 2c. each.

Carnations are about finished, very few arriving, with scarcely any demand for them. The top notch price for the best blooms is about $1 per 100, while the bulk of blooms is selling way down to 50c. and less per 100.

Lily of the Valley is fairly abundant, and the quality is good for the season, but it is moving very slowly, the finest blooms, long stock, realizing no more than 3c. per spray. The arrival of Lilies is considerably curtailed, but the demand is not active, and the best blooms realize no more than 4c. each in the smaller sales, while on large sales the price is not over 3c. each.

There is no change in the Orchid market, as regards supply or demand. Both are small, and the movement of flowers rather sluggish. The best Cattleyas in small sales realize 50c. each.

It is hardly worth while to speak of Sweet Peas, the few arriving are in such poor condition. A few sell for 3c. per bunch for the best.

Gladioli are coming in from the bulb growers; the quality seems poorer, and the demand less, and the prices are falling. The highest grade blooms with difficulty bring $1.50 per 100, while the poorer grades are going at as low as 25c. per 100. The market appears glutted with Asters, mostly of small size, and though many are sold the demand is evidently far below the supply, and unless the supply at once diminishes it means a slump, as the best blooms now realize, except in a few sales, no more than $1.50 per 100, and the poorest less than 25c. per 100.

All greens are nearly at a standstill, and the prices are down.

PHILADELPHIA, Aug. 1.—As regards the supply and demand in the cut flower market, there is little change from last week's conditions. It may be noted that even quite a large quantity of such stock as is now most seen in the market, namely Asters, Gladioli, etc., represents only a small amount of money, and yet it takes as much time to handle it as it would to dispose of blooms of greater value.

Of the American Beauty Roses, the Eastern stock is now arriving so open that very little of it is fit to ship. The local stock coming in is only of moderate quality. As the aggregate arrivals from both sources is not large it cleans up readily. The few choice blooms which can be selected fetch $3 per dozen, but most of the specials bring only $1.50 to $2 per dozen. More pink Killarney is coming in than white, and of better quality, and it and My Maryland are the favorite pink Roses. A few more Kaiserin could be used. The small supply of all the above is sufficient to meet the demand. The highest grade of blooms of each is bringing 6c. each, with an average of about 2c. each on a clean up. Of Bride and Bridesmaid nothing better than No. 1 grade blooms is seen, which realize no more than 4c. each, and on a clean up of No. 1 and No. 2 the average is about 1c. each.

There is the same condition existing with Carnations, namely, fewer, poorer, and less demand. The best blooms in a few cases realize 2c. each, but this is exceptional, and the average price on all grades hardly comes up to $1 per 100.

The supply of Orchids, and the demand, is unchanged. The highest grade of flowers brings 50c. each, and there is no accumulation. The supply of Lilies and Lily of the Valley is sufficient, the former moving a little more freely, at an average of $1 per dozen, than the latter at an average of about $2 per 100.

Asters are abundant, but the best of the early sorts is passing by and the first of the ostrich plumed type coming in show the centers badly. The average price is about 75c. per 100 on all grades of blooms, and $2 per 100 for the selected flowers. Gladioli are less in evidence, and the supply seems to have passed the climax. The quality, too, is poorer. The best blooms scarcely fetch $4 per 100, and in most sales hardly reach the $1 per 100 mark. Sweet Peas scarcely keep one day and are poor property. Fortunately, not many are arriving. A few blooms realize 50c. per 100, but more change hands at 20c. per 100, and many go to the barrel.

All greens move slowly, as the supply is over abundant, and low prices prevail.

CHICAGO, Aug. 2.—It is hard to make a correct statement regarding the market as conditions are so variable. On some days business seems almost stagnant, and the next day sees the ice boxes all cleaned out. Roses are somewhat improved in quality, and move nicely. The new American Beauty crop blooms are coming in, with long stems, fine foliage, flowers in much better condition than a week ago. There are also some good Killarneys putting in an appearance.

Not much can be said about Carnations, as there are very few obtainable, although one sees at times some fairly good flowers, which disappear in a hurry. Shipping Carnations are out of the question, the lasting quality being so poor.

Gladioli still arrive in abundance, and while not disposed of immediately are in steady demand. Asters are somewhat improved in quality and are in active demand, as they now take the place of Carnations. Lilies are more plentiful, and move nicely. Water Lilies are plentiful and the better grades sell well. The native Lotus is seen in a few of the retailers' windows.

Shasta Daisies, Gaillardias and some other hardy flowers give a variety for window display. Rudbeckia Golden Glow is exhibited in some of the windows and with the green foliage of Ferns and Palms that are shown extensively make a good display. Orchids remain scarce, but at the present time there are enough to meet the demand. There is very little trade at present, outside of funeral work, which has been very heavy the past few weeks.

BOSTON, Aug. 2. — The market has improved materially this week and cleaned up practically every day. Material is much more plentiful and will be of better quality from this on.

Roses are in quality much better than for several weeks; they are being cut with longer stems, and the flowers are gaining in size. Carnot, Kaiserin and My Maryland are most in demand, but prices are no better than they have been for a week or two.

Carnations are scarce, but the quality of one or two of the varieties coming in is much better than is usually seen at this time; good flowers receive a fair price and the tendency is upward.

Asters are quite plentiful and are injuring sales of other flowers. They are of better quality than they were a week or two ago; good grades run from $1 to $1.50. Gladioli are more plentiful and of excellent quality; the best varieties, America and Augusta, get good prices.

Sweet Peas are poor owing to the hot weather and prices are off at 15c. to 25c.; better grades slightly higher.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager — Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

You Will Find Everything Here in Good Summer Stock
Lilies, Gladioli, Kaiserins and Asters
Growers not acquainted with our methods of business will find it to their advantage to do business with
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK

Please mention the Exchange when writing.

Lilies are quite plentiful; quite a number of L. speciosum are to be seen.

Single flowered Gypsophila is about over but the double variety is still plentiful and goes for 25c. per bunch. Cornflowers and Sweet Sultan are plentiful. Cosmos is in small quantities.

Orchids are scarce but the demand is light. Asparagus Sprengeri is plentiful.

R. C.

ST. LOUIS, Aug. 1.—The market was scarce all of last week on first class stock and is at this report about as slow as it ever gets.

There are no Carnations or Roses to speak of. The few coming in are of poor quality.

Gladioli, which have been in over supply, are slacking up some and will soon be cut out. Price on these has been as low as $1 per 100, and has gone up to $3, $4, and $5.

Carnations go at 1c. to 2c., and Roses from 2c. to 5c. Asters are coming in quite heavily now but in poor quality, price ranging from $1 to $3 per 100. Tuberose spikes are looked for daily to take the place of the Gladioli.

Hydrangeas, Snapdragon, Larkspur, Candytuft and a few other outdoor flowers are what make up the market nowadays. The retail business in general is reported as dull in all lines.

ST. PATRICK.

INDIANAPOLIS, Aug. 1. — The flower market has been relieved of any stringency in the way of stock and is directly the reverse of a week ago as now flowers are awaiting buyers in many instances. Counter trade is fairly good and fancy wares find an outlet in that way but funeral work is not as good.

Field grown flowers have much influence in the local situation. Asters, Hydrangeas, Shasta Daisies, Sweet Peas and Golden Glow are becoming unusually plentiful and so causing the price of indoor stock to weaken. Asters, also Dahlias, have been planted in quantities at least 20 per cent. in advance of preceding years. The price of the two ranges from $1 to $2 per 100 wholesale and 35c. to 75c. per doz. retail. Field grown Roses have been favored by the weather and are still being cut in numbers.

New crop Carnations are in the market at $1 to $2 per 100. Almost all the old stock is out and it will be but a short time until there will be enough to go around.

Those fortunate to have Harrisii Lilies are ridding themselves of same at good prices. L. rubrum and album also sell freely at $6 to $8 per 100. L. auratum are not always to be had at $15 per 100.

Roses are much more plentiful than a week ago but there is not much change in prices. The best Killarney, Kaiserin and Richmond bring $6 to $7 per 100. A far greater number are seconds at $3 to $4 per 100. The retail price for Tea Roses ranges from 75c. to $2 a doz.

Am. Beauty are moving briskly at $5 to $20 a 100.

Lily of the Valley are being shipped in at $3 to $4 per 100.

The green goods market is well supplied; any stock desired from the finest Adiantum to field grown Asparagus is on hand.

I. B.

Rochester, N. Y.

The past week was a very quiet one, very little business doing, consequeutly stock was plentiful, Roses and Sweet Peas particularly so. This year, as usual, finds the market overstocked with Sweet Peas, and overproduction is plainly evident. Everybody with a little land starts growing Sweet Peas, encouraged by the thought that there is money in the venture, and, in consequence, good flowers are forced on the street vendors at ridiculous prices, in order to get rid of them, and many bunches are lost entirely. Asters are beginning to come in more freely and in a few days there will probably be all that the market can stand. The demand, however, at present, is good and stock far from plentiful.

George B. Hart and family are spending a week at Stony Lake, Canada. Judging by the amount of fishing tackle taken along the waters of Stony Lake will in all probability be depleted of fish after Geo. B. gets through.

George Boucher has completed arrangements with Hugo Teute to build two more greenhouses for the purpose of growing stock for his stores.

Joseph Charlton is recuperating his health in Canada, he having gone through a serious illness. His many friends wish him a speedy recovery.

The regular monthly meeting of the R. F. A. takes place on Monday, Aug. 8. As this is the last regular meeting before the convention, a large attendance is desired, many matters of importance having necessarily to be settled.

H. B. STRINGER.

The business of J. B. Keller's Sons has been incorporated with a capital of $30,000. The directors are F. J. Keller, J. Michael Keller and William L. Keller.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning

Please mention the Exchange when writing.

C. Bonnet G. H. Blake
Bonnet & Blake
Wholesale Florists
130 Livingston Street, BROOKLYN, N. Y.
Telephones: 1293-1291 Main
Out-of-town orders carefully attended to.
Give us a trial.
Please mention the Exchange when writing.

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Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
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M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street,
NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 661 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

Telephone 2336 Madison Square
Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
WHOLESALE
Plantsmen and Florists
Temporary office during July and August, at
52 West 28th Street, NEW YORK
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WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
129 West 28th Street, New York
Telephone: 3393 Madison Square
Please mention the Exchange when writing.

MOORE, HENTZ & NASH, WHOLESALE COMMISSION FLORISTS, GROWER, AGENT, ADJOINING New York Cut Flower Co's SALESROOM, 55 West 26th St., New York.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 West 26th Street, New York City
HEADQUARTERS FOR LILIES
Can Furnish Any Number Any Day in the Year
Telephones:—5243 Madison Square. Residence, 345 J. Newtown.
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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Aug. 6th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 20.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	1.00 to 2.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.... to ....
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 8.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	.... to ....
" No. 1	.50 to 2.00
" No. 2	.... to .75
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Asters	.25 to 2.00
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.... to ....
Ferns, per 1000	1.50 to 2.00

CARNATIONS—		
Inferior grades, all colors		.... to .25
Standard Varieties	White	.... to .50
	Pinks	.... to .50
	Red	.... to .50
	Yel. & Var.	.... to .50
Fancy (The highest grades of Sta'd varieties)	White	.75 to 1.00
	Pinks	.75 to 1.00
	Red	.75 to 1.00
	Yel. & Var.	.75 to 1.00
Novelties		.... to ....
Gardenias, per doz.		.... to ....
Gladioli		.25 to 1.50
Lilies, Harrisii and Longi.		.... to 4.00
Lily of the Valley		1.00 to 3.00
Mignonette, per doz.		.... to ....
Narcissus		.... to ....
Orchids, Cattleyas		25.00 to 60.00
Cypripedlums, per doz.		.... to ....
Dendrobium Formosum.		.... to ....
Pansies, per doz. bunches.		.... to ....
Poinsettias, per doz.		.... to ....
Hyacintha		.... to ....
Smilax (per doz. strings)		.... to 1.00
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.20 to .30
Tulips		.... to ....
Iris		.... to ....
Paonias		.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond,
Lilies, Lily of the Valley, Carnations
Telephone, 1906 Madison Square
P. J. SMITH, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

ORCHIDS
The best of Orchids always on hand, also all kinds of Cut Flowers.
Gretsch & Ordonez Bros. Wholesale Florists
52 West 28th Street NEW YORK CITY
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We Solicit Consignments from Good Growers.
Please mention the Exchange when writing.

A. L. Young & Co.
WHOLESALE FLORISTS
54 West 28th Street, NEW YORK
Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments. Give us a Trial
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A. MOLTZ & CO.
WHOLESALE FLORISTS
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

New York

P. J. Smith, 49 West 28th st., received 45,000 Lilies during the week ending July 30. When you are talking about Lilies this is certainly going some.

George Saltford, 129 West 28th st., has returned from a restful vacation at Rhinebeck, N. Y. He reports that Asters and Gladioli have suffered much from the drought, and that Violet plants are somewhat backward.

Frank H. Traendly, of Traendly & Schenck, 131-133 West 28th st., takes his vacation during the month of August.

It is suggested by the transportation committee, consisting of Frank H. Traendly, John Young and Harry A. Bunyard, on travel and hotel arrangements for Rochester convention, that application for hotel accommodation be made early. Applications will be filled in order. Furthermore, the committee announces that the fare for children will be $3.50 straight each way. The outlook is for a much larger number going to the convention from New York City than went to the convention at Niagara Falls two years ago. The number then was 146. Circulars of information are now ready and can be had on application to Chairman Traendly, 131 W. 28th st. In a note issued by President A. L. Miller of the N. Y. Florists' Club, he says: "I would like to state that the officers and transportation committee extend a cordial welcome to all friends to travel with the New York Florists' Club on this occasion, and to be their guests at dinner, arrangements being made to stop at Glen Summit Springs Hotel for this repast. If you have never attended a convention, now is your opportunity. Every florist is certainly entitled to a vacation and he could select no better time than this. Wake up now and join us! We will have the best make up in the way of a train that ever left the Lehigh Valley R. R. station. Remember the time, August 15, 10 a.m. from Jersey City.

Henry Small, of J. H. Small & Son, Washington, D. C., and New York City, sailed for Europe on July 23. William Trumpore, buyer for J. H. Small & Son, 1153 Broadway, is taking a month's vacation at Staten Island; during his vacation he will have a conservatory added to his Staten Island residence.

J. K. Allen, 110 West 28th st., is receiving some exceptionally good indoor grown Asters. Mr. Allen expects to attend the S. A. F. convention.

Ordonez Bros., Madison, N. J., are daily expecting Orchids from Brazil, Venezuela and Colombia.

André Beauplan, foreman for the Forster-Mansfield Mfg. Co., 145 West 28th st., is taking a short vacation, cruising on L. I. Sound in his auxiliary yacht. Mr. Beauplan expects to attend the S. A. F. convention.

A. L. Young, 54 West 28th st., accompanied by the Kervan brothers, of the Kervan Co., 126 West 28th st., Mr. Killian of this city, and Theodore Hengenstenberg, and Alfred Funke of Hempstead, L. I., recently went on a very successful fishing trip in Hempstead Bay. The

catch of the day amounted to 400 weakfish and flounders.

The Wilson-Hoyt Co., 1 Madison ave., are rushed with orders for concrete benches. They are now installing their benches in the new range of Arthur Curtis James, Newport, R. I.; in the entire commercial range of P. M. Olm, Bath, Me.; in the show house of John Condon, Brooklyn; and in the ranges of J. J. Brozet, Bloomfield, N. J., and Charles Weber, Lynbrook, L. I.

B. S. Slinn, 55-57 West 26th st., is now in camp at Pine Lawn, N. Y., with the Signal Corps, to which he belongs; he will remain until August 10.

Kessler Bros., 52 West 28th st., are moving two of their greenhouses from Newark to the land which they recently purchased at Secaucus. When re-erected and enlarged these houses will be each 100'x20', and will be used for growing Ferns.

John Miesem and George Golsner arrived from Europe on the steamer President Cleveland on Thursday, August 4.

J. Vocke, representing Wm. Siebrecht at the N. Y. Cut Flower Exchange, takes a two weeks' vaction beginning August 14.

It is reported that Henry Bloom, manager for Lichtenham, at the Grand Central station, will go into the rowing races at Poughkeepsie.

Mr. Kraatz, for several years with Bobbink & Atkins at Rutherford, N. J., will go into Rose growing on the Bobbink & Atkins place, making a specialty of the variety Kaiserin Augusta Victoria.

Paul Rigo, with Henshaw & Fenrich, 51 West 28th st., had the misfortune a few days ago to puncture his hand with a lead pencil; blood poisoning followed, and he is now under the surgeon's care.

Clarence H. Saltford, 129 West 28th st., is enjoying a two weeks' vacation at Highlands, N. J.

Valentine Alvanna, a Spaniard, bookkeeper for Carrillo & Baldwin, the Orchid specialists at Mamaroneck, returning from New York City on Friday night, where he had been to obtain Venezuelan currency, was attacked at a lonely spot, but shot and killed his assailant. The robber, one Frank Valla, knocked Alvanna down, but the latter drew his revolver and fired three shots, the last passing through the bandit's heart. Alvanna was so badly injured that he could not give a connected story of the affair, and was conscious only at intervals. The police found Valla lying dead by the side of the road, and about twenty feet away lay Alvanna.

The Brooklyn Wholesale Cut Flower Market has filed a certificate of incorporation. The capital stock is placed at $5000, consisting of shares of $50 each, and the directors for the first year are Samuel Lewis, Lena Lewis and Abraham Hanig, of Brooklyn.

F. R. Pierson, who is president of the board of education of Tarrytown, was an important figure in a fight for the election of school trustees in his town this week. Prominent women of the town, believers in woman suffrage and backed by their association, named a ticket on which Mr. Pierson's name was prominent, in opposition to the regular board. His name was also conspicuous on the regular ticket, so it was a pretty safe bet on his re-election. Personally, it is understood his sympathies were with the regular ticket.

Bowling

The Long Island Florists' Club's convention team's scores on Tuesday evening were:

					Av.
Donaldson	180	182	153	185	175
Smith	147	198	224	120	172
Einsmann	166	168	180	138	163
Siebrecht	174	140	167	144	155
Kessler	145	144	135	153	144

OUR

ROCHESTER CONVENTION NUMBER

Promises to be as fine as any we have ever issued, and our advertising patronage is going to be heavy, indicating that business will shortly be again in full swing. Advertisers should not miss the golden opportunity we present in our issue of Aug. 13.

Copy wanted by Wednesday next.

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Aug. 1, 1910	Pittsburgh Aug. 1, 1910	NAMES AND VARIETIES	Boston Aug. 2, 1910	Detroit Aug. 1, 1910	Cincinnati Aug. 1, 1910
to 25.00	to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	16.00 to 20.00	to 15.00
to 18.00	15.00 to 20.00	" extra	6.00 to 12.00	12.00 to 16.00	8.00 to 10.00
10.00 to 12.50	8.00 to 12.00	" No. 1	1.00 to 3.00	9.00 to 12.00	5.00 to 6.00
4.00 to 6.00	4.00 to 6.00	" No. 2	to	3.00 to 8.00	to
4.00 to 6.00	3.00 to 8.00	Killarney	.75 to 4.00	3.00 to 6.00	to
4.00 to 6.00	3.00 to 8.00	White Killarney	.75 to 4.00	3.00 to 6.00	to
to	to	Bride and Bridesmaid	.75 to 6.00	3.00 to 6.00	2.00 to 4.00
to	2.00 to 6.00	My Maryland	.75 to 4.00	3.00 to 8.00	to
2.00 to 4.00	2.00 to 6.00	Richmond	.75 to 4.00	3.00 to 8.00	to
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	.75 to 4.00	4.00 to 9.00	to
to 1.00	to 1.00	Adiantum	1.00 to 1.25	.50 to 1.00	to
20.00 to 30.00	to 40.00	Asparagus, Plumosus, bunches	to	20.00 to 50.00	to
20.00 to 30.00	40.00 to 50.00	" Sprengeri, bunches	to 35.00	20.00 to 50.00	to
1.00 to 2.00	.50 to 2.00	Aster	to	to	1.50 to 2.00
to	to	Bouvardia	to	to	to
to	to	Callas	to	to	to
to	to	Carnations—Inferior grades, all colors	to	to	to
to	to	Standard Varieties: White	.75 to 1.50	1.00 to 1.50	1.50 to 3.00
to	to	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50	to
to	to	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50	to
to	to	Standard Varieties: Yellow and var.	to	to	to
to	to	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 1.50	1.50 to 2.00	to
to	to	*Fancy (*The highest grades of Std'd vars.): Pink	1.00 to 1.50	1.50 to 2.00	to
to	to	*Fancy (*The highest grades of Std'd vars.): Red	1.00 to 1.50	1.50 to 2.00	to
to	to	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	to	to	to
to	to	Daisies	to	to	to
to .20	to .20	Ferns, hardy	to	to .15	to
to	to .12½	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
3.00 to 4.00	2.00 to 6.00	Gladiolus	3.00 to 5.00	4.00 to 8.00	2.00 to 6.00
to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	4.00 to 5.00	12.50 to 15.00	8.00 to 10.00
2.00 to 3.00	3.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	to
to	to	Mignonette	to	to	to
to	to	Orchids—Cattleyae	to	to	to
to	to	Orchids—Cypripediums	to	to	to
to	to	Pansies, per doz. bunches	to	to	to
to	to	Peonies	to	to	to
to 1.50	to 1.50	Smilax, (per doz. strings)	to	1.25 to 1.50	to
to .25	to	Sweet Peas	.15 to .35	.30 to .60	.15 to .25
to	to	Tulips	to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

Boston

Copious rains this week have done much good to vegetation in this section and have also cooled off the atmosphere, making it more comfortable to live.

Crops are looking better although they suffered severely through the tropical weather we have had for the past month. Flowers are more plentiful and Asters quite abundant and of fairly good quality. Other outdoor flowers, such as Gladioli, are plentiful and of excellent quality. Owing to the dry hot weather Sweet Peas are poor and short stemmed. From this on we expect there will be sufficient stock to fill all orders.

S. J. Reuter & Son, Westerly, R. I., are shipping in nice My Maryland Roses; their white Killarney and Kaiserin are also quite good; these are handled at the market by salesman Maurice Hambro.

William Hill Greenhouses, West Roxbury, are sending to Thomas Peglar, at 1 Park st. market, the finest Comet Asters we have seen this year. Their pink variety is especially good and pleasing. Their Sweet Sultan is also superb.

Edward Rogean, the complaisant salesman at 1 Park st., has returned from his vacation looking much better and improved in health. He spent his vacation at St. John, N. B., where he had a splendid time and enjoyed the fine bracing air of that resort. He is now handling for Paul Richwagen some good Asters, Sweet Peas and very fine Asparagus. He is also disposing of well grown Boston Ferns for Frank White of Holbrook, Mass.

John Fee of Jamaica Plain has at 1 Park st. market some of the finest Gladioli Augusta we have seen this season.

Martin Wax of Wax Bros. has returned from Maine where he spent a very pleasant vacation.

Samuel J. Goddard of Framingham returned from England July 28. He had a pleasant trip and saw many things that interested him in the way of horticulture, besides having a grand good time.

Eber Holmes of Montrose Greenhouses has quite a large cut of Roses now. They are nice clean stock and sell readily at 1 Park st. Kaiserin, Killarney and Richmond are his best varieties at this time.

Henry M. Robinson & Co. report a very good business for July, in fact much better than usual. Charles Robinson has just returned from his vacation which he spent in New Hampshire. Henry Robinson is spending his vacation at Green Harbor, Mass.

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

William Elliott's wholesale rooms on Park st. do not close on Saturdays as reported a few weeks ago. In fact, none of the wholesale houses close that day until 5 p.m. Elliott's Kaiserin are the finest we have seen for some time, they have stems 28 in. long and good sized flowers of excellent color. The white Killarney are more pink now than white with the hot weather, but still they are quite pleasing Roses and there is always a demand for them.

John W. Foot of Reading has some excellent Bouvardia Humboldtii with stems 18 in. long, good healthy foliage and large pure white flowers; it sells readily.

William Cleary of Newton has some extra good Asters and is shipping large quantities.

Norris Comley of Lexington has a large crop of Asters all in fine condition. He sends several thousand daily to market. On August 1 he shipped 6500. He has also a fine crop of Gladioli.

J. H. Leach of North Easton is cutting some of the nicest Carnations we have seen for some time; these are sold at 2 Park st. market.

Albert Roper of Tewksbury has a seedling Carnation which is proving an excellent Summer variety. It stands the heat well and holds its color.

N. A. Hudson of Natick is cutting good Cornflower which finds a ready market.

John McFarland of North Easton is cutting good Carnot Roses.

S. J. Lake of Wellesley is cutting the best Achillea, "The Pearl," that we have seen this season; it has long straight stems and clean white flowers.

Oswald Ralph of South Weymouth grows some good Asters, and those we have seen are nice clean material with long stems.

Sweet Pea is the principal thing M. L. Tirrell of Randolph is sending to market.

The Gladioli Augusta from A. H. Waechter of Walpole are of excellent quality; their color is very pleasing and a large number of flowers are open on each stem.

Welch Bros. of Devonshire st. report July as having been a busy month; their business in all departments was quite satisfactory. David Welch returned last Friday by the steamer Teutonic from Ireland where he spent a very pleasant holiday. He reports that crops of all kinds are looking well there and that Ireland is improving in many ways. The farmers now can buy the land which in itself is a great improvement on older times. He visited several flower stores in Dublin and other cities but was not enraptured with them. His return voyage was rather rough and he hadn't quite found his land legs when we visited him.

John Flood, who purchased the Fisher estate at Montvale, is making many changes in the greenhouses. Some of them are to be devoted to Carnations while others are to be given up to Asparagus and Adiantum.

Thomas Grey visited Lenox last week on a business trip and spent a pleasant evening at the Hort. Society's meeting where he met many of the gardeners and others interested in horticulture.

George Wood, salesman of the Waban Rose Conservatories, has just returned from his vacation and feels much refreshed and rested. P. J. Donahue, of the same concern, left on Saturday for his vacation and expects to return Aug. 8.

Henry Comley on Park st. has always an interesting window whether it is Winter or Summer. This week he has fine vases of the showy Centaurea Americana, Bird of Paradise flower, Water Lilies, double Perennial Sunflowers and beautiful colored leaved Caladiums.

Allan Peirce was very busy at the picnic enrolling new members for the Society of American Florists and also trying to secure a large delegation to go to the convention. He expects about forty or more to go from this city. R. C.

VALLEY FALLS, R. I.—W. S. Sword is tearing down one of his greenhouses, 100 ft. long, and will replace it with a new one in which he will grow Violets. Wm. J. Sword, his son, will build the new house.

Field Grown Carnation Plants

	100	1000
PINK.		
Winsor	$7.00	$60.00
R. P. Enchantress	7.00	60.00
Enchantress	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Jooste	5.00	45.00
WHITE.		
Enchantress	8.00	70.00
Perfection	7.00	60.00
Bountiful	$6.00	
Boston Market	6.00	$55.00
Queen	6.00	55.00
Queen Louise	6.00	50.00
RED.		
Victory	7.00	60.00
Bassett	7.00	60.00
Beacon	7.00	60.00
MISCELLANEOUS.		
H. Fenn	6.00	

All the plants we are offering are grown in this section. Each lot, before we list them, are carefully inspected, to insure that the plants are in a good, healthy condition. Early planting is recommended by most growers, but if you are not ready for the plants, we can book your order and reserve for future delivery. It is advisable to buy early, as the better varieties will move fast.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Aug. 1, 1910	Buffalo Aug. 1, 1910	NAMES AND VARIETIES	Phil'delphia Aug. 1, 1910	St. Louis Aug. 1, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	15.00 to 20.00
..... to	12.00 to 15.00	" extra	10.00 to 20.00	8.00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	.. to .....
..... to	..... to	" No. 2	5.00 to 8.00	2.00 to 3.00
2.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	3.00 to 5.00
2.00 to 4.00	2.00 to 6.00	White Killarney	2.00 to 6.00	3.00 to 5.00
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	..... to	..... to .....
2.00 to 5.00	2.00 to 6.00	My Maryland	2.00 to 6.00	..... to .....
..... to	2.00 to 6.00	Richmond	3.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	2.00 to 4.00	..... to .....
2.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	K. A. Victoria	2.00 to 6.00	..... to .....
..... to 1.00	..... to 00	Adiantum	..... to 1.00	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengari, bunches	25.00 to 50.00	..... to .....
1.00 to 2.00	..... to	Aster	.50 to 2.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to 1.00	.75 to 1.00	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
..... to 1.50	1.00 to 1.50	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Pink	1.00 to 1.50	..... to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Red	1.00 to 1.50	..... to 1.50
..... to 1.50	1.00 to 1.50	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to .....
..... to	1.50 to 2.00	*Fancy (White	1.50 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (Pink	1.50 to 2.00	..... to 1.50
..... to	1.50 to 2.00	*Fancy (Red	1.50 to 2.00	..... to 1.00
..... to	1.50 to 2.00	*Fancy (Yellow and var.	1.50 to 2.00	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to	..... to .15	Ferns, hardy	.10 to .20	..... to .....
..... to	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to .....
3.00 to 5.00	3.00 to 4.00	Gladiolus	2.00 to 4.00	..... to .....
..... to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	5.00 to 10.00	10.00 to 12.50
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to 3.00
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyae	..... to 50.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Panalax, per doz. bunches	..... to	..... to .....
3.00 to 4.0	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.50	..... to .....
..... to	..... to	Sweet Peas	.20 to .50	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been twice shifted. Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

(Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Philadelphia

Samuel F. Lilley has deserted Sansom st. and moved into greatly enlarged ground floor quarters at No. 5 Mole st. This store has been recently put in excellent repair, is well lighted, and has a full glass front. A good cellar also adds to its usefulness. It is only a stone's throw from Reid's, and the rest of the "bunch" of wholesalers in Ranstead, Ludlow and 16th sts. Mr. Lilley is certainly to be congratulated on the wise change, and has the good wishes of his many friends for his success in his new quarters.

John McIntyre, of Ranstead st., is serving on the grand jury at City Hall.

Frank Johnson, of A. L. Randall Co., Chicago, and Miss Hester Getz, of Westman & Getz, Cleveland, O., were recent callers on the S. S. Pennock-Meehan Co.

Percy B. Rigby, the treasurer of this company, is taking a month's vacation at Bromoseen Lake, Castleton, Vt.

Patrick O'Mara of New York City was a recent caller on the Robert Craig Co.

Clarence Watson, who is with the Leo Niessen Co., is now on his vacation.

H. Bayersdorfer, of H. Bayersdorfer & Co., 1129 Arch st., is, after his European trip, now on duty again at the store, while Paul Berkowitz of the firm is taking a much needed vacation at Atlantic City.

David A. Rust, the genial secretary of the Pennsylvania Horticultural Society and also of the Philadelphia Florists' Club, went last Saturday out to Bryn Mawr to play cricket at "Wooton," the estate of George W. Childs Drexel. The game was interrupted by a shower. A little later Mr. Rust in walking across the grounds slipped on the wet grass and, falling, dislocated his ankle. He pluckily pulled it into place again and went home, but, while apparently not serious, the injury later became very painful and will confine him to the house for several days.

Joseph Heacock of Wyncote, Pa., will attend the S. A. F. conventiou at Rochester.

Edward Murray, who is with Wm. H. Wyatt, the florist at 236 No. 13th st., is now on his annual vacation. Mr. Wyatt reports about the usual amount of Summer business. The conservatory in the rear of Mr. Wyatt's store adds much to its attractiveness.

Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Rose Pink Encht., $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $7.00 per 100, $60.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Enchantress, $8.00 per 100, $70.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, $6.00 per 100, $50.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
Beacon, $7.00 per 100, $60.00 per 1000.
O. P. Bassett, $6.00 per 100, $50.00 per 1000.
Dorothy Gordon, $12.00 per 100, $100 per 1000.



Victoria, $7.00 per 100, $60.00 per 1000. | **Pink Delight,** $12.00 per 100.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St. 1212 New York Ave.

Philadelphia, Pa. Washington, D. C.

Stores close at 6 p. m.

Please mention the Exchange when writing.

Richard Umfrid, of the S. S. Pennock-Meehan Co., sailed on Wednesday, August 3, on the steamer Trent for Bermuda, where he will pass his vacation. Robert Gaul of the same company is spending his vacation at Ocean City, N. J.

Washington, D. C.

John H. and Charles Davis, of Chain Bridge Road, D. C., paid a hurried visit to Philadelphia on July 25, during which they visited the cold storage plant of S. S. Pennock-Meehan Co.

John Robertson is serving a term of three months on the police court jury. He is painting and otherwise improving his new store, 2010 P st., N. W., above which he has recently taken up his residence.

Much needed rain during the week has helped all outside flowers and vegetables, which are more abundant than a week ago, but the shortage in good cut flower stock remains.

Asters are coming in increasing quantities each week, but the supply is still small as the main crops will not be in flower for ten days or two weeks. Some of the early Dahlias are on sale, but chiefly around the markets, the demand being very light prior to cool weather, and even then the competition of the country people who handle principally standard varieties is a menace to the legitimate grower who tries to get a fair price for his stock.

W. A. Bolinger of Bethesda reports good success with his apiary thus far.

W. W. Kimmel's new store is rapidly getting into good shape and he will be ready for the early Fall trade.

Many of the local growers are planting Carnations and otherwise filling their houses in anticipation of a busy Winter season.

JAS. L. CARBERY.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
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HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
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All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
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Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Aug. 2, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 3.00
30-inch stems.. "	2.00 to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.75
18-inch stems.. "	.... to 1.75
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	3.00 to 5.00
" extra	.... to 10.00
White Killarney	.... to 8.00
Richmond	4.00 to 6.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	4.00 to 6.00
" extra	4.00 to 5.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	4.00 to 5.00
Chatenay	3.00 to 5.00
Kaiserin	6.00 to 10.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.75 to 1.50
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Chrysanthemums, doz.	2.00 to 3.00
" fancy doz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	1.00 to 1.50
	.... to ....

CARNATIONS	
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pink	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties): White	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Pink	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Red	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Yel. and Var.	.... to ....
Ferns, hardy, per 1000	—— to 2.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Lilies, Harrieli and Longi.	10.00 to 12.00
Lily of the Valley	2.00 to 4.00
Mignonette	2.00 to 4.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 60.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Sweet Peas	.10 to .30
	.... to ....
Violets, single	.... to ....
" double	.... to ....
Asters	2.00 to 3.00
Gladioli	3.00 to 6.00
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO

Chicago

While stock is not quite so plentiful as last week, the quality of the Roses which comprise the majority of the stock offered is better than for some few weeks, and it is hoped that the weather of the past few days will continue and stock increase. Except with two or three growers, the Carnation's season is over; the flowers coming now will not stand shipping, one day being about the limit to their keeping qualities. Asters are improving a little, and some fairly good flowers are obtainable. It is reported that July was a remarkable month as far as the florist business is concerned.

Mr and Mrs. E. J. Bertermann of Indianapolis arrived in Chicago on Sunday last, to be present at the wedding of Mr. Bertermann's niece, Miss Bessie Atkinson, of 5832 Indiana ave., and Mr. Wm. Rossi, which took place on Tuesday, August 2, at the John Crerar Memorial Church. On Mr. Bertermann devolved the duty of giving the bride away. After spending the remainder of the week in Chicago Mr. and Mrs. Bertermann will return to Indianapolis on Saturday.

Robert Newcomb, a former retail Chicago florist, appeared on the wholesale market last Friday with two friends, in an auto, having come all the way from Brisbee, Arizona, leaving there June 22. Owing to their being delayed several days on the deserts, they did not make quite as good time as they had anticipated. From Chicago they journeyed to Detroit, and after resting there for a few days will return to Brisbee by rail.

Lincoln Park has two Century plants that will be in full bloom about the middle of August. These plants are 45 years old, and were presented to the park by Potter Palmer, 7 years ago. At that time one man could easily handle the plants, but this season it took 12 men to carry the plants from the conservatories. Gardener Schille says that they promise to be fine specimens.

A. Lange had all the railroad work for the funeral of Ira A. Rawn, among which was a casket cover of Killarney Roses and white Sweet Peas, large pillow, standing wreath, and square and compass. He also had a casket cover of shell pink Sweet Peas for a funeral at Joliet.

John Maugel displayed a most beautiful wreath of the fancy Water Lilies one day last week, which attracted crowds of people all day. A large vase of the Lilies arranged with water falling over them was also much admired.

Wintersons Seed Store is showing some fine bulbs of Amaryllis Johnsonii and Lilium Harrisii. John P. Degnan states that if he can complete the Fall catalog of this house in time he anticipates joining the Chicago delegation to Rochester.

At the Poehlmann Brothers Co.'s store fine blooms of Golden Glow Chrysanthemums are arriving from Morton Grove. Some excellent Carnations for this time of year are also to be had. John Poehlmann says Carnations these days are good property.

Hoerber Bros. have their new range of houses at Des Plaines completed, and are now busy planting them. They have at last got control of the water situation and hope soon to have all details pertaining to same complete.

Peter Reinberg and wife have returned from their trip to Yellowstone Park, which was much enjoyed. Tim Matchen says stock has shortened considerably, owing to the falling off of Carnations. The young American Beauty Roses are improving daily.

Wietor Brothers report a fine business for July, stock moving nicely at all times. The call for stock from all quarters convinces them that stock is short all through the West.

Fred Ottenbacher, of Zech & Mann's force, is away on his vacation. George Pieser is no longer in the employ of this firm.

Miss Anna Olsen, of A. Lange's, leaves this week for a two months' trip, expecting to visit both in California and Oregon.

On Friday last a fire started in the coal bins in the fourth sub-basement of the building in which Lange's store is located. No real damage was done.

Charlie Erne of E. H. Hunt's is enjoying a two weeks' vacation. Clifford Pfunner of this house has stated his intention of going to Rochester.

Charles Washburn says he could not think of missing the trip to Rochester, and will be with the boys.

Word from H. E. Philpott, from Toronto, Canada, states that the prospects for a big attendance at the Canadian Horticultural Association's convention at St. Catherines are good, everyone in the business showing more than usual interest in the meeting. It is assured that they will have an excellent trade exhibit.

The Chicago Florists' Club will hold its regular meeting on Thursday evening, August 4, when arrangements regarding the bowling team to represent Chicago at the S. A. F. convention will be completed. All other matters pertaining to decoration of trains, etc., will be arranged.

As yet no decision has been come to regarding a flower show in Chicago this Fall, although it is hoped that this week will determine matters one way or another.

George Fischer will spend a month with his folks at Kalamazoo, Mich. T. E. Waters of A. L. Randall Co. is back at his post of duty again.

Vaughan's Seed Store is expecting a carload of Lilium Formosum from the Japanese Islands. This is the first shipment received from there. Their French bulbs are also due the first of next week.

Owing to the extremely dry weather, Carnation plants at Joliet made such slow growth that the Chicago Carnation Co. are using their plants two to one in filling their houses. Manager Pyfer of this company, and his wife, and Mr. and Mrs. P. Olsem expect to attend the S. A. F. convention.

John Dowd, foreman for George Souster, Elgin, Ill., has left that establishment, and is building a range of houses at Elgin, where he will embark in growing for wholesale on his own account.

The Foley Mfg. Co. is erecting two new greenhouses for George Souster, Elgin, Ill.

Mrs. H. C. Hinchliffe of Racine, Wis., spent Tuesday in Chicago buying supplies for the Fall trade.

G. L. Grant, editor of the Florists' Review, has arrived from California and will spend a short time in Chicago.

Fred Sperry, of Vaughan & Sperry, has recovered from his recent illness, and is spending a two weeks' vacation at Minneapolis, Minn.

W. H. Kidwell has returned from his vacation spent at Eagle Lake, Mich.

J. B. Deamud anticipates making one of the party from Chicago to the S. A. F. convention.

Visitors: John Lapes, Cedar Rapids, Ia.; A. Elberfield, Kansas City, Mo.; Kirby B. White, of D. M. Ferry & Co., Detroit, Mich.; Arthur Herrington, Madison, N. J.; John Stamm, Hutchinson, Kan.

Cincinnati

Last week was one of the slowest we have had this Summer; the crop of Roses was scarce, American Beauty included; more could have been used were they to be had. Carnations are also in demand and hundreds could be sold at excellent prices. Asters are now coming into the market and are in good demand. Gladioli were a glut on the market last week, but today they are all sold. The greengoods market is very quiet.

E. G. Gillett and family returned Aug. 1 from a delightful trip to Traverse City, Mich.; Mr. Gillett looks well and sunburned; he reports having feasted on Cherries and also having enjoyed a few days of fishing.

Ray Murphy, Ed. Della and Charlie Witterstaetter have gone to Charleston, W. Va., to visit V. Witterstaetter who plays with the Charleston team. Joseph Maunders, one of Newport's (Ky.) leading florists enjoyed a few days up on the Miami river; while he and his party were out canoeing they came upon a nest of snakes and Mr. Maunders had the pleasure of telling some fabulous snake stories upon his return home Friday.

C. E. Hawkins of Leesburg, Fla., is spending his vacation with Tom Windriam.

Max Rudolph, Wm. Murphy and Gus Adrian are going up to the snows about the 12th of August; Wm. Gear, and C. E. Critchell expect to join them later.

The Cincinnati Florists' Club has decided definitely to send a bowling team to Rochester. E. G. GILLETT.

Indianapolis

The florists' picnic to be held at Bertermann's Grove, east of the city, Aug. 4, is the principal topic among the craft these days. The committee in charge, consisting of Chas. Pahud, Will Roepke, Homer Wiegand, Irwin Bertermann, A. F. J. Baur and Fred. Hukreide, is not sparing any effort to make the same a most enjoyable affair. Special cars are to leave Thursday noon and a large attendance is expected. A fine program of sports has been arranged for. A baseball game between the North Side and South Side teams, and a tug-of-war between the growers and the shopmen, are among the sporting events which have been planned by the committee. The flower stores are all to close at noon.

Mr. Chappell of Little Rock, Ark., was a recent visitor. He is making an extensive tour across the country and a study of the nursery business.

Chas. Pahud is among the motorcycle speeders.

Mr. Smith of the Marion Floral Co. visited the storemen this week.

E. T. Poetcher of Canal Dover, O., is shipping numbers of Gladioli and Asters to this city.

W. W. Coles spent a day with us this week; Mr. Coles is State Vice-President for the S. A. F. and is looking for new members. Not a large delegation is going to the convention from this city and so they will probably join the St. Louis or Chicago florists en route. A. F. J. Baur, Homer Wiegand, Irwin and John Bertermann are among those going.

I. B.

PEKIN, ILL.—The Kuhl greenhouses are undergoing repairs and alterations. Concrete walls, under the glass roofs, will be placed in position, and the glass is being raised. Hollow iron supports, filled with concrete, will hold the roof.

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Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

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THE BEST PLANT FOOD

$2.00 per 100 lb. bag, $30.00 per ton.

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STANDARD FLOWER POTS Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
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Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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St. Louis

The Retail Florists' Association held a meeting last Monday night in the hall of the Knights of Columbus Building. Secretary Weber said quite a lot of important business was transacted.

Oscar Kuehn of W. C. Smith Wholesale Floral Co., left with his family for a three weeks' trip to Chicago, Detroit, and Milwaukee, the last place his old home.

Charlie Young, treasurer of the C. Young & Sons Co., is off with his family for a few weeks' rest among the Northern lakes.

Otto Bruening of Bernings and Fred Alves of Angermullers have returned to their posts from their vacations and, judging from their looks, their vacations were beneficial to both.

Mr. Alex P. Geranios who, for the past five years was with F. H. Weber, will open his new store at Grand ave. and Olive st., August 15; it will be known as the Metropolitan Floral Co.

The Ladies' Home Circle held its meeting last week, Thursday afternoon, at the home of Mrs. Stridel in Olivette, Mo.; she is president of the Circle and those who attended say they had a great time.

Mr. Charlie Holzborn surprised his many friends by returning home from Europe last week; he was not expected until the latter part of the month. He says he had an enjoyable trip and looks the picture of health.

Mrs. Ayers, the Grand ave. florist, is having clean-up days and everything is looking bright with new paint; a big shipment of decorative plants is coming in soon and she will be ready for the opening of the season.

Invitations for the 21st annual Henry Shaw banquet to gardeners, florists and nurserymen are out. The directors of the Missouri Botanical Garden request the attendance of all invited. The dinner will take place at the Southern Hotel, Thursday evening, August 11, at 7 p.m.

H. J. Weber and Sons Nursery Co., through Frank A. Weber, have invited the members of the St. Louis Florists' Club to hold its September meeting on their grounds at Nursery, St. Louis Co., Mo.

The Florists' Club meeting will be held next week, Thursday, August 11. Election of officers will take place; S. A. F. convention matters will be talked over and it is important for all members to attend.

ST. PATRICK.

Sheep's Head Brand Pulverized Sheep Manure



The Ideal Plant Food For Florists.

Write today for Prices and Booklet.

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Pipe Hooks for Wood Posts

It matters not whether you want them to attach to wooden posts, to clamp around columns or to fit flat iron posts, we have all kinds in all sizes, for both steam and hot water.

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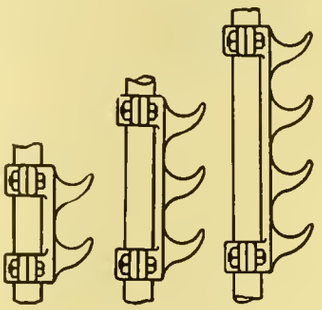

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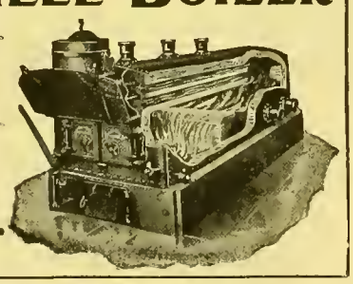

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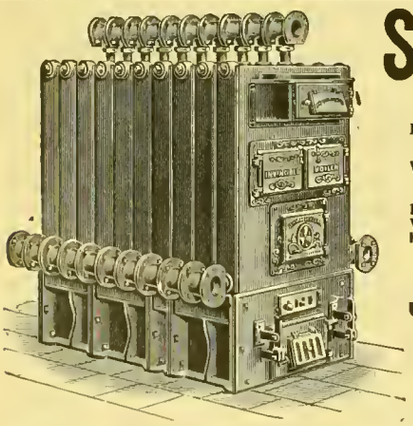

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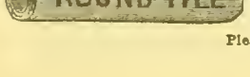

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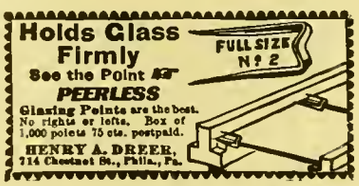

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Detroit

It is the generally prevailing opinion that July was a record-breaker, finishing up about 60 per cent. better than July of last year. We are all thankful to have seen the dreaded Summer month converted from a month of loss to one of profit.

Next Friday the Detroit Florists' Club will hold its annual basket picnic to Boishlanc Island. The committee on arrangements has prepared an elaborate program of athletic sports, with the never failing ball game and very enticing prizes. A long standing dissatisfaction with the present clubrooms in the Civic Building brought about removal to a very neat and homelike room at 112 Farmer st., occupied by the Cathedral Club, an organization to which Norman Sullivan belongs. Through his kindness the Club was enabled to meet there and, so to say, try the room out, which was to the fullest satisfaction of all present. This Monday, being election night at the Club, a lot of good natured electioneering took place, but the final result was a splendid set of officers for the coming year, as follows: President, Geo. L. Brown; vice-president, Herman Knope; secretary, Hugo Schroeter; treasurer, Robt. Rahaley. On account of the convention, the next meeting will not be until August 29, and by courtesy of Mr. Knope this meeting will take place on the lawn of Breitmeyer's greenhouses on Mack ave. Mr. Knope will provide tent, refreshments and many other things to make things pleasant.

Our S. A. F. State vice-president, Mr. Bloy, is very anxious to hear from those who want to join the local club on their way to Rochester. There is no more delightful ride than the boat ride from here to Buffalo. We shall leave here Monday, August 15, at 5 p.m., arriving in Buffalo at 8 a.m., next day. The boats are very much in demand at this time, and Mr. Bloy must know early what reservations are wanted. The single fare is $3.50, staterooms for two $2.50. The railroad fare from Buffalo to Rochester is $1.50. Write at once to Mr. Bloy and get good staterooms reserved.

F. DANZER.



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Illustrating the easy manner with which our Concrete Benches can be installed in your houses.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

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Greenhouse Material

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The best and cheapest.

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SIZES OUR SPECIALTY

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Which does away with all interior roof posts. In the wood for roof and wall construction, you cannot get anything better than our

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STRICTLY RED GULF CYPRESS, milled to any detail.

SASH, BARS, in all lengths up to 32 feet.

HOT BED SASH a specialty.

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Worcester, Mass.

The interest the children of Worcester are manifesting in growing flowers is pleasing to local florists who have generously contributed toward the movement.

Saturday last the first of the children's exhibits conducted by the Wor. County Hort. Soc. was held in Horticultural Hall and, in many ways, equaled that of the Society's itself, which was held the preceding Thursday.

The children grow and plant their own gardens and arrange their own exhibits. Only those under 14 years of age are qualified to enter the competion. It was surprising to see the little boys and girls of four and six, placing their blossoms in vases provided by the Society and arranging them on the long tables about the Hall. The youngest exhibitor, Ruth Howland, is but four years old; her cut flower display won a prize of $1 and Ruth was beside herself with joy.

Her brother, Weston Howland, carried off $3.25 in prizes. Weston is but 6 years old and has grown flowers for three years. His Pansy bed is worth seeing, there being 600 plants, each of which is in full bloom this week. Where one considers that the gardener is but six and has cared for the garden since it was planted and has exhibited Pansies that equaled those shown by any of the florists, it surely means that older growers will have to step lively to keep far enough ahead of the rising generation.

Willis C. Beveridge, Jr., was the largest prize winner among the children; he took $3.50 for his flowers and vegetables. Stanley and Allen Hixon, grandsons of Sec. Adin A. Hixon, who have carried off all kinds of prizes in Boston and Worcester, had a fine vegetable display but showed no flowers.

His Honor, Mayor James Logan, delighted the hearts of 600 children, representing 12 nationalities by his presence and pleasing remarks at the inangural exercises at the garden cities. The earnestness and enthusiasm of the little ones was sufficient recompense to the local florists who have assisted in making the garden cities possible.

Mr. and Mrs. Charles D. Mackie and family are summering at Scituate.

Mr. and Mrs. W. Atlee Putnam and Miss Priscilla Putnam are occupying their Summer home, Birch Nook, Lake Quinsigamond. The Worcester Conservatories' employees are planting Carnations under the direction of Leonard C. Midgley; 15,000 have already been set out and 2000 more will be put down before Sept. 1. Mr. Midgley is just beginning to cut his Roses which have done well the past month.

F. A. Madaus has plenty of Sweet Peas of many varieties and these receive much call for the Midsummer weddings.

The Boston store is making a specialty of pot plants. Rubber plants, Boston Ferns and Asparagus with Asters and Geraniums, were on sale there during the week and found their way to many Worcester homes.

We have had two or three refreshing showers which just saved the outdoor plants and revived the window boxes.

E. D.

Cultural Direction Leaflets

Prepared eapecially for seedemen to give away to customers. Written by experts with a view to the wants of the amateur. Seedamen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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"Ask the Man Who Has One"

Letter from W. J. Palmer & Son, two years after adopting the new construction:—

We have now had your Iron Frame Construction in use in our new carnation range for two years, and have found it entirely satisfactory, amply strong, and at the same time casting the minimum amount of shade.

We have in the past largely used the flat rafter type of iron frame house, but adopted the King Type on its merits and not on the question of price, though quotations we received for the flat iron rafter houses were 40 per cent. higher than yours.

We consider the Iron Frame House the best, and believe that you have promoted the best interests of growers by introducing a superior type of Iron Frame Construction, which is so reasonable in price that there is no longer any excuse for the building of either cheap wooden houses or expensive types of iron frame houses.

Wishing you every success, we remain,

Yours respectfully, W. J. PALMER & SON.

Send for Bulletin No. 35, which describes the King Iron Frame Construction

KING CONSTRUCTION CO., North Tonawanda, N. Y.

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The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

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Estimates Cheerfully Furnished

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Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

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Everything for Erection



GREENHOUSE GLASS 20,000 Bxs. in Stock At Wholesale

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Twin-Section Boilers

Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

We carry the largest stock of **HOT-BED SASH** in the United States

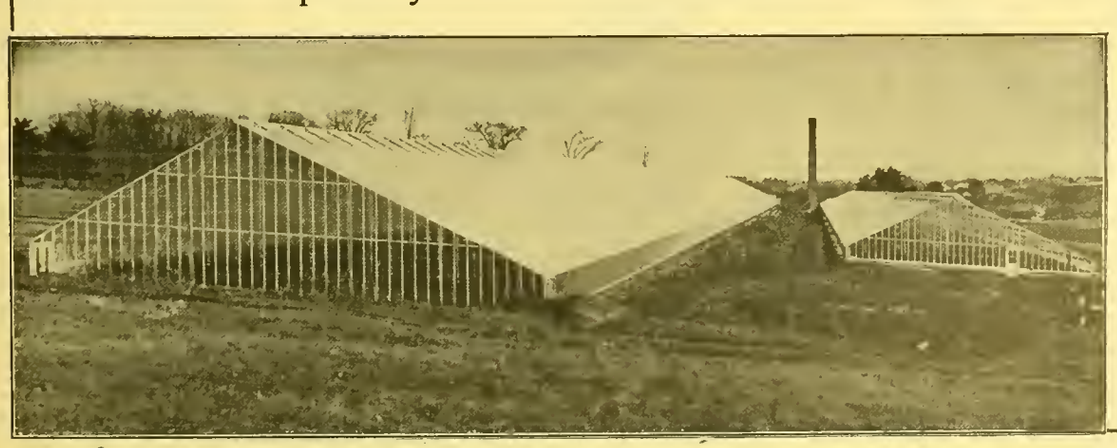
OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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? ? ?

DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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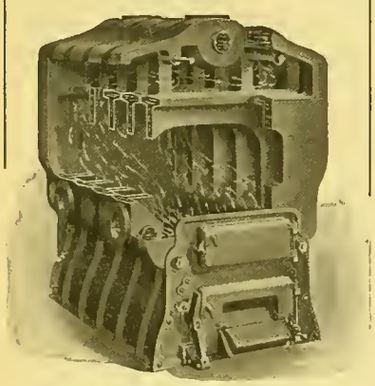
The Ideal Greenhouse Boiler



EVERYTHING in VENTILATING and HEATING
CHARLES H. DODD
576 to 580 Ocean Ave., JERSEY CITY, N. J.

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St
Please mention the Exchange when writing.

Our S. A. F. CONVENTION NUMBER will be issued next Saturday. Send Advertising Copy not later than Wednesday, Aug. 10

An Urgent Invitation And A Hearty Welcome

Next week's the Convention; the week when you and I and the rest of the faithful will put on our glad rags, and go to Rochester to find out what the other fellow is doing. And, he's doing things you can depend on that. Doing things that you can't afford not to be wise to. Incidentally, he wants to know what you have been up to in the past year. So be prepared to give an account of yourself.

After you have shaken all hands around with the boys, look up our Exhibit; it will be the next best thing to do. You will find several representatives there with exhibits from the Heating Department, the Material Department and the Iron Frame Department.

They know their business, every one of them, and are ready for business any two minutes you are. But one thing you can depend on, you won't be *urged* to buy a dollar's worth. If you should, however, so far forget yourself as to blow some of your good money, it will be a mighty pleasant thing for the boys to write about to the Home Office.

We would like to have written every mother's son of you, a special invitation, and put it in Uncle Sam's hands for delivery, but you have grown to be such a big family now, that it is out of the question.

So consider this an urgent invitation and a right hearty welcome to our Exhibit. Come around and make yourself at home. You will find things comfortable there—place to sit down—books to read.

Lord and Burnham Company
Irvington, New York
New York, St. James Bldg. Boston, Tremont Bldg.
Philadelphia, Heed Bldg. Chicago, The Rookery

Please mention the Exchange when writing.

Greenhouse Material of Louisiana Cypress and Washington Red Cedar

Hot-Bed Sash

Greenhouse Hardware and Posts Patent V and U Gutters.
OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.
A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL.

Please mention the Exchange when writing.

Write today for new circular
TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
TILE SIDES
Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.
THE CAMP CONDUIT CO.
613 Euclid Ave. - - Cleveland, Ohio

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

ROCHESTER CONVENTION NUMBER

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 7 NEW YORK AND CHICAGO, AUGUST 13, 1910 One Dollar Per Year

Widener Hall M.A.C. Aug 13 Amherst Mass

LILIUM HARRISII

Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis,** which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ....$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants .... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:

3-inch pots ..... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch.....	$8.00	$75.00
" "	2½-inch.....	6.00	55.00
White Killarneys,	2½-inch.	8.50	80.00
My Maryland,	2½-inch.....	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch.....	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

WE claim to have the most complete collection in the country. Our new list of Standard Varieties will contain over 50 double and semi-doubles, every one distinct, every one desirable, every one a seller, every one a gem.

We have an immense lot ready now for Fall shipment, from 3-inch pots at $3.00 per 100, $25.00 per 1000; our price for 2-inch stock of most of the Standard Kinds will be $2.00 per 100, $18.50 per 1000.

CANNAS Dormant Roots for Fall and Winter, as low as $2.00 per 100, $12.00 per 1000.

DAHLIAS Whole field clumps, good assortment, $6.00 per 100, $45.00 per 1000.

We will be represented at the Convention by R. Vincent, Jr., and R. A. Vincent, who will be pleased to meet Our Friends.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

Please mention the Exchange when writing.

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Heart to Heart Talk

On the Bulb Question Is In Order

We are in possession of our St. David's Island bulbs, and must say they never looked better. Unfortunately our stock is limited.

	Per 100	Per 1000
LILIUM HARRISII, 5 to 7	$5.00	$45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
WHITE ROMAN HYACINTHS, 11 to 12	2.25	20.00
WHITE ROMAN HYACINTHS, 12 to 13	2 75	24.50
WHITE ROMAN HYACINTHS, 13 to 15	3 00	28 50
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

If You Want the Very Best Pansies, Plant These Two Varieties. New Seed, Just Gathered

S. & W. CO.'S NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance, the seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed. Trade pkt. 25c., ¼ oz. $1.50, oz. $5.00.

WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Trade pkt. 50c., 1000 seeds $1.25, 5000 seeds $5.00.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARE NOW READY

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 inch (333 to case)	6.50	60.00
7-9 inch (200 to case)	9.50	85.00
9-11 inch (100 to case)	Scarce	

FREESIA

White Bermuda	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50

French Grown	Per 100	Per 1000
Jumbos	$1.75	$12.00
Mammoth, ½ to ¾ inch	.90	8.00
First Quality, ⅜ to ½ inch	.70	6.00

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write us for it.

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

Please mention the Exchange when writing.

ASTER SEED

WE are prepared to quote prices and book orders for Aster Seed for future delivery. While at the Convention look over our display of Cut Asters, and do not fail to visit our Aster Farm.

VICK & HILL CO., Rochester, N. Y.
P. O. Box 613

Please mention the Exchange when writing.

CALLAS

Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California
SOLE AGENTS FOR THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS

White Pearl Onion Sets now Ready

Largest Growers of Garden Seed. 228-230 W. Kinzie Street

Peas, Beans Headquarters

CHICAGO

LOWEST PRICES ON APPLICATION

Please mention the Exchange when writing.

Purchase Direct from French Grower Without Passing Through Dealer's Hands

HYACINTHS, Roman White, etc.
NARCISSUS, Grandiflora Paper White Trumpet Major, etc.
Freesia Refracta Alba, etc.

SOLEILLET, Horticulturist, Toulon, France

Please mention the Exchange when writing.

Seasonable Seeds

FOR

Summer Sowing

ALL THE LEADING KINDS

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

Please mention the Exchange when writing.

NEW CROP MUSHROOM SPAWN
JUST ARRIVED FROM ENGLAND
$8.00 per 100 lbs.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.



JOHNSON'S Prize Winner PANSIES



One of Our Kingly Prize Winners

	Large Tr. Pkt. (2000 Seeds)	Per Oz.
Giant Adonis, beautiful light blue	25c	$1.50
Giant Prince Bismarck, beautiful shade of brown	25c	1.50
Giant Striped	25c	1.50
Giant Peacock, ultramarine blue, claret and white, extra	40c	3.00
Giant Emperor William, the best blue	25c	1.25
Giant Black	25c	1.25
Giant White, with dark eye	25c	1.50
Giant Trimardeau, choice mxd.	25c.	1.00
Giant Fire King, golden yellow, upper petals purple	25c	1.50
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors	40c	2.50
Giant Lord Beaconsfield, purple, white petals	25c	1.25
Giant Yellow, with dark eye, fine	25c	1.50
Bugnot's Superb Blotched	40c	4.00
Cassier's Giant Five Blotched	40c	3.50
Giant Masterpiece, a magnificent variety with curled petals and many rich colors	40c	3.50
Giant Orchid-flowered (new), beautiful, rare shades	50c	5.00
Giant Odier, extra large, blotched, rich colors	40c	$3.00
Giant Imperial German Mixed, a rich strain	40c	3.00
Giant Parisian, brilliant colors, mostly five blotched, fine	30c	1.75
Giant Golden Queen, without eye	25c	1.50
New Giant Golden Yellow, five spotted, fine	40c	2.50

Johnson's Kingly Prize Winners, from the **World's Pansy Specialists.** Endorsed by the leading **florists** and **gardeners** throughout the country as the finest strain procurable.

We offer Seed as follows:

1000 Seeds, 30c. **2000 Seeds, 50c.**

5000 Seeds, $1.00 **Per Oz., $5.00**

Send for our complete Pansy List

Johnson Seed Co., 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Japan Bamboo Stakes

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.



Please mention the Exchange when writing.

Primroses

XXX

Strong 3-inch, $4.00 per 100.

Improved Chinese Finest grown. All colors mixed, single and double, strong 2-in., **$2.00** per 100.

Cyclamen Giganteum Very extra fine, 4-in., ready for 5 or 6-in. pots, **$10.00** per 100.

XXX SEEDS

Chinese Primrose finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, **$1.00,** 1000 seeds, **$1.50.**

Primula Kewensis the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. **25c.**

Cineraria large flowering dwarf, mixed, 1000 seeds, **50c.,** ½ pkt. **25c.**

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. **25c.**

Giant Pansy The best large-flowering varieties, critically selected. 6000 seeds, **$1.00;** half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of giant **Mme. Perret** pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP
SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

CANNAS

prices on what you can use. Catalogue free.

We grow over one million and offer for Fall or Winter delivery, as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale List mailed to those using seeds in quantity

Please mention the Exchange when writiog.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—Aug. 1.—Sanderson & Son, 30 cases Lily bulbs; L. D. Crossmond & Co., 253 cases Lily bulbs, 3 bbls. bulbs, 10 cases bulbs; Maltus & Ware, 9 cases bulbs. Aug. 3.—N. Nungesser, 550 bbls. Clover seed. Aug. 4.—L. D. Crossmond & Co., 3 boxes Lily bulbs; A. E. Onterbridge, 44 boxes Lily bulbs. Aug. 5.—H. F. Darrow, 8 cases Onion seed. Aug. 6 and 7.—R. M. Ward & Co., 623 cases bulbs; W. Hegeman & Co., 144 cases bulbs; H. F. Michell Co., 303 cases bulbs; H. A. Dreer, 265 cases bulbs; A. Roelker & Sons, 155 cases bulbs; Vaughan's Seed Store, 520 cases bulbs; Amerman & Patterson, 46 cases bulbs; F. R. Pierson Co., 110 cases bulbs; F. B. Vandegrift & Co., 118 cases bulbs; J. W. Hampton, Jr. & Co., 239 cases bulbs; Skidelsky & Irwin Co., 251 cases bulbs; W. P. Stokes, 85 cases bulbs; Maltus & Ware, 672 cases bulbs. Aug. 8.—H. Nungesser & Co., 119 bbls. seeds.

European Notes

Having resigned ourselves to the heavy losses on this year's crops we are naturally looking forward to next year with feelings of peculiar interest in the hope that some necessary recompense will be forthcoming.

It can hardly be expected that the outlook will be very encouraging and this in spite of the fact that, so far as external appearances go, plants of Brassicas are remarkably well developed at the present time, the rains having kept them in full growth right along.

What bothers us most just now is to know when harvest will really begin in good earnest so that we can get the land ploughed up and transplant our Cabbages and Kales as speedily as possible, in order that a wholesome check may be given to what threatens to become a too luxurious growth. Three weeks of really fine hot weather would do all this for us and we might then look forward with pleasurable anticipations for next year's crops.

The young Onions are in a very similar condition, full of growth and more inclined to neck than to bulb. We know what this foreshadows from our experience this year, but here again three weeks of August sunshine would work wonders and we could store our bulbs with perfect confidence in their keeping qualities. The soft nature of the bulbs, as the result of the cold and rainy season of 1909, is the main cause of the rapid development of mildew which now threatens to completely destroy the present growing crop.

By the way, the extraordinary price demanded for good growing seed of the White Lisbon Winter Onion (5 francs per kilo.) has checked sales very considerably. Gardeners who in previous years have bought this article for one-fifth of the present price do not care to bury so much good money. It is difficult to see how prices can fall in the face of this year's almost complete failure, and should the present conditions continue the same difficulties will probably exist

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

Lilium Harrisii

High Grade Stock

5 to 7, 6 to 7, 7 to 9, 9 to 11,

At Popular Prices

INQUIRIES SOLICITED

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

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SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Reliable Florists' Flower Seeds, Sow Now!

	Oz.	Tr. Pkt.
ASPARAGUS, Sprengeri, a special imported fine Strain, 1000 Seeds $1. 10,000 Seeds $6		
BEGONIA, Gracilis Luminosa, with large Scarlet Flowers, 6 Tr. Pkts. $2.50		$0.50
BELLIS, Perennis Flore Pleno, Double Daisies, large-flowered Varieties, fine Mixed	$2.50	.30
BROWALLIA, Speciosa Major, fine winter bloomer, 6 Tr. Pkts. $2.50		.50
CALCEOLARIA, Hybrida, Tigered and Spotted. 6 Tr. Pkts. $2.50		.50
CARNATION, Hardy Garden, the finest double flowered Mixture	2.00	.30
CINERARIA, Hybrida Grandiflora, Semi-Dwarf, Mixed. 6 Tr. Pkts. $2.50		.50
Hybrida Grandiflora, Dwarf Hybrids, Mixed. 6 Tr. Pkts. $2.50		.50
CYCLAMEN, Persicum Giganteum, Strain of highest completion, Blood-red, Carmine, Pink, Pure-White, Rosa von Marienthal Daybreak, White with Carmine Eye, each color. 1000 Seeds $6.		1.00
The above colors, even mixed. 1000 Seeds $5.		.75
FORGET-ME-NOTS, (Myosotis), Robusta Grandiflora, Blue	1.00	.20
Victoria, Blue, best for pots	2.50	.35
Winter Queen, for greenhouse use only	4.00	.50
MIGNONETTE, New York Market, for greenhouse	8.00	1.00
Zangen's Triumph, large flowered, new, fine for greenhouse	3.00	.50
PANSIES, Special Cemetery Mixture	3.00	.40
Special Florists' Mixture	4.00	.50
Bugnot's Giant, very showy colors	4.00	.50
Cassier's Giant, Improved Mixture	5.00	.70
Cassier's Giant, Yellow-Grounded, best of all	6.00	1.00
Cassier's Giant, White-Grounded, best of all	6.00	1.00
Trimardeau Giant, Elite Mixture	3.00	.40
Giant-Flowered Varieties: Lord Beaconsfield, Black King, Emperor William, Golden Yellow, Pure-Yellow with black eye, Purple, Pure-White, each color	2.00	.30
PINKS, Hardy Garden, Double Dwarf Early, mixed. 6 Tr. Pkts. $2.50	4.00	.50
PRIMULA, Chinensis, Giant Flowered, Fringed, mixed. 1000 Seeds $1.50		.50
STOCKS, Princess Alice, Pure White selected Strain for Greenhouse use.	3.00	.50
Giant-Perfection, Snow-White, fine for cut	3.00	.50
Beauty of Nice: Carmine, per oz. $3. **Daybreak Pink,** per oz. $3 **Rosy-Lilac,** per oz. $3. **Snow-White,** per oz. $3.		.50
Pink and White Column, very fine for cut, each color	3.00	.50
SWEET PEAS, Christmas, White and Pink, each. Lb. $1.00		.10

For other Varieties ask for my Catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

HAVANA Tobacco Seed

(TRUE VUELTA ABAJO)

$1.25 per lb. by mail prepaid.

Write for prices for larger quantities.

Cash with order.

Alberto R. Langwith & Co.

Seedsmen and Florists

66 Obispo Street, Cerro, Havana, Cuba

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Hairy Vetch

Crimson Clover, Kentucky Blue Grass, Timothy, Orchard Grass, Red Top or Herds Grass.

J. BOLGIANO & SON

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

again next year but in an aggravated form.

One is tempted to say just one word about Peas but the only possible word is simply "awful." EUROPEAN SEEDS.

American Notes

Trade Continues To Improve

Although it is still Midsummer, the gradually improving general trade conditions with our seedsmen, which have been quite marked ever since the month came in, continue. Immediate sales of seeds proper at retail are, of course, expected at this season to be comparatively small, but with some good rains, which are almost everywhere urgently needed, there is still time for much planting of seasonable seeds to be done. As regards the bulb business, it is daily increasing in volume and very soon now will be brisk; indeed, it will not be long before the Autumn catalogs begin to be distributed. But good general rains are absolutely essential to prepare the ground for effective Fall sowings, and should the present dry weather continue the rest of this month and into September the usual large sales of Grass seeds especially, will be most materially reduced. The traveling salesmen of the larger wholesale seedsmen keep sending and bringing in the reports that general orders already being booked and in immediate prospect for next Spring's sales are much in advance of a year ago; and, without question, this in great measure is owing to the now widespread information, from the seed growers of many sections, that many growing seed crops have been most seriously injured by the continued dry weather, and their urging everyone to supply their seed needs for another season while prices remain as reasonable as they are now; much higher rates on the general average for everything in seeds seem assured in the very near future.

It is certainly most discouraging to again learn that, in so many directions, much less than average to practically in some sections seed crop failures will be the rule rather than the exception this year. In this connection let it be remembered that for many weeks past a note of caution has been sounded in this column, to the effect that, at best, average yields from the growing seed crops were the most to be expected by seedsmen; and now from day to day keep coming letters from the seed growing sections of the country, confirming steadily this view of seed shortages and consequently enhancing seed values for the coming season of 1911.

That a very unusually large number of standard varieties of Garden Peas will be in short seed supply there is now no doubt whatever; the reports from the Bean growers are somewhat better, but no large yields are expected in any direction. As regards Sweet Corn, it is also giving both growers and seedsmen much uneasiness; for since the middle of July the season has averaged so very dry that unless rains come soon to help further growth, nothing can prevent most meager supplies of a large number of both the early and late sorts. The prospect for deliveries on California Onion seed, being well up to full quantities contracted for with the growers, seems at this writing quite encouraging, although there will probably be some falling off of seed yield in the white varieties. So much for the seed crops to date; in a very short time now more definite information will be forthcoming.

That Autumn Bulb List

Even if a seedsman does not feel

that his sales of Fall bulbs would warrant the publishing of an extensive catalog, at least he should have an illustrated and attractively arranged list of Hyacinths, Tulips, Narcissus, Crocus and other hardy bulbs. Besides the Holland and French bulbs, there are many items, such as fertilizers, insecticides, house plants, etc., that could be listed and sold to good advantage all through the late Summer and Fall. The writer mentioned some weeks ago that the publishers of The Florists' Exchange have prepared a little thirty-two page booklet, under the title "Bulbs for Fall Planting." This little bulb booklet enterprising dealers will find of much value in securing bulb orders the coming season. On the cover the seedsman's name and address are printed, and several pages in the back of the booklet are arranged for his own bulb price lists; the whole makes a most attractive and business bringing bulb catalog and, better still, at a most reasonable cost. It is going to be a very active season of bulb selling this Fall, and a bulb list of some kind will be certainly needed by every dealer. V.

New York Seed Trade

Trade continues to improve in all seasonable lines. French bulbs are arriving and selling fast, especially, of course, Paperwhite Narcissus and White Roman Hyacinths. Our seedsmen are all very enthusiastic, and we are destined to have one of the best Autumn bulb selling seasons in years, and all the bulb stock will be here early, they tell us, this season.

Wm. Elliott & Sons are distributing their wholesale Autumn catalog of bulbs and seeds, and it is a most attractive list.

Peter Henderson & Co. have such a remarkably attractive window display this week that it is well worthy of mention. Water Lilies and Cannas compose the floral part of the display; there is also a duck pond with live ducks. The firm has had a special list of Water Lilies printed for distribution, describing the sorts exhibited in their windows.

Burnett Bros. are very busy, advance orders for bulbs being well in advance of any previous season. They are this week receiving large quantities of French stock.

R. MacNiff, who, for the past eight years, has been with Wm. Elliott & Sons, in their auction department, has severed his connection and started for himself as a horticultural auctioneer at 62 Vesey st. Mr. MacNiff will have his new store in shape for the September auction sales.

Harry A. Bunyard of Arthur T. Boddington's, is spending a short vacation in the Catskills, at Greenville, N. Y.

At present writing, it would seem that a larger delegation than ever before of seedsmen will attend the Rochester S. A. F. convention. All our firms are contemplating sending one or more representatives.

Peter Henderson & Co. have arranged for the week beginning August 22 a grand display of Gladiolus blooms. The firm has had this matter in contemplation a long time and feeling that a great many members of the S. A. F. returning from the Convention would no doubt stop for several days in our city, they have arranged this display for their consideration and study. On exhibition will be some two hundred of the best varieties, including all the leading novelties and many meritorious sorts not as yet introduced. The firm extends a very cordial invitation to all lovers of the Gladiolus to visit its store during the week of August 22 and make a critical examination of these flowers.

Advices from California, received within a day or two from several prominent seedsmen, give quite encouraging reports regarding the outcome of the Onion seed crop.

Our seedsmen have one and all expressed the greatest appreciation regarding the very complete plans that the transportation committee of the New York Florists' Club have made for the tour to Rochester. This trip to the Flower City is looked forward to with much enthusiasm. The courtesy of the committee in inviting all who travel on the convention special train to be guests at dinner on the going trip at the Glen Summit Springs Hotel, Glen Summit, Pa., where the train will stop one hour at about 1.45 p.m., has received the appreciation it most certainly deserves. Messrs. Traendly, Young and Bunyard have the hearty thanks of the whole trade.

Several of the trade were very much interested in Robert Kift's paper, entitled "The Mission of the Trade Paper," as read before the Florists' Club of Phila-

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.

	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price.	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating.	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich.	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color.	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped.**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50

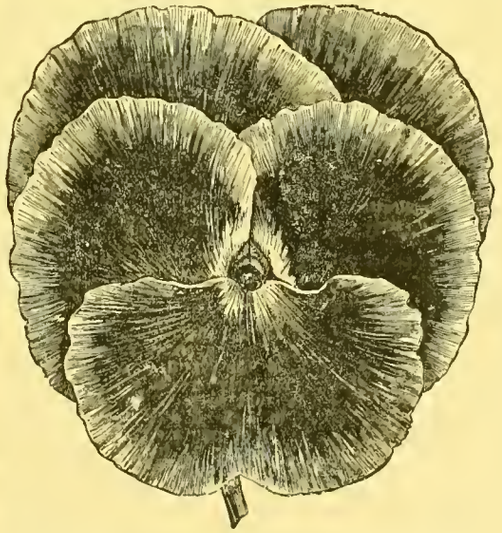


HENRY A. DREER, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Vaughan's Giant Pansies

10 per cent. special CASH DISCOUNT. On orders over $2 for Flower Seeds if cash is enclosed **10 per cent.** The discount does not apply to Asparagus Seed Cash discount on this is 2 per cent.



Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c.; ⅛ oz., 50c.; oz., $4.00; ¼ lb., $14.00.

Vaughan's International Pansies

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent. of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which have established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c.; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.

Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50 cts.; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.

Vaughan's "Elite Pansies"

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt. 50c., ⅛ oz., $1.00.

Vaughan's Premium Pansy Mixture

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c., ⅛ oz., 75c.; ½ oz., $2.50; oz., $5.00.

Improved German Mixture

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c.; ⅛ oz., 20c.; ¼ oz., 30c.; oz., $1.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

VAUGHAN'S SEED STORE

84 and 86 Randolph St., CHICAGO GREENHOUSES WESTERN SPRINGS, ILL. **25 Barclay St., NEW YORK**

Please mention the Exchange when writing.

VIOLET CULTURE
Price, $1.50 Postpaid
A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

The book of WATER GARDENING By Peter Bisset
Price, postpaid, $2.50
A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has growa it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.60	$2.00
Giant Preliosa. Crimson-rose, white margin, violet blotch	.15	.60	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50
Giant Trimardeau. Improved Mammoth-flowering and in good range of color..	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Caesler's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	2.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	2.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.60	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shadee of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, ao eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, **$1.00;** ¼ ounce, **$1.50;** ½ ounce, **$2.50;** 1 ounce, **$5.00;** ¼ pound, **$14.00;** ½ pound, **$25.00;** 1 pound, **$50.00. Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt **50** cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., **50** cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N.J.

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple, Black, Masterpiece, Red, Brown, Bronze, Dark Blue and Light Blue Shades.** Trade pkt. 25c., any five $1.00, 12 pkts., one of each variety, $2.25.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, stripped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.



Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ⅛ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 539 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N.Y.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

LILIUM HARRISII, The True Bermuda Easter Lily. Extra size bulbs, 7-9 in. circumference, per case. (200 bulbs), $17.00.

Lilium Formosum, 7-9 inch circumference, per case (300 bulbs), $20.00.

WEEBER & DON, 114 Chambers St., NEW YORK
SEED MERCHANTS AND GROWERS

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

delphia on August 2, and which was published in its entirety in last week's issue of the EXCHANGE. It may be very opportunely mentioned in this connection, that so great has become the interest in seed advertising in this city, that several of our seedsmen are taking special courses of instruction with known experts in the art of advertising.

George G. Stumpp of the Stumpp & Walter Co. has returned from his vacation in the Adirondacks. Although he was away only a few days, he says he enjoyed his trip immensely.

Ralph M. Ward & Co. are still ahead of previous years in their orders for Lilies. No doubt this is accounted for by the satisfaction their bulb stock gave in the past season.

S. D. Woodruff & Co. of New York and Orange, Conn., report that a large majority of the varieties of Garden Peas will be in short supply again the coming season.

WATERLOO, IA.—W. R. French, proprietor of a seed store for a quarter of a century, has retired from active business. He has sold his stock and good will to N. J. Berkley, who has conducted a store of similar character at Jefferson and West Sixth sts. The change becomes effective at once. Mr. French has been identified with the business interests of the city for many years, and for years has conducted the store on Lafayette st., between Fourth st., and Park ave.

Philadelphia Seed Trade

In vegetable seeds, some Peas and Snap Beans are selling locally for August planting, and also Spinach, Kale and Turnip seeds, in small quantities. In flower seeds, Pansies are moving well, and Mignouette also.

The outlook is for a heavy sale of bulbs, and such as have arrived are being shipped out quickly.

Henry A. Dreer, Inc., has been making preparation for a very full exhibition of all its specialties at the S. A. F. convention at Rochester. On Friday it shipped a carload by fast freight from Riverton, N. J., of Palms, Ferns and other greenhouse plants. There will also be an exhibition of its goods in the line of hose, tubs, glazing points, etc. This year, too, there will be an exhibit of blooms of Asters, and Summer flowering bulbs. John Ruppert, James Karin, Joseph Goudy and George Parsons will have especial charge of the exhibition of cut flowers, and J. Otto Thilow, the secretary of the company, will represent the company and welcome everybody to the exhibit. In the Dreer window at 714 Chestnut st., there is this week a display of blooms of the hardy herbaceous plant Liatris pycnostachya, commonly called Kansas Gay Feather or Blazing Star, very gay and showy blooms. The bright effect of these is toned down somewhat by some nice speci-

Bulbs! Bulbs!! Bulbs!!!

RUSH ORDERS CABLED ABROAD

IF you are in need of Bulbs of any sort or description for Fall use, do not place your order without first writing to us for prices and information.

BY mailing your order to our NEW YORK OFFICE, 32 Laight St., you will save at least two weeks, as such orders are cabled to the home office, without any extra cost to you.

We also wish to call your attention to our low freight rate of $6.50 per ton from Holland to the United States, which is one-half the rate any other house can obtain.

C. KEUR & SONS, Hillegom, Holland

Branch: 32 LAIGHT STREET, NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

mens of Cocos Weddelliana, and some richly colored Rex Begonias.

W. Atlee Burpee was at Santa Barbara, Cal., Aug. 4, and left for his ranch at Lompoc Aug 5. Robert Buist of Phila. had been staying in Santa Barbara two weeks and reports it as having the most delightful Summer climate he ever experienced. Mr. Buist and F. H. Howard have both visited the Lompoc ranch; they think the Sweet Peas there seem of the very finest and compliment Mr. Lonsdale highly on the appearance of the place.

The H. F. Michell Co.'s baseball team played the St. Andrews team on Aug. 6. The score was 7 to 5 in favor of the Michell team; Wm. Mitchell pitched, and F. Schermerhorn caught for the Michell team, and F. J. Michell, Sr., umpired the game, which was played at Fairmount Park. In its store window this week the company is making a Mushroom display. Not only the cakes of French spawn and the books telling how to grow it are shown, but also a Mushroom bed, with the Mushrooms growing in it. This company will make a very full and interesting display at the S. A. F. convention at Rochester. Its bulbs for the exhibit have already arrived, but these will form only a mere item of their very comprehensive exhibit. F. J. Michell, Sr., and I. Rosnosky will be at Rochester to meet and welcome friends. The company reports large sales of its cold storage L. giganteum.

W. J. Sherry, of the Johnson Seed Co., has just returned from his vacation. He reports an enjoyable, but all too brief a vacation, climbing the mountains around the Delaware Water Gap. He says the Pansy seed sales are very good and that there are moderate sales of Myosotis, Mignonette, Bellis perennis and Cineraria, and of Peas, Beans, Winter Beets, and Kale.

George Atkinson, manager for the Stokes Seed Store, reports trials of 42 varieties of Onion seeds, by which a comparison is made of home grown, foreign and Bermuda seeds. This house will make a display at the Alcyon Park Fair, at Pitman, N. J., of its poultry supplies, implements, and vegetables grown at Floracroft trial grounds. W. P. Stokes of the company and S. F. Willard of Comstock, Ferre & Co., Wethersfield, Conn., have sailed for this country, and are expected to arrive next week.

The Moore Seed Co. received, on August 2, one of the first shipments of Roman Hyacinths, Paperwhite Narcissus, French Trumpet Major and Freesia bulbs. It is very busy now shipping these bulbs out to fill orders.

George Watson is busy making up the catalog of the Robert Buist Co., 6 South Front st., Philadelphia.

CHICAGO.—The Onion set harvest has begun; sets are unusually choice in size, Vaughan's Seed Store is shipping Winter sets.

PEORIA, ILL.—Frank E. Rue has installed a cut flower department in connection with his seed store, having bought out the lease next door and cut arches through, connecting both stores, doubling the former capacity. The addition was necessitated by the steady increase of business, the past season having been a particularly good one.

LOUISVILLE, KY.—The Ross Seed Co. recently received a visit from a European firm in the person of John DeWitt, of Hamburg, Germany, who represents Ernst and Von Speckleson, a big seed corporation in the Fatherland. Mr. De Witt journeyed across the Atlantic for the express purpose of buying Bluegrass and Orchard Grass seed in the Kentucky markets, and made several big deals with local firms.

Wood, Stubbs & Co., who are one of the biggest seed firms in the local market, recently increased their capital stock from $75,000 to $125,000. In addition to an enlargement of capital, they are enlarging the firm's main offices to a considerable extent and expect to have the most modern quarters in the city when the improvements are completed.

Louisville seed dealers have received information from Winchester, Ky., to the effect that 30,000 bushels of Bluegrass seed, comprising the bulk of the crop in that section, were sold to an independent firm at $1.55 per bushel. The abnormal price is the result of a very small crop, which was shortened on account of heavy and continued rainfall during the growing period. G. D. C.

Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

SAC CITY, IA.—Conger, Ball & Co. have started erecting a seed warehouse on their lots east of H. G. Bane's office and near the Chicago & Northwestern side track. The building, which is to be a frame structure, will be three stories high and 32 by 100 ft. in size, and will cost about $7000. The third story will be used for the storage of seed Corn, while the other two will be utilized to store seeds of all kinds. The building will be equipped with freight elevators and the latest cleaning machinery for cleaning grain and seed, but principally seed. The structure will be completed and ready for business in about six weeks.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Cultural Directions

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Michell's Cold Storage

Lilium Giganteums

Sold in original case lots. When received, unpack and pot immediately. These are no longer an experiment, as many growers force Lilies all the year around. They can be brought into flower in from ten to twelve weeks if planted now.

	Price per case	Per 1000
6 to 8-inch bulbs, 400 to a case	$24.00	$60.00
7 to 9-inch bulbs, 300 to a case	24.00	80.00

Hardy Speciosum Lilies, from Cold Storage

	Price per case	Per 1000
Lilium Melpomene, 8 to 9-inch, 200 to a case	$15.00	$72.00
Lilium Rubrum, 8 to 9-inch, 200 to a case	12.00	57.00

Our Wholesale Summer Catalogue of Seeds, Bulbs, Etc. Free.

HENRY F. MICHELL CO., 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Carnations

The Care of the Newly Planted Stock.

The critical time with the newly housed Carnations comes right after planting. In most cases we have to do with plants that have been in the field, where they have been in the open under natural conditions, and a short, healthy growth has been the result. With us, here, the field plants haven't had a drop of rain or other water since the tenth day of June. To take such plants, remove them to a greenhouse, into a temperature going on hot days up to and over 100 degrees, their roots in wet soil, and a close atmosphere surrounding them, is indeed liable to bring about a weakened condition. Anything that can be done to keep the houses cool and well ventilated, so as to have pure air, should be done. Examine the soil; keep it moist, but not soaking wet all of the time; spray the plants lightly but often. The proper care is not to allow the plants to wilt any more than is absolutely necessary. Shade on the glass for the newly planted stock is all right, but don't keep it on any longer than needed; remove a little after the first few days, and a little more every day. Growth made in the shade is of little use to the plants. Unless there should be a hot dry wind prevailing, it is best to keep the doors of the houses open; the plants need all the air they can get, it will keep them healthy and hardy. As soon as the soil is properly settled around the roots of the plants, start cultivating—the oftener the better—it keeps the soil sweet. We often find plants after the first watering in need of straightening out; the sooner this is attended to the better; to wait three to four days before doing it is wrong, for it means disturbing the newly made roots.

Sweet Peas

As Valuable Cut Flowers During the Winter Months.

Winter flowering Sweet Peas are of as much importance with the retail grower as any other cut flower on the place, and this importance has become more and more a fact in the last ten years, the list of sorts especially adapted for indoor early blooming getting to be quite a long one. However, for the small grower, who, perhaps, devotes one or two benches to their culture, the Blanche Ferry type, a clear white and, perhaps, a lavender is all that can be grown, and from these he should be able to fill orders to any extent calling for one color at a time. Where only a part of a bench can be had for the Peas the white one will best suit for the many uses the florist has for the flowers. Frequently a beginner will inquire as to what to grow for filling a bench which has been emptied of Chrysanthemums or some other crop. In such cases nothing better could possibly be recommended than Sweet Peas. The proper thing to do is to have always on hand a fair amount of seed, and quite a few plants in 2½-in. or 3½-in. pots. The cost of seed and labor is so small that one can well afford to throw them out if not wanted, but, usually, the average grower will make one sowing in Fall and that is the end of it. A sowing once a month from the middle of August on up to January will give each month a nice lot of plants for benching. If no use can be made of a certain batch, empty the pots and sow out again. One can never tell what will happen in a month's time on a place where everything under the sun is handled to meet the demands of a retail trade. But one thing is certain, and that is, that a good bunch of Sweet Peas during the Winter months will always demand a fair price, and always find a purchaser willing to pay it.

Indoor Culture of Sweet Peas

For Early Blooming Sow Out At Once.

The first thing to consider is head room. You should have not less than 6 ft. of it, and the more over that the better. Plenty of head room, rather stiff soil, allowing plenty of space between the plants, sun, and good ventilation will produce flowers. If you are short on any of the above requirements you are going to have trouble. In regard to temperature: a Carnation house is just the thing; with the temperature you grow your Enchantress in the Peas will do nicely. The specialist uses solid beds, large enough to give the plants what, practically, could be called field culture; but good flowers can be grown on benches. For the present sowing, which ought to give flowers from the end of November on, sow the seeds right in the bench, about five seeds every 12 inches, in rows across the bench, allowing about 18 inches of space between the rows. When the little plants are large enough to handle, remove all but three to a place, these will have a chance to branch out and give good flowers. There is more failure in the culture of Sweet Peas in and out of doors on account of planting too close than anything else; it seems that because the seed is cheap and everyone will grow, we ought to plant ten times as much as is necessary. When it comes to soil, avoid a light, rich mixture, for that always means a rank growth. A heavy, not poor, and yet lightly manured soil is best for the Peas. Plenty of cultivation and timely attention to the supports of the plants are also of great importance. Never allow your plants to lay over on their sides; when small, apply your wires and twine early enough to avoid it.

Roman Hyacinths

Plant a Good Supply for the Coming Season.

There is but little call for Romans much before Christmas. It is almost up to that time before the average customer has much use for anything else but Chrysanthemums. For the holidays, however, the little white flowers of the Hyacinths are most useful. For design work there is nothing to quite equal them, and so long as we have call for such work we will grow Romans for that purpose. If grown cool, planted early and not too close, each bulb will produce three to five spikes of flowers, especially the 12 to 15 size bulbs. Another use to which Romans can be put is for made-up dishes and pans for Christmas, and for that purpose they surely are a paying proposition for the retail man. Wherever there is any trade at all, well filled pans, dishes, hampers and baskets of Romans are bound to find admirers. There is no necessity for filling or planting the bulbs now into the pans they are to be sold in, for you can take up the flowering plants a week before Christmas, without any harm, and make a much better job. Only give the bulbs to be used for this purpose plenty of room. If cut flowers are wanted, most growers set the bulbs closely side by side in the flats; this will not allow the plants to form a bushy, short growth, but this is what is wanted for the stock in pans. For that purpose get the large size bulbs, the 13 to 15 centimetre ones, and allow one inch of space between them in the flats. When planting, have the tops of the bulbs just below the soil, this will help toward getting a short growth. Place the flats out of doors, in a cold frame if at hand, and cover with five to six inches of soil or other material. Keep the soil surrounding the bulbs always moist, and by October start the first batch to the greenhouse.

Violet Plants

Gov. Herrick and Princess of Wales, fine field plants, $5.00 per 100, $45.00 per 1000.

Lady Campbell, $4.00 per 100, $35.00 per 1000.

Aster Plants

Semple's Branching, White, Pink and Lavender, $1.75 per 1000.

PRIMULAS, Chinese and Obconica, CINERARIA (dwarf) Double, ALYSSUM, ASPARAGUS SPRINGERI, 2½-inch, $2.00 per 100, 300 for $5.00.

CELERY and CABBAGE PLANTS, best varieties, $1.00 per 1000, $7.50 for 10,000.

PARSLEY PLANTS, Double Curled, from field, $1.50 per 1000.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ¼ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Cyclamens

For Extra Large Specimens Sow Out Now.

The middle of August is about as early as is necessary to get ready for sowing seed for your supply of plants for another season. The plants grown from this sowing, if not neglected, make the exhibition stock, for they have, practically, 16 months before beginning to bloom; but, perhaps, with no other plant is it of more importance not to allow the stock to suffer in any way. A stunted Cyclamen hardly ever can be gotten into shape again, so it means uninterrupted, constant care in order to get proper results. If there is any doubt about being able to give this there is little use starting now, one will do bet-

(*Concluded on page 230*)

"NOT HOW CHEAP—
BUT HOW GOOD"

Horseshoe Brand Products



Don't get your headlight behind—light up ahead and keep going. If you hold a penny close to your eye, of course, you can't see a dollar behind it. Save a penny and lose a dollar? That's what some buyers do who insist upon the cheapest they can get in bulbs. It's false economy. It is the net profit that counts, and not so much the first cost; therefore buy the best you can buy, and insist upon getting it.

Write for prices on bulbs—good bulbs

RALPH M. WARD & CO., 12 West Broadway, New York





These two illustrations are from original photographs taken in May, 1910—both are Giganteum fields in Japan.

And still some say the bulbs are all alike.



ASK for our New Wholesale Catalog of Seeds, Bulbs and Florists' Supplies, now ready.

DON'T fail to see **Michell's Exhibit** in the Convention Hall, where our representative, Mr. I. Rosnosky, will be in attendance. Our Mr. Frederick J. Michell will also be about to greet our many friends.

Seeds, Bulbs Fertilizers Insect Destroyers Florists' Supplies

The Michell Equipment Two Large Establishments on Philadelphia's Main Street, containing 59,000 square feet of floor space, Large Warehouse on Ludlow Street and Extensive Trial Grounds, containing twenty acres, at Torresdale, Penna., Facilities surpassed by none for supplying the Florists with Bulbs, Seeds, etc.

HENRY F. MICHELL CO., 518 and 1018 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Florists' Supply House of America

OUR Exhibition at the S. A. F. Convention at Rochester, August 16th to 19th, will comprise the choicest Old World Novelties which we have personally selected, while abroad; and all that is newest and best which the New World produces.

We extend to all a Cordial Welcome to Our Exhibition. Our expert salesmen will be there to give you attention and aid you in making Selections.

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

SEND FOR CATALOGUE

Please mention the Exchange when writing.

The Week's Work

(*Concluded from page 228*)

ter either by sowing out three months later or buying young stock for growing on. Flats of convenient size, about 15 inches by 20 inches in diameter, 3 inches deep, are just the thing for seed boxes. Use a light, clean soil; leaf mold, a little well rotted cow manure and sand forms a good mixture. Provide good drainage, fill the flats up to about one-half inch from the top, and sow in drills about 1½ inches apart. For the size flats mentioned, about 40 seeds are needed per drill 15 inches in length. Cover the seeds lightly. If after a thorough watering any of the seeds show through the surface, apply another light covering of finely sifted sandy soil. Cover the flats with either a thin board or lights of shaded glass; this always helps to keep the surface moist while the seed is sprouting. If fresh seed is made use of, in two weeks there will be signs of life, and as soon as the seedlings are large enough to handle transplant them in another flat. The seedlings will keep on coming up for weeks, but the first ones make the best plants.

Seeds to Sow

A Short List of What Ought to Go Out at Once.

You shouldn't go on your vacation before the Pansies, which are wanted for early blooming next Spring, are sown. This is just the right time for sowing the main batch. Sow thinly, in drills about four inches apart; in that way it is easy to cultivate the small stock, more so than when broadcast sowing is made use of. Forget-Me-Nots and Daisies should also be sown at once. All of these ought to be well established before cold weather sets in, in order to over Winter them in good shape. In the perennial line it is getting rather late now for most varieties to be sown. However, Coreopsis, Gaillardias, Hollyhocks, and Sweet William, if sown at once will still produce fair stock by the end of October. In the greenhouse, Cinerarias and Calceolarias can be sown, also Grevillea robusta, that great vase plant, and Dracæna indivisa. If sown now, splendid stock for growing on will be on hand next Spring. You will want a good stock of Primula obconica for next Easter, there is nothing finer for made-up dishes; seeds sown now will make just the stock for that purpose. Don't overlook the fact that the largest flowering ones are not always the freest bloomers. Seed of Chinese Primulas can also be sown yet, for stock wanted for early Spring blooming. Some of the double flowering sorts, if well done, make most desirable pot plants. Like the Cinerarias and Calceolarias, grow them cool and give the plants plenty of room, a crowded condition hurts them. You want a short, stocky growth, everything depends on that. A well grown Primula is beautiful to look at, even when not in bloom.

Oswego, N. Y.

Business remains quiet but a good Fall trade is looked for as all the factories are running full time and new ones are being started. The drought has not been so severe as in some places and, as a consequence, outside stock has made a good growth. Asters are a little late but bear promise for fine flowers to come.

W. H. Workman and wife are taking a two weeks' needed rest and have gone to Terre Haute, Ind., to visit a brother, Mr. W. will stop at Rochester on his way back. His place is looking remarkably well; Carnations are still in the field and show a splendid lot of plants. The Asters are the finest I have seen this year, and he is cutting some remarkably fine flowers. The Chrysanthemums are far in advance of last year's and promise some grand blooms; his large blocks of Ferns and Primulas are remarkably good.

W. D. Stewart is repairing his benches preparatory to getting in his Fall stock. The large Carnation house is being cleaned up; he is cutting fine blooms from his old plants in the field. Why more florists do not follow his method I can't understand. In place of throwing the plants away that he has to take out to make room, he cuts them back and plants them outside and, before his inside ones are gone he is able to begin cutting from his outside stock, and can get 50 and 75 cents a dozen for them.

New Spencer Sweet Pea

Ethel Roosevelt



New Spencer Sweet Pea, Ethel Roosevelt—*Natural size from a photograph*

Ethel Roosevelt is undoubtedly the most meritorious of all the striped, flaked or mottled *Spencer* varieties now in cultivation. The vines are thrifty and the blooms come invariably in threes, and four to a stem in a well-grown piece are not hard to find. The individual flowers are of the largest size and most exquisite form. In color the flowers are of a combination difficult to describe. The ground color is an indescribable shade of cream white; the flakings and mottlings of rich delicate pink are such as to try the patience of the most experienced artist, if an attempt be made to copy in either oil or water colors. In this new *Spencer Sweet Pea* we have really the ideal for form and know that all who are interested in Sweet Peas must realize that beauty is not to be found only in the solid or self colors. There is among Sweet Pea enthusiasts a rather natural prejudice against striped, flaked or mottled varieties, but the color combination of *Ethel Roosevelt* is bound to attract attention wherever grown.

THREE OTHER SUPERB SPENCER SWEET PEAS

W. T. Hutchins. This is a fine, bold, true Spencer of most perfect form and coloring. The buds show a decided buff color. The fully expanded flower has the appearance of light apricot (distinctly lemon at the throat), overlaid with a beautiful blush pink. As the season advances the blush pink shading becomes rather more pronounced.

The vigorous vines flower most freely, the stems are long and carry well three or four fine flowers. Both standard and wings are wavy, ruffled and crinkled, of the most advanced Spencer type. The flowers are of the largest size, the standard measures two inches across by one and five-eighths inches deep.



Spencer Sweet Pea, Marie Corelli

Marie Corelli. The large flowers are brilliant rose-carmine or red and *uniformly of true Spencer form.* The wings are a pure rich rose-crimson, while the standard shows a tint of cherry-red. The whole effect is that of a brilliant crimson,—clear, distinct and most beautiful. The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping.

The long strong stems usually bear four flowers each. The plant is of strong growth and very free flowering. MARIE CORELLI is a variety that belongs in all first dozen sets and will become one of our standard shades in Spencers.

Senator Spencer. Although this variety belongs in the darker-colored class, the lighter background gives a mass of the blooms a sort of heliotrope effect which is most attractive. The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope. It presents a beautiful combination of tints and shows up wonderfully well under close inspection, as the dainty detailed markings are most attractive. Is of *the true Spencer form*—wavy edges on both standard and wings,—large, round, fluffy standard, long drooping wings. Both standard and wings are marked with the same colors and in the same way, with a trifle more of the wine shading in the wings. The stems are long and there are usually four good, large, finely formed flowers on each stem. *Senator* is the best dark-striped variety.

All the above three have proven satisfactory wherever grown.

For prices on the *Four Superb Spencers* described above write for special circular (ready in September) which will give also other illustrations, electrotypes of which will be supplied the trade at nominal prices.

We are *Headquarters in America for Sweet Peas* and have produced this year superb true to name and type, stocks of all the best Spencer and Grandiflora varieties and shall be pleased to quote prices.

W. ATLEE BURPEE & CO., Philadelphia, Pa.



We Take the Lead

IN WHAT?

WHAT FOOLISH TALK!

In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest importers, growers and shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ no Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is our drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-6½-6-7 in. pots, 2-3-4-6 year old, 3-4-5-6 tiers, 12-15-18-20-26-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.

Robusta Compacta and Excelsa Glauca, 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-5-6 year old, 4-6-7 in. pots, 25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

KENTIA Belmoreana, 4-5-6 year old, 4-5½-6-7 in. pots, 25-30-35-40 in. high, 25c.-50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

SAGO PALMS (Cycas Revoluta), long-leaved variety, 6-7-8 in. pots, from 6 to 20 leaves to a plant, 10c. per leaf.

COCOS Weddelliana, 3 in. pots, 15c., 20c., and 25c. each.

FERNS for Dishes, good assortment, 2-in. pots, $2.00 per 100.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4-in., 20c. to 25c.; **Scholzeli,** 5½ to 6-in. pots, 35c.-40c.-50c.; **Scottii** and **Whitmani,** 5½ to 6-in., 35c.-40c.-50c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c. Our well known strain, **SOLANUM MULTIFLORA (Jernsalem Cherries)** always full of large berries, 2½-in. pots, $6.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-6½ in., in bloom, 15c.

PRIMULA Chinensis, 4 in., John F. Rupp strain, 10c.; $10.00 per 100.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and **Sunset,** $8.00 per 100. **Bride, Bridesmaid, Carnot, Golden Gate** and **Kaiserin,** $6.00 per 100.

GRAFTED, Fine Stock

White Killarney, 3½-in. pots, $20.00 per 100. **Pink Killarney,** 3-in. pots, $18.00 per 100. **Bride, Bridesmaid, Golden Gate, Kaiserin, Carnot** from 3½-in. pots, $17.00 per 100.

Enchanter, Mrs. Jardin, Rhea Reid, Wootton, from 3-in. pots, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2¼ and 2½ in. pots.

J. W. Childs, Mme. J. Rosette, Pacific Supreme, W. R. Bock, Yellow Eaton, $4.00 per 100; $35.00 per 1000.

Autumn Glory, Ada Spaulding, Collingfordii, Dorothy Devens, Geo. Kalb, Harry May, J. H. Troy, Mooeymaker, Mlle. A. Laurent, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, The Harriott, Timothy Eaton, Wm. Duckham, Mrs. James Marshall, H. W. Reiman, fine stock, $3.00 per 100; $25.00 per 1000. **Also an Assortment of other good Commercial Varieties,** at $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS

ASPARAGUS

	Per 100
Plumosus nanus, from 3-in. pots	$6.00
Plumosus nanus, from 2¼-in. pots	4.00
Sprengeri, from 2¼-in. pots	4.00

STEVIA COMPACTA

From 2¼-in. pots	3.00

POINSETTIAS

	Per 100
Fine stock, from 3-in. pots	$8.00
Fine stock, from 2½-in. pots	6.00

VIOLETS

Marie Louise, from 2¼-in. pots $25.00 per 1000	3.00
Prince of Wales, from 2½-in. pots.	4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

HEADQUARTERS FOR

AQUARIUM PLANTS

THE YEAR ROUND

SCHMID'S BIRD STORE, 712 12th Street, N. W., WASHINGTON, D. C.

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Con.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

National and Trade Organizations

To our subscribers the compilation which follows will often be found of service. Omissions and errors there may be, due to not receiving replies to inquiries. If any inaccuracies are noted we shall be pleased to be informed.

National Societies

American Association of Nurserymen.—President, W. P. Stark, Lonisiana, Mo.; Vice-President, E. S. Welch, Shenandoah, Ia.; Secretary, Jno. Hall, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.

American Ass'n of Park Superintendents. President, John W. Duncan, Spokane, Washington; Secretary and Treasurer, F. L. Mulford, 75 N. 16th st., Harrisburg, Pa.

American Ass'n of R. R. Gardeners.—President, Geo. B. Moulder, Chief Gardener Ill. Central R. R.; Vice-president, Patrick Foy, Chief Gardener Norfolk & Western R. R.; Secretary and Treasurer, J. S. Butterfield, Mo. Pacific System.

American Carnation Society.—President, Fred Burki, Gibsonia, Pa.; Vice-President, Allan Peirce, Waltham, Mass.; Secretary, A. F. J. Baur, Indianapolis, Ind.; Treasurer, Fred Dorner, Jr., LaFayette, Ind.

American Gladiolus Society.—President, I. S. Hendrickson, Floral Park, N. Y.; Vice-President, E. H. Cushman, Sylvania, O.; Corresponding Secretary, L. Merton Gage, Orange, Conn.; Financial, H. Youell, Syracuse, N. Y.; Treasurer, Maurice Fuld, Boston, Mass.

American Peony Society.—President, B. H. Farr; Vice-president, C. J. Maloy; Secretary, A. H. Fewkes; Treasurer, J. H. Humphreys.

American Pomological Society.—President, L. A. Goodman, Kansas City, Mo.; Vice-president, T. V. Munson, Denison, Tex.; Secretary, John Craig, Ithaca, N. Y.; Treasurer, L. R. Taft, Agricultural College, Mich. Meetings are held once in two years.

American Rose Society.—President, Wm. H. Elliott, Brighton, Mass.; Vice-president, Adolph Farenwald, Hillside, Pa.; Treasurer, H. O. May, Summit, N. J.; Secretary, Benj. Hammond, Fishkill, N. Y.

American Seed Trade Association.—President, E. L. Page, Greene, N. Y.; First Vice-President, Leonard Vaughan, Chicago, Ill.; Second Vice-President, M. H. Duryea, New York, N. Y.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Asst. Secretary, Leonard H. Vaughan, Chicago, Ill.

Am. Society of Landscape Architects.—President, Charles N. Lowrie, New York; Vice-President, Warren H. Manning, Boston; Treasurer, H. A. Caparn, New York; Secretary, Charles D. Lay, New York. Annual elections in January.

Canadian Horticultural Association.—President, H. E. Philpott, Winnipeg, Man.; First Vice-President, J. Conners, Hamilton, Ont.; Second Vice-President, R. L. Dunn, St. Catherines, Ont.; Treasurer, H. Simmers, Toronto, Ont.; Secretary, Wm. E. Hall, Montreal.

Chrysanthemum Society of America.—President, Elmer D. Smith, Adrian, Mich.; Vice-president, Eugene Dailledouze, Flatbush, N. Y.; Treasurer, John N. May, Summit, N. J.; Secretary, C. W. Johnson, Morgan Park, Ill.

Greenhouse Vegetable Growers and Market Gardeners' Association.—President, C. W. Wald, New Carlisle, O.; Vice-president, Franklin de Kleine, Grand Rapids, Mich.; Secretary, S. W. Severance, Louisville, Ky.; Treasurer, M. L. Ruetenik, Cleveland, O.

Ladies Society of American Florists.—President, Miss Matilda Meinhardt, St. Louis, Mo.; First Vice-President, Mrs. John V. Phillips, Brooklyn, N. Y.; Second Vice-President, Miss Margaret Vesey, Fort Wayne, Ind.; Secretary, Mrs. Chas. H. Maynard, Detroit, Mich.; Treasurer, Mrs. Albert M. Herr, Lancaster, Pa.

National Association of Gardeners.—President, Wm. Kleinheinz, Ogontz, Pa.; First Vice-president, James Bell, Garrison, N. Y.; second Vice-president, A. J. Smith, Lake Geneva, Wis.; Secretary, W. E. Maynard, Arlington, N. J.; Treasurer, Chas. Dumper, Bay Shore, L. I., N. Y.

National Nut Growers' Association.—President, J. B. Wight, Cairo, Ga.; First Vice-president, J. B. Curtis, Orange Heights, Fla.; second Vice-president, H. C. White, De Witt, Ga.; Secretary, J. F. Wilson, Poulan, Ga.; Treasurer, M. B. McNeely, Little Rock, Ark.

(Continued on page 234)

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MARIE LOUISE and **FARQUHAR VIOLET PLANTS,** strong and free from disease, 3 in. pots, $3.00 per 100; 4 in., $4.00 per 100.

Field-grown, ready September 1st, $5.00 per 100.

Satisfaction guaranteed. Cash with order.

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Seasonable Plants

	Per 100
CINERARIA Hybrida Grandiflora, Michell's Giant Prize strain, 2 in.	$2.00
CINERARIA Stellata, 2 in.	2.00
PRIMULA Chinensis, Kewensis and Obconica, 3 varieties, 2 in.	2.00
ASPARAGUS Sprengeri, 2 in., strong	2.00
CYPERUS Alternifolius, Umbrella Plant, 3 in.	3.00

Cash with order, please.

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ASPARAGUS Sprengeri, 2¼ in., $2.00 per 100.

FERNS, Boston, Piersoni, Whitmani, 4-5-6-8-10-12 in. pots, 15c., 20c., 50c., 75c., $1.00 and $2.00 each.

BEGONIA Vernon, R. P. and White, 4 in., $6.00 per 100.

CELERY PLANTS, Golden Heart and Self-Blanching, 25c. per 100, $1.00 per 1000.

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SEASONABLE PLANTS

DRACAENA Indivisa, 4-in. 10c., 8-in. 5c., 6-in. 20c.

CANNAS, 3-in., Egandale, Harum and Marlborough, 3c.

SALVIA, 3-in. 3c., 4-in. 5c.

VINCAS, 4-in. 8c., 6-in. 12c.

ENGLISH IVY, R. C., Green or Variegated, 75c. per 100.

ASPARAGUS Sprengeri, 2-in., $1.75 per 100.

SMALL MIXED FERNS, 2-in. 2c.

J. H. DANN & SON

Westfield, N. Y.

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Henderson's Superior Bulbs for Autumn Planting

Hyacinths

Tulips

Narcissus

Lilies



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Freesias

Lily of the Valley

Spireas, Etc.

THE LARGEST ASSORTMENT OF VARIETIES AND THE BEST BULBS IMPORTED INTO AMERICA

OUR WHOLESALE CATALOG OF BULBS WILL BE MAILED TO FLORISTS ON APPLICATION

Henderson's Bermuda Easter Lily Bulbs—Lilium Harrisii

NOW READY FOR SHIPMENT

FIRST SIZE BULBS. (5 to 7 inches in circumference.) 400 bulbs in a case.
Per doz. 60c., per 100 $4.50, per 1000 $40.00.

INTERMEDIATE SIZE. (6 to 7 inches in circumference.) 350 bulbs in a case.
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EXTRA SIZE BULBS. (7 to 9 inches in circumference.) 200 bulbs in a case.
Per doz. $1.25, per 100 $9.00, per 1000 $85.00.

Peter Henderson & Co., 35 & 37 Cortlandt Street NEW YORK

SEE IT AT ROCHESTER

"CHRISTMAS CHEER"

A POT AND CUTFLOWER CARNATION. ABSOLUTELY UNIQUE.

COLOR: Brilliant, Glowing, Poinsettia Scarlet.

EASY TO GROW! EASY TO SELL!

Will produce 100 and more flowers in one season; can be had at Christmas in a 6 inch pot, with 25 to 50 blooms and buds, retailing easily at $1.50 each.

I will cheerfully refund your money if not satisfied.

Delivery, January 1st, 1911, and after.

$15.00 per 100, $125.00 per 1000.

Place your order now and get your stock early.

H. EICHHOLZ, Florist, WAYNESBORO, PA.

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FIELD-GROWN
Dorothy Gordon Carnation Plants

Strong, Clean, Stocky Plants

NOW READY

$12.00 per 100, $100.00 per 1000.

STOCK LIMITED. SPEAK QUICK IF YOU WANT ANY

JOSEPH HEACOCK CO., Wyncote, Pa.

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Field-Grown Carnations
FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Apple Blossom	6.00	60.00
Mrs. C. W. Ward	12.00	
Bon Ami	12.00	
Snow Flake	$6.00	$50.00
White Perfection	7.00	60.00
O. P. Bassett	6.00	50.00
Wanoka	6.00	60.00
Ruby	6.00	50.00

We are now booking orders. Strong, healthy plants for immediate shipment, or will reserve until you are ready.

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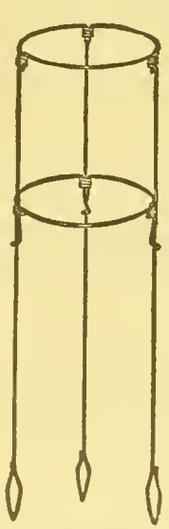
Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

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ROOTED CUTTINGS
In Season

WILLIAM SWAYNE, Kennet Sq., Pa.
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Carnation Plants

Clean, healthy, field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$50.00
Rose Pink Enchantress	6 00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60 00
Bountiful	6 00	60.00
Boston Market	5.00	50.50
White Lawson	5 00	50.00
Lawson	5.00	50.00
Beacon	6.00	50.00
Victory	6.00	60 00
Harlowarden	5 00	50 00
Winsor	6.00	60.00
Yellow Beauty	6 00	60.00
M. A. Patten	6.00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.

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SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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Field-Grown Carnation Plants

	Per 100		Per 100
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M. A. Patten	5.00	Winsor	5.00
		Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

National Organizations

(*Continued from page 232*)

National Sweet Pea Society of America. President, W. Atlee Burpee, Philadelphia; Vice-president, Wm. Sim, Cliftondale, Mass.; Secretary, H. A. Bunyard-New York; Treasurer, Arthur T. Boddington, New York.

Society of American Florists' and Ornamental Horticulturists.— President, F. R. Pierson, Tarrytown, N. Y.; Vice-president, F. W. Vick, Rochester, N. Y.; Secretary, H. B. Dorner, Urbana, Ill.; Treasurer, Wm. F. Kasting.

Wholesale Grass Seed Dealers' Association.— President, Albert McCullough, Cincinnati; Vice-President, Chas. Boyles, Chicago; Secretary-Treasurer, J. L. Peppard.

Florists' Clubs

Albany Florists' Club.— President, F. Goldring; Vice-president, John Sambrook; Secretary, L. Menand; Treasurer, F. A. Danker. Meets first Thursday of each month at 75 State st., Albany, N. Y. Annual election of officers first Thursday in November.

Buffalo Florists' Club.— President, Joseph Striet; Vice-President, Otto Gilles; Financial Secretary, Jerome Deutcher; Secretary, Wm. Legg. Meets first Tuesday of each month at Wm. F. Kasting Hall. Annual election of officers in March.

Chicago Florists' Club.— President, Geo. Asmus; Vice-president, H. E. Philpott; Secretary, L. H. Winterson; Treasurer, E. F. Winterson; Trustees, John P. Degnan, Alexander Henderson, H. N. Bruns. Meets first Thursday of each month at 111 East Randolph st. Annual election of officers in January.

Cincinnati Florists' Club.— President, J. A. Peterson; Vice-president, C. E. Critchell; Secretary, Albert Sunderbruch; Treasurer, D. Rusconi. Meets second Monday of each month at Jabez Elliott Flower Market. Annual election of officers in June.

Cleveland Florists' Club.— President, Chas. J. Schmidt; Secretary, Isaac Kennedy; Treasurer, Herman Hart. Meets second and fourth Mondays of each month at Probeck Hall. Annual election of officers in December.

Columbus Florists' Club.— President, R. A. Currie; Vice-president, C. P. Torrey; Secretary, James McKellar; Treasurer, O. A. Munk; Trustees, S. Stephans, Geo. Bauman, I. D. Seibert, Wm. Metzmaier, C. D. Battelle. Annual election of officers in October.

Commercial Florists' Association of Rochester.— President, F. W. Vick; Vice-president, E. P. Wilson; Secretary, H. B. Stringer; Treasurer, W. L. Keller. Meets second Monday of each month at Room 416, Cutler Building. Annual election of officers in January.

Dayton Florists' Club.— President, H. H. Ritter; Vice-president, John Boehner; Secretary, Horace M. Frank; Treasurer, Geo. W. Bartholomew. Meets first Monday of each month at 37 East Fifth st. Annual election of officers in March.

Detroit Florists' Club.— President, Chas. Plumb; Vice-president, George E. Browne; Secretary, Hugo Schroeter; Treasurer, Robert Rahaley. Meets first and third Mondays of each month in the Cowie Building,, 42-46 Gratiot ave. Annual election of officers in August.

Fall River Florists' Association.— President, C. Warburton; Vice-President, Edward Lawton; Secretary, Jno. R. Pee; Treasurer, John Cross.

F. and G. Club of Rhode Island.— President, Robert Johnston; Vice-president, Eugene Appleton; Secretary, Wm. E. Chappell; Treasurer, Wm. Hill. Meets third Monday of each month at 96 Westminster st. Annual election of officers in November.

G. and F. Club of Baltimore.— President, Geo. Morrison; Vice-president, Wm. Cristie; Secretary, N. F. Flitton; Financial Secretary, Geo. Talbott; Treasurer, F. G. Burger. Meets second and fourth Mondays of each month at Florists' Exchange Hall, Franklin and St. Paul sts. Annual election of officers second Monday in March.

CHOICE
CARNATION PLANTS
FIELD-GROWN
VARIETIES CHIEFLY
WINSOR, WHITE and PINK ENCHANTRESS
Prices on application
We invite inspection of above fine stock

JOHN JONES
CONVENT, NEW JERSEY

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		100
2000	Afterglow	$4.00
2000	Rose Enchantress	4.00
500	Patten	4.00

QUIDNICK GREENHOUSES, J. H. Cushing Prop.
QUIDNICK (Anthony P. O.) R. I.

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CARNATION PLANTS

Field Grown.

Fair Maid, Winsor, Seasation, Queen Louise, first-class plants, ready any time. $5.00 per 100, $40.00 per 1000.

Cash with order, please.

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Fine, bushy, field-grown plants, absolutely free from neck rot

WINSOR, WELCOME, BEACON, LADY BOUNTIFUL, WHITE LAWSON and HARRY FENN.

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5000, Large, Fine, Field-grown, **LORD** stock, $40 00 per 1000.

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Field-Grown Carnation Plants

STRONG AND HEALTHY

Enchantress and Lawson $5.00 per 100. Cash with order.

W. Pinchbeck, Ridgefield, Conn.

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Ten Thousand FINEST BENCH FERNS

Strong, Clean, Healthy No. 1 Stock.

Scholzeli, from 4-5 inch, 20 cents; 5-6 inch, 25 cents; extra large, 30 cents. **Scottii**, 3-4 inch, 8 cents; 4-5 inch, 12 cents; 5-6 inch, 15 cents.

Bostons, 4-5 inch, 12 cents; 5 inch, 15 cents; 5-6 inch, 20 cents; extra large, 25 cents.

Whitmani, 4-5 inch, 12 cents; 6-7 inch specimens, 25 cents. **ASPARAGUS Sprengeri**, heavy 2 inch, $3.00 per 100; $25.00 per 1000.

GOV. HERRICK VIOLETS, fine plants, $2.50 per 100.

Cash. Satisfaction guaranteed.

WILLIAM S. HERZOG, MORRIS PLAINS, N. J.

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FERNS
MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $8.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Cibotium Schiedel, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 6-in., $1.00, and 8-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

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Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.

ASPARAGUS Plumosus, all sold; new stock ready by September 1.

Only 5000 KENTIA Belmoreana in 2¼-in. pots left.

Also a large stock of BOSTON FERNS, from bench, for 5, 6, 7 in. pots, ready September 1.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE, JERSEY CITY, N. J.

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WHITMANI FERNS

2½-in., $5.00 per 100, $40.00 per 1000—250 at 1000 rates; from bench, 5 and 6-in., at 25 cts. each.

Nephrolepis Magnifica, 2½-in., $15.00 per 100.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

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Geraniums

3-in. stock, in bloom, nice bushy plants, not long, Ricard, Poitevine, Nutt, $2.50 per 100, $20.00 per 1000; 2-in. strong, Nutt, Ricard, Buchner, $12.50 per 1000, $1.50 per 100. 5000 Transplanted Cuttings of S. A. Nutt, fine strong plants, at $12.00 per 1000, $1.50 per 100, the lot of 5000 for $50.00. COLEUS, Verschaffeltii, Golden Bedder and Victoria, 2-in., $1.50 per 100, $14.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000. Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

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FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $8.00 per 100.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.

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SCOTTII and WHITMANI FERNS

6-in., 40c. and 50c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

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Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: **Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.**

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

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GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Presstilly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decoratur and Mrs. Lawrence.

B. E. WADSWORTH, Box 224, Danville, Ill.

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COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.

AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100 GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

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Surplus Stock

We have been offered for disposal by one of our customers the following stock of which he has a surplus, (and we offer same subject to being unsold).

200 **AMERICAN BEAUTY ROSES**, on own roots, 4 inch pots, exceptionally fine stock, clean and healthy, at $12 per 100.

100 **GARDENIAS**, 3 inch pots, at $10 per 100.

100 **GARDENIAS**, 4 inch pots, at $15 per 100.

WEEBER & DON
114 CHAMBERS STREET, NEW YORK CITY

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Florists' Clubs

(Continued)

Gardeners and Florists' Club of Boston. President, John W. Duncan; Vice-president, Peter M. Miller; Secretary, Wm. N. Craig; Treasurer, Edward Hatch. Meets third Tuesday of each month at Horticultural Hall. Annual election of officers in December.

Los Angeles Florists' Club.— President, Otto Heutschy; Vice-President, James McGillivray; Secretary, Angus McLeod; Treasurer, Wm. Niel Campbell. Meets first and third Friday of each month in the Board of Trade Rooms. Annual election of officers in January.

Minnesota State Florists' Association.— President, Theo. Wirth; Vice-president, Aug. S. Swanson; Secretary, J. P. Jorgenson; Treasurer, E. Nagel. Meets third Tuesday of each month at 510 Snelling ave., St. Paul. Annual election of officers in September.

New York Florists' Club.— President, Abraham L. Miller; Vice-president, Joseph A. Manda; Secretary, John Young; Treasurer, W. C. Rickards, Jr. Meets second Monday of each month in the Grand Opera House bldg., 23d st. and Eighth ave. Annual election of officers in December.

Northern Indiana Florists' Association.— President, W. W. Dederick; Vice-president, Harry White; Secretary and Treasurer, A. J. Wagoner.

Pacific Coast Horticultural Society.— President, P. Matraia; Vice-President, J. R. Atkinson; Secretary, T. F. Taylor; Treasurer, D. McLaren. Meets first Saturday of each month in Polita Hall, 16th st., near Dolores st., Annual election of officers in January.

Pasadena Gardeners' Association.— President, Otto Heutschey; Vice-president, James McGillivray; Secretary, Angus McLeod; Assistant Secretary, G. W. Johnson; Treasurer, Wm. Hutchison. Meets first and third Fridays of each month. Annual election of officers in January.

Philadelphia Florists' Club.— President, Jos. Heacock; Vice-president, Alfred Burton; Secretary, David Rust; Treasurer, Geo. Craig. Meets first Tuesday of each month in Horticultural Hall. Annual election of officers in December.

Pittsburg Florists and Gardeners' Club. President, F. Burki; Vice-president, P. S. Randolph; Secretary, H. P. Joslin; Treasurer, H. L. Blind; Executive Committee, E. C. Reineman, J. Wyland, J. Bader. Meets first Tuesday of each month at the Fort Pitt Hotel. Annual election of officers in February.

St. Louis Florists' Club.— President, Geo. B. Windler; Vice-president, John Connon; Secretary, J. J. Beneke; Treasurer, Wm. C. Smith; Trustees, A. J. Bentzen, H. C. Ostertag, Chas. E. Schoenle. Meets second Thursday of each month at Hall No. 2, Odd Fellows' Building. Annual election of officers in August.

Scranton Florists' Club.— President, D. W. Evans; Vice-president, B. E. Cokely; Secretary, T. B. McClintock; Treasurer, Wm. McDonald. Meets first Friday of each month in Raub's Hall. Annual election of officers in October.

State Florists' Association of Illinois.— President, C. L. Washburn; Vice-President, Chas. Loveridge; Secretary, J. F. Ammann; Treasurer, Frank L. Washburn.

State Florists' Association of Indiana.— President, J. S. Stuart; Vice-president, Herman Junge; Secretary, A. F. J. Baur; Treasurer, Homer Wiegand. Meets first Tuesday of each month in State House. Annual election of officers in January.

Utica Florists' Club.— President, F. J. Baker; Vice-president, Seward Hakes; Secretary, J. C. Spencer; Treasurer, C. F. Seitzer. Meets first Thursday of each month in Genesee Hall, Oneida Square. Annual election of officers in May.

Washington Florists' Club.— President, Jno. Robertson; Vice-president, E. C. Mayberry; Secretary, O. A. C. Oehmler; Treasurer, Wm. F. Gude. Meets first Tuesday of each month, usually at Gude's Hall, 1214 F st., N. W. Annual election of officers in March.

Social Horticulture

Cultivating friendship.
Weeding out acquaintances.
Sowing wild oats.
Raking the servants over the coals.
Looking after one's stocks.
Planting one's foot down on extravagance.
Harrowing people with one's ill temper.
Digging up the coin.—*Boston Transcript.*

SEASONABLE PLANTS

CHINESE PRIMULAS, in Mixed or Separate Colors, 2 inch, $2.00 per 100; 2½ inch, $3.00 per 100.

PRIMULA OBCONICA, Kermesina, Rosea, Alba or Mixed, 2 inch, $2.00 per 100; 2½ inch, $3.00 per 100.

CYCLAMEN, 2½ inch, $5.00 per 100.

CINERARIAS, Dreer's Prize Dwarf, 2 inch, $2.00 per 100.

DRACAENA Indivisa, 4 inch, $10.00 per 100; 2 inch, $2.00 per 100, $18.00 per 1000.

ASPARAGUS Plumosus, 2½ inch, $3.00 per 100.

ASPARAGUS Sprengeri, 2 inch, $1.50 per 100; 2½ inch, $2.50 per 100; 3 inch, extra strong, $4.00 per 100.

WETTLIN FLORAL CO.
Hornell, N. Y.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine KENTIAS

Send for Price List

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CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

Primula obconica grandiflora Ronsdorfer and Lattmans Hybrids, strong well grown plants from 2½ inch pots $3.00 per 100, $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

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POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

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PALMS, FERNS *and* Decorative Plants

JOHN SCOTT

Rutland Rd. & E. 45th St., **BROOKLYN, N. Y.**

Please mention the Exchange when writing.

Milwaukee

It has not been definitely decided as yet who are going to Rochester next week, but C. C. Pollworth, F. H. Holton, Nic Zweifel and August Mueller have decided to go and perhaps two or three others may join the party. They are going via the Lake Shore and Michigan Southern, with the Chicago delegation.

A new flower store has been opened up at the corner of Third st. and Grand ave., the most prominent corner in our city, under the style of the Flora Bon. Indications are that this concern will handle a large quantity of stock, owing to the favorable location they have. A. Van Engel, who will manage the store, has had considerable experience in other mercantile lines and is a hustler, and believes a great deal in printers' ink for success.

Jas. Chacona, who conducted a flower store on Wisconsin st. for a number of years, has sold out to Jos. P. Scherer. Mr. Scherer was a member of the board of public works in this city for a number of years and is well known, and he should make his new venture a success.

C. C. POLLWORTH.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
Cl. Jules Margottin
Frau Karl Druschki
Killarney
Gen. Jacqueminot
Gruss an Teplitz
Hermosa
La France
L. Van Houtte
Magna Charta
Mrs. J. Laing
Ulrich Brunner
Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

Please mention the Exchange when writing.

Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries
OUDENBOSCH, HOLLAND
Proprietors { U. J. HEERMA VAN VOSS, H. A. M. SWELLENGREBEL

Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ. Prince Bay, N. Y.

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PEONIES

Our Seventeenth Year. Prices Right.
Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

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GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

ROSE STOCK

3000 4-in. **American Beauty,** at 15c. each.
2000 each, **Brides, Bridesmaids, Richmond;** 1000 **Rhea Reid,** 300 **Ivory;** all own root, at 6c. each.

CHRYSANTHEMUMS

Our selection, good commercial varieties, at $3.00 per 100; $25.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

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NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

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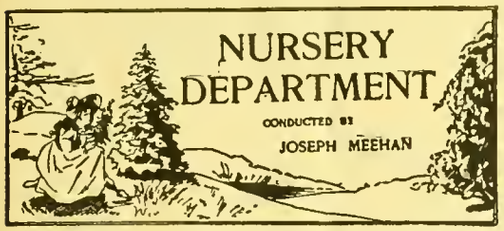
THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

The Improved Hibiscus

The beautiful hybrid Hibiscus, hybrids between the several native species, originating at the Meehan establishment, at Germantown, Philadelphia, through the work of Ernst Hemming, are a most valuable addition to the list of hardy, herbaceous plants. Nearly everyone journeying to the seashore through New Jersey has seen the one along the water courses and near the coast, which commences to show its handsome flowers in early August, some plants light pink, others white. This is the Hibiscus Moscheutos, one of those used in the hybridization, among others being coccineus, militaris, etc. The mixing together of these several species has given seedlings of uncommon beauty and great diversity of foliage. Crimson, pink, rose, white, red and intermediate shades resulted, and some with exceedingly large flowers. The scarlet one, being a southern species, its mingling with the northern ones, such as Moscheutos, for instance, has imparted a hardier character to those it has been blended with, enabling now the growing of the scarlet flowered as well as its other hybrids much farther north than it was possible to grow the original scarlet, coccineus. This in itself is a great horticultural triumph.

The original half dozen or less of species have now, through the efforts of Mr. Hemming, given perhaps 50, maybe more, of distinct kinds of these beauties, which in bloom are indeed a sight. It is not alone in the flowers the several changes show, the foliage is of the most varied character, showing clearly in the first hybrids what particular species were represented in the mixture, a matter of great interest to hybridizers.

In appearance, all these Hibiscus are more like shrubs than herbaceous perennials. They grow from four to six feet high, and can well be planted where shrubs are. The flowering habit of these plants is to send up shoots from the ground late in Spring. These grow without branching, but can be made to branch by pinching the tops off when about two feet high. At the summit of the growth a cluster of buds form and, beginning in the last days of July, in Philadelphia, a flower, sometimes two, opens every day, lasting in an open state but one day; but as a good cluster contains over two dozen buds, there is a display for about a month, more or less. As the flowers close at the end of a day, but do not fall at once, their color helps along the effect of those that are open. Then it must be known that as years go on and the strength of the plants increases there are a half dozen or more shoots from the base in place of the original one and, usually, every shoot is flowering at the same time. As an illustration, the writer has in sight as he writes a lovely pink colored one, having several shoots to it; it commenced blooming three days ago; the first day it had four flowers, the second day six, today seven, and, as said, there will not be a day for a month that it will not have some open.



Meehan's Mallow Marvels

A Shrub for Steep Banks

A very common demand made on planters is for shrubs which, besides being of an ornamental character, will assist in retaining the soil on steep banks, preventing its washing away in rain storms and floods from melting snows. There may be others as good, but there can be none better than the varieties of Snowberry, Symphoricarpos. The two best known varieties of these are the S. vulgaris, with red berries, and the S. racemosus, with white ones. They are among the very best of shrubs to form underground stolons from which arise shoots, so that in a very short time one bush becomes the parent of hundreds. In the course of time plants set some feet apart have increased so much that one can hardly make a passage between them, the ground at the same time being so full of underground stems and roots that washings away of a bank where they are cannot occur. These two shrubs have an advantage over some other soil binding plants, in this, that growing to a height of three or four feet if a washout commences it cannot overwhelm the tops and get away over them. There is a creeping plant, called Moneywort, Lysimachia nummularia, which spreads in all directions from both shoots above and under ground, yet as its above ground shoots rise only a few inches and are comparatively weak a heavy storm soon fills soil up over their tops and away goes the bank. No better little plant can be set on a bank almost level, or in connection with other kinds of plants on steep ones, but let no one plant it where it may be desired to get rid of it later on, for to do this it would require every bit of root to be dug out, being almost as tenacious of life as the common Bindweed, Convolvulus arvensis, another plant for the purpose and well named Bindweed.

Coming back to the subject of the Symphoricarpos, the variety vulgaris is the one having red berries; racemosus has white ones. The red berried one is the best one to spread, but as the berries of both are exceedingly attractive in late Summer, and into early Winter, both should be used in planting. The white berried one represents the Snowberry name, the red one is generally called Red Snowberry. The berries of the white one are as large as good sized marbles, but are not as clustered on the stems as are those of the red, and heavy freezings affect them before they do the other.

The Australian Pine Tree

There are a great number of species of Casuarina, an Australian tree, which have proved of great use and beauty in Florida, where the tree is called Australian Pine Tree, Beefwood tree and some other names. C. equisetifolia, torulosa, stricta and other species are well known. Many of those living in parts of Florida are enthusiastic over the merits of this tree as a fast grower and a shade tree, and until they give thought to it are surprised that what does so well with them is not better known. They forget how limited is the territory in which this Australian tree, or any Australian tree will thrive. It is the story of the Eucalyptus over again. No one disputes its great value, but thriving only in frostless regions prohibits its consideration by the forester, excepting in portions of two or three of our States.

The Casuarinas have foliage much like that of the common Equisetum, or Horse-tail, as it is commonly called; one of them is so much like it as to have the specific name of equisetifolia. It is not stated that the Casuarina has any value as a forest tree, but it may have; it is its quick, Lombardy Poplar-like growth that commends it. In outline it is rather more spreading than the Lombardy.

Our acquaintance with it North is only as one sees it in conservatories, so our Southern readers will understand why it is not better known among us.

Kieffer Pear Stocks

Our nurserymen find inquiries coming to them from Australia for Kieffer Pear stocks. Whether this means that the folks there have found the stocks desirable, or whether it is but an experiment, time will tell. It was thought at one time that this Pear would prove a good stock for our own nurserymen to use in their business, but trials proved that the working of the ordinary run of Pears on it was not a success. The growth of such Pears was excellent for a year or two, after which the trees dwindled away proving the stock unsuitable. It can be used for budding on of the Kieffer itself, or the Le Conte, it is presumed, but it cannot carry along the run of old style Pears. If the Kieffer seedlings make good stocks for such Pears in Australia it will be interesting news.

The Pear itself, the Kieffer, is in much demand in the canning districts of New Jersey, Delaware and nearby States. Last year the crop was short, so but little canning was done. This season trees are well loaded with fruit, which will encourage the further planting of orchards of this tree. It is a blessing to many a poor farmer in the places named that the Kieffer Pear tree is not liked by the San José scale, saving the expense of spraying. Further than this, the tree will flourish in the sandy soil of southern New Jersey and portions of other States where the soil is light, and where ordinary kinds do not thrive.

Hardiness of Cerasus Caroliniana

So much had come to the writer's attention concerning the merits of the native evergreen Cerasus (Prunus) Caroliniana, that he obtained a small plant of it from a friend in southern Kansas, who spoke of it as being a favorite evergreen with planters there. The little seedling was grown in a pot from Spring until September, and then set out on the south side of a dwelling. It got some roothold before cold weather came, but it was no more than a foot in height, and slim at that. As is usual when plants of doubtful hardiness are being tested, it had a wide board placed before it, one end resting on the wall. This was to keep the direct rays of the sun from it in Winter, while permitting the air free passage under it—a great help to any evergreen in Winter. Well! the little plant came through the cold weather without the slightest hurt. It started to grow as soon as Spring opened and is now two feet high and getting bushy. From the manner in which it wintered with the help of the board shield, it seems more than probable that with age and vigor it would stand the Winter without the aid of shade from the sun, and in time it will be tried in that way.

Southern nurserymen say of this evergreen that it is a popular hedge plant in that part of the country, standing pruning well, and whether as a hedge or as a single specimen it is always of pleasing appearance, which can readily be believed, its foliage being of a beautiful green. The Kansas party, from whom the plant referred to came, says there are two kinds in the South.

Increasing the Osmanthus

In the milder portions of the middle States the Osmanthus Aquifolium thrives so well and has such handsome foliage that it is a general favorite with those who desire to have nice, broad leaved evergreens. It is not generally known that this shrub, with the common Lilac and the Privet, are all members of the natural order Oleaceæ. It is because of this relationship that the Lilac is so often increased by budding it on the Privet, on which stock it unites quickly, and is soon of a good salable size. In the same way the Osmanthus may be increased by using the Privet as a stock. The writer had some grafted in this way last Winter and, though not a great success, enough grew to show that it was a practicable way to increase it. Stocks of the California Privet were used, as answering the purpose very well here, but in colder climates the Ibota or other hardier sorts than the Californian could be used.

It is not an every day sight to see the Osmanthus in flower, but last Summer, late in the season, several plants of it flowered in this neighborhood. The flowers are white, and very fragrant; and this treat added to the estimation in which this flowering evergreen is held. Besides the O. Aquifolium another one, ilicifolius, is often listed in collections. But this is not a species, only a variety of the other, having smaller leaves than it, a very neat kind.

To have the most satisfaction from the Osmanthus it should be planted in connection with other evergreens, so close together that one protects the other from cold winds in Winter.

600,000 California Privet

One, Two and Three Years Old

Owing to moving my Nurseries, I will offer to the Trade 600,000 California Privet for this Fall's shipment at the following low prices:—

1 Small Car of 25,000 California Privet, 10 to 18 inches, $150.00
1 Large " " 25,000 " " 18 to 24 " 200.00

Or as follows:

	Per 1,000	Per 10,000	Per 20,000
4 to 5 ft. Extra Heavy, 3 years old...	$40 00	$300.00	$550.00
3 to 4 ft. Fine and Heavy, 3 years old,	30.00	250.00	450.00
2½ to 3 ft. Extra Heavy, 2 years old..	20.00	175.00	325.00
1½ to 2 ft. Well Branched, 2 years old,	15.00	125.00	210.00
1 to 1½ ft. Light, 2 years old	10.00	85.00	165.00
10 to 18 in., 1 year old.....	8.00	70.00	135.00

I invite you to see them.

If you would like references as to my stock, I can give you the largest and smallest of No. 1 Nurserymen who have handled my Privet.

I do not intend to give up the growing of Privet; only on account of moving my Nurseries, will give this opportunity to you. I will be in shape to serve all my customers by Fall of 1911 again.

CARLMAN RIBSAM
31 Wall Street TRENTON, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET IS MY SPECIALTY

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $2.00 per 100, $26.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man
HILLSIDE NURSERIES
ATLANTIC HIGHLANDS, N. J.
Long Distance Telephone
60J, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

Rose Plants

1200 BRIDES, at $40.00 per 1000.

1500 BRIDESMAIDS, at $40.00 per 1000.

1000 Mixed Brides and Bridesmaids, at $30.00 per 1000.

All fine stock, well-grown for own use.

500 Beaute Poitevine Geraniums, 4 inch, $5.00 per 100.

Cash please with order.

LLEWELLYN, Florist, Olean, N. Y.

Please mention the Exchange when writing.

EVERGREENS

For August and September Planting

	Doz.	100
American Arborvitae, 4-5 ft...	$7.00	$60.00
3-4 ft.	5.00	50.00
	Each.	Doz.
Golden, 18-24 in.	$0.50	$5.00
Pyramidal, 18-24 in.	.50	5.00
Cypress Lawsonia, 2-3 ft.	.75	7.00
18-24 in.	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis, 18-24 in.	.75	8.00
Picea excelsa, 4-5 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	25.00
18-24 in.	2.50	15.00
	Each.	Doz.
Pungens Glauca, Koster Type Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
12-18 in.	1.00	10.00

Roots dug with ball and burlapped, 10c. extra.

CALIFORNIA PRIVET

OCTOBER DELIVERY

2 Years, cut back and nicely branched.

	100	1000
Berberis Thumbergii. 3-4 ft....	$5.00	$40.00
2-3 ft.	4.00	35.00
18-24 in., very bushy ...	12.00	100.00
12-18 in., very bushy ...	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO.,
The Burr Nurseries MANCHESTER, CONN.

Please mention the Exchange when writing.

ENGLISH IVY

Strong, Bushy, Field-Grown Plants
READY IN SEPTEMBER
$6.00 per 100.

PETER WENK, OZONE PARK, (L. I.) N. Y.

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ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Calliwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

NEW BABY RAMBLERS

ROSE ORLEANS and Mrs. TAFT

Imported Field-grown Stock, of last year's elegant French Novelties: Mistress TAFT, crimson pink; ROSE ORLEANS, bright pink, white eye; both force readily, foliage healthy, by far preferable to the **Old Baby Rambler.** Fall delivery F. O. B. New York City duty paid: **$20.00 for fifty; $37.50 for one hundred.** TRY These **NOVELTIES** now for Winter flowering and for Easter forcing. Address

AUGUST RÖLKER & SONS, NEW YORK, 31 Barclay St., or P. O. Box 752

Please mention the Exchange when writing.

Brides and Bridesmaids

2½-in. **$2.50** per 100; **$25.00** per 1000

Numerous other good sorts in prime stock.

THE LEEDLE FLORAL COMPANY SPRINGFIELD·OHIO

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

Smilax Plants

Extra strong, bushy stock, from 2-inch pots, $1.00 per 100, $9.00 per 1000.

Have large stock and can ship promptly.

R. KILBOURN
Clinton, N. Y.

Please mention the Exchange when writing.

SPRENGERI—IRIS

Sprengeri, at $15.00 per 1000, good stock. German Iris in Mixed Colors, at $2.50 per 100.

GERANIUMS, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before October 15, at $10.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

The book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. DeLaMare Ptg. & Pub. Co. 2 to 8 Duane St. New York



AMERICAN GROWN
HARDY ROSES
SUPERIOR TO IMPORTED

Strong Field-Grown Plants of the Following Ready for Shipment in October:

HYBRID PERPETUAL

Alfred Colomb
American Beauty
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Margaret Dickson
Marshall P. Wilder
Mrs. John Laing
Mrs. R. G. Sharman Crawford
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CLIMBERS—RAMBLERS and TRAILERS

Baltimore Belle
Crimson Rambler
Dawson
Dorothy Perkins
Hiawatha
Lady Gay
Queen Alexandra
Queen of Prairies
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NEW RAMBLERS

Mrs. Flight
Tausendschon
Trier, White, Perpetual Blooming
Veilchenblau (Violet Blue) (Blue Rambler)

HYBRID TEAS

Caroline Testout Gruss an Teplitz Killarney
La France

BABY RAMBLERS

Anny Muller (Pink)
Katharine Zeimet (White)
Mme. Norbert Levavasseur (Crimson)
Maman Levavasseur (Pink)

RUGOSA HYBRIDS

Agnes Emily Carman
Blanc Double de Coubert
Conrad F. Meyer
Mme. G. Bruant
Nova Zembla (new)

All the above are growing in our Nurseries at Rochester. Personal inspection invited at the time of The Convention, or samples will be sent if desired. Samples charged at 100 rate.

Send us your list for quotations, stating number and varieties wanted.

ELLWANGER & BARRY

Mount Hope Nurseries : : ROCHESTER, N. Y.

JACKSON & PERKINS COMPANY, Newark, New York

SOME OF THE "J. & P." SPECIALTIES ARE:—

FIELD-GROWN ROSE BUSHES—best Florists' grades. Full assortment of H. P.'s, H. T.'s, Ramblers, etc.

FLOWERING SHRUBS—strong, thrifty stock. Almonds, Deutzias, Forsythias, Hydrangeas, Lilacs, Prunus, Philadelphus, Spireas, Snowballs, Weigelas, etc.

HYDRANGEA OTAKSA—strong plants, grown out-of-doors in 6-in. pots.

PÆONIES—splendid list of best Florists' sorts, all carefully "rogued" and true to name.

PERENNIAL PLANTS—a very complete assortment of the best varieties.

LOCATION—30 miles east of Rochester. Reached by Rochester, Syracuse and Eastern trolley line. Cars every hour from corner of Main and Clinton Avenue, Rochester.

COME TO SEE US. Convention visitors are urgently invited to call upon us and see our five hundred acres of Ornamental Nursery stock

ORIGINATORS OF THE "DOROTHY PERKINS" ROSE

EUROPEAN GOODS

In addition to the business of our own nurseries we are also **SOLE AMERICAN AGENTS** for leading European growers of the following lines:—

BELGIAN PLANTS—Messrs. Van Dillewyn & Thiel, Ghent, Belgium.

LILY OF THE VALLEY—Mr. Ernst Riemschneider, Altona-Hamburg, Germany.

DUTCH BULBS—Messrs. Van Til-Hartman, Hillegom, Holland.

ENGLISH MANETTI—Messrs. Wm. Fell & Co., Hexham, England.

FRENCH MANETTI—Mr. Chas. Detriche, Sr., Angers, France.

JACKSON & PERKINS COMPANY, Newark, New York

"Dispensers of The Preferred Stock"

Please mention the Exchange when writing.

Louisville, Ky.

Trade in the past two weeks has been far above the usual Midsummer standard and the expectations of the dealers are satisfied in every particular. Funeral work has been plentiful and cut flower orders have been holding their own.

A big assembly of Louisville florists, together with their wives, employees and friends, gathered at Stower's Grove, on the date fixed for the annual picnic of the Kentucky Society of Florists. Shop talk was tabooed and every member of the assembly entered into the spirit of the occasion with a zest that made the fun fast and furious. Stower's Grove is located about four miles from the city limits on the Eighteenth Street Road, and is easily reached by interurban cars. The morning of the picnic was occupied by an exciting ball game, with the score indefinite after a three-inning struggle, both sides claiming the victory by default. After a big picnic spread, foraged from the ample baskets that were brought by the florists and their friends, races for women, men, girls and boys made up a thrilling program, and those florists not athletically inclined indulged in games of euchre and other amusements more suited to a quieter temperament. The affair is pronounced to have been one of the most successful ever held under the auspices of the Society, and the attendance equalled that of any previous picnic, being in the neighborhood of two hundred. The enjoyable time is largely attributed to the efforts of the entertainment committee, composed of J. B. Stuessy, chairman, and associate members, Joseph Wettle, Louis Kirch, Frank Kleinstuber, Gus Kleinstuber and Fred L. Schulz.

On August 2 a meeting of the local association of florists was held at the greenhouses of H. Kleinstarink, on Letterle ave., to ascertain the number of Louisville florists who expect to journey to Rochester, N. Y., for the big convention, August 15. A large company of boosters from the Gateway of the South will go to Rochester to participate in the convention, as a great deal of interest has been taken in the movements of the national body by local florists.

The window of Nanz & Neuner, on Fourth ave., presents an unusually attractive appearance, containing a rustic pagoda, in a rural setting, and on the table in the Summer house there is a small electrolier that throws a little light on the subject for the benefit of Fourth ave. promenaders during the evening. A shell walk leads to the resting place, inviting the observer to enter and rest himself in the bower. Asparagus and Japanese evergreens ornament the remainder of the window, which in its entirety presents an exceedingly cool and attractive Summer scene.

Miss Louise Struck who is employed by August Baumer, florist, has returned from a two weeks' vacation, which she spent at Owensboro, Ky. Mr. and Mrs. Baumer went to Chicago on August 7 for a week's stay. Mr. Baumer will participate in the Conclave of the Knights Templars during his stay in the Windy City.

Miss Mary Sheedy, who is employed by Jacob Schulz, florist, will leave in a few days for Sweet Sulphur Springs, Ky., where she will remain for about three weeks on a vacation.

Jacob Schulz will attend the convention at Rochester. He expects to buy some Fall stock for his establishment, in addition to taking part in the affairs of the convention.

Mrs. C. B. Thompson, one of the leading women florists of Louisville, is now on a two weeks' fishing trip at Beaver Landing, Ind.

The Fitch obsequies in Jeffersonville Ind., brought Fred Haupt about twenty-five orders for floral designs of various types. In addition to these orders, he filled one from the National Baseball League for a big standing wreath to be placed upon the grave of Harry Pulliam in Cave Hill Cemetery, on the anniversary of his death. The wreath was composed of Lilies and Roses. John H. Heydler the present secretary of the League, also placed an order with Mr. Haupt for a cross, made of Lilies, and which covered the Pulliam grave completely. Mr. Haupt will attend the Knights Templars' Conclave in Chicago.

The floral establishment of Mrs. M. D. Reimers, on Fourth ave., has been renovated and presents an uptodate post-Spring cleaning appearance. Mrs. Reimers is preparing a very handsome exhibit for the horticultural department of the Kentucky State Fair, September 12-15.

A movement has been set on foot among local florists for donations toward the purchase of a handsome silver trophy, which will be given to the florist who prepares the handsomest design for exhibition in the Horticultural Building at the Kentucky State Fair. Practically all of the Louisville members of the trade have contributed toward the purchase of the cup, and a gratifying feature of the affair is the way in which smaller florists, who do not intend to enter the contest, have contributed. In a number of instances, florists from Jeffersonville and New Albany, Ind., who, on account of regulations, would not be allowed to exhibit at a Kentucky State Fair, have given liberally to the committee in charge of the contest and have been able boosters in the cause. This spirit of co-operation is very pleasing to local florists.

G. D. C.



BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in	$7.50	45-48 in.	30 in	$10.00
46-50 in.	28 in	8.00	46-54 in.	34 in	12.00
			46-53 in.	40 in	15 00

Box Trees

Bush Shaped
These do not come in tubs.

Height	Each	Doz	100
10 to 12 in	$0.30	$3.00	$20.00
12 to 15 in	.35	3.50	25.00
15 to 18 in., light	.40	4.00	30 00
15 to 18 in., heavy	.45	4.50	35.00
20 to 24 in	.75	8 00	

CROTON

Choice Varieties

	Each	Doz.
3-inch	$0.20	$2 00
4-inch	.35	3.50
5-inch	.60	6.00
6-inch	1 00	10.00
7-inch	1.50	15.00

All plants are quoted f. o. b. Western Springs.

Standard Bay

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

Please mention the Exchange when writing.



These illustrations show how we grow California Privet here at Harrison's Nurseries—and the way our Privet looks when planted as hedges along driveways, walks, etc.

We have the right soil and climate here for growing California Privet, and take unusually good care of our plants. We cultivate the blocks each week, and during the dormant period last year we cropped the smaller sizes—one- and two-year—back to the ground. These plants developed a wonderfully bushy growth in 1909 and are now in prime shape.

The upper view represents a block from which tens of thousands of plants will be dug this spring. This is the kind of Privet you'll be proud to furnish your customers—fine, vigorous, well-rooted and branched plants, every one. In fact, Harrison's California Privet is so strong and thrifty as to be almost a distinct and separate variety in itself.

California Privet Plants for Hedges

By the Rod or by the Mile

Whether you want enough Privet to plant a rod or a mile, we want to supply you; write us NOW for particulars and prices. Owing to the mild climate of our locality we dig our Privet only as ordered; this does away with the necessity of digging and storing through the winter. When shipments are to be made, the roots are carefully protected and wrapped, and in this condition, Harrison's Privet can be shipped to any distance without drying out.

Try us on an order for California Privet; we have nearly 300,000 plants in sizes varying from 4–5 feet, down to 12–18 inches. We offer in addition very attractive stocks of Barberry, Arborvitae, Colorado and Koster's Blue Spruce, Norway Spruce, etc., also Fruit and Shade Trees of all kinds. Particulars on request. Address Box E.

Harrison's Nurseries, J. G. Harrison & Sons, Props., Berlin, Md.



Examine Our Convention Exhibit

Julius Roehrs Company

Please mention the Exchange when writing.

The
ELIZABETH NURSERY COMPANY
OF ELIZABETH, N. J.

Are offering one of the largest stocks of **EVERGREENS, SHRUBS** and **PRIVET** in this country. On Evergreens for window boxes, no one can compete with them, as they have upwards of 100,000 of these beautiful little Evergreens growing in great variety. Will gladly give prices.

PRIVET, 18 to 24 inches, 2 to 3 feet, 3 to 4 feet, 4 to 5 feet and 5 to 6 feet; also some specimen plants worth $5.00 each.

VIBURNUM PLICATUM, in large quantity at low prices.

200,000 CLEMATIS PANICULATA, 2, 3 and 4 year old plants.

1,000,000 HERBACEOUS PLANTS. Send for list.

Please mention the Exchange when writing.

WARNING!!

All debtors who have fallen into the hands of William H. Siebrecht, Jr., the Florists' Attorney, of 277 Broadway, New York City, had better either keep under cover during the Convention or else make their peace with him before his arrival in Rochester.

Please mention the Exchange when writing.

San Francisco

The Market

During the past week we have been favored with somewhat cooler weather, and business seems to be just a shade better, although the retailer's usual reply to the question as to how is business is invariably, "Nothing doing." However, stock seems to move faster than it did a week ago. Carnations are still more or less plentiful, and the demand seems to be equal to the supply. Roses continue scarce, and what few blooms we do get fetch good prices. Orchids are hard to get at any price. Gladioli of various sorts are very plentiful and sell well in the stores. Green goods of all descriptions are also plentiful, with prices about the same.

Various Notes

The Stockdale Nursery Co. of Burlingame is busy at present laying out the extensive grounds at the Rothchild Sanitarium at Belmont, San Mateo County. Henry Maer has charge of the operations.

During the coming week John McLaren, superintendent of Golden Gate Park, will address the members of the Hillside Club, Berkley, his subject being, "The Designing and Arranging of Parks." Mr. McLaren has an international reputation in this line of work, and a large turnout of members is assured to hear him speak on this interesting subject.

The E. Gill Nursery Co. of West Berkley is right in the midst of the budding season, and a large staff of men is being kept busy. The stock of Roses in its well known nursery is looking very fine at present.

H. Sandborn of Oakland has returned from an extended trip through the eastern States.

J. Horace McFarland of Harrisburg, Pa., president of the American Civic Association, will lecture before the Berkley Improvement Association at an early date. His subject will be "A Crusade Against Ugliness."

Arthur Zirkman of Philadelphia was a recent visitor in town.

C. B. Kniekman, representative of McHutchison & Co. of New York, is calling upon the local growers.

The MacRorie-McLaren Co. has started to lay out a large private estate at Santa Cruz. This concern has several big contracts on hand for this class of work.

J. Nevens of Ross Marin County intends erecting a large greenhouse for the cultivation of Roses principally.

Andrew McDonald, head gardener on the Coryell estate at Menlo Park, will leave on September 1 for Europe.

Among the Local Growers

E. James of Elmhurst has a fine lot of Cyclamens and Primulas on the move at present. Ferns of various sorts are also to be seen in quantity, Nephrolepis being especially well grown in the nursery. Mr. James intends building another house this season, for the cultivation of Lorraine Begonias.

A visit to H. Plath, the "Fern King," showed everything in fine shape at his large establishment at Ocean View. Ferns are Mr. Plath's great specialty, yet he has still time to grow various other things in the way of pot plants, to the same degree of perfection that he does his Ferns. Two large houses are filled with Kentias in various sizes and there is no healthier lot of plants to be seen on the Coast. Primula obconica is also grown in quantity; something like four thousand of these plants are being grown along in frames at present. Mr. Plath is also the largest grower of Lily of the Valley in this section, and like all other things which he grows, his Valley has a reputation for quality.

A visit to the nurseries of Domoto Bros. at Elmhurst is always interesting, because here we are always sure to bump up against something which we have never seen before. Quite a few houses are devoted to Carnations at this establishment, and, as seen in the benches, I don't believe it possible to find a finer lot. The varieties principally grown are Enchantress, White Enchantress, Beacon, Winsor, and O. P. Bassett. The Chrysanthemums were also looking well and many of the early sorts will be ready for cutting in a few days.

WM. MCM. BROWN.

PALMS AND FOLIAGE PLANTS

have been my specialty for thirty-five years, and are all grown by myself.

The stock I am now offering is fully up to any that I have ever sent out; fine, strong, clean, home-grown stock.

ARECA LUTESCENS

Pots	Inch high	Each	Doz.	100
4 in., several in a pot,	15 to 16,		$3.00	$20.00
7 in., several in a pot,	32 to 36,	$2.00		

KENTIA BELMOREANA

Pots	Inch high	Each	Doz	100
2½-in.,	3 to 4 leaves		$1.50	$10.00
3 in.,	4 to 5 leaves,	10 to 12,	2.00	15.00
4 in.,	4 to 5 leaves,	14 to 16,	4.50	35.00
5 in.,	5 to 6 leaves,	16,	6.00	50.00
5 in.,	6 leaves,	16 to 18,	9.00	70.00
6 in.,	6 to 7 leaves,	20 to 24,	12.00	
6 in.,	6 to 7 leaves,	24 to 25,	$1.25	15.00
7 in.,	7 to 9 leaves,	26,	2.00	24.00
7 in.,	7 to 9 leaves,	26 to 28,	2.50	
8 in.,	several in a pot,	32 to 36,	3.00	
8 in.,	several in a pot,	36 to 38,	4.00	
10 in.,	several in a pot,	45 to 48,	7.50	
11 in.,	several in a pot,	48 to 50,	8.00	

KENTIA FORSTERIANA

Pots	Inch high	Each	Doz.	100
2½ in.,	3 to 4 leaves		$1.50	$10.00
3 in.,	4 leaves	10 to 12,	2.00	15.00
5 in.,	several in a pot,	18 to 20,	9.00	70.00
6 in.,	several in a pot,	24 to 25,	$1.00	12.00
6 in.,	several in a pot,	26,	1.25	15.00
7 in.,	several in a pot,	30 to 36,	2.00	24.00
7 in.,	several in a pot,	36 to 38,	2.50	
10 in.,	several in a pot,	45 to 50,	7.50	
11 in.,	several in a pot,	60 to 65,	12.00	

COCOS WEDDELLIANA

Pots		Doz.	100
2½ in.,	8 in. to 9 in. high	$1.50	$10.00
3 in.,	10 to 12 in. high	2.00	15.00

Pots		Each	Doz	100
10 in.,	**Latania Borbonica,** fine	$3.00		
7 in.,	**Phoenix Roebelenii,** very strong	2.00		
7 in.,	**Aralia Veitchii,** very strong	2.00		
8 in.,	**Aralia Veitchii,** very strong	2.50		
2½ in.,	**Draecæna Sanderiana**		$1.50	$10.00
4 in.,	**Dracæna Terminalis** (October)		3.00	25.00
3 in.,	**Crotons,** fine varieties		2.00	15.00
4 in.,	**Crotons,** fine varieties		3.00	25.00
5 in.,	**Crotons,** fine varieties		6.00	50.00
6 in.,	**Crotons,** fine varieties	75c. to $1.00 each		

LEMUEL BALL, Wholesale Florist Wissinoming, (Philadelphia) Pa.

Please mention the Exchange when writing.

Worcester, Mass.

Not a great deal of interest in the coming convention of the S. A. F. is manifested by Worcester florists. As far as could be learned the H. F. A. Lange Co. and H. F. Littlefield are the only local florists who will be represented at the Rochester convention. Either A. H. Lange or Carl Lange will attend in the interests of their firm. It is expected that Mr. Littlefield himself will be present.

The answer to the inquiry made by the representative of the EXCHANGE as to whether florists would attend or not, was generally, "No, we are too busy getting ready for the Fall trade."

The proximity of Worcester to Boston confines the local florists to funerals, weddings and smaller interests that give the growers plenty to do, and provide the dealers a good business, but furnishes neither with an incentive for branching out and doing special work. As a rule, Worcester people are not loyal to home trade and frequently patronize Boston and New York houses for special orders. The larger weddings are usually given to outside firms, which leaves only the smaller trade to the Worcester florists. The wealthy people have sufficient blooms in their own greenhouses to decorate the homes for small parties, and for the larger social affairs, with but few exceptions, send to Boston. This may be one of the reasons why so little interest is taken in the Rochester convention, which undoubtedly will furnish many valuable suggestions and opportunities for comparison.

The trade, so far, this month has been all that was expected. Stock at present is reported to be low. Asters are very late, but Sweet Peas are holding out better than was anticipated.

Fisher, the florist, had a pretty window display of the Comet Aster, which attracted much attention during the week.

Mr. and Mrs. A. H. Lange are at Eagle, Me., for a vacation.

Edward W. Breed of Clinton, a prominent nurseryman and florist, gave an interesting address on the rare collection of trees on the Goodiah Brown Hadwen estate, at the annual outing of the Worcester County Beekeepers' Association, which was held on Saturday afternoon on the grounds of the estate. Mr. Hadwen, who was formerly president of the Worcester County Hort. Soc., and one of the most respected horticulturists in the country, willed his magnificent estate to Clark University, that students from all over the globe who attend might learn of the rare specimens of trees, shrubs and birds which are found there. Mr. Breed's address was greatly enjoyed.

Leonard C. Midgley is still busy planting his Carnations and he expects a large stock this Fall.

F. A. Madaus finds his funeral work sufficient to make the season a busy one. He, too, is busy planting his Fall flowers.

C. D. Mackie reports a shortage of Roses and late Asters. He has returned from Scituate, where he passes the week end with his family. E. D.

CRAIG'S SPECIALTIES | Order Now

We call special attention to our large stock of Ferns, in all the leading varieties, Begonia Lorraine, Cyclamen, Crotons, Ficus Pandurata, etc., etc., all of which is the very **highest quality.**

Cyclamen

We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality and much heavier than is generally offered in the following sized pots. It will make excellent plants for Christmas sales.

3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
4-in. pots, very strong.....$25.00 per 100; $225.00 per 1000
5-in. pots, very strong.....$50.00 per 100; $450.00 per 1000

Crotons

Our stock is exceptionally well colored. We are now booking orders for immediate and future delivery.

4-in., highly colored.....$25.00 per 100
5-in., highly colored.....$50.00 and $75.00 per 100
6-in., highly colored.....$9.00, $12.00 and $15.00 per doz.

Larger plants, well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50, $4.00, $5.00 and $6.00 each.

Nephrolepis Elegantissima Compacta—New

We cannot speak too well of this variety. We believe it to be one of the very best of the Nephrolepis family.

2¼-in. pots.....$10.00 per 100; $90.00 per 1000
4-in. pots.....$25.00 per 100
6-in. pots.....$75.00 per 100

Nephrolepis Scottii

2¼-in. pots.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$15.00 per 100
6-in. pots, ready August 10.....$50.00 per 100
10-in. tubs.....$24.00 per doz.

Nephrolepis Todeaoides

The London Fern

2¼-in. pots, strong plants.....$5.00 per 100; $45.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$50.00 per 100

Nephrolepis Scholzeli, Crested Scottii

2¼-in. pots.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$25.00 per 100; $225.00 per 1000
6-in. pots, very heavy.....$6.00 and $9.00 per doz.

Ficus Pandurata

The best house plant to date

6-in. pots to 11-in. tubs, $2.00, $2.50, $3.00, $4.00, $5.00, $6.00, $7.50 each
Branch Plants.....$2.50, $3.00, $4.00, $5.00, $6.00 each

The above stock is exceptionally fine.

Pandanus Veitchii

4-in. pots.....$6.00 per doz.; $45.00 per 100
6-in. pots.....$12.00 per doz.; $90.00 per 100

Gardenia Veitchii

2¼-in. pots, strong.....$8.00 per 100; $75.00 per 1000
4-in. pots.....$20.00 per 100
6-in. pots.....$50.00 per 100
7-in. pots.....$9.00 per doz.; $70.00 per 100

Areca Lutescens

Beautiful stock; 2 plants in pots

6-in. stock, 24 to 26 inches tall $12.00 per doz.; $90.00 per 100
7-in. stock, very heavy, 30 to 32 inches tall....$24.00 per doz.
7-in. stock, very heavy, 32 to 36 inches tall....$30.00 per doz.

Dracaena Massangeana

Beautifully colored

6-in pots.....$18.00 per doz.
7-in. pots.....$24.00 per doz.
8-in. pots.....$36.00 per doz.
10-in pots.....$48.00 per doz.

Phoenix Roebelenii

Well characterized

6-in. pots.....$24.00 per doz.

Bridesmaid, Grafted

4-in. pots.....$16.00 per 100

ROBERT CRAIG COMPANY, 4900 Market Street, Philadelphia

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

BEGONIA Vernon, 3-in. pots, in bloom, $5.00 per 100.

SALVIA Bonfire, 3-in. pots, $3.00 per 100.

PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen.

ACALYPHA, 3-in. pots, $4.00 per 100.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

MOSCHOSMA riparium, 3-in. pots, $5.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

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Prices Advertised in these Columns are for THE TRADE ONLY

Large Field Plants of STEVIA

As big as a bushel basket, $10.00 per 100.

CHRYSANTHEMUMS

ROOTED CUTTINGS OF:—October Frost, Pres. Taft, W. E. Kelley, Golden Glow, Poehlmann, J. Nonin and Chadwick, $2.00 per 100, each variety, to close out.

FIELD CARNATIONS

Enchantresses, Beacon, White Perfection and Georgia; each at $6.00 per 100.

I. M. RAYNER

GREENPORT, (L. I.) N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

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Prices Advertised in these Columns are for THE TRADE ONLY

The Non-Breakable Vase

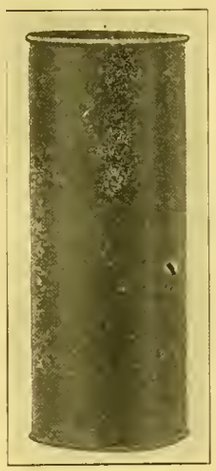
See Our Display at the Convention

Finished in Foliage Green or White and Gold





Fully Covered by Patents



Combination Vase and Pedestal

Did you ever realize how much of your profits goes in the breakage of vases?

The Non-Breakable Flower Vase is not only cheaper but will outlive those of any other make

PRICE LIST

No.	Per doz.
1, 9x29	$20.00
2, 9x24	15.00
3, 7x18	8.00
4, 5½x18	5.00
5, 5½x14	4.50
6, 6½x14	5.00
7, 5½x12	4.00

No.	Per dnz.
8, 5½x8	$3.00
9, 4x6½	2.50
10, 12x7½x5½	5.00
11, 14x8½x6½	8.00
12, 20x10 x8	12.50

Special Price in Hundred Lots

COMBINATION VASE AND PEDESTAL

	Green	White	Dozen	Dozen
No. 14, 12 in., each	$1.25;	$1.50;	$15.00;	$18.00
No. 15. 20 " "	$2.25;	2.50;	24.00;	28.00
No. 16, 32 " "	$3.00;	3.50;	33.00;	37.00
No. 17, 48 " "	$5.00;	5.50;	55.00;	65.00

The Non-Breakable Flower Vase Co.

S. H. DE BRELL, Sec'y. **Office Address, 1100 N. Y. Ave., Washington, D. C.**

Please mention the Exchange when writing.

EMPTY GREENHOUSES DO NOT PAY

Fill them up. We have the stock

Try us. Liberal Extras

BEGONIAS, Flowering, 15 varieties, some kinds blooming now, $5.00 per 100.

500,000 Rooted Cuttings of **Geraniums, Coleus, Heliotropes, Petunias,** etc.; ready soon. Write for prices on your needs.

SMILAX, 2½ inch, 2 year bulbs, $2.50 per 100.

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CINERARIAS, 2½ in. at $5.00 per 100.

HYDRANGEAS, 2½ in. at $5.00, 3 in. at $8.00, 4 in. at $12.50 per 100; 6 in. at 50 cents, and 9 in. at $1.00 each.

FLOWERING BEGONIAS, 3 in. at $5.00 per 100.

REX BEGONIAS, 2½ in. at $5.00, 3 in. at $10.00, 4 in. at $25.00 per 100.

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PRIMULA FORBESII, 2-in.	2.00
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Sprengerl, 2¼-in. pots	2.00

PANSY SEED, NEW CROP, GIANT FLOWERING, Ounce 4.00

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KEWENSIS, yellow,	$2.00
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Obconica alba and rosea	2.00
Obconica gigantea	3.00

Cash, Please

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SMILAX, 2¼-in., $2.00 per 100; $18.00 per 1000.

ASPARAGUS Sprengeri, 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUMS, S. A. Nutt, 2¼-in., $2.00 per 100, $18.00 per 1000. Cash with order.

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F. E.—Best Advertising Medium

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(31) **Cyclamen, Ficus, Araucaria.**—What kind of soil and treatment will Cyclamen require from now until Xmas? As to the shading and watering (whether copious or sparing) of rubber plants? As to the kind of soil and watering (whether copious or sparing) of Araucarias?—S. W. C., Va.

—For Cyclamen, 50 deg. at night and 60 deg. by day is the ideal temperature. Do not overpot, but keep shifting on as soon as pot is filled with roots. Do not overwater, but do not allow the plants to wilt. Keep free from insects by use of tobacco or other insecticides. See to it that the pots are well drained. For soil use a fresh tufty loam, with one-fourth well rotted horse manure to which add some clean sand, if the soil is heavy.

Ficus elastica should have only a moderate shade. If the pots are full of roots, water copiously, if not water moderately.

Araucarias do well in any good potting compost. The same rule will apply to watering Araucarias as to Ficus. It is impossible to give exact rules for watering. If used as house plants they should be given light and a temperature of not over 60 deg. at night. In Summer, in a greenhouse, they should be protected by shading.

(32) **My Maryland in Cold House**—Will Rose My Maryland stand through the Winter in a cold house the same as Kaiserin?—J. W. H., Mass.

—As far as can be learned no one has tried carrying My Maryland Rose over in a cold house, the same as Kaiserin. Probably it can be done successfully. Another method would be to let it rest six weeks beginning about Feb. 15, and then start it up again for Summer blooming.

(33) **Myosotis, Wallflowers, Pansies**—When is the proper time to sow seed of Myosotis? What would be the best protection in Winter, sash or lids? Can I grow Wallflowers outside in Winter, with protection, and when should I sow that seed? When is proper time to sow Pansy seed to be planted in frames outside for Spring trade? What other crop could I grow outside for Spring as a money maker?—S. W. J., Pa.

—Sow Myosotis now in cold frames outofdoors, transplant the seedlings about the middle of September and protect them, preferably with sash, during Winter same as you would Pansies.

To raise Wallflowers outside sow the seeds in August; transplant to a cold frame and protect during the Winter, transplanting outside when ground is dry enough to work in Spring.

Sow Pansy seeds now, in shaded cold frames; when large enough to handle, transplant into cold frames, and protect during Winter and you will have good plants for Spring trade. For other hardy stocks grow double Pyrethrum, of different colors, in cold frames or beds.

(34) **Forcing Spanish Iris**—I intend forcing this Winter some Spanish Iris. Can you give me any advice as to how to handle them? My intention is to plant them in flats. What distance should I plant them in the flats? What treatment should I give the flats after they are planted, and how long after planting them should I put them in the house for forcing? What temperature should I give them, and about how long will it take after they are put in the house?—J. M. B., N. J.

—Plant the Spanish Iris in 5-in. pots five or more to a pot, or in flats 2 in. apart, using for soil a compost of two parts sandy loam, and one part made up of equal proportions of well decayed manure, leaf mould and sand, in September or October. Plunge or set in cold frames, cover only in wet weather, until November, then put on sash nights



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VOLUME 1 NUMBER 7

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 13th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An **exceptionally** early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of **exceptionally** free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

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CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.



Sweet Peas, Boddington's Christmas Snowbird

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Christmas Captain. Blue and purple. Oz. 25 cts, ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Greenbrook White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. William Sim. Salmon-pink Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1 25, lb. $2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN — **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

and cold days, but air freely. When the plants begin to develop spikes, take them into a cool house, giving a night temperature of 50 deg. and 60 deg. in daytime. They will probably bloom in about four weeks after the spike begins to appear. Do not allow them to frost in the outdoor frames.

(35) **Best Single Violet to Grow**—What is the most profitable single Violet to grow? What is the Gov. Herrick variety? I have never happened to hear of that.—W. D. H., Mass.

—Everything considered the best single Violet is probably the Princess of Wales. The Violet Gov. Herrick was disseminated in 1906 by its originator, B. R. Carlton of Willoughby, O. The originator's description is on page 495 of the Florists' Exchange of the issue of April 14, 1906. It is a single Violet. The originator claims for it (1) large size, (2) rich dark purple color, (3) strong stem of good length, (4) long keeping quality, (5) continuous and free blooming habit.

(36) **Melon and Cucumber Vines Dying**—Can anyone give me a remedy for Cucumber, Squash and Melon vines that begin to droop and die? Have pulled them up and cut roots and stems and find nothing the matter, only small pin holes, yet a fine healthy vine all full of fruit and bloom, which go in a day. Any remedy will be greatly appreciated. —W. H., Mass.

—The Cucumber, Squash and Melon which are blighting are attacked by a bacterial disease for which there is no remedy known. Keeping the leaves lightly sprayed with a weakened solution of Bordeaux from the very beginning and before the disease manifests itself has been an effective preventive. Vegetables should be picked before spraying.

(37) **Flowers for Old English Garden**—Kindly give names of flowers suitable for an old fashioned English flower garden, and, if possible, a sketch showing how to place the flowers properly. The garden is to be 50 by 125 ft., run north and south, rich, sandy loam.—A. C. R., N. Y.

—It is suggested that you procure a copy of "Residential Sites and Environments," price $2.50, mail postpaid; published by the A. T. De La Mare Co., Ltd., 2 to 8 Duane St., N. Y. City. This will give you both plant lists and plans of setting. Consult especially for herbaceous gardens and borders, pages 66 to 72.

(38) **Trouble with Apples and Cherries**—I am sending you two leaves of Cherries and two of apples. Will you please examine them and tell me what to use to cure the trouble with them? I have been trying tobacco water, nicotine, but it did not do any good.—G. D., New York.

—The Apple and Cherry leaves submitted for inspection show that the trees are attacked with a species of rust. Spray the trees with Bordeaux mixture. The finer the spray, and the greater the force with which it is applied the more effective it will be.

(39) **Running 12,000 ft. of Glass at a Profit.**—Owing to advancing years, we are considering the advisability of devoting our time and glass to growing bedding plants, etc., for the wholesale trade. We can dispose of about $1500 worth locally at retail each year. We would be glad to hear from any of the trade, through your paper, as to the probable net profit from 12,000 ft. of glass devoted to this branch, with a first class man in charge. We are located on three good roads, and have two express company connections. How many hands could be employed profitably in this sized plant?—"AGED," New York.

[We shall be glad to have the views and experiences of our readers on this subject.—Ed.]

(40) **Plant for Name.**—Kindly let me know through the Exchange the name of the plant enclosed.—C. W. B., New Jersey.

—The specimen is Euphorbia lathyris or Caper Spurge. The plant has been cultivated in the eastern part of the United States, but is now frequently found naturalized. P. L. RICKER. U. S. Dept. of Agriculture, Washington, D. C.

Paper Substitute for Greenhouse Glass

The Horticultural Society of Tunis, Africa, has issued a small pamphlet relative to a certain kind of paper which is used for making wings of aeroplanes, and which has proved suitable for replacing the glass in hotbed sash and greenhouses. This pamphlet contains a report read before the Society by its vice-president, Dr. Braquehaye, which speaks highly in favor of this paper. He has had a greenhouse covered with it, where it has proved its resistance to the inclemencies of the weather, to the heat of the sun, and especially to the abundant rains of last October and November. A spectroscopic examination of it has been made by Mr. Bertainchand, director of the Laboratory of Agricultural and Industrial Chemistry of the Regency, and this examination has shown that the paper allows the red, orange, yellow and green rays of light to pass through, absorbing only the blue, indigo and violet rays, that is to say those rays which are not useful to plant growth. Dr. Braquehaye has successfully cultivated many plants in the house so covered, and his conclusion is that the paper may be of great service, especially for the construction of cheap hotbeds, being light, durable, very impermeable, not easily broken and in any case not difficult to repair. It may also be readily kept during the warm season. The paper, styled "Papier pochoir," is manufactured by the firm of Aussedat et Cie. of Annecy, France. *Revue Horticole.*

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Baltimore

The meeting of the Gardeners' and Florists' Club of Baltimore held on Monday evening, August 8, in the Florists' Exchange Hall, was one of the most important in the history of the Club. President George Morrison was in the chair. The question of inviting the S. A. F. & O. H., to hold its 1911 convention in Baltimore was the principal business of the evening. Richard Vincent, Jr., of White Marsh, the prime mover in the project made an interesting address in favor of the idea, which aroused much enthusiasm among the members. He read several letters from florists in different sections and reported that Mayor Mahool of Baltimore gave him every assurance of support, as also did Mr. Pinkton of the Baugh Chemical Co., J. M. Stewart, president of the Fruit Dealers' Association, and the Merchants and Manufacturers' Association. Many of the members expressed their views, the discussion lasting nearly two hours. After practically every detail had been talked over, James L. Towner moved, with James Boone as seconder, that Baltimore be placed in nomination for the 1911 convention, which motion was carried amid great applause. Nearly $1000 was pledged toward the expense, a preliminary which augured well for success in the movement.

Baltimore is an energetic city, and if the florists undertake the housing of a convention they can be relied upon to carry it to a successful conclusion. Baltimore has never had the honor before, and the Rochester convention will do well to grasp an opportunity to stir up the South.

The Baltimore delegation to Rochester will travel over the Baltimore and Ohio Railroad, in a special Pullman parlor car, leaving Baltimore on Monday at 9.54 a.m., and reaching Rochester at 9.15 p.m. An invitation was sent to the Washington delegation to share the Club's car.

J. L. T.

Classified Advertisements.

Received too late for regular position.

FOR SALE—3 sectional boilers at Woodlawn, N. Y. For price and particulars write to Metropolitan Material Co., 1398 Metropolitan Avenue, Brooklyn, N. Y.

SITUATION WANTED—By first class gardener, 30 years old, life experience. Southern vicinity preferred. Address
E. S. Roth.
Care Oak Hill Farm, Red Bank, N. J.

SITUATION WANTED—By gardener, experienced in all branches of gardening, as assistant on large private place; advertiser has eight years' experience in uptodate flowers, vegetables and landscape work. Attended Cornell University two years; American, age 23, single. Available September 1st. Address Box 25, R. F. D. 1, Pennington, N. J.

FIELD GROWN CARNATION PLANTS.
Fine, heavy plants, well branched.

	Per 100
Rose Pink Enchantress	$6.00
Enchantress	6.00
White Perfection	6.00
Smaller Plants:	
Winsor	5.00
Harlowarden	5.00
Patten	5.00

Cash with order. Can ship U. S. Express.
Sunnyside Greenhouse, Dover, N. J.

FOR SALE—Mercer hot water heater, used only two years, in good condition. Capacity, 1500 square feet, all parts. Price $63.00. R. C. Vernes, 175 Senator St., Brooklyn, N. Y.

WANTED—An Auctioneer's Clerk to take down sales and attend to receiving and shipping; only a live man wanted. Wm. Elliott & Sons, 42 Vesey St., New York City.

For other "Want" Advertisements, see page 274

Francis Brill
—GROWER and DEALER—
Hempstead, L. I.
NEW YORK

Choice Seeds
For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price List Free **Quality Finest** Wholesale and Retail

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

Published every Saturday by the A. T. De La Mare Ptg. and Pub. Co., Ltd., Proprietors, 2, 4, 6 and 8 Duane Street, New York. A. T. De La Mare, president and managing editor; Jas. H. Griffith, secretary; David Touzeau, treasurer. The address of the officers is the address of this paper. Short address: P. O. Box 1697, New York.

Telephone 3765-6 Beekman

PRINCIPAL OFFICES

Chicago: Margaret T. Flint, room 614, No. 60 Wabash Avenue; tel. Randolph 2000. Office hours: 9.30 to 12.

Boston: Robert Cameron, Cambridge, Mass.

Philadelphia: Appointments can be made or letters addressed to Jos. H. Sperry, our representative, care of Keystone Hotel, Market st., near 16th, for Mondays and Tuesdays.

Yearly Subscriptions.—United States and Mexico, $1.00. Canada, $2.00. Foreign countries in postal union, $2.50. Payable in advance. Remit by Draft on New York, Post Office or Express Money Orders; if paid in cash please register letter.

The address label indicates the date when subscription expires and is our only receipt therefor.

Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Exchange Representatives at Rochester

The interests of The Florists' Exchange at Rochester will be looked after by the following gentlemen: J. H. Pepper, of editorial staff; H. B. Stringer and A. H. Secker, both of Rochester; Thomas J. Wade, manager of the Bonnie Brae Greenhouses, New Rochelle, N. Y. (who will also represent his own firm), and A. T. De La Mare. Information for the paper on business matters can be laid before any of the above named and will receive careful attention.

S. A. F. Forecasts

Cities asking for the Convention—
ST. LOUIS
BALTIMORE

Presidential Possibilities—
GEORGE ASMUS, Chicago, Ill.
J. F. COLWELL, Buffalo, N. Y.
W. W. COLES, Kokomo, Ind.
RICHARD VINCENT, JR., White Marsh, Md.

For the Secretaryship—
H. B. DORNER, Urbana, Ill.
HARRY A. BUNYARD, New York City.

For the Treasury—
WM. F. KASTING, Buffalo, N. Y.

Baltimore in 1911

The city of Baltimore will ask that the 1911 convention of the S. A. F. & O. H. be held there. Baltimore is an ideal city and possesses many attractions and advantages as a convention point, among which may be mentioned ease of access, location on salt water, unsurpassed hotel accommodation finer than which none can be found, and the menu of which cannot be surpassed anywhere. It can furnish one of the most convenient meeting and exhibition halls that the Society has ever met in. Within the past few years it has become the metropolis of the South in more ways than one, and is especially noted as a horticultural center.

It will meet the Society with the wide open arms of Southern hospitality and everyone may rest assured of a hearty welcome within its gates.

R. A. VINCENT.

Convention Notes

The 1911 National Flower Show

We have learned from S. A. F. President Frank R. Pierson that he has succeeded in raising a guarantee fund of $10,000 on which 20% payments have already been made. The lease for the hall has been signed, a manager and secretary engaged, a preliminary plant schedule arranged for an active campaign in furtherance of the flower show will be undertaken at the Rochester convention. The manager, Mr. Campbell, will be present and expects to be kept busy.

On the Convention Floor

It is expected that President Pierson in his address will advocate a Midwinter session of the S. A. F.; another prominent feature will be a recommendation to consolidate the present so-called auxiliary societies. Mr. Pierson believing that the psychological moment has come when these can be brought together to advantage and, without losing their identity, become sections of a large parent association. President Pierson further states that the prospects for the convention point to a large and successful meeting and the greatest trade exhibition that has ever been gathered together.

The Trade Exhibition

The exhibition will be open to the public every evening at 7.00 p.m. and on Thursday from 2.00 p.m. until closing time. At all other times the exhibition will be closed to the public. An admission fee will be charged. Members are merely required to show their badges.

The meetings of the Society will also be held in the same building.

The Bowling

A. F. Vick, of the sports committee, requests that clubs holding trophies will communicate with him at once, stating whether these trophies will be forwarded by express or brought by the teams now holding them. He also is desirous that the captains of all teams will report at once, in order that some idea can be formed as to how many bowlers will attend, and that the prize lists can be made complete without further delay. Address A. F. Vick, care Vick & Hill Co., Rochester, N. Y.

The Grand Central Alleys, where the men's bowling will take place, will be refurnished for the occasion. These alleys are considered to be the equal of any in Rochester, and thoroughly uptodate.

After the handclasps of meeting and mutual felicitations on the continuance of remunerative business let us all get down to the work on hand and employ the very few hours permitted to that end in the endeavor to solve what must be near and dear to every loyal S. A. F. member—the physical benefit and moral improvement and uplift of our Society.

Our able president, Frank R. Pierson, one of the most capable business men ever called to the chair, his present leading position in the business world due solely to his own unswerving effort and keen, analytic mind, will undoubtedly give the members ample material on which to work. The points he advances must command our earnest attention and should, if possible, be threshed out and settled on the floor of this present convention.

If the vital issues presented should prove too complex we trust that the problems left unsolved will be entrusted to committees as proposed in our last issue—these to be composed of three, five or seven men, not all necessarily society members but men known to be progressive, to be selected from ten or more of the leading centers, said committees to report their suggestions or findings within six months from date, through their respective chairmen, gathered together at some central place of meeting as a committee of the whole to pass on the various suggestions thus advanced, eliminating all such as are deemed impracticable and to publish these conclusions three mouths in advance of the next August (1911) meeting in order that all may come prepared to intelligently cast their votes for or against these findings.

It may safely be argued that an agreement arrived at by so large a representative body as to future policy and government would come pretty close to being correct and meet with general approval.

F. S. A. F.

A member of the Society of American Florists has no way of expressing that fact except by writing the same out in full. If it was possible for Harry Smith, for instance, to sign thus: Harry Smith, F. S. A. F. (Fellow of the Society of American Florists), would not this distinctiveness be appreciated by the signer (we believe it would) and further, and more important, would not this designation confer a standing on the Society itself that would tend to make it better known? Also, would not this usage tend to bring the Fellows of the Society into closer fraternal relations? Carping critics may protest that this is aping foreign customs, but such criticism should carry little weight for the reason that all enlightened nations these days follow each other closely in all that makes for improvement and distinctiveness in whatsoever direction the case may lie.

The initials F. S. A. F., following a member's signature, would prove a first class asset for the Society itself in that it would make for continuous publicity; they should also serve as a credential of the writer's good standing in the horticultural world. In this recommendation, there is no desire in our minds to see the cost of the membership fee raised, but there does exist a strong feeling that this title should not be granted to anyone unworthy thereof and that all undesirables should be effectively barred from obtaining it.

Membership in the S. A. F. should continue to be just as simple a matter of obtainance as it is today. The granting of the degree, as it might be termed, should be regulated by a committee appointed for that purpose, working under certain well-defined rules; otherwise, the degree itself might soon fall into disrepute. The title should be open to men in good standing in the Society, who are also known to be of good commercial standing, honest in their business methods and above suspicion. Its bestowal should not cost any money and there should be no restriction as to the number of years in the Society before its being granted.

The Advertising Market

Robert Kift said at Philadelphia, last week, speaking of the advertising columns of the trade press, "Buying and selling in this market *does* pay, as is evidenced by the men who are seen there constantly and who are recognized as leaders in their respective lines."

The correctness of Mr. Kift's statement is evidenced in the overflowing columns of business opportunities shown this week through the acumen and sagacity of the leading florists, seedsmen and nurserymen of America, all of whom we heartily thank for this tribute of confidence in the market under the operation of The Florists' Exchange.

We commend our readers' thoughtful and thorough perusal of this issue, assuring them that here collected within easy access they will find offered practically everything they may need for the successful handling of their own business.

Mr. Kift further said that copies of each week's issue, preserved and bound in volumes, present a history of the business of the country invaluable for reference and highly prized by those fortunate to have them. We compile a carefully prepared index, every six months, of the contents thereof; this index and the twenty-six copies can be bound with cloth back and heavy paper sides, in any part of the country, for from 35c. to 50c., and its value for reference, as Mr. Kift truly says, is invaluable.

Many of our subscribers do now preserve their numbers—we wish *all* would do so, for their own use and for the sake of those who come after them.

Don't part with this particular number—preserve it; it is well worth saving. Also, keep all which follow.

Once more, we thank our advertisers for their confidence and their patronage. We believe they will find many buyers in the market they present.

A Favorable Augury for Parcels Post

As against a deficit of $17,480,000 for the year ending June 30, 1909, Postmaster-General Hitchcock reports for the twelve months ending June 30, 1910, a deficiency of but $5,970,000, and expects shortly to place his department on a self-supporting basis.

If the Department will inaugurate Parcels Post through the Rural Free Delivery it would shortly be placed on a money-making basis. With the above favorable showing the advocates of a real Parcels Post delivery should pick up fresh courage.

Obituary

Luther R. Fuller

Luther R. Fuller, 66, died at his home on Green st., Shelburne Falls, Mass., on Monday, August 1. Mr. Fuller had been in poor health during two years. He had been in the employ of H. S. Swan Co. for 45 years, and for the past 12 years had kept a greenhouse on Green st. He leaves a widow, daughter and two sons.

Alexander D. Turnbull

Alexander D. Turnbull, a florist of Carbondale, Pa., died, on July 15, after an illness of one year with nephritis. He had been engaged in the florist business for the last 16 years. He is survived by a wife, three sons and a daughter. He was 45 years of age, very active and ambitious. He was a member of the I. O. of Heptasophs. His widow will continue the business.

Edwin J. Herbert

Edwin J. Herbert, 60, a resident of Dayton, O., for the past two years, died at noon on Tuesday, August 2, at his residence, 2815 East Fifth st. He was born Oct. 15, 1850, at Cincinnati, but spent many years of his life in Oxford, working at his occupation of florist. Prior to his removal to Dayton he lived seven years at Middletown, working at his trade. Since his removal to Dayton he had not been in active work. Surviving him are a widow and seven children.



I. S. Hendrickson of Floral Park, N. Y. President | E. H. Cushman of Sylvania, O. Vice-President | L. Merton Gage of Orange, Mass. Corresponding Secretary | H. Youell of Syracuse, N. Y. Financial Secretary.

Officers of the American Gladiolus Society

The American Gladiolus Society

The Society badge of the American Gladiolus Society will be furnished to all members who attend the Rochester meeting; apply to the secretary at Convention Hall.

President Hendrickson has appointed the following committee on awards: Prof. L. B. Judson, Ithaca, N. Y.; Michael Keller, Rochester, N. Y.; Al. Salter, Rochester, N. Y.

L. MERTON GAGE, Corres. Sec'y.
L. MERTON GAGE, Cor. Sec'y.

Officers of the American Gladiolus Society

Isaac S. Hendrickson, the president, is manager of the wholesale department of the business of John Lewis Childs, Floral Park, N. Y. He entered the employ of Mr. Childs in 1887, at the age of 12, and has been in practically every department of Mr. Child's great business since. He was made manager of the wholesale department eight or nine years ago. He has been particularly interested in Gladioli, and has been instrumental in bringing these flowers into prominent notice by exhibiting whenever an opportunity offered. He is more than ordinarily well posted upon varieties, and his assistance in straightening out the nomenclature will be most valuable.

E. H. Cushman, vice-president, Sylvania, O., has always been interested in flowers, and as a boy helped to grow a few varieties of Gladioli purchased at a leading seed store in Cleveland. These were admired by all who saw them and as they increased were sold to the town's people. His early business life was devoted to growing fruit, principally Grapes and berries. In 1892 he resolved to take up the culture of the Gladioli and other flowers. This change was largely influenced by seeing the beautiful Gladioli grown by Matthew Crawford of Cuyahoga Falls, O. In the Spring of 1893 he bought and planted quite a large stock of bulbs. That being the year of the Chicago World's Fair he determined to make a show at that greatest of expositions, and for three months kept up a continuous display of fresh cut spikes. It is believed that this was the first display of the kind made by any grower in America. He showed the leading named varieties of the day and a large and choice collection of seedlings. For the excellence of the display he was awarded a medal. In 1894 he made an exhibit of a few vases of Gladioli at the trade exhibition of the S. A. F. held during its meeting at Atlantic City. For this display he was awarded the highest honors of the Society. It was at this time that he brought prominently before the Gladiolus buyers the beautiful variety May, which has become one of the standard light varieties of commerce. This was grown from seed by Mr. Crawford and named by him. As a grower of seedlings Mr. Cushman has had a large experience. He has grown bulbs from seed purchased of nearly all the prominent growers of Europe, and of his own saving from his best stock, as well as some cross fertilized seed. One season he planted, by actual weight, a little over 100 lbs. of seed. He has saved and propagated many beautiful varieties, but not one has he felt to be worthy of introduction. He is a severe critic of his own seedlings. He has seen the best collections of America, and European countries, and not until he finds a variety of decided merit will he be willing to place it before the public. He expresses the hope that the new Society will be so effective that it will act as a screen in preventing the introduction of many varieties that are not specially desirable. If it does this and clears up the present nomenclature, he thinks it will have done a work worthy of its promoters.

L. Merton Gage, secretary, Orange, Mass., worked for a short time at the florist trade, but was obliged to give it up on account of poor health. It was then that he decided to devote his attention to Gladioli, as this would give him an opportunity to be outdoors. He became interested in the Gladiolus in 1900, through seeing a fine collection of Lemoinei varieties and seedlings of Mathew Crawford, in the garden of Mr. A. E. Manum at Bristol, Vt., Mr. Gage's native town, where he was born on July 21, 1866. For the past nine years he has been working up his collection, buying and exchanging with growers, specialists and amateurs from all parts of the world. His collection consists of every known strain of hybrids and many rare species, besides some choice hybrid seedlings of his own raising. He enjoys the work of growing seedlings and says the anticipation it brings one makes it extremely interesting. He is still in the amateur ranks, but hopes soon to launch out commercially.

Henry Youell, financial secretary, Syracuse, N. Y., was born at Gt. Yarmouth, England, in 1844, his father being at the head of the firm of Youell & Co., the Royal Nurseries, established by his grandfather in 1805. At the age of 12 he began to learn the business thoroughly, beginning at the bottom, like any boy, earning 62 cents a week. He grew up, as it were, with the Gladiolus, Gandavensis being sent out a few years previously; then the firm acquired Brenchleyensis, which they disseminated later, but not until a very large stock had been worked up—then every flower show received a generous supply, and people were completely carried away with the brilliance of the type; as every new variety appeared large stocks were purchased and grown on, so that he was well posted on every variety. He has always been enthusiastic over flower shows; at the age of 15 he captured a first prize against strong competition. His motto is and has been "Printer's ink and flower shows for a good business proposition," and from his long practical experience he is certain that success will attend those who follow the policy of his motto.

Readers' Views

The Sherman Nursery Co.

Editor The Florists' Exchange:

I note the clipping from the Nora Spring's Paper in your issue of July 23, page 117. In response to your inquiry with regard to this would say that it is only true in part. The facts are that H. G. Patten, who has for some time been the business manager of the nursery firm of C. G. Patten & Son, has withdrawn from the business management of that firm and accepted the position of superintendent of grounds for our company. E. C. Patten, a younger son of Mr. C. G. Patten, has taken charge of the office work of the firm of C. G. Patten & Son, but H. G. Patten still retains his interest in the orchard belonging to the firm of C. G. Patten & Son.

The firm of C. G. Patten & Son and the Sherman Nursery Company are entirely distinct institutions.

Trusting that the above information may be of interest to your readers, I remain,

Yours truly,
E. M. SHERMAN, Pres. Sherman Nursery Co.
Charles City, Ia., Aug. 2, 1910.

International Floral Association

A full-page advertisement appeared in our issue of August 6, and will also be found duplicated in this, covering the announcement of a new enterprise—the International Floral Association—the intentions and aims of which, if carried out in working practice, will undoubtedly mark time and an epoch in the florists' business since its ultimate design is to bring retailers into the closest trade connection the world over, wherever they are to be found. The statement that this wide field is open for business relations and the filling of orders for cut flowers and made-up pieces from one part of the world to another, cannot stand contradiction. The business is ready for transaction just the minute the public of the continents are given to understand that it can be faithfully and intelligently carried out. To effect this, wide measures of publicity will be required, and that is a small proposition these days if the necessary trade support be forthcoming.

We have investigated the financial and business standing of the controlling party in this enterprise, and the results have been all that could be desired. The enterprise appears to be one which will court the fullest investigation and we believe it to be worthy the careful scrutiny of those retailers who have a view to their own personal business betterment.



Annual Outing of the Indianapolis Florists' Club at Bertermann's Grove, Aug. 4, 1910.

FERNS

NEPHROLEPIS SCOTTII

THE LARGEST AND FINEST STOCK IN AMERICA

Nephrolepis Scholzeli Nephrolepis Exaltata Bostoniensis
Cibotium Schiedei

Kentia
Phœnix
Areca

PALMS

Kentia
Phœnix
Areca

PANDANUS—Veitchii and Utilis.

DRACAENAS—Terminalis, Indivisa, Massangeana, Lindenii.

ASPARAGUS PLUMOSUS POINSETTIAS

ASPIDISTRA VARIEGATA

ARAUCARIA EXCELSA

THE BIRTHPLACE AND HOME OF
NEPHROLEPIS SCOTTII

JOHN SCOTT

Rutland Rd. and East 45th St., BROOKLYN, N.Y.

SOCIETY of AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

TWENTY-SIXTH ANNUAL MEETING AND EXHIBITION

Officers of the S. A. F. and O. H.

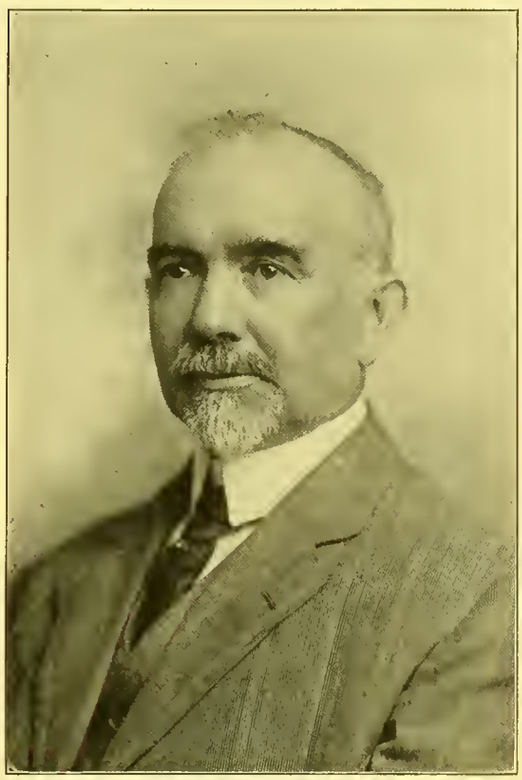
President
F. R. PIERSON, Tarrytown-on-Hudson, N. Y.

Vice-President
F. W. VICK, Rochester, N. Y.

Secretary
H. B. DORNER, Urbana, Ill.

Treasurer
WM. F. KASTING, Buffalo, N. Y.

Executive Board
For One Year.—George Asmus, John Young
For Two Years.—W. J. Vesey, Eugene Dailledouze.
For Three Years.—W. N. Rudd, Robert Craig.
Ex-Officio.—J. A. Valentine.



Frank R. Pierson of Tarrytown, N. Y.
President S. A. F. and O. H.

TO BE HELD AT ROCHESTER, N. Y.

August 16 to 19, 1910

Officers and Committees of the Commercial Florists' Association of Rochester

President, F. W. VICK.
Vice-President, E. P. WILSON.
Secretary, H. B. STRINGER.
Treasurer, W. L. KELLER.
Local Sports Committee—A. F. Vick, Chairman.
Shooting—R. G. Salter, Chairman.
Ladies' Committee—Colin B. Ogston, Chairman.
President's Reception—Geo. B. Hart, Chairman.
Transportation Committee—E. S. Osborne, Chairman
Decoration Committee—F. J. Keller, Chairman

Preliminary Program of the Business Sessions

Tuesday, August 16, 1910

Opening Session

2:00 p. m. Address of Welcome—His Honor, H. H. Edgerton, Mayor of Rochester.
Address of Welcome—Geo. Deitrich, President Chamber of Commerce.
Response—Mr. Robert Craig.
President F. R. Pierson's Address.
Reports of Officers, Committees, etc.
Report of Committee on President's Address.
Discussion.
Miscellaneous Business.
Judging of Trade Exhibits.

Evening Session

7:30 p. m. President's Reception.



Fred. W. Vick of Rochester, N. Y.
Vice-President S. A. F. & O. H. and President Commercial Florists' Association of Rochester.

Wednesday, August 17, 1910

Morning Session

9:30 a. m. Use of Cement with Especial Reference to Greenhouse Construction—Edward D. Boyer, Cement Expert, Atlas Portland Cement Co.
Discussion.
Value of Experiment Stations to Ornamental Horticulture—W. N. Rudd.
Discussion.

11:00 a. m. Selection of Next Meeting Place.
Nomination of Officers for 1911.
Report of Judges of Trade Exhibit.
Annual Meeting Ladies' Society of American Florists at Seneca Hotel.

Afternoon Session

2:30 p. m. Retail Florists' Association J. A. Valentine.
Discussion.
The National Flower Show—J. K. M. L. Farquhar.
Discussion.

Evening Session

8:00 p. m. Illustrated Lecture, John Dunbar, Assistant Superintendent of Parks, Rochester, N. Y.
9:00 p. m. Ladies' Reception at Seneca Hotel

Thursday, August 18, 1910

Morning Session

9:30 a. m. Sectional Meetings.
Retailers' Section.
American Carnation Society.
American Rose Society.
National Sweet Pea Society.
Florists' Hail Association.
Gladiolus Society.

11:30 a. m. Election of Officers. Polls to remain open two hours.

Afternoon—No Session

Bowling Contest and Other Sports.

Evening Session

8:00 p. m. Symposium on Greenhouse Heating—Speakers to be announced later.
Discussion.

Friday, August 19, 1910

In the hands of the Rochester Florists' Club.

Local Entertainment Arrangements

The executive committtee of the Rochester Florists' Association met on Friday evening, August 5, and settled all details in connection with the program of entertainment for those in attendance at the convention. Visitors will secure from H. B. Stringer, secretary of the Association, tickets for the different entertainments.



W. F. Kasting of Buffalo, N. Y.
Treasurer S. A. F. and O. H.



H. B. Dorner of Urbana, Ill.
Secretary S. A. F. and O. H.

Program

Tuesday

President's Reception, Seneca Hotel, 7.30 p.m. Band concert by the 54th Regt. Band, Convention Hall, 8 p.m.

Wednesday

Ladies' Auto Ride, through the parks and principal residential streets of Rochester, starting from Seneca Hotel at 2 p.m. Refreshments in the Genesee Valley Park Refectory.

Thursday

Ladies' Reception, Seneca Hotel, 8 p.m.

Band Concert, Convention Hall, 8 p.m.

Ladies' Bowling, Elm Alleys, Elm st., 10 a.m. Men's Bowling, Grand Central Alleys, South ave., 1 p.m. Men's Shooting, Riverside Gun Club, Genesee Valley Park, 3 p.m.

Band Concert, Highland Park, 3 p.m., by the Park Band, through the courtesy of Mr. Wm. C. Barry, vice-president of the park board, and chairman of the Highland Park committee.

Band Concert, by the 54th Regt. Band, Convention Hall 8 p.m.

Friday

Outing to Manitou Beach. Cars will leave Convention Hall at 11 a.m., and leave Manitou on the return trip at 7 p.m., thence to Ontario Beach Park.

Base Ball Game, S. A. F. vs. Rochester Florists' Assn., 1.30 p.m. Sports will be indulged in as follows:

Sports

Snail race; backward running race; pipe race; elephant race; time race; blind man's race; three legged race; fat man's race, 200 lbs. and over; ladies' 50-yd. dash; girls' 50-yd. dash; boys' 50-yd. dash; shoe race, open. Suitable prizes will be offered.

Bowling Tournament Prizes

The list of prizes for the bowling tournament is as follows:

Silver cup, by Grand Central Alleys. Silver cup, by J. C. Vaughan, New York and Chicago. Silver cup, by Henry A. Dreer, Inc. Gem Junior safety razor, by Weaver Hardware Co. Art pottery vase, by H. B. Graves. Gent's silk umbrella, by Sibley, Lindsay & Curr. Lady's gold pin, by S. D. Burritt. Picture, by Scranton Wetmore & Co. Kodak, Brownie No. 3, by George Eastman. Scarf pin and cuff button set, by J. R. White & Co. Stick pin and cuff buttons, by Wm. Kennedy. Case O. F. C. whiskey, by New York and Kentucky Co. Case Sherwood whiskey, by Fee Bros. Silver water pitcher, by Harry Balsley. Gillette safety razor, by Weaver, Palmer & Richmond.

Great credit is due to A. F. Vick, chairman of the bowling and sports committee, for the manner in which he has taken care of his part of the work; practically all the prizes were obtained through his personal solicitation.

A reception committee, to meet the trains, will be appointed on Monday next.

The badge of the R. F. A. and tickets for the entertainments, together with the souvenir book, will be handed to visitors at Convention Hall, at the time of registration.



E. P. Wilson
Vice-Pres. Commercial Florists' Association of Rochester



Convention Headquarters—Seneca Hotel

Seneca Hotel

This handsome fireproof structure has been selected as the headquarters of the S. A. F., and is but a few steps from Convention Hall on South Clinton ave. It was built about four years ago and is, perhaps, the finest hotel in the city. Centrally located, and in the heart of the theatre district, it is a hotel which appeals to travelling men and vacationists alike. It is in close proximity to Main st. and the many large stores. The New York Florists' Club will have its headquarters here also, the entire sixth floor having been reserved for its use.

The secretary has received notice from the St. Louis Florists' Club that an invitation will be extended the Society to hold its 1911 meeting in St. Louis.

Badges have been mailed to all members who have paid their dues. Do not forget to bring them to the convention as two badges will not be issued on one receipt.

From the reports and letters received the attendance at the coming convention promises to be the largest in the history of the Society.

A. L. Miller, vice-president from Eastern New York, says that about 200 from New York City will attend the meeting.

The executive board recommends that the Society hold a special meeting at the time of the National Flower Show in Boston. H. B. DORNER, Secretary.



John Westcott of Philadelphia
Chairman S. A. F. and O. H. Sports Committee

National Sweet Pea Society

There will be a meeting of this Society at Rochester at 9 a.m. (place to be announced later) on August 18. This is in response to a request from the secretary of the S. A. F. to such societies as wish to hold a meeting at the annual convention in Rochester, and is in accordance with the resolutions passed by the executive committee of the S. A. F. at their Spring meeting.

HARRY A. BUNYARD, Sec'y.

New York, Aug. 5, 1910.



W. L. Keller
Treasurer Commercial Florists' Association of Rochester

National Flower Show

The National Flower Show committee will maintain an office at the exhibition hall during the time of the convention. The office will be in charge of Chester I. Campbell, who has been appointed manager of the coming show.

Rochester Hotels and Rates

The following rates have been furnished to the S. A. F. Secretary by the Hotels listed below:

Seneca Hotel, Clinton ave. South. (Headquarters.) European plan. Single rooms, $1.50; Single rooms, with shower, $2; Single rooms, with bath, $2.50; Double rooms with bath, $4.

Powers Hotel, Main st. West. European plan. Single room, with or without shower, $1.50 to $3; Single room, with tub baths, $2 to $4. Two or more in room at reduced rates.



Mrs. John V. Phillips
First Vice-President L. S. of A. F.

Osburn House, 104 South ave. American plan. Rates from $2.50 to $3.50.

Hotel Eggleston, 139 Main st. East. European plan. For men only. Single room, without bath, $1; Single room, with bath, $1.50 to $2; Double room, with bath, $2.50 to $3.

Hotel Rochester, Main st. West. European plan. Single room, $1.50; Single room, with shower, $2; Single room, with bath, $2.50 and $3.

Whitcomb House, 209 Main st. East. European plan. Rates: $1.50 to $3, with bath; $1 to $2.50, without bath.

These hotels are strictly first class, modern hotels, unsurpassed by any in America for a town the size of Rochester.



Mrs. Albert M. Herr
Treasurer L. S. of A. F.



Miss Matilda Meinhardt
President L. S. of A. F.

The Ladies' Society of American Florists

This Society, organized in 1906, held its first meeting during the S. A. F. convention in Philadelphia, in 1907, at which meeting a constitution and bylaws were adopted. At the Niagara Falls convention in 1908, and at Cincinnati in 1909, the influence of the organization was felt in the sociability which it promoted at these gatherings; and at the forthcoming convention at Rochester the Society will again figure prominently in the social entertainment. The officers for 1909-10 are as follows: President, Miss Matilda Meinhardt, St. Louis, Mo.; first vice-president, Mrs. John V. Phillips, Brooklyn, N. Y.; second vice-president, Miss Margaret Vesey, Fort Wayne, Ind.; secretary, Mrs. Chas. H. Maynard, 219 Horton ave., Detroit, Mich.; treasurer, Mrs. Albert M. Herr, Lancaster, Pa.

Members will find the secretary at Convention Hall all day Tuesday, Aug. 16. Please come and get your badges and tickets for reception and dance, Wednesday evening, Aug. 17.

Directors' meeting at 9.30 a.m., Aug. 17, and annual meeting at 10.30 a.m., Aug. 17.

Don't forget your badge pins.

MRS. CHAS. H. MAYNARD, Sec'y.

Prominent Members C. F. A. of R

F. W. Vick

Fred Vick, vice-president of the S. A. F., has been interested in the growth of Rochester's horticultural business for the past twenty-five years, and is now president of the Vick & Hill Co., a concern which does the largest wholesale and retail florist business here. When the local florists' club organized about two years ago, he was unanimously chosen its president, succeeding himself the following year after a remarkable growth in the membership. Early in life he showed marked musical ability, and became a member of several musical organizations, eventually joining the 54th Regiment band, of which he has been president for a number of years, and which is Rochester's leading band.

His election as vice-president of the S. A. F. came about without his solicitation, events proving the Society's choice to have been a wise one. Mr. Vick is a prominent Mason, and in the work of this order as in all other things he undertakes, he displays a personality and energy which wins for him many friends. He has been a member of the S. A. F. for many years, and is very enthusiastic in speaking of the benefits received during his connection with that body. He is quiet and unassuming, yet has a capacity for work and detail which would mark him as a leader in any line of business.

C. H. Vick

Charles H. Vick, superintendent of trade exhibits, is so well known that to find anything new to write about him is practically impossible. Those who come in contact with him during the convention will find in him one most capable for his office. His efforts to bring the convention to Rochester are well remembered, and he has labored unremittingly to make the convention a success, as it undoubtedly will be. He is, perhaps, most widely known as president of the firm of Jas. Vick's Sons, seedsmen, whose products go all over the United States. His work as chairman of the souvenir album committee has been most marked, and in the opinion of those who have seen it the publication is the best of its kind ever attempted.

E. P. Wilson

As vice-president of the local florists' association Mr. Wilson fills an important position, and his office as chairman of the music committee in connection with local arrangements for the entertainment of the visitors to the S. A. F. convention is one which he can fill very satisfactorily. He has had charge of his father's main store at 81 E. Main st. for a number of years, and is popular in many ways with the public and his employees. His ability as a manager early marked him as a leading store man, the success of the retail business of H. E. Wilson being due in no small measure to his efforts.



Mrs. C. H. Maynard
Secretary L. S. of A. F.

W. L. Keller

W. L. Keller, the junior member of the firm of J. B. Keller sons, is the efficient treasurer of the local florists' association, and he makes a good one, both as regards collecting dues and paying bills, particularly the former, in which he is adept, adding materially to his treasury. He was formerly a New York State vice-president of the S. A. F., of which body he has been a member for many years. Socially he is much liked, and one of his hobbies is driving a fast horse.



Entrance to Geo. Eastman's Residence



Nathan R. Graves
Souvenir Album Committee



E. Fred Rowe
Chairman Press and Program Committee



Charles Suhr
Trustee Commercial Florists' Association of Rochester



H. B. Stringer
Secretary Commercial Florists' Association of Rochester

H. B. Stringer

Mr. Stringer has been the right hand man of Geo. B. Hart for several years and is, naturally, well known to all the local florists. He is the secretary of the Rochester Florists' Association, an office which he fills with the greatest satisfaction to its members. Those who come in contact with him will find him ready to extend courtesies in every direction, in this respect having won the high regard of all with whom he comes in business contact. He is the local correspondent of The Florists' Exchange.

R. G. Salter

"Dick" Salter, as he is familiarly called, is chairman of the shooting committee, a position he can well fill as his hunting ability is, in trade circles, much commented upon, especially when the wild duck fly over the waters of Lake Ontario. He is the senior member of the firm of Salter Bros., one of Rochester's old-established florist firms. He is prominent as a member of the Rochester Whist Club, and several Masonic bodies. He has been a member of the S. A. F. for many years. As a young man he had much to do with the early development of the retail trade in Rochester. He is quite a home man, devoted to his family, with whom he spends all the time he can spare from his business.

J. M. Keller

This gentleman is better known, perhaps, to all local florists by his cognomen "Mike." In his charge will be the ball game and other sports during the day when the convention visitors will be in the hands of the Rochester florists, and all will agree that he is an all round "good fellow." Fond of sport of every description, and sociable to a degree, he has friends everywhere, his generosity and love of fair play insuring for him a large share of respect and esteem. As an employer he ranks high, his ability to make good in business is only held in check by the seasons. He is a prominent local Shriner, and was recently selected as a delegate to the meeting at New Orleans, a mission which he, with others, made notable by securing the Shriner's convention for Rochester next July, no small task, as those in the swim well know. He is a man who aims to succeed in whatever he undertakes, whether in pleasure or business, and this quality augurs well for the S. A. F. delegates next Friday at Manitou Beach, where he will be in the limelight as chairman of sports. He is a member of the firm of J. B. Keller's Sons, and has charge of the firm's greenhouses, herbaceous and landscape departments.

A. F. Vick

This young man is the son of Vice-President Fred Vick, and is prominent in the doings of Rochester's florist craft. Full of energy, he has been successful in mapping out a line of warfare for the visiting bowlers to meet who will have to "show him," before getting away with any coveted prizes or cups. He is a good, clean sport, and at the Grand Central bowling alleys the vistors will find in him an efficient and capable overseer. He is associated with the Vick & Hill Co. at Barnard's, where he has been with his father for many years, and his standing with his fellow workmen is of the best, his geniality making for him many friends. He has been to many S. A. F. conventions and considers it a high privilege to be a member of the national society.

F. J. Keller

This gentleman is the senior member of the firm of J. B. Keller Sons and is chairman of the committee on decorations. For this office no more able man could have been chosen, as his work in the past twenty-five years has marked him as Rochester's most able decorator. Quiet, unassuming, yet withal, a successful business man, he has ever in mind the best interests of those connected with him. He is very domesticated in his tastes and nothing suits him better when the day's cares are over than the home circle and the enjoyment it brings. He has taken a keen interest in the plans making for the welfare of the S. A. F. during its sojourn in Rochester next week, and those who meet him will find a most congenial friend.

E. F. Rowe

E. F. Rowe, chairman of the printing, program and press committee, is a young man thoroughly familiar with his work, he having been in charge of the printing department of Jas. Vick's Sons for several years. To him should be given the credit for the arrangement and actual printing of the souvenir album, a publication of which he says he will be proud.

E. S. Osborne

This well known nurseryman is the treasurer of the Charlton Nursery Co., a concern which came into existence a few years ago, through his ability and activity. He is chairman of the transportation committee, and as such is well qualified for his duties. He is very active in all that pertains to the well being of the horticultural business and prominent in the American Ass'n of Nurserymen, as well as in several local Masonic orders. During the many extensive trips made in the interests of his business he has made many friends, and his routes have extended from New York to California. As a business man he is held in high esteem.

C. B. Ogston

C. B. Ogston, chairman of the ladies' committee, is just the man for the office, not that he is a "ladies' man" by any means, but he has had much experience in conventions, shows, etc. and knows "the wherefore." He is conspicuous in Rochester's horticultural life as a prominent private gardener, having full charge of the greenhouses of Mrs. W. S. Kimball on Caledonia ave., where is located the famous Kimball collection of Orchids. The results he has obtained with Orchids, as well as other things in floriculture, have proved his ability, his display during the annual flower show held here causing no end of wonderment. Visitors to the Kimball greenhouses always see much of an educational character. He is well known outside of Rochester, his views and opinions having been sought by the press and many of his fellow craftsmen.



F. J. Keller
Chairman Decorative Committee



E. S. Osborne
Chairman Transportation Committee



A. F. Vick
Chairman Local Sports Committee



Colin B. Ogston
Chairman Ladies' Committee

Rochester, the Convention City



Convention Hall. Here the S. A. F. will meet and the Trade Exhibition be held

THE Seneca Indians, the strongest branch of the Iroquois, whom DeWitt Clinton termed "the Romans of the Western world," had not totally abandoned their hunting grounds in the State of New York a hundred years ago, and dispirited bands of the vanishing race were roaming over lands on which is now located the city of Rochester. Research has proved that the Iroquois, or Mingo, were the dominant race on this continent previous to the arrival of the white man. They were the acknowledged masters of all east of the Mississippi when the Europeans arrived, and their origin is still ensbrouded in mystery, and will forever remain so to their successors. That they had many ideas in advance of their white brothers, who are exterminating birds, beasts and fish, may be inferred from the fact that they once made war on the Illinois and nearly destroyed them, because they had violated the game laws of the hunting nations, in not leaving a certain number of male and female beavers in each pond. That the Senecas were highly endowed with moral and mental attributes is strongly testified to by historians, in speakin of which one writes, "Nowhere in a long career of discovery, of enterprise and extension of empire, have Europeans found natives of the soil with so many of the noblest attributes of humanity; moral and physical elements which, if they could not have been blended with ours, could have maintained a separate existence and been fostered by the proximity of civilization and arts." The welcome and friendship shown by these Indians to the early settlers made progress the more easy, and while they may have been called savages, their savage traits became manifest only after the white man had assaulted, deceived or otherwise treacherously ill-used them, and they retaliated in their savage manner only after their freely offered hospitality, friendship and peace had been cruelly abused.

There were several of the principal villages of the Senecas east and south of what is now known as Irondequoit Bay, and the whole of the Genesee country was a favorite region with the tribe. Father Daillon, a French missionary, passed the Winter of 1626 with the Indians, between the Genesee and Niagara rivers, and was probably the first white man to enter western New York. From that time on short visits were made by Frenchmen, and the ultimate invasion by the French Governor-General from Canada, in 1687, was the commencement of the downfall of the Senecas, and thenceforward their decline was rapid.

The Indians did not understand the nature of the conflict between the United States and England, and on June 14, 1776, the "Six Nations" made a treaty with General Schuyler to remain neutral during the war period, but, unfortunately for them, they were coaxed by the British to forego this treaty, took sides with them and so harassed the forces of Washington and Schuyler that those generals penetrated the Genesee country with thousands of men, dispersing the Indians, and laying waste to their houses and plantations in southern and western New York, the Indians never again taking the field in the war. It is noted that at this time the Indian orchards contained Apples, Peaches and Plum trees, which had been introduced by the French missionaries. A French writer of that day stated that "Western New York was capable of bearing all the fruits of Touraine and Provence." Since that time the golden orchards of New York State would seem to have sufficiently justified that statement.

After the Revolution, Oliver Phelps and Nathaniel Gorham bought 2,600,000 acres of land, including the site of Rochester, from the State of Massachusetts and the Indians. These men in turn sold to Robert Morris, for eight pence per acre, 1,264,569 acres. Morris afterwards sold this land to a party of prominent Englishmen. The land on the site of Rochester that was not sold by Phelps and Gorham to Robert Morris was a tract of 100 acres, which they had previously transferred to Ebenezer Allan on condition that he build a mill on it, but he sold out his claim. However, it is conceded that he was the first Caucasian who made any attempt to settle at the Falls of the Genesee, and his name must forever be associated with the earliest historical events occurring in the city of Rochester. His reputation was not of the best, but he was endowed, in a great measure, with originality, and was above the average man in intelligence. It is related of him that he not only built the first saw mill and flour mill in Rochester, but that he was a blacksmith and gunsmith to many of the inhabitants of the wilderness, and later in life assumed the role of "peace commissioner." He was the first to cultivate land at the junction of the Genesee river and Allan's creek, named after him. His flour mill was completed about the close of 1789. Judging from the millstones, he must have had considerable knowledge of the millwright's art. From all appearances these stones weigh fully 600 pounds each, and they are now incorporated in the wall of the first gallery of the new court house, where for years to come they will be a reminder of the pioneer days of a now prosperous and growing city.

From the foregoing one can imagine the extent of the land over which the red man held sway, until he was dispossessed by the ancestors of those who now occupy the country. Nearly twenty years passed between the construction of Allan's mills and the commencement, by those who followed him, of the improvements that have made Rochester one of the most important cities of America.

The purchase of the 100 acre tract by Chas. Carroll, William Fitzhugh and Nathaniel Rochester, may be said to have constituted the boundary between the era of wilderness and the founding of the city of Rochester.

Nathaniel Rochester was born in Virginia, and was a lieutenant-colonel of militia in North Carolina, but was compelled by illness to retire from active service in the field. He moved to New York State in 1810 and became the first county clerk of Monroe county and member of the Assembly. He died in Rochester in 1831. Chas. Carroll lived in Maryland, and his father had been owner of the site of Washington, D. C. He died in Groveland N. Y., in 1837. Wm. Fitzhugh, a colonel in the Continental Army, was the son of a British army officer. He died in 1839. In September, 1800, these three men left Maryland on horseback, for a visit to western New York, but not until a subsequent visit in 1802, when their attention was called to the water power, did they reach Rochester, crossing the river at the Court st. ford, and making their way to what remained of Allan's mill. Upon noting the natural advantages of the place, they secured the 100 acres, paying for the same $1750, payable in five payments. In 1811, Colonel Rochester began to define the boundaries of lots in the tract, those first surveyed being on the lines of what are now Main and State sts. The first lot he surveyed was at the northwest corner of these streets, and was No. 1 on the map of the hamlet which, at the suggestion of Carroll and Fitzhugh, was called Rochester.

From this beginning, the development of the future



The Four Corners—Rochester's Busy Center



View of Upper Genesee River from River Bend Inn

city was rapid. Other settlers came, lots were sold, houses erected, mills built, until the second war with England was commenced. Owing to the proximity of the settlement to the exposed lake front, the war had the effect of temporarily checking the growth of the hamlet. In 1813 the site on which now stands the Court House was cleared of forest. Upon the establishment of peace the growth of the settlement continued and there has been no interruption in development since.

In 1816 the first newspaper was issued; it was a weekly and named the "Rochester Gazette." The first steamboat to touch at the port of the Genesee began running the next year. Roads were built to Batavia, a paper mill established and a Masonic lodge instituted. At this time the value of exports to Canada, from the river, reached nearly half a million dollars per annum. In 1819 surveyors were at work making a survey around Rochester for a route for the Erie Canal, and it was but eight years and a few months after commencing the actual work on this waterway before boats were able to pass from Lake Erie to the Atlantic. In 1826 the seventh census showed a population of 7669, a rapid increase since the first census was taken, in 1815, when the population was 331.

Rochester became a city by an act of incorporation passed by the Legislature in 1834. During the decade between 1850 and 1860 the city grew apace. Commercial prosperity was enjoyed by the country, until the Civil War. The city being the adopted home of Frederick Douglas, it was naturally a hot bed of anti-slavery ideas, and to its credit be it said that no slave owner found among its residents much sympathy in his human traffic; and when the hour for the supreme test arrived the soldiers of Rochester sealed with their blood the protest which had been made against the ownership of man by man.

Two very great floods in the city's history resulted from the overflow of the Genesee's waters, both within the memory of men still living, one in the year 1835, the other in 1865; both did damage to bridges, streets, dwellings, factories and other property, amounting to millions of dollars. The fall of the river within the bounds of the city is at least 250 ft. In its course are four "falls," one of 18 ft., another of 92 ft., another of 26 ft., and the fourth of 96 ft. In addition to the falls there are the rapids. The banks of the river within the city and above the upper falls are low. Below the falls they are from 100 ft. to 200 ft. in height.

Rochester is celebrated for its parks. The principal parks are Genesee Valley, Seneca, South and Highland, but there are several smaller plots commonly called squares, of from two to seven acres in extent, which are to be found in various parts of the city. We must not forget the recent gift of the Durand-Eastman park, of about 400 acres, situated on the shores of Lake Ontario.

The area within the city limits of Rochester is now nearly 14,000 acres, and the location is about 512 ft. above sea level. The maximum average temperature for the second ten days in July during the past 33 years was 70.7°. The average for August has been 68° and for September 61°. These are ideal conditions for a Summer resort—which Rochester has become.

There are now about 100 miles of street car tracks within the city limits, and all of its streets are lighted by electricity. The city possesses nine ordinary highway bridges across the river, besides the foot path on the Aqueduct; and the Erie, New York Central, the Rome, Watertown and Ogdensburg railroads each have a bridge.

The city is within easy distance of many places of interest, and the travel to the various watering places is quite heavy during the Summer months. Boating and fishing are easily available, and are enjoyed by thousands; while for those who enjoy sailing the winding waters of the Genesee present an opportunity over a distance from near the river's fountain head to Lake Ontario.

For those who enjoy theatrical entertainment, a number of theatres are open daily; while no city in the base-ball leagues is considered such a patron of the national game as Rochester. There are plenty of hotels, many of them sufficiently modern to meet the wants of the most fastidious. Several good libraries are established, most of them free to the public, both for the circulation of books and consultation purposes.

As a manufacturing city, Rochester stands well in the front rank, and the great flour industry that originally engaged most capital in the early days is still quite prominent, Rochester flour being well known in the markets of the world. The manufacture of shoes and clothing engages millions of dollars in these industries. Here, too, are located the largest factories in the world turning out optical goods and photographic necessities; and in the development of the seed and nursery business the city takes front rank, so much so that it is commonly referred to as the "Flower City."

Rochester is the home of many well known horticulturists, who have been largely instrumental in bringing to the notice of the nation the climatic advantages possessed by the city, resulting in the establishment of an immense horticultural business. Among the men whose names have figured prominently in the horticultural field are Jas. Vick, who established the first mail order seed house in the country in 1849, since which time the house, now conducted by the firm of James Vick's Sons, has grown to be known in every State; and Patrick Barry and George Ellwanger, who, about 1845, formed a partnership for the purpose of conducting a general nursery business, the reputation of which firm, Ellwanger & Barry, needs no comment at this time. Following these houses came a large number of nursery, plant growing and seed raising establishments, the development of which resulted in the change of its adjectival title "Flour City" to "Flower City."

Of the men who followed these pioneers enough could be written to fill a volume. John Charlton, J. B. Keller and many others who settled here between 1855 and 1875, deserve much credit for their efforts, which resulted in the activity in horticultural lines so apparent on every hand.

That very early settlers and visitors were quick to notice the quality of the land hereabouts is demonstrated in a letter written about 1802, in which the writer states that: "The land about the Genesee is superior to any I have ever seen, even to that in Great Britain." This statement shows that even at that early date the immediate vicinity was recognized as highly favored by Nature, and consequently an ideal location for the growth of seeds. Market gardens abound everywhere, the products of which are shipped daily to far distant cities; while the fame of the Monroe County Apples, Grapes and other fruits is world-wide.

Visitors to the city seldom fail to speak in terms of highest praise of the beauty of its surroundings, and from the bridges and tops of all towering buildings landscapes of rare interest are in view. By taking an elevator to the upper stories of any of the principal commercial buildings one can gratify the eye with a most refreshing prospect, including hills and dales, woods and waters.

The city is well supplied with educational institutions of every kind, so that the future of the children is looked after well in that respect. The water supply is conceded by all to be the best ever; it is brought through immense pipes from Hemlock Lake, thirty miles away, is clear and sparkling, and is unlimited. Above all, Rochester is a city of homes, and many hundreds of homes are owned by its working men, who take great pride in keeping them looking spick and span, a domestic condition which adds much to the fame of the city.

Two years ago Rochester became a city of the first class, and its population is about 220,000. Lodges and



University of Rochester



Rochester Court House



View of Lower Genesee Falls

fraternal societies abound without number, and the religious side of the people is exemplified in the many beautiful churches erected in all parts of the city.

In the past five years the city has become widely known as a convention city and its facilities for the holding of conventions are often taxed to the utmost. An annual industrial exposition is held for a week during some part of each October, at which times the city takes on quite a gala appearance. These annual affairs do much to show to residents and visitors the products manufactured in the city, every business being represented in the booths at Convention Hall. Parades are arranged and marching bands are seen continually during an exposition week, and all this publicity is due to the work of Rochester's famous Chamber of Commerce, whose slogan is "Do it for Rochester."

Interesting Rochester Facts

Churches, 132.
Population 220,000.
New State Armory.
Large convention hall.
Hotels, 45; hospitals, 7.
Arc electric street lamps, 4000.
Erie Canal transportation facilities.
Public schools, 36; parochial schools, 22.
Mean altitude above sea level, 512 ft.
Students at Mechanics Institute, 3500.
Large and splendidly equipped public market.
Average death rate, five years, 15.37 per 1000.
Largest preserving establishment in the world.
City water pipe, 371 miles; hydrants, 4318.
Reynolds Library, 66,000 volumes; Law Library, 34,000 volumes; other libraries 88,000 volumes.
Manufacturing establishments, 1130.
Stocks issued by local industries, $88,956 177.
Valuation in building permits issued in 1909, $9,272,132.
Assessed valuation, 1910, $161,000,000.
Value of woodworking output, over $6,000,000 annually.
Custom receipts, year ending December 31, 1909, $479,499.82.
Developed water power Genesee river, 50,000 horse power.
First city in manufacturing of fine clothing; annual output, $22,000,000.
Post office receipts for calendar year ending December 31, 1909, $980,000.
Fifteen flour mills, producing about 1,000,000 barrels of flour annually.
Eight steam railroads and seven trolley roads entering the city.
Pupils registered in public schools, 34,158; in parochial schools, 13,000.
Twenty miles of Summer resorts on Lake Ontario and Irondequoit Bay.
Capital in manufacturing and wholesale trade, over $75,000,000.

Points of Interest

The River Gorge from Maplewood Park

This gorge is a close rival in beauty, if not in length, of the famous gorge at Niagara Falls, and is best viewed from the winding driveway in Maplewood Park, on the lower Genesee river. Years ago excursion boats used to ply from Charlotte to Rochester, giving passengers a chance to see this natural waterway, with its dense growth of trees of many kinds on both sides of the river. It is within easy walking distance from two street car lines, Lake ave. and Summerville, and a few minutes' ride will take the visitor to the spot from whence the best view is to be had.

Refectory, Seneca Park

This building, while owned and under control of the park board, is rented to the highest bidder yearly, who, when settled, furnishes non-alcoholic beverages as well as many varieties of eatables to visitors to the park. It is replete with conveniences and adds much to the pleasure of a day spent in the park.

Lily Pond, Seneca Park

Seneca Park contains about 115 acres, and is quite popular with the majority of Rochesterians who enjoy to the full the winding river, zoological exhibits, walks in the dells and through miniature forests. The Lily Pond is a favorite spot, on account of the fine collection of aquatics planted in it. Until very recently the Lily Pond was the only one in all of Rochester's great park system, but with a general demand for improvements, it will probably not be long before each park will have its collection of Nymphaeas, Lotus, etc.

Washington Park

This park, which is immediately in front of Convention Hall, contains a fine monument erected by the city in memory of the soldiers and sailors from Rochester who died during the Civil War. The grounds are a block square, and contain many seats, on which hundreds rest during the day. This is the nearest piece of open ground to the busy Main st., and is consequently much used. Here several times a month the park band maintained by the city, gives concerts on the portico of Convention Hall. Many visitors to our city during convention week will find enjoyment in the shade of the magnificent Elms in this park.

University of Rochester

This university has the reputation of being one of the best educational institutions in the United States. It was founded by Baptists in 1850, at which time it received its charter from the regents of the University of the State of New York. Its first president was Dr. Martin B. Anderson, who filled that position for 35 years. In 1853 a gift of eight acres was made by Azariah Boody, for a permanent site, after which seventeen acres more were purchased, and in 1859 work was begun on Anderson Hall, and completed two years later. Sibley Hall, a gift from Hiram Sibley, was completed in 1877, and contains a museum of natural history and the library, which according to terms of the gift, are to be free to the citizens of Rochester forever. The library contains about 30,000 books and is maintained by a fund of fifty thousand dollars, a gift of John F. and Lewis Rathbone of Albany. The University is located on University ave., one block east of East ave.

Post Office

The post office is located on the corner of Church and Washington sts., one block north and one block west from the Four Corners, convenient to the business dis-



East Avenue

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you are a Grower or a Dealer, meeting your
are always of the best and my prices right.

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Flower line, or require a market for your own flowers, communicate with me.

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Madison Square **NEW YORK CITY**

ORCHIDS

ORCHIDS



Washington Park, Viewed from Convention Hall, Looking Toward Main Street

trict. The present building was erected many years ago, and the growth of the city has recently necessitated many alterations and additions, and even now it is considered too small for Rochester's mail service. About twelve substations are located in various parts of the city, and have been found to be of great benefit, especially in the residential district. In the post office building is also located the main office of the collector of internal revenue for the twenty-eighth district of New York.

The Aquednct

The aquednct carrying the Erie Canal over the Genesee river is located between South ave. and Exchange st., one block from South Main st., and one block west from Convention Hall.

It is a six span bridge, where, instead of horses and wagons, boats laden with produce and merchandise of all kinds pass on their way between New York and Buffalo. A footpath is on one side, for pedestrians, the other side being used as the tow path. It is a fine piece of engineering, built of granite blocks, the bed of the canal being made of cement, which is perfectly water tight. When the new barge canal is finished this aqueduct will be ont of commission, as the new route of the canal passes outside the city.

Main Street East

Our photograph shows many of Rochester's prominent business houses, and is taken from a point where one comes from the Seneca Hotel, convention headquarters, to Main st. looking west. It shows about one-half of Main st., a hive of industry in a city of the first class. Jas. Vick's Sons' building may be seen on the left, also Granite Building, Wilder Building and Power's Hotel in the distance, with many other prominent structures occupied by business men.

The Four Corners

This is the center of the city, and from it all distances are measured, so that people living within the one or four mile circle know just what distance they have to travel to and from their business. These circles are also in use on city maps, measured from this place, enabling a stranger to find his way about the city more easily. Around the Four Corners centers the most of Rochester's early history, for it was here that the first buildings of any consequence were erected, the earliest of which was on the site now occupied by Power's Hotel, a well known and long established stopping place for men of more or less renown in the political and civil history of the United States. Four Corners is also a point much used for the transfer of passengers on street cars, and, being the center of the city, is naturally a busy spot night and day.

Court House

This magnificent building, located on West Main st. one short block from Four Corners, was erected about twelve years ago, at a cost of several million dollars, and its present usefulness justifies the expense.

Rochester being the county seat of Monroe County it is natural that in this building all the county offices are located. The broad stone steps leading from the street to the main hall have been the place of many interesting real estate sales. The inside of the building is handsomely finished in polished marble. Nearly all cars pass either directly by this building, or within a stone's throw of it.

Maplewood Park

This park is one the city has recently acquired, and much money has been expended on it. The main entrance is on Lake ave. by a road laid out in such a manner that a view of the river is to be had continually throughout its length. The park forms an excellent playground for children, who come from some distance to play. Older folks are also often treated to a park band concert, seats being placed on gentle rising ground around the band stand. It is an ideal place on a hot day.

Convention Hall

This hall is centrally located on South Clinton ave., about 500 ft. from Main st., and is reached readily by several lines of street cars. It was formerly the State Armory and if its walls could speak some very interesting history could be told. But on account of larger quarters being necessary it was vacated, and eventually taken over by the city and remodelled. In its improved form it has been the scene of many a large gathering and, incidentally, one of the factors in the present growth of Rochester. Last year an exhibition hall was added at the rear end.

East Avenue

This is considered the finest residential street of Rochester, and on it are built some of the most costly residences in the city. Of late years business houses have made inroads on the avenue at the Main st. end, but there is small hope of this extension continuing until some of Rochester's oldest families either remove or sell their properties. It is the main road for travelers entering or leaving the city to or for points east and is a favorite ride for auto parties, on account of the good pavement. Streets and avenues leading from it on either side also contain substantial residences.

The Lower Falls

The beauty of the lower Falls is best observed from the Driving Park bridge, which is below the falls. The falls are about 45 ft. in height and in shape closely resemble the Falls of Niagara. The rich setting afforded by the dense growth of trees on either side of the river, with the falls, presents a charming view, which must be seen to be appreciated. The bridge mentioned is about 100 ft. above the river, and some little distance from the falls, yet on many days the spray is blown in the faces of pedestrians. At the Lake ave. or western end of the bridge is located the entrance to Maplewood Park, the drives in which command many beautiful river views.

The Eastman Residence

Geo. Eastman, the father of the "Kodak," and the phrase "You push the button, we do the rest," so well known to every photographer, owns, perhaps, the most expensive if not the most beautiful residence in Rochester. It is located on East ave. and is estimated to have cost in its entirety about five million dollars. It was completed about four years ago. A very fine range of greenhouses is located in the rear of the dwelling, and is in charge of W. Petrie, a young but talented horticulturist. Mr. Eastman has done much for his home town in the way of donations to hospitals, libraries and civic improvements. He quite recently presented to the city about 400 acres on Lake Ontario's shores, for a beautiful park, to be known as the Durand-Eastman Park.

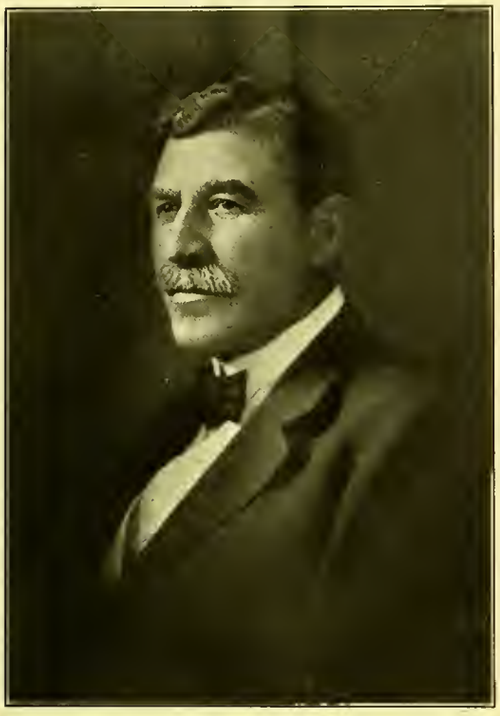
Leading Rochester Houses

Ellwanger & Barry

This firm's office and show grounds are located on Mount Hope ave., a short car ride from the center of the city. Since its inception, in 1840, under the guidance of George Ellwanger and Patrick Barry, the firm name has become a byword in every town, village and hamlet in these United States, and it is well known across the seas. Founded on business principles which today are observed just as scrupulously as ever, the business has grown to immense proportions, furnishing employment to a large office force and many skilled men. The original grounds that once formed the nursery are now almost entirely



Main Street East, Looking West from Clinton Avenue



W. C. Barry of Ellwanger & Barry

covered by the growth of an enterprising city, in the direction of residential streets. Beautiful streets, and artisans' homes innumerable, have now taken the place of the nursery row, many of which are due to the activities of the Ellwanger & Barry Realty Co. It is, perhaps, useless to give an extensive review of the firm's products at this time, as they are more widely known probably than those of any other nursery. To those who will visit this establishment, much of an educational character will be gained from the trip, as there is probably no place in the country where so many beautiful and rare ornamental trees and shrubs which have reached that stage of development that best shows their natural advantages are to be found. Mr. Barry is a great advocate of getting away from that everlasting sameness and repetition met with in many of the country's parks and streets, and, apart from the changing effect of the scenery, the people become more interested, and value the rare things in much greater proportion as they become better acquainted with their habits, manner of growth, time of blooming, etc., all of which is of vast importance both to the nurserymen and the buying public.

The size and contents of the firm's catalog fully carries out this idea in that it brings to the reader's notice trees and shrubs that would otherwise not be thought of. Evergreens, also, are given a prominent place, and are allowed plenty of room in which to develop into shapely specimens. About five acres are kept planted with such plants, so that intending purchasers may walk through and select those which answer their purpose best.

The firm's extensive holdings of herbaceous perennial plants contain all plants that are new and rare, the trial grounds forming a plot which, during the Summer months, attracts more visitors than any other spot. To display the perennial plants to best advantage a long grass walk has been made, with short rows extending each way, every variety having a plainly written label showing its name. About one half mile of hedge has also been planted, which contains all the plants suitable for hedging purposes; and as a place for one to get an idea of the kind of hedge wanted no better opportunity can be had than a visit to the place where varieties are growing. The many acres devoted to the cultivation of fruits for trial are also productive of pleasure to all visitors, and the records secured by the firm's products at the State and other fairs annually, are not to be wondered at when the horticultural methods employed are investigated.

The writer would consider himself lax did he forget to mention the Roses, a subject which is perhaps dearer to the heart of Mr. Barry than aught else; and if the firm had no other product, its connection with and introduction of these beauties of the gardens would place the house easily in the front rank. The development of the Rose here has been wonderful, and as shown by Mr. Barry, when walking through the grounds recently, it is possible to have Roses everywhere all Summer, from the beautiful dwarf bedder to the more rugged perpetual blooming climber, as shown in the varieties Trier and Flower of Fairfield. Of late years the firm has increased its interest in Rose development, and to this end large trial grounds have been maintained at considerable expense. During the height of the flowering season the Rose gardens are visited by thousands of interested people and it is fully believed by many that at no other place can so many varieties of Roses be found, planted and correctly named in such a manner that all can criticize or commend a variety in comparison with others. The blue Rose, Veilchenblau, is one of the greatest introductions this firm has handled and the immense stock on hand speaks well for the outlook for future sales.

Japan Maples and other ornamental shrubs, in great quantity, are also shown visitors, who are extended every courtesy while viewing the grounds. Many hundreds of acres, altogether, are under cultivation, containing the fruit and other trees, but they are of necessity outside the city limits.

The firm has always been interested in whatever was for the good of the city, and the many gifts of lands, buildings, etc., will always be remembered by the "City of Homes," which is particularly deeply indebted to the firm for its gift of the beautiful Highland Park, and pavilion for all city children, a park which, for its beauty and benefits could not have been duplicated elsewhere, and which is taken full advantage of by thousands who daily and nightly traverse its hills and dales.

J. B. Keller Sons

The foundation of the business of this firm was laid in 1875, by J. B. Keller, Rochester's pioneer florist. Commencing with one small greenhouse, 10 by 50 ft., the business has grown until today it is conceded to be the leading florist establishment in the city. The personnel of the firm is F. J. Keller, W. L. Keller and J. M. Keller, a trio the equal of which would be hard to find. Progressive, energetic, always on the lookout for the best interests of their patrons, and giving good value for money, not necessarily of the cheapest stock, but good material at fair living prices, the firm has justly attained an enviable position in the local florist trade. The greenhouse establishment is located at 1023 South ave. (street car line passes the entrance) and is under the direct charge of J. M. Keller, who has spent his entire life in greenhouse work, and can tell of many interesting incidents which happened during the early days of the Rochester florist business.

The buildings consist of a range of eight greenhouses, used for potted plants, such as Azaleas, Primulas, Poinsettias, Lilies, 30,000 table Ferns, Begonia Gloire de Lorraine, and other plants generally found in a well kept florist's establishment, all of which are retailed at the firm's store. Another small range of glass is devoted to the housing of Palms, Ferns, Draccenas, Asparagus plumosus and Sprengeri, as well as several hundred Orchid plants of different varieties, the latter being in the care of J. B. Keller, more as a hobby than for any interest he may have in their general financial value, although he sees to it that the plants furnish abundant cut flowers during the Winter season.

No cut flowers, excepting 8000 Chrysanthemums, are grown here. The 'Mums at present are growing in the



Rochester Post Office

otherwise empty benches and comprise many of the best varieties. They, however, furnish but a small part of the cut blooms used at the store when the Autumn Queen is reigning. Roses, Carnations and other cut flowers are secured through the local commission house, or direct from the grower, locally or out of town.

Many thousands of bulbs are annually forced into bloom in Winter and Spring, principally Tulips, Narcissus, Daffodils, Freesias and Valley. Experience has proved that the firm can secure the general line of cut flowers more conveniently than they can pot plants, hence the decision to devote all their glass to plants, a course which many other store men who own greenhouses might do well to follow.

Connected with the greenhouses are about six acres of land devoted to the growing of herbaceous stock, about 900 varieties being handled, mostly for the firm's own use for cut flowers, and for the continually increasing trade in landscape work. This department alone enables the firm to employ many skilled men during the season. Every Spring and Fall, large shipments of her-



Entrance to Grounds and Office of Ellwanger & Barry



Offices and Store of James Vick's Sons

baceous plants are made to cities and towns within a large radius of Rochester, a business which has doubled and trebled during the past ten years. Five years ago the firm secured an additional four acres of land, and although it is now full of hardy plants, Ed. Remington, the foreman, is always looking for more room.

A steady force of men is kept the year round and there is always plenty to do. In passing, it is only fair to state that there is, perhaps, no man in western New York who can surpass J. M. Keller in his general knowledge of herbaceous plants, he having the name of all the varieties of every plant at the end of his tongue and possessing the knowledge necessary for the recognition of practically every specimen.

The firm's store is located on North Clinton ave., a few doors from Main st., and it has been occupied by the firm for the past twenty-five years. Last year, the entire building was remodeled, the changes resulting in a most uptodate store. This end of the business is in charge of W. L. and F. J. Keller, men who are thoroughly posted in all that pertains to a modern first class retail florist's store. The firm specializes very largely in decorative work for all occasions, this department being taken care of by F. J. Keller, who is conceded to be one of Rochester's best artists in this direction; and when something special is wanted his services are in demand. It is to him that the local florists' society is indebted for the beautiful decorative plan used in Rochester's first annual flower show, last year, from which show it was necessary to turn away thousands of people on account of the crowded condition of the Convention Hall, where it was held, as recorded in the columns of the Florists' Exchange last November. An electric wagon as well as regular wagons are constantly in use for delivery purposes, the electric conveyance proving valuable where quick or long trips are to be made.

Several years ago, J. B. Keller retired from active participation in the business, hence the firm name; and it is a source of pleasure to him to realize that the fruits of his labors are so substantial, and that the growth from one small house to the present proportions of the business is due largely to his effort and foresight. He planted the first Rose plants under glass in Rochester—a house of Perle des Jardins, which was used for seven years, and the cut of flowers from it has not, it is believed, been equaled. The sons are proud of this record, which they assisted to make, all of them having helped, as boys, to wheel the cow manure used on the benches, from a long distance, after school hours in Summer, a job which at that time was not a very pleasant one.

Jas. Vick's Sons

This well known seed house, located in the building at the corner of Stone and Main sts., is the oldest established mail order house, and was founded by Jas. Vick in 1849, to whom must be given the honor of starting the mail order business.

The firm is now composed of Chas. Vick, president; Fred B. King, secretray; Wm. T. Fonda treasurer. Its quarters embrace several floors of the building mentioned, as well as a fine commodious store at 20 Stone st., where a large retail business is done.

The name of "Vick," and its connection with the seed business is too well known to need comment at this time. The firm will have a fine exhibit in Convention Hall, which will no doubt bring it into greater prominence than ever.

A farm of 100 acres located in Greece, which is twenty minutes' ride from the office building, and in charge o. Geo. Arnold, is used exclusively for the growing and testing of all the flower and vegetable seeds listed in the firm's catalog, comprising several hundred varieties, and a visitor can spend a whole day with much benefit in looking over these broad acres.

The firm has made arrangements whereby visitors to the convention will receive a car ticket, enabling them to ride to the farm and return free, at which place competent men will meet them to conduct over the estate all who care to take advantage of this rare treat.

Those who think much or little of the Aster will see it grown to perfection on this farm. For years past much effort has been put into the perfection of this beautiful flower, and the acme is well nigh reached. Surely in the variety "Rochester," a dream of years ago now realized, the firm has what it can call perfection, yet its policy is to keep on, always striving to attain higher ideals in whatever it undertakes and produces, until Vick's seeds are a byword in many a household. Favored in soil, climate, conditions, and location, it is not surprising that such a business has reached the immense proportions it has, a fact greatly impressed upon the writer when shown through the building the past Spring. It is no wonder that Rochester is known as the "Flower City" when such firms choose to locate here, as apart from the business brought here, the fact that thousands see their products in the store windows, creates a desire that before long is gratified by the purchase of seeds or plants. The firm advertises quite extensively in magazines and papers and many yearly repetitions of orders from old customers are received, testifying to the quality of stock sold. Besides seeds of every description, the firm also handles, extensively, garden tools, insecticides, spray pumps, and a full line of bedding plants, Ferns, Palms, raffia, and other things necessary to the business of an uptodate seed house.

Chas. Vick is superintendent of the S. A. F. Trade Exhibition at Convention Hall, and has been responsible for a great deal of the work on the souvenir album, on which he has worked unceasingly.

Clifford & Son

Clifford & Son are perhaps the largest local growers of Carnations, shipping their products to this city. Their establishment is located just outside the city limits, in Barnards, and contains six houses, 150 to 250 ft. in length, all of which are planted to Carnations, about 40,000 plants being housed, consisting of Enchantress, White Perfection, Queen and other standard varieties, all of which are expected to be in the benches by August 15. The plants in the field look remarkably well, showing good cultivation and careful selection of clean cuttings for propagation.

This year will complete the fourth since the father and son have taken hold of the place. Besides Carnations, Sweet Peas for Winter blooming are somewhat of a specialty, as well as Geraniums for Spring sales.

A new house is being erected, this taking the place of an old one; the length of the new house will be greater than the house torn down, and more modern in its furnishings. All the work of building is done by the firm's own help, a fact which materially lessens the expense, especially when one has the knowledge to go ahead and accomplish these things.



Retail Store of J. B. Keller Sons



Panoramic View of Grounds



At J. B. Keller Sons

View in the Nursery

Vick & Hill Co.

This company, also located in Barnards, had its beginning in 1890 and was incorporated six years later, transferring its headquarters from Rochester to its present location, about five miles from the Four Corners, in 1894. It is easily reached from Rochester by street car, upon leaving which a walk through beautiful Bishop's Grove, a road notable in this part of the State for its remarkable growth of Poplars and Hemlocks, brings one to the company's establishment, which consists of 16 greenhouses and about thirteen acres of ground, upon which are grown a numberless variety of herbaceous perennials and thousands of stock plants of bedding and other such stock.

The company does an immense mail order business in the Spring, necessitating the employment of about 25 men, this part of the business lasting from about February 1 until well into June. Besides a very attractive and descriptive retail catalog, which contains about all the plants necessary for a complete list, the company also issues a wholesale plant list to florists, as well as a special Aster pamphlet which is mailed to about every one in the business this part of the work entailing no small amount of labor.

Fred Vick, or, better still, Vice-president Vick of the S. A. F., is the presiding genius of the concern, and to his energy and knowledge is due the reputation it enjoys. Apart from a general run of stock, the company secures large contracts for plants, last year filling an order from the Lehigh Valley R. R. for plants to furnish every station between Rochester and New York, for which order an extra house was added, in which to grow on thousands of bedding plants. Mr. Vick also informed the writer that an order for 30,000 Scottii Ferns had just been completed, the shipping of which had occupied about three weeks; quick time, perhaps, when one considers the other work which must be attended to in the florists' business.

Not many flowers are grown for the market, except such as are grown on plants used for stock, so that in looking over the establishment the visitor fails to find that which would mark it as a cut flower establishment; but, everywhere, preparations are noticeable for the growing of pot plants of every description for mailing. Several thousand Chrysanthemums are flowered annually, most of which are used for exhibition and decorative work.

If there is one thing over which Mr. Vick is an enthusiast, it is the Aster seed growing, this branch of the business forming a specialty with the company. Orders from all parts of the United States, as well as some from Europe, have necessitated the planting of about twenty acres to Asters exclusively, all of which will be used to furnish seed for the many existing contracts. This block of Asters will be a glorious sight about convention week, and visitors will do well to take advantage of the opportunity to be presented by the company to get them to its grounds. All florists have regard for the Aster, and its usefulness to the trade has placed it in the front rank of Summer cut flowers, so that a trip to see acres of all varieties growing under intense cultivation will long be remembered. Every possible variety is grown, from Queen of the Market to Vick's Late Branching, while an acre or two is devoted to the growing and testing of the newer and imported kinds. Seedsmen and others from all parts of this country and Europe have been in the habit of looking over the "Aster Farm" annually, the results of which are apparent in the gradually increasing orders for seed.

The company does an extensive local business, and makes every effort to retain its help, many of whom have been employed for years. The company is progressive and out for whatever is for the best interests of Rochester and the development of the florist business. Since its organization two years ago, Mr. Vick has been the president of the Rochester Commercial Florists' Assn., and his election as vice-president of the S. A. F. was a source of satisfaction to all of Rochester's florists. He is also president of the 54th Regiment band, a musical organization which has been long established and stands second to none in Rochester.



On Vick & Hill Co.'s Grounds—Four rows of Lavender Daybreak Aster. On Right Early Snowdrift

Chas. Lee

Before establishing himself in business at the junction of Stone road and Dewey ave., Mr. Lee was connected with the Vick & Hill Co.'s establishment for many years, where he laid the foundation of his business training. Five years ago, by dint of economy and perseverance, he was able to leave his employers, and build a greenhouse, 100 by 20 ft., which proved profitable, so much so that last year another house of the same size, of King construction, was added. Carnations form the chief product, but every Spring a large quantity of Geraniums and Vinca vines is disposed of. Small fruits, also, furnish labor for the help during the early Summer months, the marketing of which is no small task.

All the products of the greenhouses, as well as many thousands of Aster flowers are disposed of through the local commission house. About three acres of land are cultivated for stock plants, Carnation plants, Asters, etc.

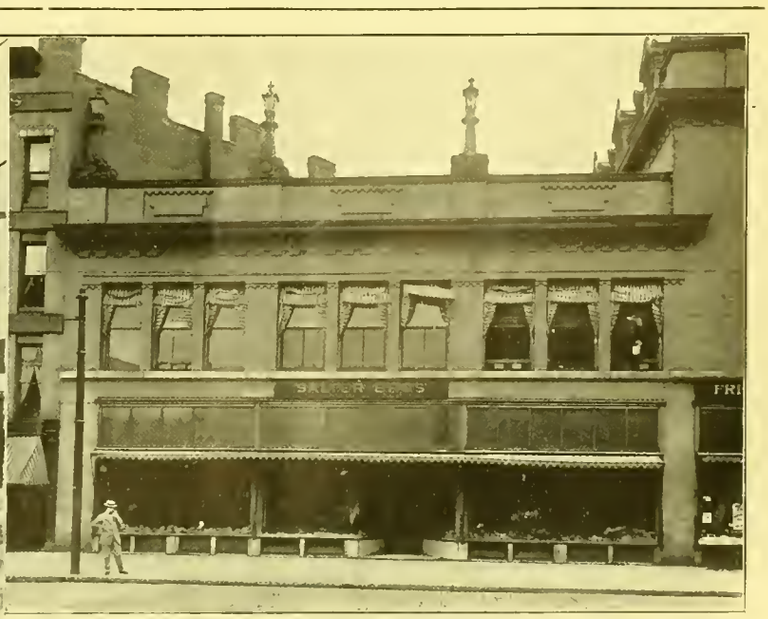
Chas. Suhr

This enterprising florist is considered by all to be Rochester's best wholesale plant grower. His establishment is located at 839 Hudson ave., where he has been for the past 19 years. Originally a private gardener, he was quick to see future opportunities in the flower business, a quality which induced him to embark for himself, and today he has the most compact and convenient range of glass in the city, the plant covering three quarters of an acre. From its commencement, with one small greenhouse, his business has grown to its present proportions only by dint of hard work, close application and production of the best stock.

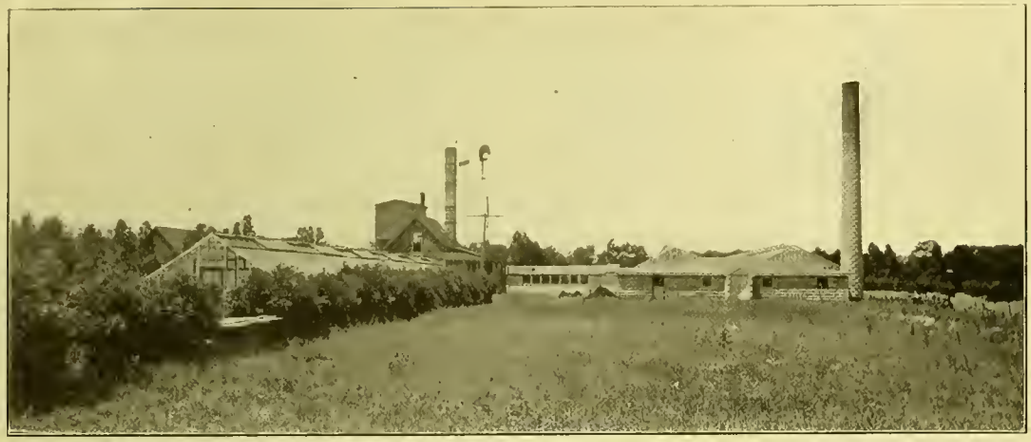
The original acre purchased by Mr. Suhr is now in the heart of a thickly populated German settlement, many of the settlers in which have remained as customers from almost the first day of the business. Three acres of land a short distance away give Mr. Suhr an opportunity to secure soil for his benches and pot plants, as well as a place to grow stock plants and Carnations. Several houses in the range are devoted to the growing of Carnations in Winter, which, when room is wanted for the better development of Ferns, Azaleas, Cyclamens and other plants, are thrown out. At present, Enchantress, white, pink and rose pink, are principally grown, and are now being housed. Connected with the greenhouses is a very neat store, where much retail business is attended to. Adjacent to the store is a very fine dwelling with an air of quietude and prosperity about it. The entire place is always scrupulously clean, and as street cars pass the door it is easily and quickly reached.



Conservatory and Store of H. E. Wilson



Retail Store of Salter Bros.



Purcell & Cragg's Establishment

Salter Bros.

Salter Bros. is another of Rochester's old established florist firms, and was established in 1881 by R. G. Salter, in a store on State st., the business about five years later being moved to the present location in the Powers Hotel building on West Main st. About this time Mr. Salter took into partnership his brother, A. H. Salter, the two eventually becoming known as Rochester's high class florists. Both are prominent in clubdom and many beautiful decorative schemes emanating from their brains have been carried out in several of the city's prominent hotels, club houses and residences, a part in which A. H. Salter was very prominent.

Many of Rochester's older residents are regular customers at the firm's two stores, their names having been on the firm's books almost since opening day.

The other store is located at 320 E. Main st., and is in charge of A. H. Salter. A special feature of this store is its continuous, attractive window display, which contributes much to the success of the business and is a constant source of delight to passersby. Rocks and running water, with other hints from Nature, are often employed while the barnyard scenes and miniature gardens are considered works of art by local florists.

A fine range of 15 greenhouses is owned by the firm, and is located at 763 Park ave. In this range of houses it is planned to grow pot plants of every description, and one can imagine that the men are kept moving to supply two of Rochester's best equipped stores.

Another range of houses, located on a farm of sixteen acres in Fairport, is also owned by the firm, and there most of the cut flowers, Asparagus, Smilax, etc., are grown, as well as perennials and annuals for cut flowers during Summer, all of which cut stock is either shipped or brought into the stores daily. An electric delivery wagon is constantly in use, and a large force of help is necessary to keep things going in all four branches of the firm's business.

R. G. Salter takes much pleasure in the Summer months driving his auto, generally to Manitou Beach, at which place he owns a beautiful Summer residence. Both men are active in the doings of the local florists' club; and the firm's wagons are usually seen gaily decorated in the parade at the annual city industrial exposition, and heavy contributions from their stores and greenhouses are seen at the annual flower show.

Purcell & Cragg Co.

Frank Purcell, who established this business six years ago, is Rochester's most successful wholesale Rose grower. Before embarking for himself he was foreman for many years for Salter Bros. and while with them developed a taste for his specialty which has made him popular with all of the retailers in the city. When Mr. Purcell secured the three acres, which are located just beyond beautiful Seneca Park on the Summerville road, two old houses were on the place. The next year he added two others, and a year ago he formed a partnership with J. W. Cragg, at which time two other houses were added, the last being of King construction, 30 by 150 ft. each, in which are grown Roses. The other houses are now being furnished with cement benches, work which is being done by the men on the place. Solid beds are used exclusively for Rose growing. Other incidentals, such as Asparagus for cut sprays, Smilax, Sweet Peas, Poinsettias, etc., are also grown. The photograph herewith shows plainly the new cement boiler house and smoke stack. In the boiler house are two 50 h. p. tubular boilers, one of which is sufficient to furnish steam at a satisfactory temperature for the entire place, in the most severe weather. The other is "insurance" Mr. Purcell says, as well as an ever ready safeguard, but up to date no occasion has been found for its use. The return water is brought back to the boiler through a Detroit steam trap, which works admirably. As soon as practicable all the houses will be furnished with cement benches, as whatever tends toward progress is quickly taken hold of at this establishment, a policy which is adding materially to the success of the firm.

Mr. Purcell takes his honors as Rochester's prominent Rose grower easily, and the writer questions whether he is even conscious of them; he works every day with his men, continually on the watch to secure the best that brains can produce.

F. Schlegel & Sons

This firm, established about 30 years ago, is located at 770 South ave., a prominent thoroughfare of Rochester and in a thickly populated residential district, which has undergone some big changes since the land was purchased. The business is now carried on solely by Fred Schlegel, who succeeded his father twenty years ago and bought out his brother's interests, but it is continued under the original firm name.

A general line of florists' stock is grown in the range of houses shown in the photograph herewith, and in Spring a large business is done in bedding stock. Funeral work and church and other decorations keep the help well employed. In the days when carpet bedding was all the rage this firm furnished many thousands of plants to individuals, and planted, as well, many foliage beds themselves, in the various shapes and designs popular at the time. At the side of the greenhouses is about one half acre of ground used for growing Summer blooming plants such as Sweet Peas, Stocks, Gladioli, Candytuft, etc.; while for larger crops and stock plants Mr. Schlegel cultivates some land a short distance away. From the latter is also procured the soil necessary for pot plants and filling the benches. The establishment is always scrupulously clean, and an attraction to visitors.

Mr. Schlegel is very prominently connected with the Chamber of Commerce, an organization of business men, which is doing considerable good for the Flower City.

Frank Bennett, Barnard, N. Y.

Mr. Bennett owns 2½ acres adjoining the property of Mr. Fry, and, like his neighbor, has also been prominent in furnishing to Rochester flower lovers Carnations at all seasons of the year. The writer found Mr. Bennett busy hoeing his plants, which will shortly be housed. White and pink Enchantress and Queen are found to be the most profitable varieties to grow, although strict watch is kept on the newer introductions, several of which were growing in the field. The plants of all varieties were small here as at all other places visited, but they have good body, and with the recent rains will rapidly make large plants.

Mr. Bennett has three houses, containing about 7000 sq. ft. of glass, products of which are also disposed of at the wholesale house. He has been established about eight years, and although it has been an uphill fight, success has been achieved. A fine new barn was recently built, at the end of the greenhouses, which, besides answering the purpose for which it was built forms an admirable windbreak during severe weather.

Geo. B. Hart

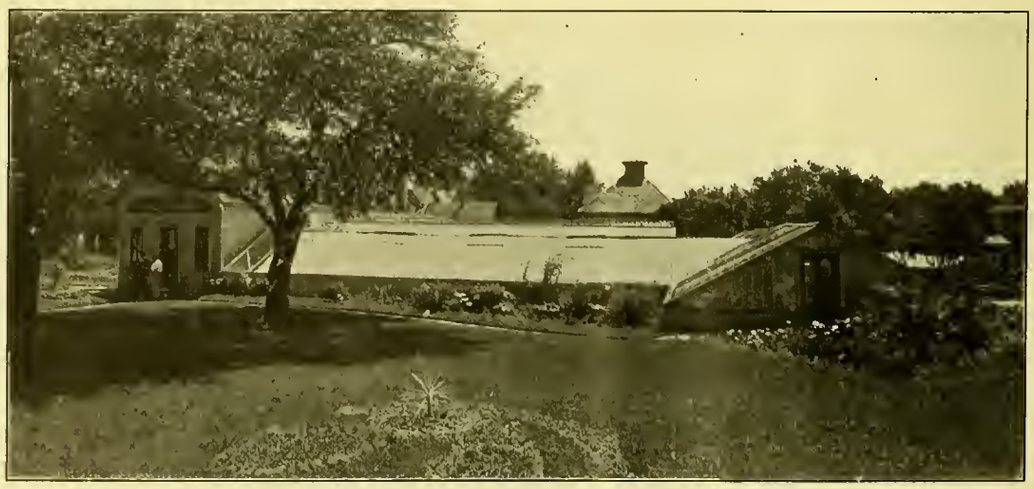
This enterprising young man is Rochester's only wholesale florist, and to him many of the local growers are indebted for a better conditions of affairs, while the retailers find in him an ever ready assistant when it comes to supplying their wants. Before branching out for himself, Mr. Hart was connected with Salter Bros., in their West Main st. store, for eighteen years, and was manager of it for several years before leaving it. It was there that he learned how to handle flowers and to do the buying and selling, and there, also, he came to recognize the need of a commission house in Rochester. Although nearly all with whom he consulted discouraged him in his idea he braved the situation, six years ago, and since that time he has become, it may safely be said, the leading factor in Rochester's cut flower business.

He first located at 19 Stone st., but after the first year decided that larger quarters were necessary, so moved across the street to No. 24, where he now is. Since his occupancy of this store it has undergone several alterations, until now it is considered an ideal wholesale florist store. Recently a large roomy ice box was built capable of holding many thousands of cut flowers, and this, together with his offices, storage rooms and wire working shop, give him every facility for handling a wholesale florists' supply business.

Mr. Hart brought himself before the floral world quite prominently about two years ago, by sending out Hart's Handy Handle, a device used on pot plants, and which, when decorated, takes the place of a basket. Manufacturing these himself and having several prominent supply houses list it, it was not long before thousands of them were in use, especially at Easter and Christmas, in many of the leading florists stores in the East. The local florists used quantities of them to good advantage, and the business resulting paved the way for the opening of a supply department, where florists can now secure anything they want, from a spool of thread up, and the venture has proved successful as well as convenient.

In the Summer, from this store immense quantities of Asters are shipped to all parts of the East and West until it seems that Mr. Hart can be styled the "Aster King," as it is highly improbable that any other wholesaler handles as many of these flowers, situated as Mr. Hart is, in the heart of the Aster growing district.

With but very few exceptions, all of the local growers, and many from long distances, ship their products to him, and the confidence reposed in him justifies this course. At no time has any grower left him, unless for some reason foreign to the handling of flowers, in fact, the local men have words of commendation for him at all times. He is prominent in the local florists' club, and lends his aid to all that tends to improvement. Persistent, progressive, tactful and accommodating, success has met his efforts.



Schlegel & Sons' Greenhouses



Rose Mrs. Taft
Grown by J. Charlton & Sons, Rochester, N. Y.
See page 262

J. Charlton & Sons

Located at the corner of University ave. and Culver rd. is a red brick house in which lives John Charlton, founder of the University Ave. Nurseries. Here he has toiled unceasingly since 1864, in his own quiet way, and so successfully that there can hardly be a nursery man or florist in the States who has not heard of him directly or indirectly. He is today nearly 75 years of age, and the writer found him busily engaged repotting some plants of Roses, variety Goldfinch, a dozen of which he recently secured from England. He expresses himself as feeling younger and more active than many young men of today, and is, perhaps, Rochester's oldest living florist.

He served his apprenticeship in Wiltshire, England, and so soon became master of all the intricacies of gardening at that time that when his three years' service was finished he took charge of a large place on the Island of Guernsey.

He first came to Rochester in 1857, working as a private gardener for about four years, after which time he returned to England to spend the Winter, returning to the States in 1861, shortly after securing two acres of land where he now lives. He married in 1864, and in 1865 built one greenhouse in which were grown soft wooded plants, especially Fuchsias, at the same time beginning in a small way the growing of Grape vines, small fruits, shrubs and fruit trees. In 1883 he devoted practically his entire time to nursery stock, Roses and herbaceous plants, in which he has since become famous as an American introducer of many well known varieties.

Mr. Charlton stands easily ahead in his class for his many introductions in bygone years, notable among which was the first hanging basket ever seen here, exhibiting the same at a show in 1857, since which time the use of such baskets has become very popular. He also brought from England the Aspidistra lurida variegata which is now one of the most delightful decorative plants. Ampelopsis Veitchii was also disseminated by him.

In 1884 the old greenhouse was torn down, and new ones built. In mentioning some of the incidents of his life Mr. Charlton told the writer that as soon as his first greenhouse was finished, in 1865, a terrible hailstorm came, which broke every pane of glass in the house, as well as those in his dwelling, the stones being so large as to lay in windrows on the streets the following morning. But this did not deter him, and with a determination to succeed he reglazed the house, securing about all the 8x10 glass available at that time in the city. During the period of years that he has been established, Mr. Charlton has seen the coming to Rochester of the railroads, electricity and other things modern, together with the gradual growth of the city, until now he is practically unable to use his original plot. One hundred acres of fine soil in Brighton were secured several years ago, on which Joe Charlton, his son, lives. Here is grown much of the nursery stock used by the firm, and there are two other plots, of 10 and 15 acres in extent, which are near to the old homestead.

Mr. Charlton is a great reader, and his memory for dates and incidents is remarkable. As showing the methodical habits of the man, he has kept a diary for the past 40 years, in which is recorded the daily temperature, morning, noon and night, as well as important occurrences of the day. His long business career has brought him in close relationship with nearly all the prominent men in the business, on both sides of the Atlantic, and his judgment on the merits of the newer introductions is eagerly sought by them. An interesting speaker, the younger men of today would find in him an ever ready source of information, freely given, when the best interests of horticulture are at stake. Associated with him are his two sons, Joe and John, both of whom take a very active part in the business. Joe Charlton is also president of the Charlton Nursery Co., which is a separate concern, and has practically no connection with the University ave. nurseries.



Greenhouses and Store of E. C. Campbell, Rochester, N. Y.

H. E. Wilson

Mr. Wilson established himself in the florist business about twenty-six years ago, since which time his name has become familiar with the flower loving public. His greenhouses, comprising about 100,000 ft. of glass, are located on Hudson ave., where he has also a fine store and conservatory. Connecting with these is Rochester's largest floral greenhouse, it being 35 ft. by 400 ft., divided into three sections, used for the growing of Ferns, Roses and Palms. Pot plants of every description are grown here, and besides, thousands of Holland grown bulbs are forced into bloom annually.

An exceptionally well fitted store has been occupied for about 18 years at 81 E. Main st., it having a tile floor and white enameled shelves and other fixtures. The store is situated in the busiest section of Main st., consequently a continual changing of the goods in the window and constant advertising in the local daily papers results in a large business. The amount of funeral work, of which the firm makes a specialty, necessitates the employment of a man purposely to do this work. The store is in charge of Ed. Wilson, who, from his many years of experience, is now considered to be one of Rochester's best store men.

When locating on Hudson ave. Mr. Wilson secured many acres of land, on which to grow his stock, but the land having become too valuable for the purpose designed, it has been cut up into building lots, upon which many substantial residences have been erected and sold.

A sixteen-acre farm in Irondequoit, a small suburb adjacent to Rochester, furnishes the necessary supply of soil, and many of the cut flowers in Summer, and is as well a place for the growing on of Carnation plants and hundreds of bedding stock plants which the firm uses in its greenhouses.

Recently Mr. Wilson purchased a few small greenhouses and three acres of land in another section of Hudson ave., and this with his many other holdings makes him somewhat of a real estate dealer. Although past his three score years and ten, Mr. Wilson takes an active interest in all his business affairs; and he likes nothing better than to go into a planted lot with a hoe alongside his men. He also takes a keen delight in driving his own auto on many a pleasure or business trip.

E. C. Campbell

This man of several other business enterprises, is one of Rochester's recent additions to its list of growers. His establishment, shown in the photograph herewith, is in charge of Fred Mossgraber, a young man who has been many years engaged in the growing end of the florist business.

Three years ago these houses, located at the corner of Thurston road and Chili ave., 15 minutes from the center of the city were built, in the midst of a rapidly growing residential section. Preparations are now being made for the tearing down of the two smaller houses, and erecting in their stead a dome roofed Palm house which, when complete, will be furnished with fountain and seats for customers and visitors. Connecting with this, a modern King construction house will be erected, extending to the boiler room, giving a house about 135 ft. by 35 ft. for the growing of a general line of plants.

In the greenhouses are grown early and late Chrysanthemums, standard varieties of Carnations, Adiantum, Boston Ferns, Lilies and all other general stock necessary for such a business.

Five acres of land are devoted to the cultivation of Carnation plants, thousands of Asters, Geraniums for stock, etc., the whole establishment furnishing employ-



Interior of Store of H. E. Wilson, Rochester, N. Y.

ment for six men, and a young lady in the office. The office or store building connected with the establishment is certainly a model of its kind, and is fitted up very conveniently, containing ice box, counter, show cases for jardinieres and ribbons, with large window space for display of plants. Visitors to this place will be cordially welcomed. Take the West ave. car to Gardiner ave., walking in a southerly direction, about four minutes.

Geo. J. Keller

Mr. Keller's place of business in located near the lower, or old gates of Mt. Hope Cemetery, nearly opposite the entrance to the grounds of Ellwanger & Barry, and is known generally under the style of the Mount Hope Florist. He has about 10,000 ft. of glass, a fine store and many cold frames, several of which latter have been connected with the hot water boiler, thus giving additional protection in really cold weather. These heated frames are very valuable, especially in Fall, when Chrysanthemums are in the houses, as the grower is enabled to keep his stock in equally as good shape in them as if in a greenhouse. When the 'Mums are thrown out, the other stock takes their place, thus utilizing the bench room immediately.

Mr. Keller has a fine cemetery trade, many of Rochester's oldest families being his customers. In 1876, his father, J. B. Keller, started a store near the present location, eventually moving across the street, where, in 1880, the present property was bought. A small greenhouse and store were built, and became the foundation of the present business. Regular employment is given to several men, to ensure the care necessary for many graves in the cemetery. Much attention is given to the growing of bedding stock in Spring, and blooming plants in Fall and Winter, as well as to the production of a liberal supply of cut flowers, all the surplus of which is later sent to the wholesale market. In all his years of business, Mr. Keller said, his stock of all kinds never moved so rapidly as it did last Spring, which speaks well for the quality of stock grown.

About five acres of land are cultivated, upon which are grown shrubs and perennials which furnish abundance of cut flowers during the Summer, as at the store a steady demand is felt for cut flowers at all times.

Mr. Keller is deeply interested in poultry of all breeds, and is quite prominently mentioned when the annual poultry show is held here, he many times having been appointed as a judge. He is also fond of fishing, and steals away from his business as often as he can during the Summer for a week's trip to Canada. His men stay with him for years, a fact which speaks well for him as an employer. He is enthusiastic in all that pertains to the good of the local florists' club, where he is quite popular, and although he is seldom heard from during the meetings his advice on subjects of various kinds is often sought.

Geo. Crooke Co.

This concern is located directly opposite the upper entrance to Mount Hope Cemetery, and an immense business is done for several months in the year in bedding plants of all descriptions for planting on the graves. John Suhr has charge of the growing end, in the greenhouses, of which there are five, where is grown as much bedding stock as possible, as well as Carnations Chrysanthemums, etc., for cut flowers. Adjacent to this establishment are several building lots, owned or rented by the company, on which are grown Asters, Sweet Peas, and such herbaceous plants as give an abundance of bloom. A large trade is done in made-up bouquets at 20c. and 25c. each, mostly on Saturdays and Sundays, the making of which creates much labor and requires forethought in securing the necessary cut flowers, thousands of which are weekly bought from wholesale growers.

Those who have noted the development of this establishment, which 12 years ago contained two greenhouses, 50 by 15 ft. each, to its present size, cannot but admire the business ability of the proprietors. Two fine stores are in front of the greenhouses, one used for the florist business, the other as a waiting room where soft drinks, candy, cigars, etc., are sold, and which is a source of revenue as well as a convenience to its patrons. From these greenhouses usually come the earliest Chrysanthemums in bloom in the city, a fact well known by all the retail stores, many of whom try to secure the entire cut. Caring for graves and cemetery lots during the Summer is quite a factor in the business, it being necessary to keep one man in the cemetery continually, to water and clean the mounds; and, as people will die, the chances are that this end of the business will grow larger every year.

Rochester Floral Co.

This company, organized about a year ago, is located in a store at 245 E. Main st., near convention headquarters. It is managed by R. W. Wilson, who was for about sixteen years in his father's store in another section of Main st. Since opening, the company finds that business has been quite good, although at this season of the year it is not very rushing. Mr. Wilson is also connected with real estate and mining interests, which keep him constantly on the move. In the store is a full line of jardinieres, plants of every description, and all facilities for doing a large business in floral designs and decorative work.

Geo. Boucher

Mr. Boucher is another of Rochester's younger men who has made a success in his chosen calling. He is now established in an elegantly fitted store in the Triangle Building, having two entrances, one at 345 E. Main st., the other at 10 East ave., where he has been located for about six months. He ventured into the florist business for himself about eight years ago, having part of a store occupied by the Jas. Vick's Sons, and business increased to such an extent that larger quarters were secured at various times, until now he has one of the best equipped places for a retail florist store in the city. Altogether, he has been connected with the florists' business about 19 years, having gained much valuable experience in the stores of H. E. Wilson during nine years, and at J. B. Keller's Sons four years, as decorator and designer.

One good sized greenhouse is connected with the store, this being located on Averill ave., where a geueral line of plants is grown. He buys most of his cut flowers from the local wholesale house, although arrangements were made several years ago with Hugo Teute, a grower, for the handling of his entire output of plants and flowers. This arraugement was found so satisfactory that plans are now made which will enable Mr. Teute to build two additional greenhouses this year in which to grow the amount of stock necesary for the store. Several clerks are kept busy in the store, as considerable out-of-town funeral work is made up, for which Mr. Boucher has an enviable reputation. Plants of every description are handled, as well as a full line of cut flowers, jardinieres, Fern dishes and other necessities found in a well equipped florist's establishment.

Thomann Bros.

Paul Thomann, an enterprising young florist, who has spent most of his life in his father's greenhouse establishment, opened a small but uptodate store at 3 Clinton ave. South, about two years ago. He is skilled in design and decorative work, and is kept busy continually, his store being located in the center of the hotel district and directly opposite the Seneca Hotel, where the S. A. F. has its convention headquarters. Emil Thomann, who for the past few years has had charge of a large private place in the Thousand Islands, recently gave up his position and entered into partnership with his brother. He has also spent a lifetime among flowers, and his ability should help much toward making a success of this business venture of the two young men. They are both hustlers, and have the well wishes of all local florists.

Chas. E. Fry, Barnard, N. Y.

This florist has been identified with Rochester's floral life for many years, and has been quite successful. His greenhouses are just over the city limits, and are surrounded by those of several other prominent growers. The range contains six houses, each 100 ft. long, devoted to the growing of Carnations during Winter and in the Spring, as occasion requires, one or two houses are devoted to bedding stock. Connected with this range are three acres of land used mostly for Carnations and other stock, while a short distance away five acres are under cultivation and contain early and late Asters. These, and in fact all of his cut flowers, are sold satisfactorily through the local commission house.

E. H. Ruestow & Co.

This firm is located on the Stone road, Barnard, within a few minutes walk from Charlotte boulevard, along which Rochester cars run quite frequently. Several years ago the greenhouses were used for the growing, exclusively, of bedding stock, but were later used for the growing of Carnations for blooms, in which the proprietors have been successful. Recently the three greenhouses have been enlarged and more heating pipe added, enabling the firm to carry out the idea of growing Asparagus for cut strings and sprays, in which a belief is held there is greater revenue. Some Carnation plants will also be housed this Fall. Connected with the houses are five acres of land, four of which are used for the growing of the Lawton Blackberry, in the development and marketing of which Mr. Ruestow says he has been very successful in the past three years, the crop maturing at a time when little else is going on at the establishment.

Geo. Bennett

Fifteen years ago Mr. Bennett started growing Carnations for the retail stores, he then having one small greenhouse, planted to Daybreak, which at that time was at the height of its popularity as a good commercial variety and was considered to be the "bread and butter" of many a grower. Today Mr. Bennett is independent of work, and although not idle considers himself able to get along very comfortably on his income.

He located on a small farm in Barnards, just outside the city, and by strict economy, hard work and the help of the willing hands of his brothers he became the largest grower of Carnations in this city, each year adding one greenhouse, until he had quite a range of glass, some of which was devoted to the growing of Violets, in which he was very successful.

Besides the growing of these flowers and the marketing of the same, most of which were taken by the firm of J. B. Keller Sons, much attention was paid to growing Strawberries, the fruit of which was also marketed in between times. Three years ago, Mr. Bennett sold his place to Clifford & Son, he having secured a ten-acre tract of land, reaching from Dewey ave. to Charlotte blvd., upon which he built the dwelling house in which he lives, and one greenhouse 30x250 ft., which is filled with the best standard varieties of Carnations. Much of this tract of land is now divided into building lots, and a street is cut through, known as Bennett ave., upon which Mr. Bennett has erected and sold several houses. He intends to devote most of his time from now on to the further development of his property. For a young man he has accomplished much, and deserves his earned reward. For many years he had the reputation of sending to the Rochester market the best Carnations grown in this vicinity.

The New Rose Mrs. Taft

This promising variety was sent out last Fall by Messrs. Levavasseur, Ussy and Orleans, France. It is a cross between Baby Rambler and Crimson Rambler, having foliage like Crimson Rambler. It is a healthy, free grower, and a continuous bloomer; its flowers, in trusses, are of a pleasing soft pink; it is double and quite attractive. "It is" says the raisers of both kinds, "superior to Baby Rambler in every respect, and is very valuable for pot culture, and equally desirable for massing in the garden." It has received a certificate of merit from the Royal Horticultural Society of London, England. Some of our eastern florists bloomed it last Winter and thing it very superior as a pot plant. It is recommended as a valuable variety.

Rochester, N. Y. JOHN CHARLTON & SONS.



Refectory at Seneca Park

To Our Florist Friends Returning From The Rochester Convention

WE extend to you a cordial invitation to visit our Newly Remodeled and Modern Seed Stores, 35 and 37 Cortlandt Street, New York, during our Gladiolus Exhibition to be held there during the week of August 22nd to the 27th.

We expect to show the flowers of about 200 Varieties, including the Standard Sorts, as well as some Rare and Beautiful Novelties in the Gandavensis, Childsii, Lemoinei and Groff Sections and also the unique new Blue Colored Gladiolus. If you are interested in these beautiful and popular flowers, it will be an exceptional opportunity for you to make your selections, checking them off our Gladiolus Guide which may be had free from the attendants.

Cordially Yours,

PETER HENDERSON & CO., 35 and 37 Cortlandt St., New York

Please mention the Exchange when writing.

Examine, before ordering your supply of Winter-Flowering Begonias

J. A. PETERSON'S TRADE DISPLAY

AT THE S. A. F. CONVENTION
IN ROCHESTER, AUG. 16th to 19th

New Begonia, Glory of Cincinnati

Begonia, Agatha

Begonia, President Taft

Begonia, Gloire de Lorraine

Also, New Dracaena Victoria

J. A. PETERSON, Wholesale Plant Grower, Cincinnati, O.

Please mention the Exchange when writing.

A Complete Line of Samples of

CRAIG'S SPECIALTIES

Will be Exhibited at Rochester

Including **Crotons, Begonia Lorraine, Cyclamens, Dracaenas** in variety, **Nephrolepis, Ferns** in variety, **Arecas, Ficus Pandurata, Phoenix Roebelenii,** etc.

The stock we are offering this year is of the very highest quality, and will positively please the most critical buyers, and we feel sure that all who see our exhibit will favor us with their valued orders.

Look For Us, We Will Look : For You :

The exhibit will be in charge of our
MR. WM. P. CRAIG
and
MR. DUNCAN MACAW

ROBERT CRAIG COMPANY

Branch, NORWOOD, PA. 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Hydrocyanic Acid Gas

In answer to a question on the subject a writer in the Market Growers' Journal presents the following as his experience in the handling of this gas:

Hydrocyanic acid gas is a topic on which much can be said, and very recent experiences and discoveries of the peculiarities of the poison are, I believe, of sufficient importance to make them public for the benefit of both amateurs and inexperienced growers, as well as those who, after some experience, may think they have learned all there is to learn about this method of fumigating greenhouses.

My experiments with cyanide have been on a large scale, and I have followed it very persistently for several years. I doubt very much whether any other grower has had the opportunities to study it and its various effects as I have, and I will say that readers can accept any points I have to say in this article as actual facts, not based on hearsay but proven or discovered by experience by myself. I say this particularly because there has been some difference of opinion on some points.

Hydrocyanic acid gas is produced by placing cyanide of potassium in a mixture of sulphuric acid and water. Stone jars are placed in the greenhouse with equal parts of acid and water in them. The cyanide is wrapped in packages of proper size and dropped into this diluted acid. Papers and all are dropped. The gas which is created by the acid decomposing the cyanide is deadly poison, but the paper package resists the acid for a few seconds, thus giving the operator a chance to get out of the house before the gas begins to rise. It is the only known method of exterminating white fly and is very efficient and frequently used for other greenhouse insects.

How to Fumigate with Gas

Common half gallon tall style earthenware jars are very satisfactory. Three, four and five jars per 100 feet of ordinary greenhouses, 20, 25 and 30 feet wide, are about the right numbers for the different widths; for instance, I use 12 jars for a house 25 feet wide and 300 feet long.

In each jar I put a trifle more than a half pint of sulphuric acid and an equal amount of water. An earthenware or glass dipper, if obtainable, is a handy measure. The acid will ruin an ordinary pail and dipper in less than no time. The jars should be evenly spaced through the house and the measure of water placed in them any time during the afternoon, but the acid should be put in one-half to three-fourths of an hour before you expect to put in the cyanide. When the acid and water are mixed they throw off a steam and the liquid gets very hot, but the steam is not poisonous and the mixture soon cools down somewhat. I say one-half to three-fourths of an hour before using the cyanide because the heat of the freshly mixed acid and water would set off the cyanide too quickly if it were dropped in too soon, causing a bubbling over and wasting, also a very strong instantaneous dose of gas, more likely to be injurious than beneficial. But on the other hand, if the water and acid have been cooled off entirely it will have lost much of its value and the fumigating may not be very effective. The cyanide is wrapped in double papers or tiny paper sacks, 1½ ounces to a package for ordinary dose and 2 ounces for heavier fumigating.

When ready to fumigate (the best time is late in the evening) see that all ventilators are closed and large holes stopped up, all pet animals, etc., out of the house. Have the doors at the other end of the house securely locked. Carry the packages in a small basket and go down to the far end of the house to commence. Take a last look to see that everyone is out and everything all right, then drop a package gently into the jar of acid and water. Walk carefully to the next and so on, so as to get quickly and carefully out of the house after dropping in the last one nearest the open door. Go out and lock the door or nail it up so none can get in that night.

Heating pipes should be set for the night before fumigating. This is usually easy to do by judging from the number used the night before to maintain the desired temperature.

It is safe to go in early in the morning although the odor can be detected very plainly. It is best to go in and open the vents a little, then come out for a while until the house is aired out a little.

The question is often raised as to the poison gas being strong enough to kill a person. In reply to this I will say that cyanide of potassium is the most deadly poison known. A touch to the tongue or a few breaths of gas from over the jar, it is said by the manufacturers, would cause instant death. So it is well to be awake and sober when using it. I am satisfied, however, that the gas after being diffused through the house as an ordinary fumigation would not be strong enough to cause death to a person, as I have known birds, toads and cats to be in it all night and be alive in the morning, but when using a very strong dose I have killed all birds and toads in the houses.

No death or serious illness has been recorded as yet from the use of cyanide in greenhouses, but it is very important that great care should be taken in handling the poison. Have the cyanide wrapped up by the druggist and keep it locked up until you are ready to use it. There are many grades and kinds of cyanide of potash. Ninety-eight per cent. quality is the kind wanted and the granular (ground fine like sugar) is decidedly the best. Order and insist upon *Cyanide Potassium 98 per cent. granular.* At wholesale prices it is worth something like 50 cents per pound and the sulphuric acid about 45 to 50 cents per gallon. But at retail prices it is somewhat higher.

There are many very important things about the use of the gas which everyone should study before using it. First of all is to have your house and plants dry when using it. The gas settles very quickly in moisture and if the moisture is on the foliage the results will be some burned foliage. If the soil and walks are wet but not the plants, the poison will settle to this moisture and no effect will be noticed on plants or insects. It is customary with most growers, especially florists, to sprinkle down their houses before fumigating with tobacco products, and it is a good plan, but when using cyanide it is exactly the opposite. You must have the houses and the plants dry. I find it best not to water or spray the day on which we expect to use the gas. I nearly ruined a part of a house of plants, which was wet, to protect it at one time, but the dry end was not injured in the least. At another time I injured a crop seriously by placing the packages in the liquid almost immediately after mixing it, using the same quantity as at other times when no harm was done. On very windy nights much strength will escape and the fumigating be ineffective.

Wrong kind of cyanide will do harm instead of good. If any crystallized particles are found in the bottom of the jars when emptying them outdoors next morning it will show that more acid should have been used to dissolve all the cyanide. The jars should be emptied the first thing next morning. An earthenware pail or pitcher will be found good to use for the acid. If any acid is spattered on the clothes it will burn a hole in them. If spattered on the flesh the burning can be stopped by washing it off quickly and applying grease or machine oil.

There are so many things to take into consideration that the same size dose may not have the same effect at different times and under different conditions. Some crops will stand more than others. It is best to use light doses at first, increasing the dose if necessary.

White fly are easy to kill with gas.

Red spider cannot be killed by it or any other fumigation that does not kill the plants also.

Other pests, such as mealy bug, mites, green fly or aphis, and thrip, can all be killed by it. Some growers argue that it will not kill thrip but I have cleaned my houses thoroughly of thrip when everything was just right. But at most times heavy doses are necessary to kill mature thrip, usually only the young ones are killed.

Some growers are surprised and disgusted to find insects a few days after using the gas. But they must remember that two or three fumigations are necessary to exterminate, for if all insects are killed by the first dose there will be eggs to hatch in a day or two and more again in a week. Fumigating does not affect the eggs. Lighter fumigations used regularly would keep the few insects from breeding and kill off the young so that none would get old and be hard to kill. Cyanide is more effective in a temperature of 50 to 60 than if higher. GROWER.

MEET US AT THE CONVENTION

Get a Line On All the Leading Varieties of Asters and Other Summer Blooming Plants

See Us About That Bulb Order

OUTSIDE of our Aster Business, no other Department of this Concern has grown so rapidly as our Holland Bulb Business. There is a good reason:—Florists can depend upon our stocks; our system of handling assures the correct filling of orders, consequently Florists who want the best stocks order more and more of us every year. We did not receive a single complaint in our Wholesale Department concerning Our Bulbs last season. Isn't that a good reason why you should give us Your Bulb Order this Fall? If you cannot come to the Convention, let us know what varieties you want and we will quote prices.

Now Ready

New Pansy Seed

All the leading Varieties of the Giant Strain of Mixtures

Vick's Superb Strain is the best. 1/16 ounce, 40 cents; ¼ ounce, 75 cents; ounce, $5.00.

Harrisii Lilies, 7x9, fine stock, $1.50 per dozen, $9.00 per 100.

Ready Soon

Candidum Lilies, per 100 $4.50, per 1000 $40.00.

Calla Lilies, large, selected bulbs; per 100, $9.00.

Double Roman Narcissus, per 100, $1.20; per 1000, $10.00.

Freesias, Mammoth, ¾ inch and up; per 100, $1.50; per 1000, $11.00.

Freesias, Large Size, ½ to ¾ inch; per 100, 90 cents; per 1000, $7.50

SEE US AT THE CONVENTION, OR WRITE

James Vick's Sons

Seedsmen, ROCHESTER, N. Y.

GOING TO ROCHESTER

See if your friends' names are here!

From Baltimore.

Bauer, F., and wife
Boone, James, and wife
Flitton, N. F.
Glass, James, and wife
Gregorious, C.
Kalb, George
Keplinger, Jacob
Lehr, Henry
Morrison, George, and wife
Moss, Isaac H., and wife
Nuth, John
Perry, J. J., and wife
Quick, Harry, and wife
Quick, Miss Mary
Richmond, Mack
Seybold, Chas., and wife
Tilton, Wallace, and daughter
Towner, James L.
Vincent, Richard, and wife

From Boston and Vicinity.

Bartch, Herman
Beasley, Mr. and Mrs. Chas. T., Norwich.
Campbell, Chester, I.
Clark, Tom
Dolansky, F. J.
Donahue, Pat
Edgar, W. P.
Elliott, Mr. and Mrs. W. H.
Farquhar, J. K. M. L.
Fisher, Mr. and Mrs. Peter
Fuller, Mr. and Mrs. J., Leominster.
Gage, L. Merton, Orange, Mass.
Gray, Thomas
Hannaford, Mr. and Mrs., Portsmouth.
Holmes, Eber
Leach, M. J., Pawtucket, R. I.
Macrae, John A., Providence, R. I.
McCormick, J. J.
Mitchell, Frank, Waterville, Me.
Montgomery, Alexander
Norton, M.
Patten, Mr. and Mrs. M. A.
Peglar, Mr. and Mrs. Thos.
Peirce, F. E., Norwood, R. I.
Peirce, Mr. and Mrs. E. A.
Pierson, Wallace, and party, Cromwell Conn.
Richards, Greenfield, Mass.
Robinson, Henry
Roland, Thomas
Sanborn, F. N.
Sim, Wm.
Sinclair, G. H., Springfield, Mass.
Ward, Mr. and Mrs. W. C.
Welch, P.
Wheeler, Wilfred
Wilson, Fred. T., Nahant, Mass.
Wood, Elijah

From Chicago.

Asmus, Geo.; Bahr, Fritz; Barker, Michael; Bruns, H. N.; Deamud, J. B.; Degnan, John; Fink, Mike; Graff, Wm.; Howard, H. B.; Huebner, John; Keimel, Mr.; Lautenschlager, Fred.; McKellar, Mr. and Mrs. Chas.; Olsen, Mr. and Mrs. P.; Poehlmann, Adolph; Poehlmann, Mr. and Mrs. August; Poehlman, Mr. and Mrs. John; Prunner, Clifford; Pyfer, Mr. and Mrs. A. T.; Rudd, W. N.; Svenson, Gustav; Tonner, Miss; Vaughan, L. H.; Vaughan, Lloyd; Vaughan, Mr. and Mrs. J. C.; Vogel, T.; Washburn, C.; Wienhoeber, E.; Winterson, E. F.; Yarnall, T. C.

Outsiders: Blackman, Geo., Evansville, Ind.; Temple, J. T., Davenport, Ia.; Olsen, O. J., St. Paul, Minn.; Valentine, J. A., Denver, Colo.

From Cincinnati.

Heckman, Albert, Jr.
Critchell, Chas.
Greensmith, Herbert
Kyrk, Mr. and Mrs. Louis
Kyrk, Miss Edith
Murphy, Mr. and Mrs. Ray
Peterson, Rodger
Peterson, Mr. and Mrs.
Pfieffer, Miss
Sunderbruch, Albert
Walke, Mr. and Mrs. Otto
Westrich, Frank

From Detroit and Vicinity.

Breitmeyer, Mayor Philip, Detroit
Carey, Mr. and Mrs., Mt. Clemens, Mich.
Charvatt, Louis, Detroit
Cushman Bros., Euclid, O.
Fetters, Mr. and Mrs., Detroit.
Hielscher, Wm., Detroit
Matthews, Mr. and Mrs., Dayton, O.
Patton, Mr. and Mrs., Toledo, O.
Rahaley, Rob., Detroit
Scribner, Mr. and Mrs., Detroit
Sullivan, Norman, Detroit
Taepke, Sr., Mr. and Mrs., Detroit
Winterich. Mr., Defiance, O.

From Fulton, N. Y.

Perkins, G. W. Wetherby, C. R.

From Jamesville, N. Y.

Miller, Sr. Miller, T. M.

From Milwaukee, Wis.

Holton, F. H. Pollworth, C. C.
Mueller, August Zweifel, Nic.

From New Orleans, La.

Eble, Mr. and Mrs. C., and daughter Corinne; Papworth, Mr.; Virgin, Mr. and Mrs. U. J.; Wischers, S.

MAP OF ROCHESTER SHOWING POINTS OF INTEREST



1. Convention Hall.
2. Seneca Hotel, S. A. F. Headquarters.
3. N. Y. C. R. R. Station.
4. Sibley, Lindsay & Curr, Dry Goods.
5. J. B. Keller Sons' Store.
6. Salter Bros.' Store.
7. Geo. Hart, Wholesale Florist.
8. Jas. Vick's Sons' offices.
9. Powers Hotel.
10. Aqueduct.
11. Highland Park.
12. Maplewood Park.
13. Seneca Park.
14. Genesee Valley Park.
15. Upper Falls.
16. Lower Falls.
17. University of Rochester.
18. Baptist Theo. Seminary.
19. Four Corners and Court House.
20. Post Office.
21. Chamber of Commerce Bldg.
22. Lyceum Theatre.
23. Cook Opera House.
24. National Theatre.
25. West High School.
26. East High School.
27. Public Market.
28. Duffy, Mcluerney Co., Dry Goods.
29. Armory.
30. Baseball Grounds.
31. J. B. Keller Sons' Greenhouses.
32. F. Schlegel Sons' Greenhouses.
33. Salter Bros.' Greenhouses.
34. H. E. Wilson Greenhouses.
35. Chas. Suhr Greenhouses.
36. Geo. J. Keller Greenhouses.
37. W. S. Kimball's Greenhouses, where there is a wonderful collection of Orchids.

From New York and Vicinity.

Allen, Mr. and Mrs. J. K., New York
Badgley, Mr. and Mrs. W. G., Chatham, N. J.
Barrue, Mr. and Mrs., and two daughters, Brooklyn, N. Y.
Beasly, Mr. and Mrs.
Berry, R. E., New York
Birnie, Mr. and Mrs. John, W. Hoboken.
Blake, Mr. and Mrs. G. H., and child, Brooklyn, N. Y.
Boehler, Oscar, West Hoboken, N. J.
Bolles, F. A., Flatbush, N. Y.
Bonnet, Mr. and Mrs. C., and two children, Brooklyn, N. Y.
Bunyard, H. A., New York
Dallas, Alexander
Dean, Mr. and Mrs. James, Brooklyn.
De La Mare, A. T., New York
DeMeusy, Mr. and Mrs., Flatbush, N. Y.
Donaldson, Mr. and Mrs. John, Elmhurst, L. I., N. Y.
Dreyer, G., Woodside, L. I., N. Y.
DuRie, W. B., Rahway, N. J.
Eger, Julius, Schenectady, N. Y.
Enggren, Mr. and Mrs. E. L., Woodhaven, N. Y.
Ernst, Mr. and Mrs.
Esler, John G., Saddle River, N. J.
Esler, Miss Nellie, Saddle River, N. J.
Fenrich, Jos., New York
Ferry, Chas. E.
Fiesser, J. H., Weehawken, N. J.
Froment, Horace E., New York.
Fulmer, Miss Pearl, Des Moines, Ia.
Garreau Bros., Jersey City, N. J.
Hammond, Benj., Fishkill-on-Hudson.
Hendrickson, Mr. and Mrs. I. S., Floral Park, N. Y.
Henshaw, A. M., New York
Keefe, Mr. and Mrs., and daughter, Madison, N. J.
Kessler, P. F., New York
Kessler, Wm., New York
Kuebler, Wm. H., Brooklyn, N. Y.
Leach, John, Jersey City, N. J.
Manda, J. A., West Orange, N. J.
Manda, W. A., South Orange, N. J.
Manker, Frank, Brooklyn, N. Y.
Miesem, John, Elmhurst, N. Y.
Miller, A. L., Brooklyn, N. Y.
Moltz, Mr. and Mrs. A., New York
Nugent, J. B., Jr., New York
O'Mara, Patrick, and sister, New York.
Peppet, Mr. and Mrs. J. H., New York
Phillips, Mr. and Mrs. John V., and daughter, Brooklyn, N. Y.
Piorkovsky, F. H., White Plains, N. Y.
Powell, Mr. and Mrs. I. L., and son, Millbrook, N. Y.
Reimels, Mr. and Mrs. John, Woodhaven, N. Y.
Rickards, W., New York
Schmutz, Mr. and Mrs. L., Flatbush, N. Y.
Schroeder, Chas. R., Northville, N. Y.
Schunemann, Mr. and Mrs. Geo. T., Baldwins, N. Y.
Schultheis, Anton, College Point, N. Y.
Schultheis, E. D., and party of four from Scranton, Pa.
Schultz, R. M., Madison, N. J.
Shaw, J. A., Brooklyn, N. Y.
Sheridan, Walter F., New York
Siebrecht, Mr. and Mrs. W. H., Astoria.
Siebrecht, Jr., Mr. and Mrs. W. H., N. Y.
Steinhoff, H. C., West Hoboken, N. J.
Totty, Mr. and Mrs. C. H., Madison, N. J.
Traendly, Mr. and Mrs. J. M., New York
Turner, Harry, Port Washington, N. Y.
Weathered, C. B., New York
Weber, Mr. and Mrs. Chas., Lynbrook.
Weir, Mr. and Mrs. J. F., Brooklyn, N. Y.
Weston, Mr. and Mrs. Henry, Hempstead.
Williams, H., Baldwinsville, N. Y.
Young, John, New York
Young, Robert J., New York
Zeller, Alfred, Brooklyn, N. Y.

From Oswego, N. Y.

Beckstedt, Karl; Campbell, P. G.; Stewart, W. D.; Workman, Walter H., and wife; Workman, W., Jr.

From Philadelphia.

Adelberger, Mr.; Batchelor, Mr.; Connor, Dennis; Craig, Sr., Mr. and Mrs. Robert; Craig, Wm. C.; Dodds, Mr.; Fancourt, Edward J.; Fruenwald, Adolph; Flanagan, Mr., and grandson; Graham, Mr.; Heacock, Jos.; Michell, F. J., Sr.; Merritt, Mr.; Niessen, Leo.; Pyle, Robert; Robertson, Mr.; Rosnosky, L.; Shober, Theo.; Sihson, Mr. and Mrs. John; Watson, Geo.; Westcott, John.

From Pittsburgh, Pa.

Burki, Fred., and sons
Crissman, George
Fitzgeralds, T. M., and sons
Fuchs, Mr. and Mrs. Jacob
Jones, J. W.
Ludwig, Mr. and Mrs. E. C.
Ludwig, Mr. and Mrs. J. W.
Randolph, Snoden, and son
Reineman, Mr. and Mrs. E. C.

From Skaneateles, N. Y.

White, J. C.

From St. Louis.

Ammann, J. F.; Bruening, F. W.; Denker, Edwin; Irish, H. C.; Koenig, Otto G.; Meinhardt, F. H.; Meinhardt, Miss Matilda; Ossie, Wm.

From Syracuse, N. Y.

Alexander, Mrs.; Bannister, of Bannister Bros.; Bard, B.; Bartholome, Gus., and wife; Bellamy of Bellamy Bros.; Brown, H.; Bultman, W. F.; Burt, Alfred and W.; Day, W. E.; Dwyer, Ed.; Meneilly, W., Sr. and W., Jr., Hugh and John, of Meneilly & Son; Phillips, G. M.; Silliman, C. T. and W. M., of Silliman Bros.

From Utica, N. Y.

Baker, F. J.
Graham, John O., Little Falls, N. Y.
McGowan, Frank
Rowlands, W. A.
Snell, W. D., Herkimer, N. Y.

The CONARD & JONES COMPANY

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200,000 ROSES and SHRUBS

FALL OF 1910

Boxing charged at cost.

		Per dozen	Per 100	Per 1000
ALTHEA (Double) Jeanne d'Arc	3 to 4 ft.	$1.25	$8.00	$70.00
	2 to 3 ft.	1.00	6.00	55.00
	18 to 24 in.	.75	5.00	40.00
ALTHEA (Double) Banner	3 ft. and up	1.25	8.00	70.00
	18 to 24 in.	.75	5.00	
ALTHEA bicolor	18 to 24 in.	.75	5.00	40.00
ALTHEA Pink	2 to 3 ft.	1.00	6.00	55.00
	18 to 24 in.	.75	5.00	40.00
ALTHEA (Double) Red	3 to 3½ ft.	1.25	8.00	
	2 to 2½ ft.	1.00	6.00	
	18 to 24 in.	.75	5.00	
ALTHEA Meehanii	10 to 12 in.	1.00	6.00	
ALTHEA Compte de Flanders	2 to 3 ft.	1.00	6.00	
	18 to 24 in.	.75	5.00	
BERBERIS Thunbergii	12 to 18 in.	.75	5.00	45.00
	12 to 15 in.	.65	4.00	35.00
Our Berberis is made from cuttings and is very bushy.				
DEUTZIA gracilis	18 to 24 in.	.75	5.00	45.00
	12 to 18 in.	.65	4.00	35.00
DEUTZIA gracilis rosea	2 to 3 ft.	1.00	6.00	50.00
DEUTZIA Lemoinii	2 to 3 ft.	.75	5.00	40.00
	18 to 24 in.	.65	4.00	30.00
DEUTZIA flore pleno crenata	3 to 3½ ft.	1.00	6.00	
	2 to 3 ft.	.75	5.00	
	18 to 24 in.	.65	4.00	
DEUTZIA, Pride of Rochester	3 to 4 ft.	1.00	6.00	
	2 to 3 ft.	.75	5.00	
FORSYTHIA, Golden Bell	4 to 5 ft.	1.50	9.00	
	3 to 4 ft.	1.25	8.00	
	12 to 15 in.	.75	5.00	
HYDRANGEA paniculata grandiflora	3 to 3½ ft.	1.50	9.00	
	2½ to 3 ft.	1.25	8.00	
	2 to 2½ ft.	1.00	6.00	
	18 to 24 in.	.75	5.00	
	15 to 18 in.	.65	4.00	
PRIVET (California) 2 yrs. bushy	2 to 4 ft.		3.50	
2 yrs. bushy	2 to 3 ft.		2.50	20.00
	18 to 24 in.		2.00	15.00
PHILADELPHUS coronarius (single)	2 to 3 ft.	.75	5.00	
flore pleno (Double)	2½ to 3 ft.	.75	5.00	
	18 to 24 in.	.65	4.00	
STYRAX Japonica	2½ to 3 ft.	1.50	10.00	
	24 to 30 in.	1.25	8.00	
SPIRAEA Anthony Waterer	24 to 30 in.	1.25	8.00	75.00
	6 to 8 in.	.75	5.00	
SPIRAEA Van Houttei	3 to 4 ft.	1.25	8.00	65.00
	2 to 3 ft.	1.00	6.00	50.00
	12 to 15 in.	.75	5.00	40.00
SPIRAEA prunifolia	3 to 4 ft.	1.25	8.00	65.00
	2 to 3 ft.	1.00	6.00	50.00
	18 to 24 in.	.75	5.00	40.00
	12 to 15 in.	.65	4.00	
SPIRAEA, Blue	2 yr.	1.25	8.00	
	1 yr.	.75	5.00	
VIBURNUM plicatum	5 to 6 ft.	2.50	18.00	
(Excellent)	4 to 5 ft.	2.00	15.00	
	3 to 4 ft.	1.75	12.00	110.00
	2 to 3 ft.	1.50	10.00	90.00
	1 yr.	1.00	6.00	55.00
VIBURNUM Opulus sterilis	2½ to 3 ft.	1.00	6.00	
	2 to 3 ft.	.75	5.00	
WEIGELA Eva Rathka	2 to 3 ft.	1.25	8.00	
	2 to 2½ ft.	1.00	6.50	
	18 to 24 in.	.75	5.00	
	12 to 18 in.	.65	4.00	
WEIGELA rosea	18 to 24 in.	.75	5.00	
WEIGELA rosea variegata	3 to 4 ft.	1.75	12.00	
	3 to 3½ ft.	1.50	10.00	
	2½ to 3 ft.	1.25	9.00	
	18 to 24 in.	.75	5.00	
TREE BOX	2 ft.	3.00	25.00	
JAPAN IRIS (Kaempferi)	1700 clumps, in 24 different varieties; send for list. A Bargain.			

Price List of Hardy Climbers,

		Per dozen	Per 100	Per 1000
HONEYSUCKLE, Heckrotti	2 yr.	$1.00	$6.50	$55.00
	1 yr.	.75	5.00	40.00
HONEYSUCKLE, Red Coral	2 yr.	1.00	6.00	50.00
	1 yr.	.65	4.00	35.00
HONEYSUCKLE, Golden Leaved	3 yr.	1.25	8.00	70.00
	2 yr.	1.00	6.00	50.00
	1 yr.	.65	4.00	35.00
HONEYSUCKLE Halliana	2 yr.	1.00	6.00	50.00
	1 yr.	.65	4.50	40.00
HONEYSUCKLE, Evergreen	2 yr.	1.00	6.00	50.00
	1 yr.	.65	4.50	40.00
AMPELOPSIS Veitchii	2 yr.	1.00	9.00	
EUONYMUS Japonica	2 yr.	1.00	8.00	
Radicans	2 yr.	1.00	8.00	
Radicans Var.	2 yr.	1.25	10.00	

ROSES—

PHILADELPHIA RAMBLER, DOROTHY PERKINS, MAY QUEEN, RUBY QUEEN, TRIER and **LADY GAY,** 4 to 5 ft., $15.00 per 100.

NORTHERN LIGHT, GARDENIA and **WHITE RAMBLER,** 4 to 5 ft., $12.00 per 100.

CHARLES WAGNER and **SIR THOS. LIPTON,** 3 to 4 ft., $15.00 per 100.

ALBA RUBIFOLIA, UNIVERSAL FAVORITE and **YELLOW RAMBLER,** 3 to 4 ft., $8.00 per 100.

VIOLET BLUE (Field), $15.00 per 100, 1 year; $25.00 per 100, 2 years.

BIRDIE BLYE (Field), $10.00 per 100, 1 year; $15.00 per 100, 2 years.

HIAWATHA, 1 year, $12.00 per 100.

AMERICAN PILLAR, 1 year, $20.00 and $35.00 per 100.

SPECIALS

ANNY MULLER, 12 to 18 in. at $12.00 per 100.

ROSA RUGOSA MAGNIFICA, 18 to 24 in. at $25.00 per 100 (2½ in. pots, at $7.00 per 100.)

SPINOSISSIMA, Red, 18 to 24 in. at $12.00 per 100.

ALICE ALDRICH, 2 to 3 ft. at $12.00 per 100 (2½ in. pots, at $4.00 per 100.)

Please mention the Exchange when writing.

DO NOT MISS SEEING OUR EXHIBIT of

GLADIOLUS BLOOMS

During the Convention of S. A. F. & O. H.

JOHN LEWIS CHILDS, Floral Park, L. I., N. Y.

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WINTERSON'S

45-47 and 49 Wabash Ave.

CHICAGO, ILL.

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Grafted Rose Plants

Very Choice Strong Young Plants

	Per 100		Per 100
400 Richmond, 3-in. pots	$12.00	2000 Pink Killarney, 3½ and 4-in. pots	$15.00
500 Pink Killarney, 3-in. pots	12.00	1000 White Killarney, 3½-in. pots	15.00

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN

Office and Store, 76 Wabash Ave., CHICAGO

Greenhouses—HINSDALE, ILL.

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Order Now—For Fall Delivery

Lily of the Valley

Amaryllis, Begonias and Gloxinias

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SACKMAN, P. O. Box 21 Secaucus, N. J.

Please mention the Exchange when writing.

20,000 FERNS

	4-inch	5-inch	6-inch	7-inch	
Bostons	$12.00	$25.00	$40.00	$60.00	Prices by the 100
Whitmani	12.00	25.00	40.00	60.00	
Scottii	15.00	30.00	40.00	75.00	

J. D. BRENNEMAN, P. O. Box 24, Harrisburg, Pa.

Please mention the Exchange when writing.

FERNS

NOW READY

Heavy, Large Plants, from bench, $25.00 per 100.

BOSTON, SCOTTII and WHITMANI

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

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FERNS READY NOW

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.

SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.

3601 GERMANTOWN AVENUE

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Light--Strong--Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst, like old-style wrapped duck construction. Made in continuous lengths up to 500 feet, which gives you any length you want and avoids leaky couplings.

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REVERE RUBBER CO., Boston, Mass.

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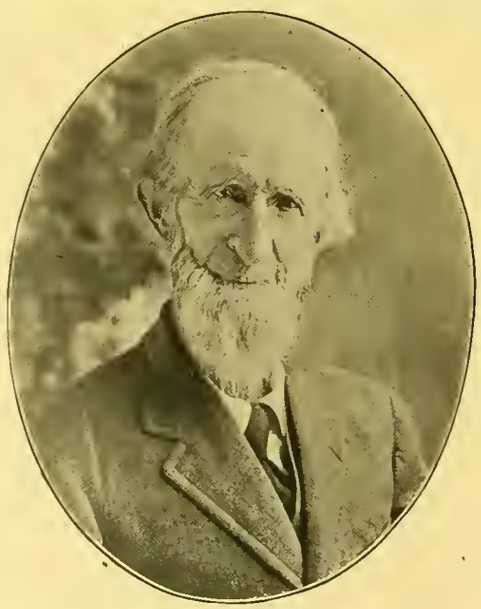
A Veteran Horticulturist

One of the oldest and best known native plant collectors of this country, Wm. F. Bassett of Hammonton, N. J., has just celebrated his eighty-fifth birthday anniversary. Mr. Bassett was born in Ashfield, Franklin County, Mass. Up to the age of thirty-five he was engaged in general farming in his native town. In 1861 he moved to Vineland, N. J., being one of the pioneers of that thriving town. He remained there for a year and a half, opened the first store, and had charge of the first post office. He exchanged his property there for his present home, and commenced buying and selling small fruit plants. He handled as high as 1,500,000 Wilson's Albany Strawberry plants in a single season, besides many thousand Blackberry plants. When the Agriculturist Strawberry was first introduced, he bought 1000, paying $100 for them. He was regarded by his neighbors as impractical and visionary on account of this transaction, but made a good profit on the deal.

At this time Mr. Bassett was accustomed to write for the best horticultural publications and came to know some of the leading men in the trade in this way. On his first trip to Atlantic City he met the late Henry A. Dreer, who introduced himself on the train. On this trip he made an agreement to supply Dreer with Agriculturist Strawberry plants, and this was the beginning of future cordial business relations, which continue to the present day.

Always interested in native plants, Mr. Bassett frequently carried specimens of wild flowers on his business trips to Philadelphia. Through these he made the acquaintance of I. C. Martindale, a former cashier of the Third National Bank of Camden, N. J., an enthusiastic botanist. He also made the acquaintance of J. D. Eisele, then a clerk in the Dreer store in the same way. This led to frequent excursions to the fields and swamps adjacent to Hammonton, in which other prominent botanists joined, among whom the late Dr. J. Bernard Brinton seemed to be the leader.

The first visit to Hammonton by Thomas Meehan and Josiah Hoopes was unexpected by Mr. Bassett. After making themselves known, they remarked that they did not want to see cultivated plants, nothing but wild ones. This visit led to an arrangement to collect native plants for these men, and it was the first start in a prosperous business. As G. C. Woolson of Passaic, the only native plant collector in the country at that time, has since dropped out of it, Mr. Bassett is not only the oldest collector in years, but has been longer in the business than any other. His reputation is second to none, and



Wm. F. Bassett, Hammonton, N. J.
Taken in his 85th year.

he has introduced many valuable new plants, among which are Hibiscus Crimson Eye, Centrosena grandiflora, and many new Dahlias. He was one of the earliest to recognize the value of Dahlias as cut flowers, and annually ships thousands of this now popular Autumn flower to the Philadelphia flower market. The following standard varieties are among the many originated by Mr. Bassett: American Flag, Fern-leaved Beauty, Frank L. Bassett, Olympia, Black Diamond, Eloise and Progress, all of that high quality which has made "Bassett's Dahlias" a synonym of perfection in Dahlias.

Frank L. Bassett, the eldest son, was associated with his father in business until 1897, when he died, since which time Mr. Bassett has been assisted by his other two sons, but continued in active management until his eighty-fifth birthday, which occurred on July 11 of the present year. The business is now represented by George William Bassett, youngest son of William F., whose specialty is native plants, of which he grows quantities for landscape work, and Dahlias. J. Murray Bassett, another son, makes a specialty of Dahlias and hardy plants.

Mr. Bassett is at present on a well-earned vacation, in New Hampshire and Massachusetts, visiting his old home and other places.

British Parcels Post

Consul-General John L. Griffiths, of London, in answer to an inquiry from Iowa, furnishes the following information covering the parcels-post system of the United Kingdom:

The parcels-post business transacted through the British post-office in 1909 was as follows: Parcels forwarded, 2,808,051, of which 221,639 were insured; parcels received, 1,534,042, of which 140,782 were insured; total parcels forwarded and received, 4,342,093, an increase of 89,732 over the preceding year, and an increase of 15,227 parcels insured.

The following statement shows the value of the goods exported from and imported into the United Kingdom by parcels post during the past three calendar years:

Parcels	1907	1908	1909
Exported	$22,575,289	$24,685,715	$25,163,630
Imported	7,473,294	7,124,303	7,029,640
Total	$30,048,583	$31,810,018	$32,193,270

The extensions of the system in 1909 were as follows: With Russia in Asia and with northern Manchuria and Japan by way of Siberia. Improvements were made in the system with Egypt, Portuguese East Africa, Dutch East Indies, Argentina, and Panama. Negotiations are in progress with Honduras, Peru, Brazil, and Cuba for increasing the present facilities.

There has been a very great growth in the number of parcels sent from the United Kingdom to the United States by reason of the revision of the rates of postage, and the increase in the maximum weight from 4 pounds 6 ounces to 11 pounds.

Yet, despite this showing, our lawgivers here do not or will not see the value of Parcels Post to the citizens of the United States.

F. E.—Best Advertising Medium







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of the

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1910—FOR THE SEASON—1911

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"Aphine"

All Florists must adopt it

Aphine will positively kill Green, Black and White Fly, Red Spider, Thrips, and Scale. It kills the insects but will not injure the tenderest flower or foliage.

Price $2.50 per gallon.

Get it from your seedsmen; if they cannot supply it, write us for name of nearest Selling Agency.

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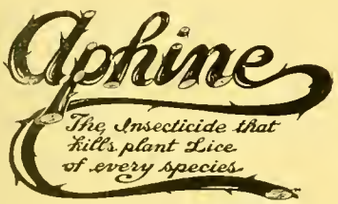
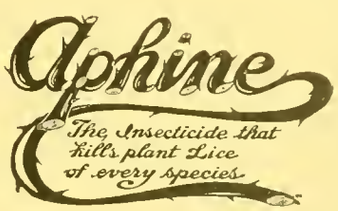
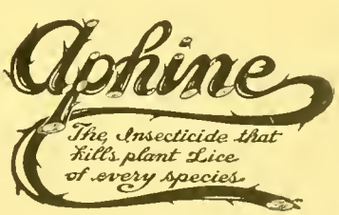
MADISON, N. J.

Aphine is endorsed by leading Entomologists, Floriculturists and Horticulturists everywhere

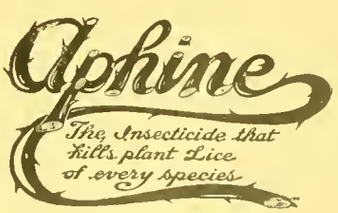






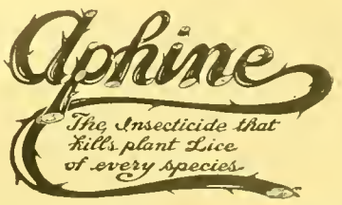












Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

Fig. 56 shows in detail a good method of constructing the mortises and tenons of the sash. N shows the tenon on the intermediate bar B, and L shows the tenon on the top rail T. The tenon of the bottom rail is formed in the same manner; O shows the mortise in top rail to receive the intermediate bar B, the bottom rail is not mortised for this bar, but the bar is cut so as to allow the tongue of same to lap on the bottom rail and then securely nailed in place. M shows the mortise in the side rail S, which is the same for both the top and bottom rails, as it will be seen this is intended to show a blind mortise, that is, it is not cut entirely through the side rail. This gives a neat finish to the sash, but many sash are made with the tenon passing entirely through the rail; and if the end is kept well painted, it makes a good durable sash, although not quite as neat looking as the blind mortise. Where the mortises and tenons are formed, they should both be well leaded before assembling, and, after assembling, should be secured with steel dowels.

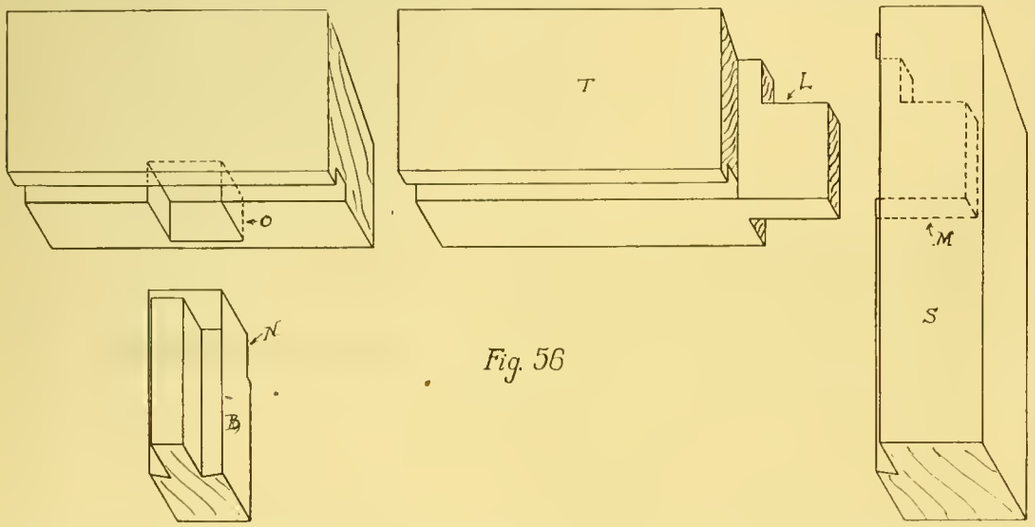


Fig. 56

Fig. 57 shows the relation between the roof ventilating sash and header and the ridge, when arranged to open at the ridge. In this case it will be seen that ridge 3 is used, and each pair of the roof sash or glazing bars, 17, are secured to the ridge by means of a 1″x1⅛″ iron plate, T, with three 3-16″x1½″ lag screws.

The vent header C is gained and fitted to the roof bars in the same manner as described in connection with vent header, 4, and is so placed that the bottom rail, A, of sash will rest upon same in such a manner that the drip, D, from sash will be caught by the vent header and pass out on top of the roof glass through V notches B, as previously described.

Three vent butts for each sash are let into this header, as shown at H, and secured to same and also to the bottom rail A with screws. It will be seen that the ridge cap J, which is secured to the top rail T of the sash, overlaps ridge 3, forming a thorough protection from the weather. Sash hinged in this manner is generally placed alternately on each side of the ridge; this will be better understood by referring to Fig. 58, which shows a broken view of the roof of the house. The dotted line R shows the center of the ridge, which is capped by the ridge cap J, and when the sash are closed it forms a continuous cap the full length of the ridge.

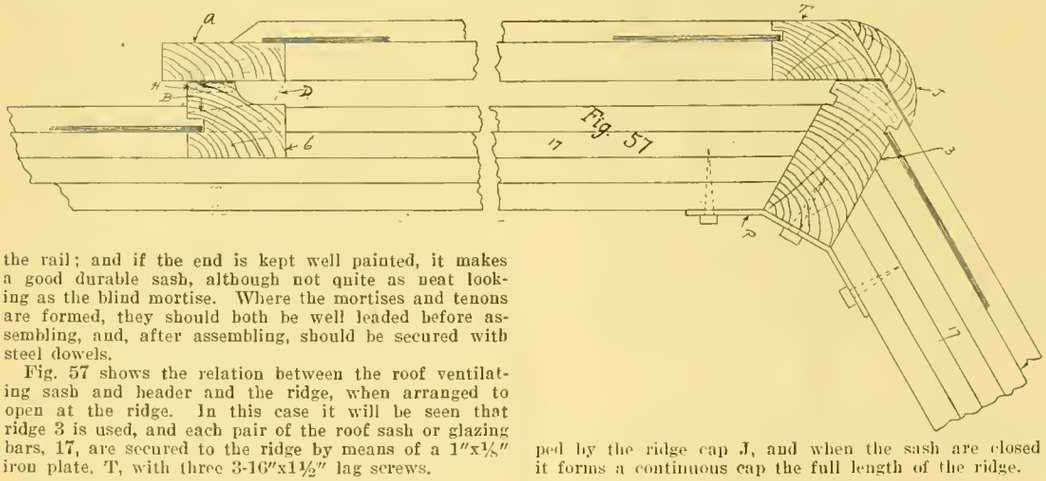


Fig. 57

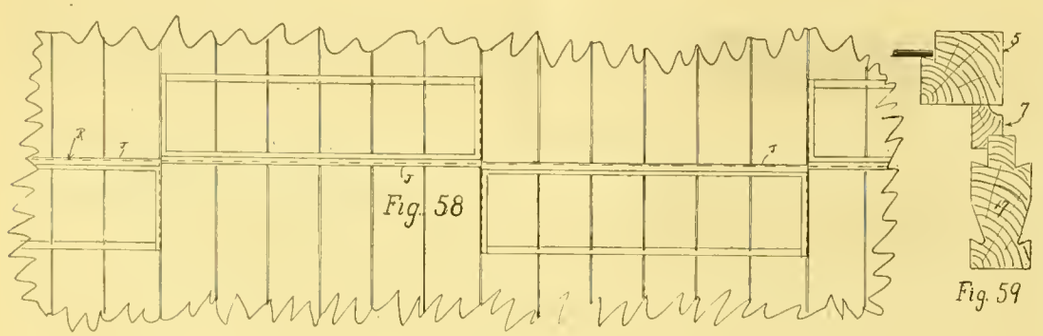


Fig. 58

Fig. 59

It will be apparent from this plan that the vent header, C, is made just the length of each sash and should be firmly secured to each bar. Each of the side rails of the sash rests upon a weather strip, 7, as shown in Fig. 59. This weather strip extends from the ridge, 3, to the vent header, C, and is firmly secured to the roof bar, 17, and should be well leaded before being placed in position. We have now given sufficient information to assist a grower to erect a 20 ft. wide, all wood house, and should it be desired to construct a wood house of greater width than this, the only data lacking would be in connection with the arrangement of the roof supports and this would be the same as in connection with a semi-iron or half iron frame house, the consideration of which we will take up next.

New Rose Juliet

Roses were a splendid feature of the recent R. H. S. show, and the sensation of the exhibition was Juliet. I have previously referred to this novelty of Wm. Paul & Sons, but the blooms as shown at Holland House were far superior to those exhibited earlier in the year. I happened to be chatting to a German Rose grower when we came upon Juliet, and my companion literally gasped and clicked his tongue like a laying hen. Mr. E. G. Hill also expressed his amazement at the wonderful coloring. The true color of Juliet is cerise scarlet with old gold reverse—and with sunlight upon the flowers the color literally glows like flame.

Juliet is a hybrid from Soliel d'Or, having the form of a true H. P. It is purely a garden Rose, and will not prove suitable for forcing as the color comes washy. Outdoors, however, Juliet is bound to make a name, for it comes its true color in the sunlight and grows like a weed. To use my German friends simile, Juliet is the Rose of the Century, and at $2.50 each a great number of orders were there and then booked. T. A. W., Eng.

Books Received

BAGATELLE ET SES JARDINS (Bagatelle and Its Gardens). Pamphlet, 120 pp. Published by the Librairie Horticole, Paris. Price 1 franc, with foreign postage 1.40 francs (about 28c.). Illustrated.

Whatever the French do, is done with a certain grace, and this handsome guide book to Bagatelle and its gardens is no exception. It is both a guide to the Bagatelle of today, with its gardens and its famous rosary, and a history of the brilliant Bagatelle of former days, the pleasure house of princes under the old régime. In a rapid review the varying fortunes of this small chateau on the outskirts of Paris are retold, with the inimitable French vivacity of style, from the time it first emerges into view, about 200 years ago, down to 1906, when the building with its extensive grounds was finally acquired by the city of Paris, as a flower garden for its people.

Most widely known among its collection of plants is the rosary. The foundation for this was a gift of 1200 selected varieties of Roses, and out of this as a nucleus the present assortment has grown. One can see here Roses that were popular 100 years ago, different from those which we now admire, and whose names even are hardly remembered. Standing out in this list of faded reputations are Gloire de Dijon, 1853; Général Jacqueminot, 1854; Maréchal Niel, 1861, and La France, 1867.

The rosary being intended as a collection of the most characteristic types, the new creations also must be taken into account, and so was established the annual concourse, when a jury of Rose specialists assembles to judge the novelties of the year, and to award a gold medal, or the Bagatelle medal, to the most beautiful or the most perfect Rose sent in. But this concourse is not a horticultural exposition to which the Roses are sent after having been especially grown for this purpose. Bagatelle has an entirely different object in view, namely, to show the possibilities of the new Roses as cultivated outdoors, under ordinary conditions, so that they may be judged not only as to the beauty of their flowers, but also as to the vigor of the plants, their hardiness, their resistance to parasitic diseases, their more or less abundant florescence; in short, that their merits and defects as garden plants may become known. Two beds are reserved for the new varieties, which are watched and examined for two years before they are classified, and before they receive the gold medal and are admitted finally into the rosary, according to their merits. The Roses which so far have received the medal are: In 1907, Marquise de Sinéty, by Pernet-Ducher; in 1908 Rhea Reid, by E. G. Hill; in 1909, Lyon-Rose, by Pernet-Ducher; and Mme. Segond-Weber, by Soupert and Notting.

Not the least interesting chapter of this attractive book is the last one, entitled "Some Thoughts on Modern Gardens." There is a publisher's notice to the effect that the price of one franc, which is very modest indeed for such a sumptuously furnished book, will be increased after the first edition is exhausted. K.

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Let us figure with you on our

Steel Truss Construction

Which does away with all interior roof posts.

In the wood for roof and wall construction, you cannot get anything better than our

Gulf Red Cypress

Ventilating Machinery, Iron Fittings, Pipe, Glass, Hot-Bed Sash, Pecky Cypress for Bench Material

THE FOLEY MFG. CO., Western Avenue near 26th Street Chicago, Ill.

Please mention the Exchange when writing.

Street Trees

In a recent issue of The Binghamton Press is a letter from Prof. John Craig, of Cornell University, who has been engaged in examining the condition of the shade trees of Binghamton, N. Y. He finds the chief trees used are American White Elm and Sugar Maple, with lesser numbers of American Linden, Silver Maple, Oaks, Poplars, Ash, etc. After a full examination of all the trees used, he considers the best to be White Elm, Cork Elm, Scarlet Oak, Pin Oak, Linden and Hard Maple. Trees condemned are these: Carolina Poplar and all other Poplars, including Silver Poplar, Soft Maple, and Box Elder. Of the trees recommended there are but two that have been much used about Philadelphia, the Pin Oak, Quercus palustris, and the hard (Sugar) Maple. Elms are but little planted, excepting by park superintendents or others having facilities for spraying them, because of the surety of their being defoliated by the Elm leaf beetle. As spraying becomes more of a recognized yearly duty by everyone, this tree may become popular for street planting. Oaks are excellent trees. Some of the avenues of them in Fairmount Park, Philadelphia, are greatly admired. There are avenues wholly of the Pin Oak, others of assorted kinds, and all are good; insects and fungi trouble them not. American Linden is rarely planted, for two reasons —it drops its foliage early, and is continually attacked by tent worms. There is no other tree these worms prefer to it, unless it may be the Black Walnut. Even with the riddance of the worms by sprayings there would still remain the objection to its early shedding of its leaves; a much better tree in every way with us is the European Linden, neither of the two evils mentioned befalling it. The hard (Sugar) Maple is very good; if it escapes borers when young it is not often troubled with them later.

Of the condemned trees, all Poplars, Soft Maple and Box Elder, there will be general approval of his conclusions. Yet there is nothing against the Soft Maple as it grows here, excepting its great size with age, and in this respect it is no worse than Oaks and Lindens. If let grow at will it may lose branches in gales, perhaps, but not if kept pruned as it grows, insuring sturdy, bushy branches.

In the city of Philadelphia the most popular tree is one the Binghamton folks seem not to have used, the Norway Maple. It succeeds admirably, not an enemy troubles it. More stock of it is sold by nurserymen than of any other tree. Its green foliage is of refreshing appearance, never attacked by blight or bug. Oaks of all kinds are favorite trees, the Pin (palustris) leading all others, because of the comparative safety in transplanting it, its green foliage, and drooping habit of its lower limbs. A popular tree for wide avenues, but an objectionable one for narrow ones is the Oriental Plane, although even in wide avenues it sometimes drops its foliage in Summer. In the newer portions of the city, where contractors have put up rows of houses on narrow streets and have planted the Oriental Plane because of its cheapness, its safety in transplanting and quick growth, there is lots of trouble ahead for some one in a short time, owing to the tremendous growth these trees will make; the Oriental Plane is one of the largest growing of forest trees.

The time is coming when the Ginkgo (Salisburia) will be much more used than it is now. No insects or other enemies bother it; it is not hard to transplant, grows quickly and can be easily raised from seeds, and sold cheaply.

Another tree may find friends in time, the Cedrela sinensis, a quick growing tree of spreading outline, growing well in the poorest soil, possibly proving a good seashore tree as well as for planting along wide avenues. A few trees of it in our parks promise well.

JOSEPH MEEHAN.



The W. Atlee Burpee Cup Awarded to Howard Gould, Esq., at the Second Annual Exhibition of the National Sweet Pea Society of America, New York, July 12 and 13, 1910

SYRACUSE, N. Y.

P. R. Quinlan & Co.

There is a small army of men rushing things on this plant. The Rose houses are all planted, and are starting off in fine shape, giving promise of a remarkable fine crop later on. The firm has just finished planting the Chrysanthemums, over 16,000, about 5,000 more than last year. All the stock is very good, and the first planted promises some splendid flowers. There is a very large block of Golden Glow, which will be in crop about the middle of September, State Fair week, when there is a heavy demand for them.

A large force of men are cleaning out the Carnation houses, which will be replanted the coming week. The immense stock in the field is remarkably good, and considering the excessive heat and long drought, has made a most wonderful growth; the whole stock looks remarkably clean and healthy, and would be hard to beat.

There is a very large block of Lilies in bloom and bud, for which the firm finds a good sale. Mr. Quinlan is adding 100 ft. to the American Beauty Rose house, with a cellar underneath, the walls of concrete; this, with another cellar 200 by 40 ft., should give him ample room for his bulb stock.

A new boiler house is being built, and will be so constructed that the coal can be carted close in front of the boilers, which will save much labor. Mr. Quinlan has only just returned from a long trip West in the interests of his asphalt firm, Warner & Quinlan, and leaves again today for the South, but intends to be back in time to attend the convention at Rochester. H. Y.

WE HAVE EVERYTHING FOR FLORISTS

NEW CROP PANSY SEEDS



The Two Best Mixtures on Earth
VAUGHAN'S GIANT and INTERNATIONAL

Seasonable Stock Now Ready for Delivery

BULBS

FREESIAS
CALIFORNIA,
FRENCH and BERMUDA GROWN.
NARCISSUS, PAPER WHITE.
FRENCH ROMAN HYACINTHS.
LILIUM HARRISII.
LILIUM FORMOSUM.
CALLA BULBS.

SUPPLIES

JAPANESE AND DOMESTIC CANE STAKES.
VAUGHAN'S ROSE GROWER.
BONE MEAL.
SHEEP MANURE.
SPHAGNUM MOSS.
SUPPLIES OF ALL KINDS.

PLANTS

PALMS and FERNS in all sizes and varieties.

Your office is not complete without VAUGHAN'S BOOK FOR FLORISTS
It's Free, Write For It. Fall Edition Now Ready.

VAUGHAN'S SEED STORE

CHICAGO
84 and 86 Randolph Street

Greenhouses and Nurseries
WESTERN SPRINGS, ILLINOIS
Please mention the Exchange when writing.

NEW YORK
25 Barclay Street



Pelargonium King Wm. II of Wurttemberg
From Möllers Deutsche Gärtner-Zeitung.

Effect of Roentgen Rays on Plant Growth

Experiments have recently been made in Berlin, Germany, as to the effect of the Roentgen rays on plant growth. The results were curiously similar to those observed on animal organisms. The strong rays were very injurious, arresting the plant and, in some instances, destroying the tissue. It has long been known that these rays also injure the human body. Weak rays, however, proved very beneficial; the plants subjected to them were stronger and better developed than control plants not so treated. Science may arrive, through the application of these rays, at an explanation of life processes which are not yet understood.—*Der Handelsgaertner.*

Some Noteworthy New Geraniums

The Geranium specialist, Karl Faiss of Feuerbach near Stuttgart, Germany, has achieved some remarkable results as regards the size, shape and markings both of the floret and the truss, the habit and the flowering and keeping qualities of this plant. The most striking thing about his latest origination is the extraordinary size of the flowers, especially among some of his still unnamed seedlings. Another characteristic closely connected with this is the fact that these novelties have increased the number of their petals from the usual five of the older varieties to six, seven or eight. This formation has been called half double and this term may be retained for practical purposes, although it is not entirely correct because the term usually implies a second inner row of petals, as with the Rose, whereas some of the new Geraniums have only a single row of eight petals. In some varieties their petals are moreover waved or curled. The effect is that of a splendid, double flower, and the truss seems full, without being heavy.

Deserving especial mention are Count Ferdinand von Zeppelin (1909); King Wilhelm II von Württemberg (1910); Queen Charlotte von Württemberg (1911); Andenken an Fürst Bismarck—Souvenir of Prince Bismarck—(1911), and Onkel Richter (1911). Unfortunately, there are two new Geraniums named Count Zeppelin, the other one being an origination by the specialist Bürger, these two will therefor have to be distinguished by their originator's names added, as Zeppelin (Faiss) and Zeppelin (Bürger).

Zeppelin (Faiss) has its petals carmine red along the edge, while the center of the petals is rosewood red, rimmed with scarlet. The plant is compact in habit, and appears a mass of trusses. King Wilhelm II of Württemberg has very compact trusses. Each floret has seven or eight wavy petals, but its individuality seems lost in the wavy mass of lines of the full truss. The lower petals are of a pure brilliant pink color, while the large upper petals are Chestnut brown with a wavy, light pink rim. This contrast of colors is exceedingly effective, especially in the pot plants. This variety is named as a remontant.

In his Geranium work Mr. Faiss rigidly adheres to two principles: from his cultural plants he does not make a single cutting; they are used exclusively for fertilization and as seedbearers. And the plants used for propagating are not used for seed plants. To this strict division, coupled with his unusual skill as a grower, his signal success is ascribed.—*Moeller's.*



Pelargonium Zeppelin (Faiss) Second Year Plant
From Möllers Deutsche Gärtner-Zeitung.

A Large English Establishment

A short time since I visited the great plant of Peter Kay, Ltd., East Finchley, a suburb of London, and owing to its size it is perhaps worth mentioning. The area devoted to glass is about 40 acres. Many of the houses average 36 ft. by 400 ft., and the chief crop is Grapes. Just what quantity of Grapes is turned out it is impossible to say, but the crop in one of the largest houses would average about 20 tons. Tomatoes, too, are turned out by the score of tons.

A specially interesting feature of this great place is the reservoir, which is filled entirely with rain water caught from the houses. The lake is two acres in extent, and varies from 14 ft. to 18 ft. in depth when full. Despite the many thousands of gallons of water used daily the lake has never been completely emptied even in the driest year. T. A. WESTON (Eng.).

Dreer's Convention Month Specials

AN INVITATION

ALL florists attending the Rochester Convention are earnestly invited to stop over at Philadelphia and visit our Nurseries at Riverton, N. J. We assure you a cordial reception and believe that you will find the visit both pleasant and profitable.

PALMS OUR LEADING SPECIALTY

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

2¼-in. pots, 1 plant in a pot, 85c. per doz.; $6.00 per 100.
6-in. pots, 3 plants in a pot, 28 to 30 ins. high, $1.00 each.
7-in. pots, 3 plants in a pot, 36 ins. high, $2.50 each.

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 ins. high, $1.50 per doz.; $10.00 per 100.
3 -in. pots, 8 to 10 ins. high, 2.00 per doz.; 15.00 per 100.
5 -in. pots, 18 to 24 ins. high, splendid plants, 75c. each.
7 -in. pots, 34 to 36 ins. high, grand specimens, $2.50 each.

Kentia Belmoreana

	Height	Per doz.	Per 100	Per 1000
2¼-in. pots,	4 leaves, 8 to 10 in.	$1.50	$10.00	$90.00
3 -in. pots,	5 leaves, 12	2.00	15.00	140.00
6 -in. pots,	6 leaves, 20 to 24 in.	1.00 each.		
6 -in. pots,	6 to 7 leaves, 26 to 28 in.	1.50 each.		

Specimen plants, 9 to 10 feet high, in tubs, $40.00 each.

Kentia Forsteriana

	Height	Per doz.	Per 100	Per 1000
2¼-in. pots,	4 leaves, 8 to 10 in.	$2.00	$15.00	$140.00
3 -in. pots,	5 leaves, 12 to 15 in.	2.50	20.00	175.00
4 -in. pots,	5 to 6 leaves, 15 to 18 in.	5.00	40.00	
6 -in. pots,	6 leaves, 28 to 30 in.	1.00 each.		
6 -in. pots,	6 leaves, 34 to 36 in.	1.50 each.		
8 -in. tubs,	6 to 7 leaves, 45 to 48 in.	5.00 each.		
11 -in. tubs,	6 to 7 leaves, 84 to 90 in.	15.00 each.		

The following are exceptionally heavy and valuable decorative plants.

	Each
14-inch tubs, 6 to 7 leaves, 7 to 7½ feet high	$25.00
15-inch tubs, 6 to 7 leaves, 7½ to 8 feet high	30.00
15-inch tubs, 6 to 7 leaves, 8 to 8½ feet high	35.00
16-inch tubs, 6 to 7 leaves, 10 to 11 feet high	40.00
16-inch tubs, 6 to 7 leaves, 11 to 12 feet high	50.00

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

2¼-inch pots, $1.50 per dozen; $10.00 per 100.
3 -inch pots, 2.00 per dozen; 15.00 per 100.
4 -inch pots, 3.50 per dozen; 25.00 per 100.
5 -inch pots, 6.00 per dozen (Nicely characterized.)



Cocos Weddeliana

Kentia Forsteriana

Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 inches high	$2.50
7-in. tubs, 3 plants in a tub, 38 inches high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 inches high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 inches high	5.00
8-in. tubs, 3 plants in a tub, 4 feet high	6.00
9 in. tubs, 3 plants in a tub, 4½ feet high	8.00
10-in. tubs, 3 plants in a tub, 5 feet high	10.00
12-in. tubs, 3 plants in a tub, 5½ feet high	15.00
14-in. tubs, 3 plants in a tub, 6 feet high, heavy	20 00
16-in. tubs, 3 plants in a tub, 7½ to 8 feet high	25.00

Phoenix Rupicola

Good 6-inch pots $1 50 each.
Good 8-inch tubs 2.50 each.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Per doz.	Per 100
3-in. pots, nicely characterized	$3.50	$25.00
4-in. pots, nicely characterized	.60 each.	
5-in. pots, nicely characterized	1.25 each.	
6-in. pots, nicely characterized	2.00 each.	

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

ARAUCARIAS

Araucaria Excelsa

(Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for winter sales.

		Each
4-in. pots,	5 to 6 inches high, 2 tiers	$0.30
5-in. pots,	10 to 12 inches high, 3 tiers	.60
6-in. pots,	13 to 15 inches high, 3 to 4 tiers	.75
6-in. pots,	14 to 16 inches high, 4 tiers	1.00
7-in. pots,	16 to 18 inches high, 4 tiers	1.25

Araucaria Excelsa Glauca

		Each
5-in. pots,	8 inches high, 2 tiers	$0.75
6-in. pots,	10 to 12 inches high, 3 tiers	1.00
7-in. pots,	13 to 15 inches high, 4 tiers	1.50

Araucaria Robusta Compacta

		Each
6-in. pots,	8 inches high, 2 tiers	$1.00
6-in. pots,	10 to 12 inches high, 3 tiers	1.25
7-in. pots,	12 to 14 inches high, 3 tiers	1.50

FINE FERNS

Nephrolepis Scholzeli

(Crested Scott Fern)

A sport from Scottii, possessing all the merits of that most popular variety, but with the pinnæ sub-divided, giving it a neat crested appearance.

2¼-in. pots, $1.25 per doz.; $8.00 per 100; $75.00 per 1000.

Asplenium Nidus Avis

(The Bird-Nest Fern)

A nice thrifty lot in 3-inch pots, 30c. each, $3.00 per dozen.
4-inch pots, 40c. each; $4.00 per dozen.
6-inch pots, $1.00 each.

Ferns in Flats

These flats contain about two hundred plants each, only one variety being in a flat and we cannot supply less than a full flat of any one sort. Price, $2.00 per flat.

Adiantum Cuneatum
Aspidium Tsussimense
Aspidium Tsussimense Cristata
Cyrtomium Falcatum
Cyrtomium Fortunei
Lastrea Chrysoloba
Lastrea Aristata Variegata
Lomaria Ciliata
Pteris Adiantoides
Pteris Cretica Magnifica
Pteris Cretica Wimsetti Multiceps
Pteris Ouvrardi
Pteris Wilsoni

Nephrolepis Giafrasii

This variety, introduced last Fall in a very limited way, has proven to be a gem, especially where a perfect specimen is desired in a small size. It will develop beautifully in a 3, 4 or 5 inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse; and it is also fine for fern dish work when grown in 2¼-inch pots.

$2.00 per dozen; $12.00 per 100; $100.00 per 1000.

Mixed Ferns for Dishes

We have at all times a good supply of these.

2¼-inch pots, $3.50 per 100; $30.00 per 1000.

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

Our staff of travelers will be in attendance at the Rochester Convention and will be pleased to show you samples of the above and many other specialties which we will exhibit.

HENRY A. DREER, Inc., 714 CHESTNUT STREET, PHILADELPHIA, PA.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 814, No. 40 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By young man, 18, for general greenhouse work. Please state wages including board. Write to H. v. Leeuven, 98 Vernon St., Worcester, Mass.

SITUATION WANTED—By young man, 26, Canadian, single, sober and reliable. Life experience in general greenhouse work. Please state particulars in first letter. A. Head, 68 4th St., South Orange, N. J.

SITUATION WANTED — By competent grower and propagator of small ferns and decorative plants; 15 years' experience. Please state full particulars in first letter. Address B. C., care The Florists' Exchange.

SITUATION WANTED — By experienced young man on retail place. 10 years' experience in New York stores. Best of reference. Address B. A., care the Florists' Exchange.

SITUATION WANTED—By young man, American, 4 years' experience, growing Roses, cut flowers and bedding stock; sober and honest. Kindly state wages and particulars. Address A. B., care The Florists' Exchange.

SITUATION WANTED—By German, 39, married, as head gardener or nursery foreman on commercial or private place; seven years' experience in this country. Best of references. Address B. B., care The Florists' Exchange.

SITUATION WANTED—By German, age 36, 22 years' experience. Good grower of Carnations, 'Mume, Violets and all potted plants; able to take charge. Please state wages. Address B. D., care The Florists' Exchange.

SITUATION WANTED—By young man, 3 years' experience in general stock raising and nursery work. Would like to learn Rose-growing. Kindly state wages and particulars Address B. F., care The Florists' Exchange.

SITUATION WANTED—As foreman; first class grower of Tea Roses, 'Mums, Carnations, Peas, Christmas, Easter and bedding stock. 22 years' experience. Please state particulars in first letter. Address B. E., care The Florists' Exchange.

SITUATION WANTED—By first class grower of Roses, Carnations, Chrysanthemums, Sweet Peas and Plants on private place. Englishman, 24. Capable of taking full charge of range and handling help. Address "Summer," care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, married; competent grower, good decorator and designer; 15 years' experience, able to take charge. First class references. Good, steady position expected. Address "Florist," care The Florists' Exchange.

SITUATION WANTED—To carry out landscape work, permanent or temporarily. Advertiser is well acquainted with road construction, grading, planting and every detail of the work. Highest references. Address "Practical" care The Florists' Exchange.

SITUATION WANTED—As foreman by first class florist and gardener; competent grower of all seasonable cut flowers, pot and bedding plants. Life time in the business and able to produce good stuff. Active, reliable, sober man, German, 41. West Virginia or Pittsburgh vicinity preferred. Please state wages and full particulars. Address Max Armbruster, Good Hope, D. C.

SITUATION WANTED—As head gardener by first class grower of greenhouse plants, Roses, Carnations, Chrysanthemums, Palms, Crotons, fruits and vegetables under glass and outside. Private place preferred. Advertiser is married—no family—strictly sober and a steady worker. Best of references. Address P. Haessig, Maplehurst, Mount Kisco, N. Y.

For other Classified Advertisements, see page 246A.

HELP WANTED

WANTED—Man competent in landscape work and capable of handling men to advantage. Apply to
C. H. Sierman,
952 Park St., Hartford, Conn.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—A No. 1 Rose Grower, single; good salary paid. Apply by letter only, sending references, B., c|o Knight & Struck, 1 Madison Ave., New York City.

WANTED—Single man with experience in Carnations, 'Mums and bedding plants, also in building; must be sober and industrious.
H. B. Thompson, Canonsburg, Pa.

GREENHOUSE MAN WANTED.
Owing to the death of my husband I wish to secure a man capable to take full charge of my greenhouses where Carnations and general stock are grown. Address Mrs. A. D. Turnbull, Carbondale, Pa.

WANTED—A bright, active man of experience, capable of designing and decorating, and able to take charge of retail floral department. Must be of gentlemanly address and appearance and a hustler. Such a one will find this an exceptional opportunity. Lawson Piano Store, 2863 Third Ave., New York City.

ROSE GROWER WANTED

An experienced Rose Grower and man to assist in general greenhouse work.
A permanent and satisfactory position for a temperate and capable man. Send references.

R. G. HANFORD, Norwalk, Conn.

STOCK FOR SALE

CARNATIONS

FIELD-GROWN CARNATIONS
Field-grown, strong, healthy plants: Enchantress, Rose Pink Enchantress, White Perfection, Lawson and Queen, $6.00 per 100, $55.00 per 1000. P. R. Quinlan, Syracuse, N. Y.

CARNATIONS.
Fine Plants.
2000 Queen Louise.
1500 Thomas W. Lawson.
250 Winsor.
$5.00 per 100; $40.00 per 1000.
Cash with orders.
Swenson, Florist, Winsted, Conn.

CARNATION PLANTS.
Clean, healthy stock.
300 Winsor, first size.
200 Winsor, second size.
175 Pink Enchantress, first size.
100 Pink Enchantress, second size.
100 Pink Imperial, first size.
125 Pink Imperial, second size.
100 White Enchantress, second size.
100 Patten, second size.
$4.00 and $6.00 per 100.
Cash with order, please.
Geo. W. Russell,
Fishkill-on-Hudson, N. Y.

MISCELLANEOUS

STOCK FOR SALE—Stevia, well-rooted cuttings, $5 cents per 100.
Henry Holzapfel, Jr., Hagerstown, Md.

STOCK FOR SALE—Smilax, 2½-in. pots, $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

MARIE LOUISE VIOLET PLANTS—From benches, very strong plants, $2.00 per 100, $15.00 per 1000. Cash with order, please. F. M. White, 74 Warrall Ave., Poughkeepsie, N. Y.

10,000 CELERY PLANTS
Transplanted, well-rooted, fine plants, none better. Giant Pascal, White Plume and Golden Heart, $3.50 per 1000. Wm. C. Lester, Plainville, Conn.

ROSE NOVELTIES

Grafted and budded stock of all the latest varieties, may be secured by applying to

T. A. Weston, St. John's Road, Orpington, Kent, England

ROSE PLANTS—Fine, clean, healthy stock; Maid, 4 inch, $6.00 per hundred, $50.00 per thousand; American Beauty, 3 and 4 inch, $8.00, $10.00 and $12.00 per hundred. Cash with order. Louis A. Noe, Madison, N. J.

CYCLAMEN PERSICUM GIGANTEUM

In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.
J. W. MILLER, Shiremanstown, Pa.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 6 cents each.
300 Gardenias (extra fine), at 15 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.60 each.
Brant-Hentz Flower Co., Madison, N. J.

CHOICE PRIMULAS, FROM POTS.
PRIMULAS—From 2 in. pots, frame grown, no better strain in existence. Obconica Grandiflora and Fimbriata, Ronsdorfer and Lattmanns, unrivalled hybrids, 14 colors or mixed 2 cents, Obconica Gigantea, 3 colors or mixed, 3 cents. J. L. Schiller, Toledo, Ohio.

STOCK FOR SALE

MISCELLANEOUS—Continued

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $2.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $16.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses,
Pine Brook, N. J.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

CHRYSANTHEMUMS.
Golden Glow, Pacific Supreme, Polly Rose, October Frost, Early Snow, Ivory, Bonnaffon, Pitcher, Baby, Cullingfordii, Eaton, etc., R. C. $1.25; 2¼ in., $2.25 per 100. Poehlmann, Gloria, Golden Eagle, Baby Marguerite etc., R. C., $2.00; 2¼ in., $2.75 per 100. Mrs. Kelley, President Taft, Golden King, Donnellan, President Roosevelt, R. C., $3.00; 2¼ in., $4.00 per 100.
List of 60 varieties.
Stafford Floral Co., Stafford Springs, Conn.

FOR SALE OR RENT

FOR SALE—Greenhouse business in town of thirty thousand. Bargain if bought at once. Cash. A. D. Montgomery, Hazleton, Pa.

FOR SALE—Old established retail flower store, located on one of the best streets in Providence, R. I. For full particulars address W. B. Stone, Lock Box 973, Providence, R. I.

FOR RENT—Two modern greenhouses, almost new, each 86 x 16 feet, nine miles from New York, five minutes from train and trolley. P. R., 659 Sanford Avenue, Flushing, L. I., N. Y.

FOR SALE—Well established retail florist business, greenhouses, store and dwelling; all in good condition. Good reason for selling. For further particulars address Z. C., care The Florists' Exchange.

FOR SALE—8 room house and basement store; good location for greenhouse. Fifty-five ft. on good avenue; over 300 ft. deep. Apply to Geo. O. Borton, 1342 Park Ave., Bridgeport, Conn.

FLORIST BUSINESS FOR SALE.
I am willing to sell my flower store which is located in a fine section of Brooklyn, N. Y. Doing a good business. Low rent. No other flower stores around the neighborhood. Stock, including furniture and heating, $250.00. For full particulars address A. E., care The Florists' Exchange.

FOR SALE—A good florist establishment on Long Island. A1 condition; consisting of 8 greenhouses stocked with Carnations and bedding plants. The best of trade. Land worth $10,000. Will sell to quick buyer for $8,000 cash. All chances to make big money. For particulare address A. P., care The Florists' Exchange.

FOR SALE—The property of a well established florist, opposite the new West Hudson County Park. The same contains six city lots, five greenhouses, dwelling house, barn, two good boilers, all in good condition; a picturesque place, easy distance to New York City, one block from trolley line; five minutes' walk to Erie Depot. The owner is selling on account of old age. Advertiser has been established for past 40 years. Address, J. G. Perry, Schuyler ave., Kearney, N. J.

FOR SALE—A live, paying greenhouse establishment in a thriving New England city surrounded by summer resorts. A good business proposition netting a good income for either one or two men. Eight thousand feet of glass with fine office building, all in good repair. Business can be easily doubled. Will be sold either with or without two story dwelling house. Not a run down business, but a paying proposition sold to settle an estate. Address A. Q., care The Florists 'Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Hot-bed sash; must be in good condition. Ludwig Wild, Boundbrook, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—20 H. P. high pressure upright steam boiler, in A1 condition. Cash $35.00. Geo. W. Sutherland, Athol, Mass.

FOR SALE—Rider compression hot air pumping engine, 6 in., good as new; capacity 1000 gallons per hour, price $75.00. Dean Ferris, Peekskill, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—1 Furman hot water boiler No. 3, in good condition. Come and see it working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—2 wagons, 1 top and 1 open; both wagons in first class condition, hardly been used. Built by Fitzgibbon & Crisp. Address Cole, the Florist, 191 Newark Ave., Jersey City, N. J.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses, J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

FOR SALE—One Holly hot water Circulator with electric motor attached; guaranteed to be in first-class working order, 150 gallons per minute, is as good as new. Cost $250—will sell for $100. Also one-half h.p. Electric Motor and steel blower for burning coal screenings. f.o.b. cars or steamer. Apply to Carl Beers, Bangor, Me.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($36.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass, 10x12, at $1.25 each. 20 cents for box extra.

ROBT. A. ELLIOTT, Morristown, N. J.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.85. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x30, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 5c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. Rochester, N. Y.

Please mention the Exchange when writing.

THE annual meeting of THE FLORISTS' HAIL ASSOCIATION will be held at Convention Hall, Rochester, N. Y., on Thursday, August 18th, 1910, at 9 A. M.

JOHN G. ESLER, Sec'y

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Paecal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Randolph Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

You Need These Items

EXCELSIOR BRAND

SHEEP MANURE and CANADA HARD WOOD ASHES

Any quantity; always ready to ship.

15,000 two year field-grown MYRTLE, 125 clumps to the barrel. Per 100, $5.50; per 1000, $50.00.

500 NORWAY MAPLES, 3 to 4½ in. caliper.

Thousands of other shade trees, 1 to 2½ in. caliper.

PRIVET, for screens, 4 to 10 ft. 100,000 PRIVET for hedges, one, two and three years old.

500 DOROTHY PERKINS ROSES and HONEYSUCKLE, pot grown; can be shipped now. Price low.

All F.O.B. Cash with order.

Can see me at the Rochester Convention next week. Correspondence solicited.

F. A. BOLLES, Coney Island Ave. & Ave. I. Brooklyn, N. Y.

Please mention the Exchange when writing.



Elberon (N. J.) Hort. Society

The members of this Society held a meeting on August 1, President Peter Murray in the chair. The plans for the Fall 'Mum Show were reported as in satisfactory progress. The Society will hold a clambake for the members and their friends on August 24, at Porte au Peck, Pleasure Bay, Long Branch, when we all hope to have a good time. The following points were awarded: A. Bauer, 88 for Cattleya gigas; Wm. Seymour, 85 for Pandanas; C. O. Duncan, 75 for Nicotiana affinis.

ALEX. FLEMING, Rec. Sec.

Yonkers (N. Y.) Hort. Society

The regular monthly meeting of this Society was held in Wiggins' Hall, Yonkers, on Friday evening, Aug. 5, with President Bennett in the chair, and a large number of the members present. The committee on the June show reported that the business of the show was about all completed, and a good substantial balance was in hand over all expenses. The schedule for the Fall show was read and adopted, and it is hoped to have the same printed soon; there are 67 classes in all. The committee reported it had received a good number of prizes from different persons, but was still ready to receive more; the prizes donated comprise gold medals, silver cups and cash prizes. Hamilton Scott was elected secretary to fill the vacancy caused by the resignation of W. H. Waite. As Mr. Waite has been in poor health for some time, he has gone on a trip to Scotland, and we hope to see him greatly improved in health on his return. John Goff read a very able essay on Carnations, telling how he grew them so very successfully. The next meeting will be held on the first Friday in September.

LEE WHITMAN, Cor. Sec.

Nassau County (N. Y.) Hort. Soc.

The annual outing of this Society was held at the Inside Inn, Oyster Bay, on Wednesday, Aug. 4. It was a regular family affair, as most all the boys had their wives and children with them. All had a good time, and many went home carrying trophies won in the different sports. The dinner was excellent, plenty of everything, and nothing was missing. The principal prize winners were as follows:

Ladies' race, over 40—1, Mrs. Wilson; 2, Mrs. Matz. Ladies' race, under 40—1, Miss Highton; 2, Mrs. Edward. Children's race, under 10—1, Emily Everet. Children's race, over 10—1, Henrietta Addor; 2, Marie Addor. Boys' race, over 10—1, G. Wright; 2, W. Wright. Boys' race, under 10—1, R. Wright; 2, R. Johnson. Race for men over 40—1, J. Gillian; 2, Alex. MacKenzie. Men's race, under 40—1, E. Westlake; 2, W. Schwarz. High jump—1, Tom Heron; 2, F. Finlayson. Stone throw—1, A. MacKenzie; 2, H. McDonald. Broad Jump—1, Frank Gale; 2, A. MacKenzie. H. B. jump—1, F. Gale; 2, J. Ingram. Ladies' ball throwing—Mrs. Wilson. Hammer throw—1, J. Ingram; 2, T. Heron; 3, A. MacKenzie. Fat Men's race—1, G. Wilson; 2, A. Maynard. Three-legged race—J. Ingram. Ladies' race—Mrs. Elmslee. Tug of war—Oyster Bay vs. Glen Cove—Oyster Bay winner.

Dancing was enjoyed by many and the evening was devoted to bowling.

O. E. ADDOR, Cor. Sec.

Newport (R. I.) Horticultural Soc.

A regular meeting of this Society was held on Tuesday evening, August 9, President James Robertson in the chair. An offer of $100 as a special premium for 1911 exhibitions was accepted with a vote of thanks by the Society. The committee on awarding premiums for school gardens reported that they had undertaken and completed their task on Aug. 8. Four of the public schools have taken part in the competition. The Lenthall School, which was the first to take up this work again led in number and quality; there the committee found 76 plots in all, some of the young gardeners giving all of their space to flowers, while others devoted all to vegetables. Three prizes in each case were awarded at all of the four schools visited. The total number of plots was 194, as follows: Lenthall, 76; Calvert, 49; Cranston ave., 37; Coggeshall, 32.

Several of the members are taking an active part in preparation for Fleet Week celebration, and on the committee on decorations are John W. Gibson, Andrew K. McMahon, C. O. Schultz, Henry J. Hass and Stewart Ritchie. At the clambake, where about 12,000 sailors are to be fed, it is proposed to use large quantities of flowers on the tables, and everything is to be on a larger scale than anything ever attempted here.

Arrangements for the twelfth annual ball have been completed, and it is to take place on September 20.

A. MacL.

Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds) **50c.**; ⅛ oz. **75c.**; ¼ oz. **$2.75.**; 1 oz. **$5.00.**

Christmas Flowering Sweet Peas

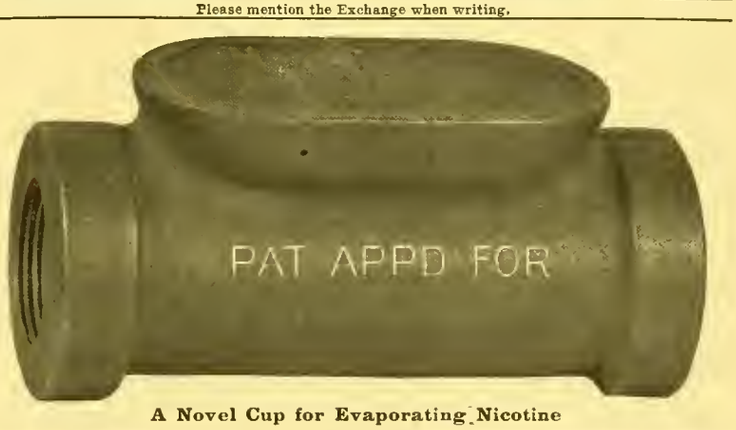
	Oz.	¼ lb.	lb.
CHRISTMAS PINK, pink and white	$0.10	$0.35	$1.00
CHRISTMAS WHITE (Florence Denzer) pure white	.10	.35	1.00
Mrs. E. WILD, carmine or dark pink	.15	.40	1.50
Mrs. ALEX. WALLACE, fine lavender	.15	.40	1.50
Mrs. Wm. SIM, salmon pink	.15	.40	1.50
Mrs. CHAS. H. TOTTY, beautiful sky-blue	.25	.75	2.50
CHRISTMAS METEOR, scarlet	.25	.75	2.50

MUSHROOM SPAWN

ENGLISH—10 lbs. 80c.; 25 lbs. $1.75; 100 lbs. $6.00; 500 lb. lots 5½c. per pound.
AMERICAN PURE CULTURE—10 bricks $2.25; 50 bricks $8.00; 100 bricks $15.00.

STOKES' SEED STORE
219 Market Street, PHILADELPHIA, PA.
Send for Florist's Wholesale Price List

Please mention the Exchange when writing.



A Novel Cup for Evaporating Nicotine

Novel Cup for Evaporating Nicotine

This new, simple and certainly effective and economic device for evaporating nicotine is the invention of Joseph Heacock of Wyncote, Pa., who has long had the idea in mind. Each cup and coupling, which is all in one piece, is screwed into the heating pipes at points about 20 ft. apart in a house 20 ft. wide, thus furnishing a very easy way of evaporating nicotine products in green houses for the destruction of insect pests.

With nicotine products at $10.00 per gal. the florist has to be careful that it is not wasted, and with labor as high as it is, he needs to do the work as expeditiously as possible.

Catalogs Received

MOHICAN PEONY GARDENS, Sinking Spring, Pa.—Catalog of Peonies. This firm grows nothing but Peonies, and in their listings are enumerated the one hundred best varieties of, as termed by them, "The Queen of Flowers—the flower for the million and the millionaire."

GEORGE H. PETERSON, Fair Lawn, N. J.—"The Flower Beautiful, 1910." This catalog is devoted exclusively to the Peony. It opens with a short history of the flower and gives additionally explicit directions as to planting and cultivation, followed by an extensive list of varieties with descriptions. Printed on fine enamel paper and illustrated with good half-tones.

ST. ALBANS, VT.—The florist business formerly managed by Henry Bryant has been turned over to Geo. Gook.

LAWRENCE, MASS.—The greenhouses of Chas. Wingate was recently struck by lightning, the majority of the lights of glass broken and the ventilators blown from their hinges.

EASTON, PA.—Children, recently, building a brush fire, set fire to a field of stubble in the outskirts of Easton. A brisk breeze carried the fire to Howard Kleinhaus' greenhouse and partly destroyed it.

CHILLICOTHE, MO.—R. L. Isherwood has accepted a position in the Chillicothe Bank, to succeed the late vice-president, S. R. Nelson. He will continue to operate his greenhouse on West Calhoun st., in addition to his bank duties.

Publications Received

Report of the Maryland State Horticultural Society, Vol. XII., 1909.

Building Poultry Houses.—Issued by Agricultural Exp. Station of the College of Agriculture, Cornell University, Ithaca, N. Y.—Bulletin 274.

Field Studies of the Crown-Gall of the Grape.—Issued by U. S. Department of Agriculture, Bureau of Plant Industry.—Bulletin No. 183.

The Principles of Brooding.—The Improved New York State Gasoline-Heated Colony-House Brooding System.—Issued by Agricultural Exp. of the College of Agriculture, Cornell University, Ithaca, N. Y.—Bulletin 277.

ASTERS

Situated in the heart of the Aster Growing Section, our facilities for obtaining and shipping high grade Asters are unexcelled.

GEORGE B. HART 24 STONE STREET

Wholesale Dealer in Cut Flowers, Plants, Bulbs and Florists' Supplies.

ROCHESTER, N. Y.

WE extend a cordial invitation to all visiting Florists to pay us a visit during the Convention of The S. A. F. & O. H.

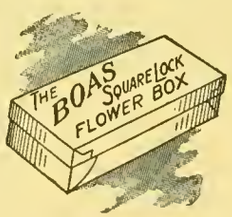
Please mention the Exchange when writing.

DO NOT FAIL TO SEE OUR EXHIBIT AT THE CONVENTION

"To the Purveyors of the Sweets of Nature"

We Recommend

THE BOAS FOLDING FLOWER BOX



USED BY THE LEADING FLORISTS.

MADE IN VARIOUS SIZES AND COLORS.

OUR GLAZE BOXES ARE SUPERIOR TO ALL.

WRITE FOR SAMPLES AND PRICES.

WILLIAM J. BOAS & CO., 1042 Ridge Avenue PHILADELPHIA, PA.

MANUFACTURERS OF FOLDING PAPER BOXES

Please mention the Exchange when writing.

Geranium Growers

Attending the Rochester Convention

Should Not Fail to See

Miller's Pride (Seedling)

IT WILL BE THERE

T. M. MILLER, Florist, Jamesville, N. Y.

Please mention the Exchange when writing.

Spraying Elms

There are thousands of Elms in the upper Hudson Valley with dried, brown foliage. Most of the affected leaves will soon fall. The cause of this condition is the Elm leaf beetle, an insect readily controlled by timely and thorough spraying with a poison, preferably arsenate of lead (12 to 15 per cent. arsenic oxide). Well sprayed Elms, even in localities where the pest is exceedingly abundant, should be practically free from injury and the foliage nearly intact. This standard is not a theoretical one. Its feasibility has been repeatedly demonstrated on the street trees of various municipalities and villages. It is easy for anyone to see at this time whether the local spraying has been effective or not. All tree lovers have cause for complaint if the foliage on sprayed Elms does not remain green and vigorous throughout the season. This applies to tall trees as well as smaller ones, provided there is adequate apparatus. It is simply a question of sufficient power, hose and good ladders. Thorough work is not very expensive, and much more satisfactory. One of the common causes for failure in this work is delaying the application of the poison. Spraying should be begun the last week in May or, approximately, when the leaves are half developed, and continue throughout June and into early July, depending somewhat upon the season. One treatment should suffice for a tree. Poisonous applications at the present time are practically ineffective in destroying the first brood of the Elm leaf beetle. It is extremely doubtful if there will be a second brood of any size in localities north of Albany and Troy. It is certainly unwise to allow magnificent trees to be severely injured year after year. We would suggest, for communities where spraying has given indifferent results, that there be a careful inquiry made to ascertain the cause of failure. We would advise others to take to heart the lesson of the past few weeks and make adequate provision for the protection of the Elms another season. There is nothing better in the long run than thorough spraying with a poison, though something can be accomplished at the present time by killing the hosts of grubs and pupæ at the base of infested trees, by applications of kerosene emulsion, whale oil soap solution, or even hot water. These treatments, if made at five day intervals, will destroy practically all the insects taking refuge in such situations prior to changing to the beetle.

The most effective poison for the control of the Elm leaf beetle is the commercial arsenate of lead. This is a pasty preparation requiring only dilution with water prior to application. It may be used at the rate of 2 to 4 lbs. to 50 gals. of water, care being taken to secure a standard material having some 12 to 15 per cent. of arsenic oxide. It is possible to use very large amounts of arsenate of lead on the trees without injury to the foliage. We do not believe large amounts advisable, because experience has shown that moderate and thorough applications are, as a rule, more satisfactory. There are various kerosene emulsions, or miscible oil preparations, which can be purchased in the market, and simply require dilution with water before application. The amount of dilution depends upon the preparation and cannot be stated in general terms. A home-made kerosene emulsion may be prepared by dissolving one-half lb. of hard soap in a gallon of boiling water, and adding thereto 2 gals. of kerosene. Stir or churn this vigorously, or, better still, pass it back and forth through a pump for from 5 to 10 minutes, or until the combination has a uniform creamy appearance. This standard kerosene emulsion should then be diluted with 4 or 5 parts of water and the preparation used to destroy the grubs and pupæ assembled at the base of the infested trees.

Ordinary whale oil soap, using 1 lb. to 2 gals. of water, is equally effective. Boiling hot water in liberal quantities is also excellent. A maximum benefit with a minimum expenditure of time can be secured by giving these treatments at five-day intervals.

E. P. FELT, State Entomologist.

July 26, 1910.



ORDERED IN YOUR STORE

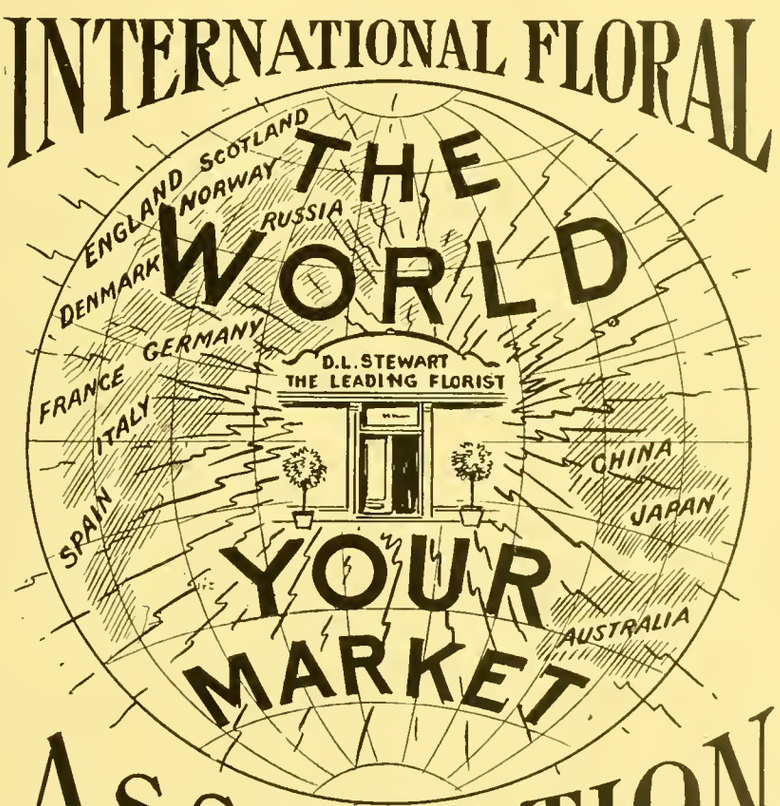
INTERNATIONAL FLORAL ASSOCIATION

We are now ready to contract for the American memberships to the International Floral Service for prompt delivery to any part of the globe.



DELIVERED ANYWHERE, FOREIGN OR DOMESTIC.

WE have contracted for our European connections and are in a position to deliver flowers promptly in Canada, England, Germany, Ireland, Scotland, Austria, Hungary, Belgium, Denmark, France, Italy, Luxemburg, Netherlands, Norway, Sweden and Switzerland, China and Japan, and other countries where there are florists.



WE will shortly inaugurate a publicity campaign advising the public that the service is ready and that they can have prompt deliveries through their local florists for weddings, funerals, parties and birthdays, or for any occasion where flowers are to be delivered to any part of this country or Europe.





AN Interstate service for America is now in process of organization.

The membership will be limited to a reputable florist in each locality; those desiring membership should write at once, to address below, with enclosures of five good references as to their *business integrity*, not financial standing. This is to insure promptness as well as to guarantee that *full value will be given for every dollar received.*

We will not consider an application for territory without the above references.

INTERNATIONAL FLORAL ASSOCIATION
1328 Broadway NEW YORK CITY

Please mention the Exchange when writing.

Among the Growers

J. G. Harrison & Sons, Berlin, Md.

The business of J. G. Harrison & Sons, the well known nurserymen of Berlin, Md., was founded by J. G. Harrison. He started growing trees and plants twenty-one years ago, commencing with one horse, one cow, a pitch fork and shovel, and a mortgage of $1500 on a $2500 farm. The first money was made on a Peach orchard of 100 Smock trees, twenty-five years of age, which netted $2.62 per tree; today the firm has ten thousand bearing Peach trees.

The first Strawberry patch was one of the old Wilson, one-half acre, which yielded well, made good money, and created a demand for Strawberry plants; the firm's planting today is one hundred acres.

The first year's sales of plants covered forty thousand plants in one season; now their sales are over one hundred thousand plants per day during the month of April and the shipping season.

The first year's sale of Peach trees covered two hundred trees; their sales now run into millions; they have over four million Peach trees at the present time in their nursery.

The first year's sale of California Privet amounted to a thousand plants, and today their stock covers Privet by the million, and by the mile.

The growth of the business has been gradual, from a nursery of two acres to one of more than three thousand acres, in twenty-one years, the land in actual cultivation, with new farms to plant on.

The firm of J. G. Harrison & Sons is composed of J. G. Harrison and his sons Orlando and Geo. A. Harrison.

J. G. Harrison, the founder of the business, is now at the ripe age of sixty-nine; he does not take an active part in the business affairs, but is intensely interested in the success of the firm he has established. Orlando Harrison is the active manager in the office, and has filled several offices of trust outside of the nursery business. He is at present president of the Exchange & Savings Bank of Berlin; director of the Berlin Building & Loan Association, president of the Peninsula Produce Exchange at Pocomoke City, an organization handling the farmers' products; ex-president of the American Nurserymen's Association, the Maryland State Horticultural Society, and the Peninsula Horticultural Society; and ex-mayor of Berlin, which office he held for five successive terms, covering ten years. He is a member of the Board of Trade and takes an active part in all public improvements. Geo. A. Harrison has charge of the growing of the nursery stock. His time is fully occupied in looking after his force of employees, which includes from one hundred to three hundred men, women and children. He handles more detailed work on a farm than any man in the county. His home is near the depot, located convenient to his work.

No firm in this country can show a greater nursery stock of Peach, Apple, Pear, Norway Spruce and Blue Spruce trees and California Privet, than can the Harrisons. It is their pride to keep their nursery clean and attractive.

Their Peach orchard ranks first on the Eastern Shore. Not a sign of "Yellows" has been found, and their orchard is a beautiful one. It contains the leading varieties of Peaches, such as Carman, Ray, Belle of Georgia, Champion, Elberta, Chair's Choice and Crawford Late. In addition to this orchard they have the greatest experimental orchard for Peaches in this country, containing one hundred varieties. They also have over three thousand Apple trees in their orchard at Berlin, and are stockholders in, and helped to organize, several orchards in Western Maryland and West Virginia, as follows: The Tonoloway Orchard Co., at Hancock, Md., with 50,000 Apple; the Elberta Fruit Farms at Hancock, Md., with 25,000 Peach and Apple; Knobley Mt. Orchard Co., at Keyser, W. Va., with 40,000 Peach and Apple; Alkire Orchard Co., at Keyser, W. Va., with 25,000 Peach and Apple; Grimes Golden Orchard Co., at Martinsburg, W. Va., with 65,000 Apple; North Mountain Orchard Co., at Martinsburg, W. Va., with 12,000 Peach and Apple.

The Harrisons carry stocks of ornamental trees and shrubs in quantity, and are particularly well and advantageously placed with regard to their offerings of Privet which, in addition to its careful handling and thorough cultivation is so favored by climate that it is dug only as ordered, thus doing away with the necessity of digging and storing through the Winter.

They also have interests in other small orchards, and have made good in all their orchard plantings by careful, economical management; in fact, they are now offered two dollars for every one in one of their large orchard's stock. It is "real estate," they say and safe, and it is their belief that a good place in which to take out life insurance is an Apple orchard, for any man.

No business requires so much detailed work as does the nursery business and this firm gives undivided attention to it and have, incidentally, done much to help improve the land in and near Berlin.

Robert Craig Company, Philadelphia and Norwood, Pa.

The beginning of the Robert Craig Co. dates back to 1856. Its present Philadelphia establishment consists of six acres of land on which are located forty three greenhouses, 160,000 ft. of glass in all. Four of the small greenhouses are heated by hot water, the rest are heated by steam. The raised bench system is used throughout the range.

The company employs about forty men, some of whom have been connected with the business from twenty-five to thirty years. The range is almost entirely devoted to growing a large variety of potted plants, but it has its specialties.

A frequent visitor to the Craig range notes the following: System prevails, and the work goes on rapidly in a quiet and orderly manner; the workmen are interested in their work and loyal to the company; a very large number of potted plants is shipped out every day; the plants sent out are all in fine condition; no "scrub" plants of any kind are tolerated in this range; the range is by no means a modern one, but the houses are kept in good repair, and in a tidy condition; lastly, and most important of all, the plants grown here, particularly the Craig specialties, are equal in quality and size to any grown in America.

The Craig specialties, which are grown in immense numbers, are Ficus pandurata, Crotons, Cyclamens, Ferns —mostly the numerous sports of Nephrolepis exaltata Bostoniensis—Areca and Phoenix Roebelenii Palms, Pandanus Veitchii and P. utilis, Dracænas Massangeana and terminalis. Besides the above, hundreds of thousands of blooming plants are brought on for Christmas and Easter, and bedding plants for Spring.

At present, in walking through the range, there is observed two houses filled with the beautiful Nephrolepis Scholzeli in 4″ pots and in 6″ pots and pans, placed on the center benches, while thousands of smaller plants of the same kind occupy the side benches. The Scholzeli is found to be, like Scottii, a very durable Fern. Another house is filled with the improved form of Nephrolepis elegantissima, brought out by the F. R. Pierson Co., of Tarrytown, N. Y. The fronds of this variety stand erect, yet not stiffly so, and do not revert. Here also is seen the Nephrolepis elegantissima compacta, and it is observed that whether the plant is large or small this variety always has a nice full center; it is a favorite with the Craig Co., as may be judged from the fact that it is growing 35,000 in 2¼″ pots. Scottii in sizes all the way from those in 2¼″ pots to some elegant large plants in 11″ tubs are seen in three houses. Some Nephrolepis Wm. K. Harris, an improved Boston, with wavy pinnæ is grown. It is the aim of the company to have every variety of Nephrolepis which it grows every day of the year in every size, and it is fast approaching this ideal.

Of other varieties of Ferns there is a block of the more uncommon Adiantum hybridum, in 5″ pots and 11″ tubs, 500 plants in all, in beautiful condition. This is of quicker growth, and hardier than A. cuneatum, and the fronds stand handling well. Mention should not be omitted of some beautiful plants, in from 4″ to 10″ sizes, of Nephrolepis todeaoides.

Areca lutescens Palms, in 6″, 7″ and 8″ sizes, in fine condition, fill three houses, and 850 Phœnix Roebelenii in 8″ pots are a beautiful sight. Here is the Ficus pandurata both in the straight and branched forms, one of the most durable, stately and beautiful of foliage plants, in from 6″ to 10″ pots, probably the finest plants of the species in America. 3000 Dracæna Massangeana in 6″ to 10″ pots, among the most beautiful of variegated foliage plants, here greet the eye. The Begonia Gloire de Lorraine is grown here to perfection, as the plants of different sizes testify, especially those in 4″ pots, and 6″ pans, even now will branched, which will come in fine for Christmas.

Cyclamens all the way from the 4″ pot to the 8″ pan size, 15,000 of which will be brought into bloom for Christmas, all in splendid foliage, fill several houses. A sample house of Crotons—these are one of the Norwood specialties and will be spoken of later—delight the eye; especially beautiful are the varieties Edwin Lonsdale, Cronstadtii, Robert Craig, and Craigii. Here, too, is a house of stock Crotons, eighty varieties, and five houses of stock plants of Ficus pandurata.

Just a hurried mention of some of the plants coming on for Christmas and Easter: There are 3000 plants of Poinsettias, 750 of which are the double type, benched in one house, and 25,000 to be brought on in pots and pans, for Christmas; a block of Genistas in 4″ pots growing on for Easter baskets; 800 Otaheite Orange trees, well set with fruit; thousands of Rose bushes and Hydrangea Otaska now outside in frames, to be brought on for Easter. For Autumn blooms 40,000 'Mums are growing on the benches, and several hundreds in pots.

The old rhyme says:

"He that by the plow would thrive,
Must either hold himself or drive."

Nearly every day may be seen here, working with his men or directing them, as he has done for forty years, that courteous old school gentleman, Robert Craig, Sr., and his genial, energetic son, Robert Jr., to whom the EXCHANGE representative is deeply indebted for many courtesies and a fund of useful information; and the hustling and ever smiling Duncan Macaw, one of the company's right hand men; and then there are the heads of the different sections, men who are working for the success of the company and not merely for the dollar. This is the secret of such successful growing in the Robert Craig Co. establishment.

It may be of interest to growers to know that the Craig Co. relies almost entirely upon the use of hydrocyanic gas as an insecticide, Robert Craig Jr. and Duncan Macam being experts in its use. As a dip and a wash the company is now using Aphine, and their opinion of this new insecticide is very favorable.

Norwood is nine miles from Philadelphia, on the P. W. & B. branch of the Penna. R. R. One minute's walk from the railroad station is the 17-acre estate of the Robert Craig Co. Here the company is erecting a new range of greenhouses. Five of the houses were completed last October, each 300x28 ft., 45,000 ft. of glass. The material used is concrete and iron, whenever possible, except the benches, of which some are wood and some slate, the latter preferred. They are heated with hot water, with a forced circulation.

In two of the houses are grown 20,000 Crotons, in from 4″ to 10″ pots, in about 80 varieties. Some of the more attractive varieties noted are, in addition to those seen at the Philadelphia range, B. Compte, Fasciatus, Mrs. Duncan Macaw, a new variety, Lord Rundell, Czar Alexander, Queen Victoria, Baroness Rothschild, an old favorite, Reedii, an old variety, but always scarce, Andeanum, Day Spring, Sunshine, Victor Lemoine and Disraeli. The condition of these plants is perfect, and they present a gay and wonderfully beautiful sight. Very interesting are 1000 seedlings grown from seeds saved by the Craig Co. In order to procure seeds the flowers have to be hand fertilized. Most of the Crotons are diœcious, that is, the female and male blooms are on separate plants; but some are monœcious, that is, both female and male blooms are on the same plant; B. Compte is a good example of the latter.

Phœnix Roebelenii, in tubs, and Areca lutescens are grown here. A very striking and beautiful sight are the 3500 Pandanus Veitchii, in from 6″ to 10″ pots, and 5000 more in the propagating bed.

Seventeen thousand Carnation plants are grown in two houses, part of which, from 4″ pots, are already benched. More than one-half of these are of the variety Norwood, which the company has been trying now four years, and which it will disseminate this Winter. It is a white seedling, flower 3″ to 3½″ in. diameter; full center, fringed edge, free blooming, very fragrant, and never splits its calyx. The other varieties grown are Beacon, Winsor and Enchantress, and a pink seedling, named Harry Lauder, with blooms 4″ in diameter.

Six thousand pot grown Roses, mostly Richmond, Killarney and My Maryland, are grown in 6″ and 7″ pots, plunged outside in frames, for Easter and Spring trade. In the field are growing thousands of Dorothy Perkins, Lady Gay, Crimson Rambler and American Pillar Rose bushes which will be used for Spring trade. Everywhere in this range, as in the Philadelphia range, skillful growing is manifest. Here, too, a Craig is in charge, namely Wm. P. Craig, son of Robert Craig, Sr.

S. A. F. and O. H.

Department of Registration

As no objections have been filed public notice is hereby given that the registration of the Fern, "Nephrolepis Dreyeri," by Kessler Bros., 52 W. 28th St., New York, and G. Dreyer, Woodside, L. I., becomes complete.

Registration of Carnation

Public notice is hereby given that Henry Eichholz, of Waynesboro, Pa., offers for registration the Carnation described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description—Alvina x Victory; of dwarf growth, forming quickly a very large plant in the field; will produce from early struck cuttings plants furnishing 100 and more blooms per season; adapted to a pot plant for Christmas sales; color of the true Poinsettia scarlet.

Name, "Christmas Cheer."

THE BOOK OF
WATER GARDENING
This work supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the amateur with a few plants in tubs to the large estate or park.
By PETER BISSET, *Expert Aquaticulturist*
Beautifully printed on heavy enameled paper, and profusely illustrated with one hundred and twenty halftones, seventeen diagrams and two double page plates.
Price Postpaid, $2.50
A. T. De La MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane St., New York

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — **Leading Florist** — **AMSTERDAM, N. Y.** — Estab. 1877 — **SCHENECTADY, N. Y.**

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Winn the Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**

Equipped with best facilities for quick delivery to any part of New England. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

EST. 1874 — **Jno. V. Phillips** — **BROOKLYN, N. Y.** — **FLORIST** — **272 Fulton Street** — **Telephone, 319 Main**

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

Friedman Flowers — **CHICAGO ILL.** — **185 Michigan Avenue**

Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — **Fourth St.**

Frank E. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — **NEW HAVEN, CONN.** — **1026 Chapel St., Opposite Yale College**

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

W. J. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
New York	Aug 13	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 13	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Lapland	" 13	11.00 am.	W. 18th St., N. Y.	Antwerp
Celtic	" 13	12.00 m.	W. 21st St., N. Y.	Liverpool
Minneapolis	" 13	11.00 am	W. 16th St., N.Y.	London
Furnessia	" 13	12.00 m.	W. 24th St., N. Y.	Glasgow
Amerika	" 13	12.00 m	1st St., Hoboken	Hamburg
Ryndam	" 16	10.00 am.	5th St., Hoboken	Rotterdam
Geo. Washington	" 16	10.00 am.	3rd St., Hoboken	Bremen
Lusitania	" 17	9.00 am.	W. 14th St., N.Y.	Liverpool
Oceania	" 17	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
Majestic	" 17	3.00 pm	W. 21st St., N. Y.	Southampton
La Provence	" 18	10.00 am.	W. 15th St., N. Y.	Havre
United States	" 18	2.00 pm.	17th St. Hoboken	Copenhagen
Graf Waldersee	" 18	3.00 pm.	1st St., Hoboken	Hamburg
Volturno	" 18		Pier 38, Bklyn	Rotterdam
Columbia	" 20	9.00 am.	W. 24th St , N. Y.	Glasgow
Cincinnati	" 20	10.00 am.	1st St., Hoboken	Hamburg
Minnetonka	" 20	9.30 am.	W. 16th St., N.Y.	London
Carmania	" 20	10.00 am.	W. 14th St., N.Y.	Liverpool
St. Paul	" 20	10 00 am.	W. 23rd St., N.Y.	Southampton
Cedric	" 20	10.00 am	W. 21st St., N.Y.	Liverpool
Kroonland	" 20	11.00 am	W. 18th St., N. Y.	Antwerp
Koenigin Luise	" 20	11 00 am	3rd St., Hoboken	Gib-Nap-Geno
D'a D' Abr'zzi	" 20	12.00 m	W 34th St., N. Y.	Naples -Genoa
Lituania	" 20	2 00 pm.	Bush Dks. Bklyn	Rotterdam
Bordeaux	" 20	3.00 pm.		Havre
Germania	" 20		Pier 33 Bklyn	Naples
Potsdam	" 23	10.00 am	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 23	10.00 am	3rd St., Hoboken	Bremen
Campania	" 24	9.00 am	W. 14th St., N. Y.	Liverpool
Adriatic	" 24	9.30 am.	W. 21st St., N. Y.	Southampton
La Touraine	" 25	10.00 am.	W. 15th St., N.Y.	Havre
Bremen	" 25	10.00 am	3rd St., Hoboken	Bremen
Carpathia	" 25	12.00 m	W. 14th St., N.Y.	Gib-Geno-Nap Trieste, Fiume
Regina d' Italia	" 25	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Sant' Anna	" 25		31st St., Bklyn	Naples
Mesaba	" 27	9.00 am.	W. 16th St., N. Y.	London
Philadelphia	" 27	10.00 am	W. 23rd St., N. Y.	Southampton
Berlin	" 27	11.00 am	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 27	11.00 am	W. 18th St., N. Y.	Antwerp
Caledonia	" 27	12.00 m	W. 24th St., N.Y.	Glasgow
Arabic	" 27	12.00 m	W. 21st St., N.Y.	Liverpool
California	" 27	3.00 pm		Havre
From Boston				
Saxonia	Aug 16	6.00 pm	B&A Dks. E. Bos	Liverpool
Numidian	" 19	9.00 am	MysticWhf, Char	Glasgow
Winnifredian	" 20	9.30 am	B&A Dks. E. Bos.	Liverpool
Zeeland	" 23	12.00 m	B & M Dks. Char	Liverpool
Sannio	" 25	m.	Clyde St., E Bos	Naples-Genoa
Lancastrian	" 26	2.00 pm.	B&A Dks, E. Bos	London
Philadelphia				
Friesland	Aug 13	10.00 am	53 So. Wharves	Liverpool
Menominee	" 19	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 20		24 No. Wharves	Glasgow
Haverford	" 27	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Tenyo Maru	Aug 16	1.00 pm.	1st Street	Honolulu
Korea	" 23	1.00 pm.	1st Street	Japan
Nippon Maru	Sept. 6	1.00 pm.	1st Street	China

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Bertermann Bros. Co — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

For "Supply" Advertisements see page 280

Samuel Murray — **KANSAS CITY, MO.** — **913 Grand Ave.**

All orders given prompt and careful attention.

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadway**

J. A. Valentine, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Hurl & Robinson — **MONTREAL, CANADA** — **825 St. Catherine St., West**

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Alex. McConnell — **NEW YORK** — **571 Fifth Avenue**

Young & Nugent — **NEW YORK** — **42 West 28th Street**

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders: they will receive prompt and careful attention.

M. A. Bowe — IN HEART OF — **NEW YORK CITY** — **1294 Broadway**

Our Motto—THE GOLDEN RULE — **Phone 2270 Murray Hill.**

A. T. Bunyard FLORAL CO. — **NEW YORK** — **413 Madison Avenue**

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Myer — **NEW YORK** — **609-611 Madison Avenue**

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.



Retail Store of A. T. Bunyard Floral Co., 413 Madison Ave., N. Y. See page 280.

EVERY DAY

New Fresh Ribbons come from our Looms; these are the qualities we offer

DIRECT TO THE FLORIST

Lowest prices, best qualities.
Samples will prove assertions; postal brings samples.

The Pine Tree Silk Mills Company
Philadelphia, Pa.

THE·PINE·TREE·SILK·MILLS L·D·S·&Co.

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINÉ,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2616 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roptings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Naturel and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

We are the largest Importers in the United States of

CAPE FLOWERS

And are enabled to supply large and small sizes in any quantity and at most attractive prices. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples and lowest prices cheerfully sent upon application. Correspondence solicited.

CHAS. W. JACOB & ALLISON

18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS. RAFFIA, BARK CLOTH, ETC.

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Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15 00 or more

Climax Manufacturing Co.
CASTORLAND, N. Y.

Please mention the Exchange when writing.



KRICK'S Florist Novelties

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A. T. Bunyard Floral Co., N. Y.

We have pleasure in submitting a view of the establishment of the A. T. Bunyard Floal Co., located at 413 Madison ave., New York. Alfred T. Bunyard, the head of this new and prosperous concern, reports business for his initial season as being far beyond his highest expectations; this he attributes to a loyal and substantial following and to his splendid location, which is in the heart of the finest residential district and within a stone's throw of the choicest section of Fifth avenue's shopping district.

Mr. Bunyard expresses himself as very thankful to his many friends and correspondents for the confidence they have displayed in sending their valued orders to a new and untried concern, and trusts they have not been disappointed.

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MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

New Crop Ferns

FANCY and DAGGER

Now ready for shipment.
Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

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ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

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WE have for years carefully noted the various strains of Cyclamen from the world's foremost specialists and feel sure that the strain here offered is by far the best regardless of price.

Our grower has made the Cyclamen a life study, and the strain is now practically perfect; the habit of the plants, purity of colors, size and substance of the flowers leaving nothing to be desired.

Many of the leading growers are now using this strain exclusively. We offer as follows:

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DREER'S GIANT PURE WHITE	$0.75	$6.00
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DREER'S GIANT BLOOD RED	.75	6.00
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DREER'S GIANT WONDER OF WANDSBEK. A new variety of various brilliant rose shades suffused with salmon. A striking color	1.50	12.00

PLANTS FOR NEXT WINTER'S BLOOMING

We can supply nice 3-inch pot plants of our Giant Cyclamen in the first four colors noted above, $1.25 per doz.; $10.00 per 100.

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W. H. ELLIOTT, Brighton, Mass.

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Kalamazoo, Mich.

The continuous drought we have experienced this Summer constitutes the chief topic of interest whenever any growers get together in this section. There is no doubt but that all outdoor stock has suffered worse this year than ever before known, and the damage amounts to considerable proportions already; but the end is not yet, as the effects will continue to be apparent among the Carnation cuts until the Spring growth takes place. Most growers are rushing their work so as to begin planting at the earliest time possible, and will depend more on the inside culture than waiting for the rain. Plants are smaller this year than I have ever seen them, and even doubling them will not make them an average size; so it will be readily understood the Carnations will be short for some time to come. Dahlias and Gladioli, and the early Asters, have been doing badly also, but the late Asters still have a chance if we get good rains soon. Inside, the Roses and 'Mums are doing well, and many more Sweet Peas will be planted than usual. These will, with early bulbs, tide over the Fall trade, so I do not think the retailer will suffer much inconvenience, at any rate not until after the 'Mums are gone.

Convention talk does not indicate that any of our people will be there, the dry weather and the haste to plant being mainly responsible.

William Van Peenan, who I have mentioned before bought land in the south part of the city, is, I understand, now busily engaged in the erection of five houses, each 100 by 25 ft., and next year expects to extend them further. The location selected is an admirable one for a grower and the soil well adapted for the requirements of greenhouse plants. As Mr. Van Peenan is a grower of ability, with many years of experience, we expect to see him prosper in his new undertaking. S. B.

Jamesville, N. Y.

T. M. Miller has his place in fine shape; the grounds surrounding the houses are very neat and attractive. He has 9000 Asters in the field, all looking well. The Carnations, too, have made a very good growth, as also has his big block of Vincas. In the houses he has 10,000 Chrysanthemums planted, a wonderfully fine even lot, which promise some good blooms later on. The Rose house looks well, the plants making good growth.

For over two years I have made mention of Mr. Miller's seedling Geranium, which he has named "Miller's Pride," and I am very pleased to learn that he will take some plants to the Rochester convention, so that others can see it, and judge its merits. My good opinion of it has been backed up by one of the largest growers in the country, who has seen some of the blooms and pronounces it the finest of its class—so I feel a little proud that my opinion is worth something. H. Y.

An Imposition on Credulity

The fake plant breeder seems to be an ubiquitous species of the genus hobo. A Pasadena (Cal.) man visited his old home in the New England States sometime ago, and, as was his custom, visited Horticultural Hall, Boston. One of the oily tongued gentlemen in question had some double Sunflowers on exhibition, the kind that have a ragged appearance because of the different lengths of the petals. He was explaining to the assembled multitude about him how that he began experiments by grafting Sunflowers on Chrysanthemums, and this fine large specimen was the result of seed saved from the fifth cross. To be sure, no seeds were for sale, but if the man from California cared to experiment with a few seeds in the "land of sunshine and of flowers" he would be favored above his fellow with a dozen gratis. They were brought home, planted about March 1, and the result is a fine crop of Sunflower Chrysanthemums. Slick, isn't it! How those fellows do impose on the credulity of their fellows. P. D. BARNHART.

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Los Angeles, Cal.

On the first day of this month W. Atlee Burpee of Philadelphia and his wife were in town, and were shown around by a friend in a big automobile. What a pity that such men as he, and Lonsdale, and a host of others like them, do not make their plans to stay longer in this enchanted land, where something of beauty may be seen every day of the year and at every turn of the road. Even that part of our State which depends entirely on the rains of Winter, though brown and sear has its interesting native drouth resistant plants in all their beauty—and wonderful adaptability to such arid conditions—during the Summer. The Turpentine Weed: Trichostema lanceolatum, a member of the Mint family; the white foliage plant known as Dove Weed; Erimocarpus setigera, named by the Spanish Americans "yerba del pescado" for the reason that if the leaves were thrown into a stream containing fish, and the fish ate of them it had a stupifying effect, and they could be caught by hand. These two plants bear the same relation to the grain stubble fields of this State that "Rag Weed" Ambrosia artemisiæfolia does to Eastern stubble fields. Along the roadsides may be seen in the hilly sections the beautiful scarlet flowering California Fuchsia. Zauschneria Californica, a member of the Primrose family, and a host of others equally attractive and interesting because they grow without a drop of water, and that, too, only during the dry season. Yes! We have to offer visitors, students of nature, an infinite variety of native subjects for study, besides our matchless climate.

Mr. Burpee called at the office of the Pacific Garden just as we were ready to mail our August number, and long enough to say "howdy," introduce me to his wife in the automobile, then farewell, after I had turned him over to the tender care of Dr. Schiffman of Pasadena. I have been wondering since then what the doctor did get accomplished with that party during the hour before their train left. In the brief time I had with them I learned that Mrs. Burpee is a native daughter of California, and I thought that any man who will marry a California girl and take her to any Atlantic Coast town to make her home deserves the immediate attention of the officers of the Society for the Prevention of Cruelty to Animals, especially if she had been brought up anywhere along the Coast between San Francisco and San Diego.

Mr. Burpee, like Mr. Lonsdale, has promised "to come back" and remain long enough to see a few of the multitude of subjects of the vegetable kingdom we grow in the open in this favored land. A remarkable thing about these men, and all other nurserymen, seedsmen, and botanists who come here, is they have the courage to inquire the names of those things that are new to them.

A pleasing incident in connection with Mr. Lonsdale's visit was his delight when he saw seedling Crotons of his own origination in the conservatory of H. E. Huntington. Children of one's own begetting, whether of the brain or the body, are always the joy of the heart of the parent, when they are well behaved and make a good appearance as did those Crotons.

During a stroll among the flower venders—the curbstone class—who, like the "poor," we have always with us, I inquired the prices of their stock in trade. Asters varied in price from 15c. to 25c. per dozen. The quality of the flowers were the same in every instance, and the price seemed to be regulated by the disposition of the seller. Carnations were uniformly 10c. per doz., though one enterprising fellow had them placarded at 5c. Sweet Sultan, Centaurea moschata Shasta Daisies, and a few Dahlias all at 10c. per dozen, and all they have to sell, too. Carnations are better now than they were two months ago, for the reason that thrip is not as numerous now, though still enough of them to make their presence manifest.

Amaryllis belladonna has been for a month past in all its glory—and what a glorious flower it is for cutting, good for two weeks afterward! It fills the house with its mild and delightful odor. The retail price of these flowers is $1.50 per dozen. Roses, $1.50 to $5 per doz. Nymphæas, in various colors of red, white, blue and yellow, 50c. each; and Mr. Sturtevant is the only grower hereabouts of these Lilies. Japan Lilies, home grown stock, $4 per dozen. Carnations, 75c. to $1 per dozen for greenhouse grown stock.

Outdoor grown Roses will not be in their glory again until October. Palms are about the only potted plants which find sale here at this season of the year, and of the whole family, for grace and beauty, Kentias stand at the head when well fed and watered and the foliage is kept free from dust and the ravages of a pernicious white scale.

A growing feature of the retail plant trade in this town is the plant huckster, who, like the vegetable huckster, goes about the streets with his goods on wagons, every day of the year, Sundays excepted. We have no retail fruit, flower or vegetable market as is the case in Eastern cities, especially Baltimore, where of a Saturday night bedlam reigns supreme when every fellow who has anything to sell announces that fact in tones that would drown a bass horn of an orchestra.

Joseph Meehan's notes, always interesting, were unusually so in your issue of July 30 where they relate to blue flowering Hydrangea Hortensia. Until I came to this Coast I never saw one. Here are the two types, the pink and blue flowering, with globose bloom, and both remain true to color, as I have observed them carefully for ten years past. There seems to be an impression among the gardening fraternity here that if copperas—sulphate of iron—be dissolved and the plants watered with a weak solution of it, or old iron be placed in the soil by the plants, that the pink flowered variety will also produce blue flowers. The theory I believe to be erroneous.

Edward H. Rust, proprietor of Palm Nurseries, in South Pasadena, has added to his real estate holdings seven acres of ground, which he is planting to nursery stock. His unique method of covering the ground several inches deep with planing mill shavings could be profitably followed by nurserymen where this material can be had at a low price. It prevents evaporation of moisture, saves the expense of cultivation, brings the working root system nearer the surface of the soil—which is a great advantage when nursery stock is dug with balls—and last, but not least, when it is finally incorporated with the soil adds humus to it. J. W. Ross, one of those plant enthusiasts who never grow old, is propagator and general superintendent of the growing department, though past the three score mile post in life. F. M. Warner, superintendent of sales and packing department, while younger in years, belongs to that class of nurserymen who have a consuming desire to know all about the plants which they grow. Lots of rare things are to be found at this nursery. One of the specialties grown is Lily of the Valley for the Los Angeles cut flower trade.

Howard & Smith are at work on their field grown Roses. They grow budded stock exclusively, and insert the buds so low that when the work is complete they cover the bud with dry earth. The well known fact that some plants of the same family, like the members of the human family, have no affinity for each other, is recognized by them, and after years of experiment and close observation they have learned the preferences of the various Tea Roses and work them on stocks congenial to them.

That indefatigable worker and plant enthusiast, E. D. Sturtevant of Hollywood, has in bloom in the open a Dipladenia hybrida which is a marvel of beauty. The shade is a dark rose pink and the limb of the tube shaped flower is fully three inches over. This is not an umbrageous vine, and very slender with nodes six to nine inches apart, leaves opposite, ovate, lanceolate, with a peculiar crinkled surface. The two plants which I tried, after two years of feeble existence died. I shall try again, but in light soil, in a southern exposure protected from north and west winds. His D. Boliviensis is a pure white variety with yellow throat. He has a plant of Jasminum Azoricum now in full bloom, and twining among it is a plant of Dioclea glycinoides with its bright scarlet flowers. The color effect is beautiful indeed; the purity of the one is accentuated by the brilliancy of the other. A Beaumontia covers one side of his two-storied house and is so dense with foliage as to hide the house completely. The large, pure white, trumpet-shaped flowers are borne in great profusion. He has a new dark rose colored seedling Nymphæa which he will put on the market in a year or two. A further review of this man's work will be given at some future time.

P. D. BARNHART.

I Will Meet at the Convention Members of the S. A. F. and O. H. now Celebrating its 26th Anniversary.

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GROWERS, you will find it to your advantage to place shipments with this house, where care will be taken of you and top prices realized.

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THAT'S ALL WE DO THE REST

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NEW YORK, Aug. 10.—Both arrivals and sales of cut flowers this week, with the exception of Asters and Gladioli, have been small, probably as small as in any week this Summer. The cut of Roses now arriving, of all kinds, in the aggregate is not large. Some are of the crop of blooms from the new plants. The demand takes the better grades of flowers, and the poorer grades can only be sold at sacrifice prices.

American Beauty specials sell all the way from 10c. to 20c. each, but few of that grade are now coming into the market. Killarney, My Maryland and Kaiserin realize, for the best grade of blooms, 5c. each for Killarney, and 6c. each for the others. It must be clearly understood that these are exceptional prices for the choicest selections of each kind in small sales. For Bride and Bridesmaid nothing better than No. 1 grade has been noticed, and for these varieties the demand is small. In some small sales No. 1 blooms bring as high as 2c. each.

Carnations now arriving are so poor as to be hardly worth mentioning. They are either the last dying efforts of the old plants, or the first poor short stemmed offerings of the new plants, and in either case hardly find buyers at 75c. per 100 for the best of them.

The supply of Orchids is diminishing, as well as the demand for them, consequently prices are unchanged, remaining at 25c. to 60c. each for Cattleyas. The supply of Lilies has shortened considerably, but, unfortunately, the demand, too, has slackened. They are now bringing from 3c. to 5c., with very few sales at the higher price, and most sales hovering between the 3c. and 4c. mark. The supply of Lily of the Valley is moderate, and arrivals are moving a little better with unchanged prices, namely $1 to $3 per 100.

Asters are abundant, but mostly of poor quality; the better grades move quite well, but the poorer grades of blooms can scarcely be given away. Very few blooms bring over $1.50 per 100. Gladioli are very plentiful. They are not moving briskly enough to enable a clean-up to be made, though the sales are large. The prices are down, America selling for $1.50 per 100, and many fine blooms changing hands at $1 per 100. Only a few bunches of Sweet Peas, of poor quality, are seen, selling at from 2c. to 4c. per bunch. The supply of greens is more than sufficient, and moves very slowly.

PHILADELPHIA, Aug. 8.—The rain began falling at 10 a. m. today, and with slight intermissions came down gently all day long, increasing toward night, until in the evening an ideal rainstorm, free from wind, was watering thirsty Mother Earth. This did not encourage local flower buying, but, as the cut of flowers of most kinds now arriving is not large, the market did not suffer badly from the rain, which was such a blessing to gardeners.

Some eastern American Beauty Roses are still arriving, and also some of the local blooms, cut from the new plants, which are of very good quality. The demand is using up the supply nicely. Specials are bringing $3 per dozen for selected blooms, though 20c. each is probably about the figure in most sales. A moderate supply of Killarney, My Maryland, Richmond, Kaiserin, Bride and Bridesmaid, but nothing better than extras in the two last named is coming into the market. Some of these, too, are the cut of blooms from the new plants. The best blooms of each in some sales bring 6c. each, with Kaiserin and My Maryland occasionally doing 2c. better, but many sales are around the 4c. mark. As the Rose supply, taken altogether, is not large, a clean-up is effected at some price.

There is little to be said about Carnations. No blooms which can be dignified by the name of "fancy" are seen. Few blooms sell above the $1 per 100 price, and those few scarcely realize $1.50 per 100, while the bulk goes for no more than 75c. per 100.

The Orchid supply is about the same, namely, a moderate cut of Cattleyas with a few scattering blooms of other varieties. The highest grade Cattleyas are selling for 50c. each. The demand is not brisk. The demand for Lily of the Valley is stronger, and for Lilies about the same as last week. The supply is sufficient. The best Valley in some sales realizes $4 per 100, and Lilies of highest grade fetch $1.50 per dozen, but $3 per 100, and $1 per dozen respectively are the ruling prices.

The arrivals of Gladioli are shortening, and the quality deteriorating. More good blooms could be used, but the poor blooms find few buyers. Small sales of some of the best grade America blooms realize 5c. each, but this is exceptional, most sales being around the 3c. mark, and much selling for even less. Some very poor Asters, poor enough in fact to go at once to the barrel, some of medium quality, and a very few indoor blooms of good quality are coming to the market. The last named bring $2 per 100. A few northern New York Sweet Peas are received, of medium quality, but hardly enough to fix any quotations.

There are plenty of all kinds of greens to supply the small demand, and prices remain about the same.

CHICAGO, Aug. 9.—The week opened with a shortage in supply, which, however, is only temporary, as most growers report an abundance of stock due about the middle of the month. Last week some days were extremely quiet, but the week-end found the demand for stock quite brisk, and everything was cleaned up nicely at quoted prices for good stock.

Roses are improving with each cut, and some very commendable flowers for this season are to be had. Both pink and white Killarney are preferred to other varieties, excepting American Beauty, and of both there is a large supply, flowers fairly good; still, after the magnificent stock of last Spring it is scarcely realizable that the varieties are the same.

Carnations are practically out of the market, although a sprinkling of fairly presentable flowers are seen at a few places and are readily snapped up.

Asters are better this week, and some extra good ones are on the market; this is a relief, as the wholesalers had become almost disgusted with handling the poor qualities so far received. Good flowers are bringing $3 per 100. Gladioli are plentiful, with the varieties Mrs. Frances King, Augusta and America leading; other varieties get a share on different occasions when the three varieties named are not obtainable.

Easter Lilies are more plentiful, but the demand is uncertain; on some days the movement is good, on others barely perceptible. There is a good call for L. auratum and speciosum. Lily of the Valley has become very scarce, but as the demand is not heavy it is not missed so badly. Sweet Peas are finished for this season. Cattleyas are scarce, and at times when there is an extra call for them, it is hard to find enough to fill an order. Some hardy miscellaneous stock remains, and makes a showing in the absence of other stock.

BOSTON, Aug. 9.—The market this week has been fairly good. The material which is being shipped now has suffered very much from the drought, a condition which has very much reduced the supply and made the quality of many of the flowers poor. The only flowers that are in abundance and of which there is a surplus are Asters and Gladioli. Stores report trade as light, but there is very little surplus left and prices are holding fairly well.

Roses are becoming more abundant, and slightly better in quality, and prices have advanced somewhat this week.

Carnations are very scarce, and dealers who have a few nice ones receive fairly good prices; but flowers in general are practically all played out.

Sweet Peas are very poor and only realize 15c. to 25c. per 100. The dry, hot weather has hurt them more than any other crop. Lilies are fairly plentiful, and prices are from 5c. to 6c. for longiflorums, and lancifoliums 3c. to 4c. The supply of Lily of the Valley is small, but there is very little demand. Cosmos is seen, though of poor quality. Gladioli are quite plentiful but show the effect of the drought. Orchids are scarce and in very little demand. Asparagus and all green goods move slowly. R. C.

ST. LOUIS, Aug. 8.—Trade in cut flowers continues its Summery conditions. We have reports from some of the leading West End and downtown florists that it is exceedingly dull in almost all lines except funeral work, which has helped out greatly this Summer.

The recent rains have benefited outdoor stock. Asters are coming in quite heavily now but as yet not many fancy varieties; stock brings from 75c. to $1.50 per 100; fancies from $2 to $3 per 100. Gladiolus are are up to $3 and $4 per 100, and the single everblooming Tuberose is coming in now and brings $5 per 100 stalks. Carnations are scarce and of poor quality; Roses are also poor, and prices can hardly be quoted correctly at the present time. In greens the market is well supplied with everything. ST. PATRICK.

INDIANAPOLIS, Aug. 9.—Prevailing temperatures being favorable to counter trade, choice stock has been readily accepted by the shopmen. Funeral work has been light and the cheaper grades of flowers suffered accordingly. There is little else to stimulate the merchandising of flowers at this time.

Asters are a feature everywhere, as the quality is fine and the colors better than usual. Wholesale prices range from 50c. to $2 per 100; retail from 35c. to 75c. per dozen. Hardy Hydrangeas are also first class, at $3 to $4 per 100. Golden Glow has made its appearance and will hereafter be extensively used for window trimming. Dahlias may be had in any quantity and at extremely low figures.

New crop Carnations, with 10 in. to 12 in. stems, are being received at $1 to $1.50 per 100. There is very little retail call for them at 25c. to 35c. per dozen.

Cooler weather has bettered the Rose supply. Right good Killarneys, My Maryland, Richmond and Kaiserin Aug. Vic. are being shipped in at $4 to $5 per 100. The home supply of Bride and Bridesmaid is more than sufficient, at $3 to $5 per 100. New crop Am. Beauty from New Castle are exceedingly good at $5 to $15 per 100.

The several kinds of Lilies are still plentiful, and are more extensively used for made up work than perhaps any other flower. I. B

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WHOLESALE FLORISTS
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Phones 325-5582-5583 Madison Square NEW YORK

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Incorporations

FORT WAYNE, IND.—W. J. & M. S. Vesey, florists, have incorporated with a capital stock of $54,000.

MORRISON, ILL.—The R. R. Davis Co. has been incorporated with a capital of $60,000. The incorporators are J. W. Steiner, R. R. Davis and F. L. Davis.

UTICA, N. Y.—The Crowe-Martin Co. has been incorporated to deal in flowers, shrubbery, plants, etc. Capital stock, $5000. Incorporators: Peter Crowe, Henry G. Martin, Flora Martin, all of Utica, N. Y.

BLOOMINGTON, ILL.—The Lilly Orchard Fruit Co. has been incorporated to do a general nursery business. Capital stock, $30,000. Incorporators: C. M. Noble, L. B. Merwin, C. J. Northrup, L. M. Graham and C. C. Marquis.

BIDDEFORD, ME. — "Strout's" has been organized for the purpose of conducting a general florist, market garden and nursery business, etc. Officers: President, Chas. S. Strout; treasurer, Harry W. Libby.

Greenhouse Building

DETROIT, MICH.—John Warncke is building two greenhouses.

PHILADELPHIA, PA.—John Weiland is building a greenhouse, 18½x80 ft., at 108-114 Wyoming ave.

LOUISVILLE, KY.—Nick Pontrich is to build a greenhouse at 618 Marrett st., cost of which will be $1000.

FREEPORT, ILL.—Five large greenhouses have been built for the Freeport Floral Co., which is under the management of Louis Bauscher.

ALLENTOWN, PA.—Ernest Ashley is building new greenhouses along the Bethlehem Pike. This is the beginning of a new range of greenhouses.

AUSTIN, MINN.—A. N. Kinsman is building two new greenhouses for Carnations. They are each 26x100 ft., and join his present houses on the south.

ROME, N. Y.—Wm. T. Hughes has bought the property at 211 West Liberty st., and will erect a greenhouse and office there in connection with his River st. plant.

GARDNER, MASS.—Carl J. Erickson, Parker st., whose greenhouses were destroyed by fire June 28, has started work on two new greenhouses, 92x32 ft., and 50x16 ft., respectively.

WATERBURY, CONN. — Alexander Dallas intends building a large greenhouse plant on the old Lockhart estate on Meriden Road, Meriden, Conn., which he has purchased.

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Bonnet & Blake
Wholesale Florists
130 Livingston Street, BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
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Successor to Ford Bros.
Wholesale Florist
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NEW YORK
Telephones, 3870—3871 Madison Square

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Wholesale Commission Dealers in Cut Flowers and Supplies
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GEORGE W. CRAWBUCK, Manager

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Always Ready to Receive Fine Stock
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110 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

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Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
WHOLESALE
Plantsmen and Florists
Temporary office during July and August, at
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WILLIAM H. KUEBLER
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CUT FLOWERS
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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Telephones 4626, 4627 Mad. Sq. Established 1891.

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WHOLESALE GROWER AGENT
COMMISSION FLORISTS
55 West 26th St. New York

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

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34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
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Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Aug. 13th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 20.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	1.00 to 2.00
Killarney	.25 to 5.00
White Killarney	.25 to 5.00
My Maryland	.50 to 6.00
Richmond	.... to ....
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 6.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	.... to ....
" No. 1	1.00 to 2.00
" No. 2	.25 to .50
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Asters	.20 to 2.00
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.... to ....
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .25
Standard Varieties: White	.50 to .75
Standard Varieties: Pinks	.50 to .75
Standard Varieties: Red	.50 to .75
Standard Varieties: Yel. & Var.	.50 to .75
Fancy (The highest grades of Sta'd varieties): White	.... to ....
Fancy (The highest grades of Sta'd varieties): Pinks	.... to ....
Fancy (The highest grades of Sta'd varieties): Red	.... to ....
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.... to ....
Gladioli	.25 to 1.50
Lilies, Harrisii and Longi.	3.00 to 5.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendroblum Formosum.	.... to ....
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacintha	.... to ....
Smilax (per doz. strings)	.... to 1.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.20 to .30
Tulips	.... to ....
Iris	.... to ....
Peonies	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square P. J. SMITH, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

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WHOLESALE FLORISTS
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NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

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WHOLESALE FLORISTS
54 West 28th Street, NEW YORK
Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

New York

James McManus, the Orchid specialist, of 42 West 28th st., is just now receiving some of the finest Asters coming into the city. His supply of Orchids, too, is, as usual, the largest, most varied and best. Fourteen varieties of seasonable blooms were recently observed in one shipment of Orchids received.

Alfred H. Langjahr, 55 West 28th st., recently moved from Brooklyn, N. Y., into the beautiful new residence which he has built at Jamaica, L. I.

Charles Schenck, of Traendly & Schenck, 131-133 West 28th st., has returned from his vacation at Stony Brook, near Palenville, among the Catskills. He reports a quiet and restful vacation —"Watching the baby grow." He left the malaria, from which he was suffering when he went away, up in the Catskills, and returns looking sun-browned and hearty.

William Reed, of Reed & Keller, 122 West 25th st., arrived home recently on the S. S. Hamburg, from Naples, Italy. He has been several months abroad, selecting novelties in florists' supplies. The firm will exhibit, at the S. A. F. convention at Rochester, their specialties, and some very attractive new devices in metal and basket work, etc. George Murray and Ruppert Hall will be in charge of the exhibit.

Alexander J. Guttman, wholesale florist of 34 West 28th st., and president of the Best Oil Co., will be at the S. A. F. convention at Rochester with samples of oil and paint ready to demonstrate to all comers the economical features of the oil and paint of the Best Oil Co. With paint mills at Ellenville, N. Y., this company is now ready to fill any sized contract.

The A. T. Bunyard Floral Co., Madison ave. and 48th st., has now completed the renovation and improvements of its store, and is well equipped for the Autumn campaign.

William C. Fogarty, maker-up and salesman for George M. Stumpp, is on a vacation among the Catskills. Mr. Stumpp is still in Europe. The store, which is one of the largest, finest and best situated of the retail florist stores in the city, is now being given a new dress, preparatory to Autumn trade.

Wesley Leach, salesman for Alexander McConnell, has just returned from his vacation at Far Rockaway, L. I.; and George McGarrett. Mr. McConnell's bookkeeper, is now on a vacation among the Catskills.

Joseph Levy, manager for Seligman & Co., 56 West 26th st., has returned from his vacation at Pine Hills, N. J.

The new quarters of the Geller Supply Co., at 147 West 28th st., are being put in order, the improvements including a full glass front; removal will be made about September 1.

A. M. Henshaw of Henshaw & Fenrich, 51 W. 28th st., has recently returned from an eight day auto tour through the New England States, in which time he covered 2000 miles. Mr. Henshaw, with his partner, Joseph Fenrich, will auto to the S. A. F. convention at Rochester, starting late, and making a record trip. There will be with them Chas. Scott, of the Yokohama Nursery Co., Robert M. Schultz of Madison, and Mr. Cathcart, of the Yuess Gardens Co., Newburgh, N. Y., who also takes with him a party of florists, joining the Henshaw party at Newburgh.

William H. Siebrecht, with the bowling team of the Long Island Florists'

Club, is autoing to the S. A. F. convention at Rochester, starting from the Coogan Building, West 26th st., about 6.30 a.m. on August 13.

The Long Island Florists' Club of the Borough of Queens, has been incorporated with the Secretary of State, with the following as directors for the first year: John Donaldson and John Miesem of Elmhurst; Philip Kessler, of Woodside; William H. Siebrecht, Philip Eismann, Henry B. Siebrecht and William H. Siebricht, Jr., of Long Island City.

E. C. Reineman of Pittsburgh, Pa., with his family, was in town on Monday, having arrived on the S. S. Lapland from an extended European trip. The party left for their home town Monday evening.

Wm. P. Ford, a member of the late firm of Ford Bros., wholesale florists, has leased a store at 45 West 28th st., where he will conduct a wholesale florist business. Business will be commenced early in September. His many friends will be glad to see him again figure prominently in the trade.

A most instructive controversy, to say the least, even though it does get quite warm at times, is going on between the park superintendents and several supposed horticulturists in Brooklyn and New York, who claim that the trees and shrubs in the parks and squares of both boroughs are not more than half of them correctly named botanically, where naming has been attempted. Thus far, neither side seems to have the advantage. If this controversy produces no other good effect it is drawing attention to the fact that in public parks and squares all specimens for the study and examination of the public should be correctly labeled, both with botanical and common names.

Bowling

The Long Island Florists' Club's bowling scores for August 9 were as follows:

							Avg.
Donaldson,	171	190	183	199	200	160	—183
Kessler,	176	167	158	156	179	140	—162
Miesem,	158	190	162	149	150	158	—161
Einsmann,	158	150	162	150	160	145	—154
Siebrecht,	160	140	150	157	148	153	—151

Average bowling for the Club, 162.

Boston

This is by far the driest season we have had for some years, and we are sorely in need of two or three days' steady rain. The effects of the showers we have had were quickly dissipated by the sun, and crops of all kinds are suffering very badly now. The grass on the lawns looks very bad indeed, with the continued drought, and trees and shrubs are suffering.

The principal topic of conversation now in markets and stores is the Rochester convention. Boston will send the largest delegation sent for many years. It would not be surprising if seventy-five persons started for Rochester next Monday morning. E. Allen Peirce, State vice-president of the S. A. F., deserves much praise for the hustling he has done to get a large delegation from this city. He has also captured many new members.

Intending visitors to the convention have still time to make arrangements with Mr. Peirce to join the party, which leaves Boston on Monday, August 15, at 10 a.m. The fare will be $13.40 for the round trip. Two special cars have been engaged and $2 per chair will be the Pullman charge. The route is through the Berkshire Hills and the Mohawk Valley, a delightful one, the scenery and vegetation is simply superb.

The W. W. Edgar establishment at Waverley looks exceptionally well at this time. A batch of 1800 Lorraine Begonias, most of them in 6″ pots, is pleasing to see, clean, healthy plants and growing vigorously; if they are given good attention from now on they will make splendid material for Thanksgiving and Christmas. Several houses of single stemmed Chrysanthemums present a healthy and promising appearance. The Cyclamens are well grown and making nice growth; they are now in 6″ pots. Adiantum cuneatum fills two houses, and is grown in various sizes of pots, all plants looking as healthy and growing as freely and nicely as any one could wish. The Poinsettias are doing well and are in all sizes. The whole place has an air of prosperity about it, every house neat and clean. Herman Bartsch, the superintendent, deserves great credit for the interest and care he is giving this establishment; he is certainly a clever plantsman. Mrs. Wm. Edgar is spending a few weeks in Maine.

William S. Grassie has at his new place at Waverley a field of well grown Asters. The work on his new houses is progressing very favorably and he is installing the heating system this week. William was missed very much at the picnic this year, he is a great runner; but he was so busy on his houses he could not spare the time.

Peirce Bros. of Waltham are going into Orchid growing, and they have a large house of newly imported plants, which look remarkably well. The plants are breaking nicely, have a clean, healthy appearance and should give a good crop of flowers. Their Chrysanthemums have now taken the place of the Gladioli and they are looking thrifty The housing of the Carnations is not quite finished yet. A house of Cyclamens looks very promising; the plants are now being potted into 6″ pots.

Edward Welch, of Welch Bros., has started on a trip to Europe. He is to visit Great Britain, and is then going on the continent of Europe for a few weeks.

Letters from Sydney Hoffman, the hustling Back Bay florist, report that he is having a grand time in Germany, and that many new novelties will be brought back for his thriving business in the Back Bay district.

A large delegation is going from Boston to Bar Harbor on Thursday, August 11, to attend the annual flower show there. The judges will be W. N. Craig, North Easton, Mass.; William Anderson, South Lancaster; Richard Gardner, Newport, R. I.; E. A. Jenkins, Lenox; and Robert Cameron, Cambridge. Peter Miller, vice-president of the Gardeners and Florists' Club, is going, and R. & J. Farquhar & Co. are sending an exhibit of Dahlias, in charge of George Cruickshank and Frank Murray. There will be the usual dinner on Saturday evening, which has always been a great success and is looked forward to with pleasure. Quite a large number of the trade exhibit at this show. One thing is certain, no other exhibition in the country will have as many multi-millionaires in attendance for the first three or four hours after it opens as this will have.

A. G. Parker of Stoneham is shipping to Park st. market a very fair grade of white Asters, for which he finds a ready sale.

J. Sherman Manter, salesman at 1 Park st., is spending his vacation at Pine Dale, Billerica, where he owns a fine bungalow.

Paul E. Richwagen and family are spending a few weeks at Provincetown.

Carl Becker, son of Fred Becker, the well known Cambridge florist, is spending his vacation at Provincetown.

On Tuesday, August 9, Elijah A. Wood took a party of friends around Boston and suburbs in an automobile, showing them the sights and places of historic interest. Elijah, since he sold his greenhouses a few weeks ago, hasn't very much to do and can afford to entertain friends who come to the Hub.

The finest Asters in the market this season are from James Tulis of South Sudbury; they have stems 18″ in length, fine, large flowers and healthy foliage.

George Noyes, the genial salesman at 1 Park st., is taking a well deserved vacation at Weir, N. H.

George Hamar, assistant manager at 1 Park st., is practising swimming every evening at the L Street Baths. He is an excellent swimmer and expects in a few weeks to try to swim to Boston Light, a feat accomplished only twice before.

The baseball team of Madbury, N. H., is coming to Boston on Saturday, August 13, to play the Market team, at Belmont.

W. E. Stickel of Lexington is finishing his new greenhouses and is planting his Carnations. W. H. Carr will give him a helping hand for two weeks, and afterwards Mr. Carr expects to go into business for himself.

The H. E. Fisk Seed Co. has a fine show of plants and cut flowers in its window this week. Among the display are some fine vases of Lilium Batemanii, Acidanthera bicolor, Lilium auratum var. vittatum and a number of fine varieties of Gladioli.

J. K. Alexander of East Bridgewater has 250,000 Gladioli planted in his fields and is beginning now to cut and ship them to market. He planted about a quarter of a million Dahlia roots this season and they are just beginning to bloom now.

J. M. Cohen, the hustling salesman at 2 Park st., returned last Wednesday from a vacation spent at Lake Champlain, St. Albans, Vt.

John Knight, manager at 2 Park st., is spending a well earned vacation at Nahant. J. D. Laney is acting manager during Mr. Knight's absence.

Newman has a pleasing window this week. The principal flowers used are Salpiglossis, Centaureas, Gypsophila and Gladioli.

Alterations are in progress this week at 1 Park st. which will give additional stalls and storage room.

The board of trustees of the Mass. Hort. Soc. has voted to spend $5500 on prizes and exhibitions for the year 1911, and in that year there will be held a large fruit and vegetable show for which valuable prizes and medals will be offered.

The general Autumn exhibition will be held at Hort. Hall on Friday, Saturday and Sunday, September 23-25; schedules may be obtained of William P. Rich, secretary.

R. C.

Philadelphia

Charles Meehan, of the S. S. Pennock-Meehan Co., and Mrs. Meehan, are taking a three weeks' trip north, through the region of the Great Lakes, during which they expect to attend the S. A. F. convention at Rochester.

Robert Greenlaw, formerly with N. F. McCarthy & Co., Boston, Mass., has entered the employment of the S. S. Pennock-Meehan Co. This company just now is specializing on Carnation plants in many varieties, all of which have passed its personal inspection. Among these there is observed Victoria, a comparatively little known variety, of a little deeper color than Winsor, and of strong growth like Beacon, and a free bloomer.

The Leo Niessen Co. is now receiving some new crop American Beauty Roses, of fine color and quality, and also some northern New York grown Sweet Peas, which are superior to the local ent. It is also handling a variety of well grown Carnation plants.

Edward Reid is receiving some excep-

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Aug. 8, 1910	Pittsburgh Aug. 9, 1910	NAMES AND VARIETIES	Boston Aug 9 1910	Detroit Aug. 8, 1910	Cincinnati Aug. 8, 1910
to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	16.00 to 20.00	to 25.00
12.50 to 18.00	12.50 to 15.00	" extra	6.00 to 12.00	12.00 to 16.00	16.00 to 20.00
8.00 to 10.00	6.00 to 10.00	" No. 1	1.00 to 3.00	9.00 to 12.00	8.00 to 12.50
4.00 to 6.00	to 4.00	" No. 2	to	3.00 to 8.00	4.00 to 6.00
4.00 to 6.00	2.00 to 8.00	Killarney	.75 to 4.00	3.00 to 6.00	to
4.00 to 6.00	3.00 to 8.00	White Killarney	.75 to 4.00	3.00 to 6.00	to
to	2.00 to 6.00	Bride and Bridesmaid	.75 to 4.00	3.00 to 6.00	to
to	2.00 to 8.00	My Maryland	to	3.00 to 8.00	to
2.00 to 4.00	2.00 to 8.00	Richmond	.75 to 4.00	3.00 to 8.00	to
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	to	4.00 to 9.00	to
to 1.00	to 1.00	Adiantum	1.00 to 1.25	.50 to 1.00	to
20.00 to 30.00	20.00 to 35.00	Asparagus, Plumosus, bunches	to	20.00 to 50.00	20.00 to 25.00
20.00 to 30.00	10.00 to 30.00	" Sprengeri, bunches	to	20.00 to 50.00	to
1.00 to 3.00	.50 to 1.50	Aster	to	to	.50 to 2.00
to	to	Bouvardia	to	to	to
to	to 1.00	Calla	to	to	to
to	1.50 to 2.00	Carnations—Inferior grades, all colors	to	to	to
to	to	Standard Varieties: White	.75 to 1.50	1.00 to 1.50	to 1.00
to	to	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50	to 1.00
to	to	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50	to 1.00
to	to	Standard Varieties: Yellow and var.	to	to	to
to	to	*Fancy: White	.75 to 1.50	1.50 to 2.00	to
to	to	*Fancy: Pink	.75 to 1.50	1.50 to 2.00	to
to	to	(*The highest grades of Std'd vare.) Red	.75 to 1.50	1.50 to 2.00	to
to	to	(*The highest grades of Std'd vare.) Yellow and var.	to	to	to
to	to 1.00	Daisies	to	to	to
to .20	to .20	Ferns, hardy	to	to .15	to .15
to .20	to .12½	Galax, green and bronze	to	to .12	to .10
to	to	Gardenias, per doz.	to	to	to
2.00 to 4.00	2.00 to 4.00	Gladiolus	3.00 to 5.00	4.00 to 8.00	2.00 to 4.00
to 12.50	to 10.00	Lilies, Harrisii and Longi	4.00 to 5.00	12.50 to 15.00	to 15.00
to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	to 4.00
to	to	Mignonette	to	to	to
to	to	Orchids—Cattleyas	to	to	to
to	to	Cypripediums	to	to	to
to	to	Pansies, per doz. bunches	to	to	to
to	to	Peonies	to	to	to
to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	to	1.25 to 1.50	to 1.50
to .25	to	Sweet Peas	.15 to .20	.30 to .50	to
to	to	Tulips	to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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The McCallum Company

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All Cut Flowers in Season

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Field Grown Carnation Plants

PINK.	100	1000
Winsor	$7.00	$60.00
R. P. Enchantress	7.00	60.00
Enchantress	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Jooste	6.00	45.00
WHITE.		
Enchantress	8.00	70.00
Perfection	7.00	60.00
Bountiful	$6.00	
Boston Market	6.00	$55.00
Queen	6.00	55.00
Queen Louise	6.00	50.00
RED.		
Victory	7.00	60.00
Bassett	7.00	60.00
Beacon	7.00	60.00
MISCELLANEOUS.		
H. Fenn	6.00	

All the plants we are offering are grown in this section. Each lot, before we list them, are carefully inspected, to insure that the plants are in a good, healthy condition. Early planting is recommended by most growers, but if you are not ready for the plants, we can book your order and reserve for future delivery. It is advisable to buy early, as the better varieties will move fast.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Aug. 8, 1910	Buffalo Aug. 8, 1910	NAMES AND VARIETIES	Phil'delphia Aug. 8, 1910	St. Louis Aug. 8, 1910
..... to	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	20 00 to 25.00	15.00 to 20.00
..... to	12.00 to 15.00	" extra	15.00 to 20.00	8 00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	2.00 to 4.00
..... to	..... to	" No. 2	4.00 to 6.00	..... to .....
2.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	2.00 to 4.00
2.00 to 4.00	2.00 to 6.00	White Killarney	2.00 to 6 00	..... to .....
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
2.00 to 5.00	2.00 to 6.00	My Maryland	2.00 to 8.00	2.00 to 4.00
..... to	2.00 to 6.00	Richmond	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	2.00 to 5.00	..... to .....
2.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 5.00	4.00 to 6.00	K. A. Victoria	2.00 to 6.00	..... to .....
..... to 1.00	..... to 1.00	**Adiantum**	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	**Asparagus**, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
.50 to 2.00	.40 to 2.00	**Aster**	.25 to 2.00	1.00 to 5.00
..... to	..... to	**Bouvardia**	..... to	..... to .....
..... to	8.00 to 8.00	**Callas**	..... to	..... to .....
..... to .75	.75 to 1.00	**Carnations**—Inferior grades, all colors	.75 to 1.00	..... to .....
1.00 to 1.50	1.00 to 1.50	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50
1.00 to 1.50	1.00 to 1.50	Standard Varieties: Pink	1.00 to 1.50	..... to 1.00
1.00 to 1.50	1.00 to 1.50	Standard Varieties: Red	1.00 to 1.50	..... to .....
1.00 to 1.50	1.00 to 1.50	Standard Varieties: Yellow and var	1.00 to 1.50	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): White	..... to	1.00 to 1.50
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Pink	..... to	..... to 1.00
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Red	..... to	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var	..... to	..... to .....
..... to	.50 to 1.00	**Dalsies**	..... to	..... to .....
..... to .10	..... to .15	**Ferns**, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	**Galax**, green and bronze	.10 to .15	..... to .....
..... to	..... to	**Gardenias**, per doz	..... to	..... to .....
3.00 to 5.00	2.00 to 4.00	**Gladiolus**	2.00 to 5.00	..... to .....
..... to 12.50	8.00 to 10.00	**Lilies**, Harrisii and Longi	8.00 to 12.50	10.00 to 12.50
3.00 to 4.00	..... to	**Lily of the Valley**	2.00 to 4.00	..... to 3.00
..... to	..... to	**Mignonette**	..... to	..... to .....
..... to	40.00 to 50.00	**Orchids**—Cattleyas	..... to 50.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	**Pansies**, per doz. bunches	..... to	..... to .....
..... to	..... to	**Peonies**	..... to	..... to .....
..... to 2.00	..... to	**Smilax**, (per doz. strings)	1.50 to 1.75	..... to .....
..... to	..... to	**Sweet Peas**	..... to	..... to .....
..... to	..... to	**Tulips**	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35 00 per 100, very heavy stock.

(Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

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Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

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Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $7.00 per 100, $60.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, $6.00 per 100, $50.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
Beacon, $7.00 per 100, $60.00 per 1000.
O. P. Bassett, $6.00 per 100, $50.00 per 1000.
Dorothy Gordon, $12.00 per 100, $100 per 1000.



Victoria, $6.00 per 100, $50.00 per 1000. | **Pink Delight,** $12.00 per 100.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St. 1212 New York Ave.

Philadelphia, Pa. Washington, D. C.

Stores close at 6 p. m.

Please mention the Exchange when writing.

Marguerite II. This trip he is cruising north, along the coast from Cape May to Marblehead, Mass., where he will witness the international motor boat races. Charles W. Cartledge of this company is now on his vacation. The large conservatory in the rear of the store is undergoing its annual renovation, but the store window display is as attractive and beautiful as ever.

David Rust has not been able to be at his office since his injury, and is still kept at home by his sprained ankle.

The exhibit of the Robert Craig Co. at the S. A. F. convention at Rochester will comprise a very complete line of the Craig specialties, and will be in charge of Robert Craig, Sr., William P. Craig and Duncan Macaw, who extend a cordial invitation to all friends to inspect the exhibit. The company has sold its real estate at 4900 Market st., to the extent of 500 ft. front on Market st., with a depth of 214 ft. back to Ludlow st. The price obtained was very satisfactory. The company has one year in which to move, and the privilege of removing all greenhouses. Values in this section appear to be rising rapidly, therefore the company still retains property with a frontage of 250 ft. on Chestnut st., with a depth of 214 ft. back to Ludlow st. The purchaser was a real estate syndicate, headed by Felix Isman and George Earle, which bought in this neighborhood $2,000,000 worth of property, at greatly advanced prices, within a week's time. The property purchased of the Craig Co. will be built up with stores, with apartments above.

H. Bayersdorfer & Co. expect to make at the S. A. F. convention, Rochester, one of the largest and best exhibitions of florists' supplies ever shown in this country. An expert corps of salesmen will be in attendance.

In addition to the bowling team, composed of Robertson, Graham, Batchelor, Dodds, Connor and Adelberger, there are going to the S. A. F. convention Messrs. Jos. Heacock, Flanagan and grandson, Pyle, Libson and wife, F. J. Michell, Sr., Merrit, Shober, Rosnosky, Fahrenwald, Robert Craig, Sr., and Mrs. Craig, Wm. P. Craig, Westcott, Watson, Leo Niessen and Edward J. Fancourt. Probably there will be many additions to this list.

Detroit

The beginning of August finds us in the same predicament as during the major part of July—very little stock of good quality and quite a brisk demand for whatever is available. Working forces in stores and greenhouses are just as much demoralized as the cut flowers, because everybody takes advantage of this, the vacation season.

Our annual outing was patronized by the same jolly bunch, and many of them had sore spots for several days, as the result of too hard work in the athletic line.

It is yet difficult to state as to who will attend the convention in Rochester, but the names of those who have expressed intentions of going are noted in the list appearing elsewhere in your columns.

Many a discussion regarding the changing of the date of the convention takes place here, and the majority seem to favor some time near the middle of Lent.

FRANK DANZER.

tionally good indoor grown Asters and Gladiolus America.

William J. Baker, who is a veteran of the Civil War, expects to attend, in September, the unveiling of the memorial tablet at Gettysburg.

Godfrey Aschmann of 1012 West Ontario st. is making preparations to go to Europe to arrange for the importation of stock from that side for his Easter trade.

A. B. Cortledge of Pennock Bros. is taking another cruise in his motor boat,

F. E.—Best Advertising Medium

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
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Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
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ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
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E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
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Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
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WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
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CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
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HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Aug. 9, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	.... to	3.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	10.00
White Killarney	.... to	8.00
Richmond	4.00 to	6.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	4.00 to	5.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	6.00 to	10.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Corn Flowers	.75 to	1.00
Daisies	1.00 to	1.50
.....	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
Fancy (The highest grades of Sta'd varieties): White	2.00 to	3.00
Fancy (The highest grades of Sta'd varieties): Pink	2.00 to	3.00
Fancy (The highest grades of Sta'd varieties): Red	2.00 to	3.00
Fancy (The highest grades of Sta'd varieties): Yel. and Var.	.... to	....
Ferns, hardy, per 1000	—— to	2.00
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.00
Lily of the Valley	2.00 to	4.00
Mignonette	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	50.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	16.00
Sweet Peas	.10 to	.30
.....	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	2.00 to	3.00
Gladioli	3.00 to	6.00
.....	.... to	....
.....	.... to	....
.....	.... to	....
.....	.... to	....
.....	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO

Chicago

The condition of trade is very erratic, and there is no knowing how business is going to terminate from day to day. Some days are quiet, extremely so, and next day business is booming, and would be considered good even in a busy season. It is a policy with the wholesalers, however, to clear out stock at any time on a fair offer.

The city is a veritable beehive this week, with the many people who are attending the Knights Templars' Thirty-first Triennial Conclave. Many florists, from all parts of the country, belonging to the order are among the crowd. While this will not cause a big demand for flowers, it is likely that nearly all that are available will be utilized for the banquets and dinners that are scheduled at the different hotels this week. Among the out of town florists who are Knights Templars and Masons of high degree and who are here this week are: W. W. Coles, Kokomo, Ind., arriving on Tuesday morning with a party of friends; A. Eberfield of Kansas City, Mo.; M. C. Kent of Newark, O.; Geo. Kranz and son, Muscatine, Ia.; Nicholas Bommersbach and party, of Decatur, Ill.; J. F. Furrow, of Furrow & Co., Guthrie, Okla. Mr. Olson, of Holm & Olson, St. Paul, Minn., is also one of the Knight Templar visitors. Mr. Holm of the firm will attend the S. A. F. convention next week.

Among the retailers who have banquet and dinner decorations this week are Wittbold, LaSalle Hotel; Mangel, The Blackstone; Friedman, Auditorium; Strait & Hahn, The Wellington; The Bohannon Floral Co., A. Lange, Fleischman, Samuelson, Rowe, Muir and Smyth.

Some of our florists are not behind with their decorations for the festival. Mangel has his store festooned with quantities of Laurel and bunting; Muir of 35th st. and Michigan ave. has also come to the front, and his spacious store is most elaborately decorated, both the outside and interior being very attractive. No need to ask "Are you a Mason?" in these instances.

Robert Newcomb is spending a week in Chicago before returning to Bisbee, Ariz., where he is engaged in the florist business. Mr. Newcomb says that everything he sells is shipped to him from Los Angeles, Cal., 30 hours' journey from Bisbee, as they can produce no flowers of any sort in his locality.

Paul Reith, formerly with Newhall, of Aurora, Ill., has bought fifteen greenhouses at Downer's Grove, Ill., which he is remodeling completely; he will make a specialty of potted plants.

Gustave Swenson, Elmhurst, Ill., has been doing some remodeling and installing a complete sprinkling system. E. Wanzer of Wheaton has also installed a watering system in his houses.

The Wellworth Farm Greenhouses, Belmont, Ill., have dispensed with their entire Rose stock of Bride and Bridesmaid, and will grow white and pink Killarney instead.

Henry Seger of Washington Heights has added one more house to his already extensive place.

W. E. Lynch and wife, and J. Bohannon of the Bohannon Floral Co., with his wife, will leave next Monday, for a month's visit to Michigan. They are anticipating great results in the fishing line.

A. E. Kunderd of Goshen, Ind., who has made a life study of Gladioli, was in town last Saturday, showing some fine specimens of flowers in his ruffled varieties, which attracted considerable attention among both the wholesalers and retailers.

Asters in the fields around Chicago have been very much affected by the continued drought, while Carnations that are planted next to them do not seem to be the least affected.

Vaughan's Seed Store is showing, daily, specimen blooms of Gladiolus novelties from their trial grounds, which attract much attention from the trade, as well as from amateurs. A few of these good ones were shown at the Club meeting last Thursday evening. Early Romans and Paperwhites are due at this establishment next week.

Some fine Asparagus Sprengeri is arriving at the store of the J. B. Deamud Co. this week. Some exceptionally fine spikes of Gladiolus Amethyst, which is handled exclusively by this house, was also in evidence.

Roses are beginning to come in at Peter Reinberg's in much better form than for some time past. Stock will soon be arriving in abundance.

Vaughan & Sperry are showing some extra fine blooms of Asters, in fact, the best that have been seen this season.

Winterson's Seed Store are in receipt of a carload of Freesias and white Roman Hyacinths, which arrived from New York this week. John P. Degnan, of this house, is spending a week in Michigan, and A. E. Benisch, of the supply department, is on a week's vacation to Algonquin, Ill.

The Tri-city Florist Club held a meeting at L. Staap's, Rock Island, Ill., on Thursday, Aug. 11.

At the adjourned meeting of the Horticultural Society, August 2, C. L. Hutchinson was elected president in the place of Wm. E. Kelley, deceased. The First Regiment Armory, Michigan ave. and 16th st., has been selected for the flower show next November, the Coliseum being engaged for another event. While the Armory is somewhat smaller than the Coliseum, the location, transportation, etc., make it a very desirable place for a flower show. The regular meeting of the Chicago Florists' Club was held at the usual meeting place on Thursday, Aug. 4. The following new members were elected: A. E. Wendland of Elmhurst, Ill.; H. Yepson, Evanston, Ill.; Alex. Garland, Des Plaines, Ill.; a special committee was appointed, consisting of Wm. Graff, John Huebner, and T. C. Yarnall, to assist the regular committee on transportation and decorating the train for the convention at Rochester. The following were chosen as the bowling team from Chicago: L. H. Vaughan, Geo. Asmus, E. F. Winterson, John Huebner, Wm. Graff, T. C. Yarnall and Peter Olsem.

The vegetable growers' convention will be held at Grand Rapids, Mich., Sept. 27-29. The convention promises to be interesting, and there will be a fine program. Market gardeners and greenhouse men are urged to attend. A program will be mailed on application to S. W. Severence, secretary, 508 Walker Building, Louisville, Ky.

The Illinois State Fair will be held at Springfield, Ill., September 30 to October 8. Robert O. Dwyer, Monroe and Des Plaines sts., Chicago, is superintendent of the exhibition section, and will give all necessary particulars regarding the exhibition classes of plants, flowers, designs, etc. Some good prizes are offered in these classes and it is hoped that there will be far larger competition from Chicago than has been the case heretofore.

Visitors: A. M. Augspurger, Peoria, Ill.; Mr. Stiener, of R. R. Davis & Co., Morrison, Ill.; D. J. Olson, St. Paul, Minn.; Geo. Kranz and son, Muscatine, Ia.; Grant Nash, Cobden, Ill.; Harry Balsley, Detroit, Mich.; J. Bancroft, Cedar Falls, Ia.; J. Woodman, Cleveland, O.; Miss Willis and Miss Hyatt, Memphis, Tenn.; A. Ebersfield, Kansas City; M. C. Kent, Newark, O.

Nick Wietor, John Sinner and a party of friends, left on Monday on a fishing trip to the northern part of Wisconsin.

Convention Travel

The special train from Chicago for the S. A. F. meeting at Rochester will leave on Monday, Aug. 15, at 5.30 p.m., via the Lake Shore Railroad. It is hoped that many from surrounding towns will meet with the Chicago delegation and accompany them on the trip. Over twenty, at this writing, from out of town have signified an intention of being with the party.

Indianapolis

The florists' outing at Bertermann's Grove on Thursday, August 4, proved to be a happy event, and was attended by some two hundred florists and their families. Specially decorated cars left the terminal station at 1 p.m., bearing the picnic crowd, together with a band and all the other accompaniments of a first class picnic. The grove had been decorated for the occasion with lanterns, flags, etc. The committee looked after everybody's welfare and lost no opportunity to have the visitors enjoy the outing. Herman Junge presented the winners of athletic events with prizes, midst the cheering of the crowd. Two ball games were played with the proper amount of rooting, argument and delays to make them interesting. John Hartje, the official umpire, said he was now ready for the National League after successfully ending the games.

The following is a correct record of the athletic events: In the baseball game, South Side vs. North Side, the former was victorious with a score 11 to 1. In the married women's race Mrs. Degnan was awarded first prize and Mrs. Albert Reinkin second. The first prize in the races for girls under 12 was won by Helen Rieman and the second by her sister, Frieda Rieman; Clara Rodenbeck finished third. Prizes for the boys' races were won by Norman Hukriede, first, and Carl Eisner second. In the young women's contests Miss Louisa Rieman took first prize and Miss Esther Strickland second. The men also participated in a race, John Zoylan finishing first and Robert Fohl second. The last of all the contests was a tug-of-war between the store men and the growers, the former displaying more strength than their opponents. There were also bowling contests for men and women.

After the program of amusements the party ate a picnic supper and then started for home at 7 o'clock.

B. F. Feldner, of Zanesville, O., called on the trade this week.

J. A. E. Haugh of Anderson, Ind., visited Cumberland florists on Wednesday. Stuart & Haugh are remodeling their establishment and putting it on a first class basis.

The Indianapolis delegation to the convention will probably join forces with the St. Louis florists on the Knickerbocker Special. Not more than a half dozen members will go from this city.

I. B.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Rochester, N. Y.

Sixty-five members were in attendance at the regular monthly meeting of the Commercial Florists' Association of Rochester, and all showed keen interest in the preparations being made for the convention of the S. A. F.

Members of the Association will each be given two buttons, and will be entitled to two tickets for the convention outing; if they wish extra tickets they can purchase them at $1 each. Application for both tickets and badges must be made to H. B. Stringer, secretary's office, Convention Hall. The rules of the national Society governing the giving out of tickets will be strictly adhered to. A reception committee was appointed and parties will be stationed at all depots to welcome our guests, and to assist them in every way possible.

H. B. STRINGER.

At the last Club meeting, Geo. B. Hart exhibited a bunch of fine Aster flowers, grown by Purcell & Cragg. The flowers were from a selection from Early Wonder, taken three years ago. The color was pure white, flowers very double, and with good, stout stems.

Geo. B. Hart, the S. A. F. State vice-president, is out to secure as many new members for the S. A. F. as possible. Applicants should get in touch with him immediately.

J. Dunbar, assistant superintendent of parks, will entertain the members of the S. A. F. with a beautiful stereopticon lecture in Convention Hall on Wednesday, Aug. 17. The lecture will be very interesting, and all visitors, as well as local members, are cordially invited.

A. H. S.

Syracuse, N. Y.

Who shall say the days of miracles have passed! When I wrote of the fearful storm raging here I did not believe a single florist could escape without heavy loss, for a pane of glass, 36 by 20 in., in my dining room had been broken; yet, strange to say, all the florists escaped. In some parts of the city not a hailstone fell, while in others streets were impassable from fallen trees and limbs. Supt. of Parks Campbell says it was the most destructive storm he ever saw; in some of his flower beds the plants were literally cut to pieces, many of the hailstones weighing over an ounce.

There is a report that some of the florists at Auburn were badly hit, but I have not been able to confirm it as yet.

After canvassing everyone in the trade here I am very pleased to say that Syracuse will be well represented at the Rochester convention—every firm will send one or more—and I am mailing fifteen letters to friends outside the city urging them to attend, so feel I have done a small share to help boom the convention.

Messrs. Bellamy Bros. are putting the finishing touches to a 65-ft. forcing house and potting shed and will soon start on a propagating house which will be 150 ft. long.

Silliman Bros. have the walls up for a new boiler house and stable which will enable them to enlarge their office. Their Carnations are still in the field and have made a good growth.

Bannister Bros. have a fine stock of Ferns—about 40,000 in small sizes—and a large stock of Boston and Whitmani in grand shape.

Bard & Davis have added another house, 175x18 ft.; they are very busy getting their Rose houses ready to start up those which have been dried off. They are very successful with Meteor and have one house of it. A 175-ft. bench of Boston and Whitmani Ferns is making a splendid growth, ensuring a grand lot for Fall sales. Primula obconica is largely grown and the stock is good.

Phillips & Kocher are remodeling their place; they have pulled down the old houses and have built new ones; two are 100x17 ft., and one 50x17 ft., all with concrete walls. One house will be devoted entirely to Carnations. Their plants in the field are the best I have seen so far. Their Asters and 'Mums are looking fine.

Meneilly & Son, who are large exhibitors at the State Fair, have a splendid lot of plants for this year's show; the Ferns are particularly good, both Maidenhair and Nephrolepis; their seedling coleus, too, is a splendid lot.

Gus. Bartholome has been making great improvements to his compact plant; a large show house, 60x25 ft., is just completed in the front and, at the rear, he has built a work room, potting and wagon shed, with a large cellar under for bulbs.

H. Morris is justly proud of his Gardenias which are a splendid lot; the whole place is in fine shape.

Asters are coming in slowly and are small. Gladioli are plentiful and good. Roses and Carnations show the effect of the excessive heat. The heavy rains of the past two weeks have greatly helped all outdoor stock.

Karl Beckstert maintains neat and attractive ground in front of his houses; a long bed of Cockscombs are striking, being of a remarkably fine strain; at the back of the houses he has Sweet Peas. Carnations in the field are a worthy lot, and most all the florists who see them break the tenth commandment. His Chrysanthemums in the houses have started off well. A large bench of Boston and Whitmani Ferns is to be seen.

H. Y.

Tobacco Paper is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets. . . . 3.50
288 sheets . . . 6.50
1728 sheets . . 35.10

"NICO-FUME" LIQUID

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Over 40% Nicotine
By far the CHEAPEST.
Just Note Prices!

Pint $1.50
½ Gallon. . . . 5.50
Gallon 10.50
5 Gallons. . . . 47.25

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

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LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

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All the Clay FOR OUR Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

Please mention the Exchange when writing.

Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Please mention the Exchange when writing.

"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

KILMDEAD



25 lbs., $1.00 50 lbs., 1.75 | 100 lbs., $ 3.00 500 lbs., 14.00 | 1000 lbs., $27.00 2000 lbs., 52.50

Stumpp & Walter Co. 50 Barclay St., New York.

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The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to P. R. PALETHORPE CO. Owensboro, Ky.

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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The Book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

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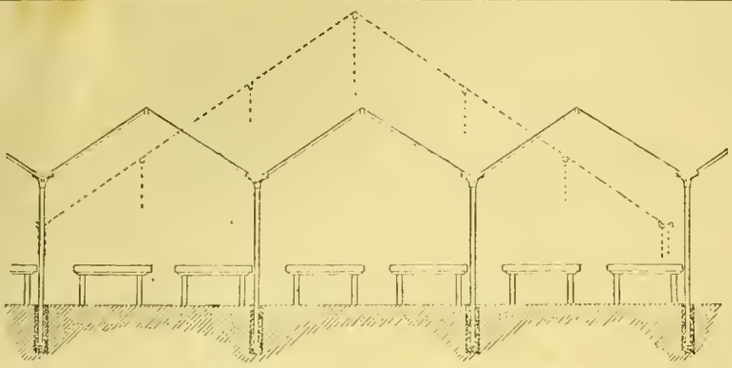

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Our Patent Short-roof Construction

Has stood the test—our customers—and we ourselves—are reaping the benefits of its merits

Note: The number of supports
The absence of unused air space
The saving of fuel
The equal distribution of ventilation

La. Cypress and Wash. Red Cedar Greenhouse Material and Hotbed Sash

A. DIETSCH CO., 2638 Sheffield Avenue, Chicago, Ill.

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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

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Strokum Stops Caterpillars Anyone Can Put It On

SIMPLY band it around your trees. No need to cut bark down smooth before applying, as Strokum fills up the bark chinks, and the caterpillars or tussock moths can't crawl under it, and won't crawl over it.



The second crop will soon be going up the trunks, now is the time to put on Strokum. It lasts an entire season, but does not stick to the bark all winter as do the unsightly smeared-on tar preparations.

Does not dry up as does fly paper. Is not carried off by the birds as is cotton.

Strokum is a purely vegetable product that we guarantee to be perfectly harmless.

Send $1.00 at once for a sample package of five pounds which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it. Send for booklet.

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Price $3.50 Send for Sample Pages

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Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
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Sheep's Head Brand Pulverized Sheep Manure



The Ideal Plant Food For Florists.

Write today for Prices and Booklet.

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The Mastin Automatic Whitewash and Spraying Machine



Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
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CHICAGO, ILL.

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BLOOD AND BONE MIXTURE

THE BEST PLANT FOOD

$2.00 per 100 lb. bag $30.00 per ton.

WILLIAM M. DAVIDGE
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Pittsburgh

We now have large supplies of good Asters, which are finding a fair market; and quantities of Gladioli, of ordinary quality, which are a drug, and the wholesalers find it impossible to move them at any price, although the leading varieties, such as America, Mrs. Frances King and Augusta, find ready sale. Lilies are again plentiful and the call for them is good; they are selling at $5 to $8 per 100. Roses are doing well, and the stock offered is worth the price asked for it. Weather conditions are still the same, no rain for four weeks, lawns and shrubbery all burning up. The forest trees are also suffering; many of the hardwood trees are dying off on account of the drought.

We have just received word that E. C. Reineman and family have returned from Europe. Mr. Reineman is an extensive traveler and it is hoped that at some later date he will give the Florists' Club a talk on floriculture as seen across the water.

The Florists' Club transportation committee has in its possession beautiful souvenir folders on Rochester as a convention city, which are being distributed gratis. Any person desirous of joining the party which will leave Pittsburgh on Monday, August 15, will communicate with the committee, Messrs. Langhans & Loew, 222 Oliver ave., Pittsburgh, at once. Fare on the certificate plan for the round trip is $12.23.

Mr. and Mrs. W. A. Clarke of the Pittsburgh Cut Flower Co. are in Chicago, attending the Knights Templars Conclave.

Ernest Zieger and family have returned from Europe and are now living at their Summer home, Etna, Pa.

Mr. and Mrs. E. C. Ludwig will extend their trip from Rochester to Albany, New York, Atlantic City and Philadelphia.

Albert Lorch, Allison Park, is drilling artesian wells to secure an adequate water supply.

Fred Burki, president of the American Carnation Society, who has been suffering with rheumatism for some time, is able to be about again.

T. P. Langhans has returned from the wilds of Michigan, where he was looking up the decorative material supplies.

D. L.

St. Louis

As the time draws near for the S. A. F. convention at Rochester we hear of quite a few who are going to make the trip but hardly as large a delegation will represent St. Louis as usual. As per arrangements made by the State vice-president, O. G. Koenig, our delegation will leave here on Monday, August 15, over the Big Four, at 1 p.m., in a special arriving at Rochester early Tuesday morning. As the Florists' Club meeting takes place Thursday of this week, more will be known as to who is going and just how many.

Those who are expected to go at this date are mentioned elsewhere; others contemplate going but say they cannot tell until the last day, so it is not until train time that a complete list can be named.

The first florists' bulletin has been issued and mailed to the local trade, also surrounding towns. The issue shows that there is considerable stock laying around and wanted by the local florists.

Henry Schisler of the Schisler Grain Co. is in Chicago this week with the Knights Templars.

Schmaus Bros. of Paducah, Ky. are visiting the local trade. They came from home in their big touring car and say they had a pleasant trip, but they expect to take the boat home and ship the car.

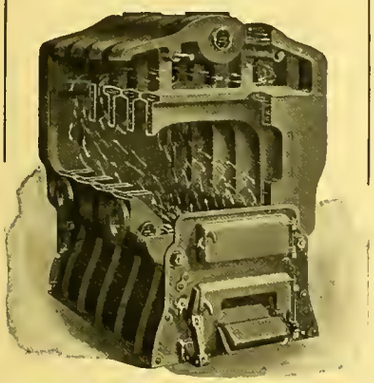
Other visitors in the city the past week were J. F. Ammann and family of Edwardsville; A. G. Fehr and E. W. Guy, Belleville, Ill.; Julius Dillhoff of New York; F. J. Farney, Philadelphia, and Edwin Denker of St. Charles, Mo.

The W. C. Smith Wholesale Floral Co. is undergoing extensive alterations, having leased the whole building. When completed it will be modern and up-to-date; this will be about September 1.

The city parks are showing much improvement under Superintendent Ernest Strehlin and Commissioner Scanlan is much pleased with his work.

ST. PATRICK.

The Ideal Greenhouse Boiler



EVERYTHING in VENTILATING and HEATING

CHARLES H. DODD

576 to 580 Ocean Ave., JERSEY CITY, N. J.

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Cincinnati

The past week was an improvement over the preceding week, and the market was well cleaned up by Saturday night of all good and salable stock. American Beauty Roses (from Heller Bros.) sold best of all and are still in demand at $1 per foot per dozen.

Chas. Pommert, the "Gold Fish Man," is sending in some fine commercial Gladioli—not the kind that you take premiums with, but the kind that fetch the dollars. They are now bringing 2c. and 3c., and orders at this price can be filled for several weeks to come. George Bayer & Son of Toledo are sending the writer some good Asters that fetch $1 to $2 per 100; this is the firm which grows Bonnaffon 'Mums to perfection, as well as Ivory. Miss Winter is the grower, and she certainly knows how.

C. J. Ohmer is shipping fine Asparagus plumosus, and will be cutting heavily in a few weeks.

Fred Gear, Jr., left this morning with the Hanselmann Commandery for Chicago.

Wm. Gear will soon be going North on his vacation; and next week will find President Chas. Critchell, ex-President Peterson and Mrs. Peterson, Louis Kyrk and Mrs. Kyrk, Miss Edith Kyrk, Miss Pfieffer, Albert Sunderbruch (commonly called "Doc"), Rodger Peterson, Otto Walke and Mrs. Walke, Albert Heckman, Jr., Herbert Greensmith, Mr. and Mrs. Ray Murphy, and Frank Westrich on the road from Cincinnati to Rochester. I hope all will vote not to change the time of holding the meetings of the S. A. F. & O. H., as to hold same in the Spring, to my mind, would mean suicide to the national Society; it is hard work to keep the membership up as it is. Let well enough alone! I would also suggest that the by-laws be changed to read so that the secretary be elected for a term of not less than five years, but with provision for a removal, for cause, by the board of directors, who could have the power to appoint his successor for the unexpired term.

The greater portion of the Cincinnati party to the convention will take advantage of an excursion to Niagara, leaving Cincinnati at noon on August 13. The fare is $7 for the round trip, via Detroit and boat to Buffalo. This is a fine trip and gives a little time on the road.

The Ohio Valley Industrial Exposition is now assuming shape, and will be held August 29 to September 24, inclusive. The decorative work for it is in the hands of J. Chas. McCullough, and former Park Supt. Critchell is doing the finishing touches. The banks of the canal are now transferred into a Palm garden, and is a thing of beauty. During the Exposition, it will be visited by President Taft, ex-President Roosevelt, Thomas A. Edison, Governor Harmon and governors of southern States and their staffs. This show will well be worth seeing; don't forget the dates and try and make a visit to Cincinnati so you can see the show. E. G. GILLETT.

THE PERMANENT INDESTRUCTIBLE



Concrete Bench

We extend a cordial invitation to the visiting Growers to inspect our exhibit at the

S. A. F. Convention, Rochester,

August 16, 17, 18 and 19, 1910



Wilson-Hoyt Company

ONE MADISON AVENUE

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GLASS

Greenhouse and Hot-Bed

SIZES OUR SPECIALTY

IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

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Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

In Your Next House

Let us figure with you on our

Steel Truss Construction

Which does away with all interior roof posts. In the wood for roof and wall construction, you cannot get anything better than our

GULF RED CYPRESS

Ventilating Machinery, Iron Fittings, Pipe, Glass, Hot-Bed Sash, Pecky Cypress for Bench Material.

THE FOLEY MFG. CO.

Western Avenue near 26th Street **Chicago, Ill.**

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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BROOKLYN, N. Y.

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THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

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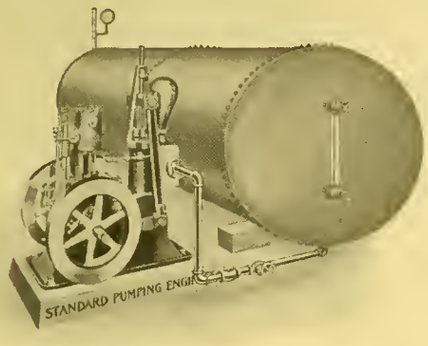
The Ideal WATER SUPPLY SYSTEM IS A STANDARD PUMPING ENGINE



Pumping directly into the pipe line or with a Pneumatic Storage Tank for reserve supply. Many years of successful experience has enabled us to design the special features required for Greenhouse work and we have the kind and size machine that you need for Deep or Shallow Wells.

Our catalogue will be mailed on request.

THE STANDARD PUMP and ENGINE CO.

19 Michigan Avenue, CLEVELAND, OHIO.

Please mention the Exchange when writing.

The Florists' Supply House of America

There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

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We Are Leaders in Greenhouse GLASS

Do not place your orders before writing us for our prices

SHARP, PARTRIDGE & CO. 22nd and Lumber Sts. CHICAGO, ILL.

Long Distance Telephone, Canal 880

Please mention the Exchange when writing.

Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.

613 Euclid Ave. - - Cleveland, Ohio

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Utica, N. Y.

Trade is fairly good for this time of year. Most florists have their Carnations about all planted. The plants grown about here this year are good, as we have had plenty of rain. Asters and Gladioli are coming in fine and of good quality. QUIZ.

Providence, R. I.

Business remains quiet in and around Providence. Asters are coming in plentifully, also Sweet Peas and Roses, but the demand is limited and prices remain low.

Eric Boneriet, manager for Mrs. Wm. Butcher at the Pitman st. greenhouses, is making quite an extensive trip abroad, visiting England, Holland and Belgium.

The manager of the Crowl Fern Co. was in town on Wednesday, taking orders for Ferns for immediate and future delivery.

Geo. Johnson & Son, Elmwood ave., had a large wedding decoration last week, for the Grant wedding.

In a recent interview with M. J. Leach of Pawtucket, R. I., he advised the writer that he has a large house under construction. This house will take the place of two small ones recently torn down, and rebuilt under one roof. He has a fine lot of Chrysanthemums coming on, also Asters. Mr. Leach's sons are the main factors in the business at the present time, as their father has practically retired from active business, giving his sons the 20 acres of land on which his large range of greenhouses is located. The greenhouses are in Seekonk, Mass.

Mr. and Mrs. D. E. Newell, Attleboro, Mass., were in town on Wednesday, taking a trip down the river for a day's outing and a Rhode Island clam dinner.

S. Kinder & Bro., Bristol, R. I., report their field grown Carnations are in excellent condition, and they will have several thousand to offer to the trade. S. Kinder was in Providence on Friday; he has been on the sick list for a week.

Wm. Hoffman's new houses are nearly completed. Fred Hoffman and family are at their Summer home at Barrington, R. I.

John Johnston, of Johnston Bros., Dorrance st., is in Maine, for a few weeks' vacation.

Samuel Reswick, of J. Koppleman & Co., left on Saturday for a week's vacation.

The Market

Roses: Killarney, Richmond, Bride, Bridesmaid, firsts, $3 to $5; seconds, $2 to $3; thirds, 50c. to $1 per 100; American Beauty, $5 to $25, according to grade. Carnations are few and very poor. Asters, plentiful, 50c. to $1 per 100. Sweet Peas, 20c. to 25c. per 100. Gladioli, $5 to $8 per 100. Lilies, $5 to $8 per 100. Centaurea, 25c. to 50c. per 100. Lily of the Valley, $3 to $5 per 100. H. C. N.

Saddle River, N. J.

The worthy secretary of the Florists' Hail Association of America, John G. Esler, has, we regret to say, been under the weather for some time past suffering from malarial fever. To help retard his recovery a fire destroyed a grocery store and outbuilding located too near to the greenhouses for personal comfort. There being no local fire company all hands, including the women, had to turn out and pump water in the endeavor to save adjacent property. However, at present writing, Mr. Esler is rapidly recovering his normal health and fully expects to be present at the Rochester convention.

Newport, R. I.

The past week has been a fairly busy one. Wadley & Smythe report brisk trade with flowers of good quality quite plentiful. The demand for Orchids is increasing and Cattleyas have been coming in quite freely. The window decorations of their store at the Casino entrance are very fine. Dahlias are beginning to come in and Manager Ralph Armstrong reports a growing demand for single varieties.

At Joe Leikens' we found all hands busy; decorations for luncheons and dinners being the order of the day; here the window decorations are also kept up lavishly and in good taste. Mr. Leikens finds his new greenhouse, and large room for making up in the rear, to be a great convenience for the execution of orders.

C. Oscar Schultz, who talked rather discouragingly earlier in the season, has entirely changed his tune. As he grows most of the stock required for his store trade he has an advantage over those not so fortunate. His Orchids have done remarkably well and have proved quite profitable. A bolt of lightning striking a hay stack in the field on the 27th of July caused a loss to Mr. Schultz of close to $150.

The Oak trees here are being killed outright by a fat headed borer, and as their work has gone on unnoticed just underneath the bark it has been a difficult matter to detect them until it is too late to save them.

ALEX. MACLELLAN.

New Bedford, Mass.

It is the old cry again, not much doing in the way of business except funeral work. Funeral work has been very good of late, using up large quantities of flowers. Asters are the main flowers to be depended on just now; they retail at 35c. per dozen, and some good blooms are now coming in; the chief variety is Queen of the Market. Carnations are not of much account; what few are coming in retail at 35c. per dozen. Roses are still coming in, and sell at $1 and $1.50 per dozen, retail. Gladioli are coming in, of fine quality; these noble flowers retail at $1 per dozen for the best. Sweet Peas are still blooming, recent rains having put new life into them; 50c. per 100 blooms is the retail price. There is plenty of outdoor flowers just now to pick from, such as Zinnias, Marigolds, Cosmos, Phlox, Asters, etc. Stock in the field is growing finely; this has been a grand season for same, more so towards the last part, good rains having fallen. Lawns are again looking fresh and green.

The stores still close early, and on Wednesdays at noon.

Wm. E. Mosher has five or six thousand Aster plants to pick from.

HORTICO.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



IF YOU SHOULD VISIT the Works of Kroeschell Bros. Co., the manufacturers of the well-known "Kroeschell Boiler," you would be very much impressed with the large number of boilers finished on orders and ready for shipment. Recently there were sixty odd of these boilers finished awaiting shipment, with as many more under construction.

One of their latest models, the No. 16, was being shipped. This is claimed to be the largest hot water boiler ever built, having a capacity of 80,000 square feet of glass for carnations at zero.

The economy of a large single unit as compared with several smaller size boilers has proven to be very great, not alone in fuel consumption and the original cost of the boiler, but also in the way of labor in attending to the firing. Many concerns are installing one large Kroeschell Boiler to do the work of two or more smaller boilers, and the large sizes have become very popular, the Eastern demand being extremely heavy. Recently a number of these large sizes were shipped into the Northwestern territory, Vancouver, B. C. and neighborhood. They have a very large trade in these boilers in the cold northwest territory, where they are also used in heating Office Buildings, Hotels, Stores, etc.

The demand for smaller boilers than the No. 1 Kroeschell Boiler for small ranges, as well as for residences, has induced them to add to their list four smaller sizes, "A," "B," "C" and "D," ranging in capacity from 2,250 square feet of glass to 4,500 square feet of glass. They now build twenty-two sizes of their Hot Water Boiler, ranging in capacity from 2,250 to 80,000 square feet of glass, enabling them to furnish boilers for ranges of any conceivable size.

It is very interesting to note the great care that is taken by this firm in the selection of the material, the construction of the boilers, and the excellent workmanship put on all their work.

The demand for Kroeschell Boilers has been very heavy, and during the past four years, the Kroeschell Hot Water Greenhouse Boiler has been installed to heat over **9,000,000 SQUARE FEET OF GLASS.** This does not include the Kroeschell Steam Boilers, of which they also sold many, to be used in greenhouses.

Their records show sales very much in excess of last year at this time, and at the present rate their business will show an increase of fully fifty per cent over last year's sales.

"WHAT THE USERS SAY"

Our heating system works to perfection. To our surprise the new No. 8 boiler mastered the whole plant, consisting of five houses 20 x 150. We only deemed it necessary to start our second boiler when the temperature went down to 8 degrees below zero. We had expected to use both boilers in cold weather, but the one boiler did such excellent work that we did not run the two boilers until December 5th when the very cold weather set in. It was a very easy matter to keep the temperature up in the very coldest weather and stormiest nights. The five houses have 20,500 square feet of glass; the No. 8 boiler is rated at 16,500 square feet of glass. MUELLER & SCHROEDER CO., 926 9th St., Milwaukee, Wis.

The No. 7 boiler is heating 10,000 square feet of glass—it will take care of 15,000 square feet. We had no trouble to keep up temperatures when it was 15 degrees below zero, with a heavy wind. The boiler has given entire satisfaction. It is certainly an up-to-date affair and we would use no other. CERNY & ROWE, Kirkwood, Mo.

TAKE OUR ADVICE ON BOILERS. SEND FOR CATALOGUE.

KROESCHELL BROS. CO., 468 West Erie Street, CHICAGO, ILL.

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Estimates Cheerfully Furnished

S. JACOBS & SONS

Get Our Prices and Catalogue

1365-1379 Flushing Ave. ESTABLISHED 1871 BROOKLYN, N. Y.

Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock



GREENHOUSE GLASS 20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers

Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of **HOT-BED SASH** in the United States

OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York

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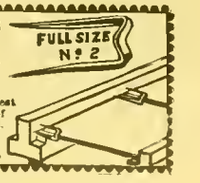
Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Please mention the Exchange when writing.

We Are Going To The Convention This Year And Exhibit

FOR several years we have not exhibited at the S. A. F. Convention—got out of the way somehow, and every summer when August came around, we have been so head over heels with work, that we couldn't seem to squeeze in anything extra. But things are pacing up faster with us now, and we have reached the place, where the more we have to do, the more we seem able to do. You know how it is—the busier you are, the more time you have to be busy.

WE have not engaged the biggest space in the hall, nor are we going to make a big splurge—burn red fire or serve cold tea and pretzels, but in our Exhibit you will find some pointed pointers about heating. The kind of pointers that save you money—and profanity.

THE manager of the Material Department promises to make a good showing—and he keeps his promises. The wide house and the extra wide house, are coming in for their share. We have something to say and show on the subject, that will make you straighten right up and take notice. A New Kink in Ventilation will surely interest you.

OUR "trouble man" will be there (brogue and all) to talk on heating with you; and the Material and Construction Departments represented by men who know. Come around and shake hands with us, and keep acquainted or get acquainted as the case may be.

Hitchings & Company

Elizabeth, N. J.
New York, N. Y.

Please mention the Exchange when writing.

BEFORE YOU BUY
GET OUR PRICES

Greenhouse Material

Any Style and Size



The best and cheapest.
WRITE US.

A. C. TOOF
Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.

Please mention the Exchange when writing.

Washington, D. C.

Funeral work among the stores has been rather abundant during the week. Roses are improving, but at present Asters constitute the best stock offered.

C. O. Tavenner of Arlington, Va., is cutting some fine Asters, and further reports prospects for a good Dahlia crop as excellent.

The S. S. Pennock-Meehan Co. had a busy week on supplies. Their Gladioli season has closed, but they are getting shipments of good Asters in quantity. Edw. J. Fancourt, secretary of the company, is expected from the Philadelphia store to relieve Mr. Bowers, the local manager, who will put in a week among the growers and shippers of this vicinity.

Leapley & Myer, two young men who recently entered into business at 905 G st., N. W., report excellent success. They report having sold 3700 3" home grown pot Roses in two and one-half days at 10c. They are also selling many Ferns and funeral designs. The place has been much improved, and on September 1 they will exhibit a specimen stock of hardy evergreens in tubs, Apples, Grape vines, etc.

F. H. Kramer and wife are enjoying a week's vacation out of town. His conservatory at the store contains some well arranged groups of Palms and Ferns.

The Gude brothers left on August 7 for Chicago, to ride in the Knight Templar Conclave parade. They expect to spend a week and return in time to unite with others of the local craft and some from Richmond, Va., who will leave on the 15th for the Rochester convention. The Messrs. Gude are still enthusiastic over their recent trip to the Harrison Nursery Co., at Berlin, Md., which was made in company with the G. and F. Club of Baltimore.

Geo. A. Comley of Wisconsin ave., Georgetown, reports a busy week for funeral work. He is preparing for a large Fall trade.

J. Louis Loose and wife, who have been touring France and Italy for several months, are expected home this week.

The Washington Florists' Co. are meeting with good success in the sale of their new Rose, Mrs. Taft, and are accordingly increasing their stock each year. They also showed some fine Cardinal of their own growing. Walter Gordon of this concern returned on Sunday from a week's vacation, relieving Fred Gust, who is now putting in a week down the river. The whole of the 13th st. window of the Washington Florists' Co. has been transformed into a very attractive water garden, with excellent scenic effect. The water trickles through segments of rustic bark forming troughs, the bottoms of which are covered with pebbles. Two miniature lakes in series are well set with Water Lilies and aquatic plants, while the bottoms are covered with gravel, larger stone protruding into rockeries at intervals and relieving an edging of small Ferns and mosses. To the right of the lower tank, rising out of the water, is a miniature Japanese lighthouse and garden. An artistically arranged stairway leads from this point to a bridge which connects with a hectagonal Japanese tea house, with especially imported dwarf Japanese Pines, etc. This latter structure is of rustic Japanese effect and stands well back of the water garden. To one side of the bridge and stairs on the floor of the store is a pool fed from the last lake above. This pool is also cleverly executed, much of the window decoration was done by Fred Gust.

JAS. L. CARBRY.



Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

JOHN A. PAYNE
Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York.



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO

DESIGNERS AND BUILDERS 1 MADISON AVE. NEW YORK

Please mention the Exchange when writing.

Get Our Bulletins on Greenhouse Construction

ALTHOUGH WE ARE NOT THE OLDEST IN THE BUSINESS WE HAVE DONE BIG THINGS AND ARE FULL OF NEW BLOOD AND LIVE IDEAS, AND ARE NOT HAMPERED BY BACK HISTORY. : :

Have You Seen A King Greenhouse? If Not Ask The Man Who Has One

King Construction Co.

North Tonawanda, N. Y.

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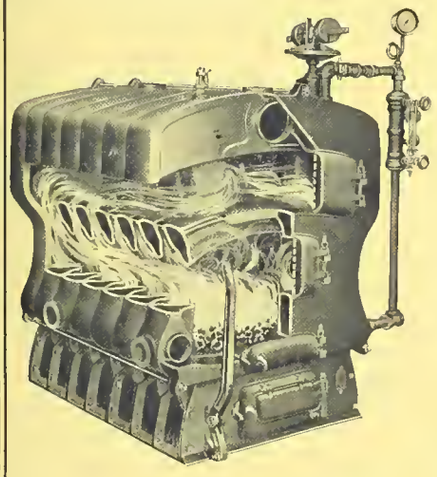
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."

For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now ! ! !

JOHN C. MONINGER CO.

CHICAGO

906 Blackhawk Street

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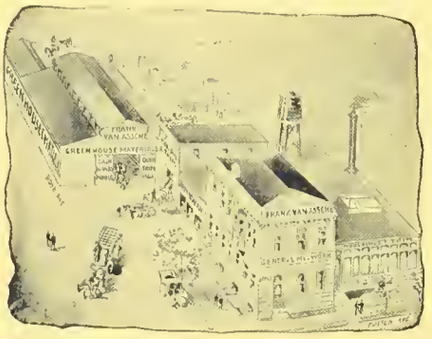
GREENHOUSE MATERIALS



FURNISHED and ERECTED

IRON or WOOD SASH BARS

In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

Frank Van Assche

Fulton Ave., Rose Ave. & Dwight St.

JERSEY CITY, N. J.

Please mention the Exchange when writing.

A. HERRMANN

Manufacturer of **Floral Metal Designs**

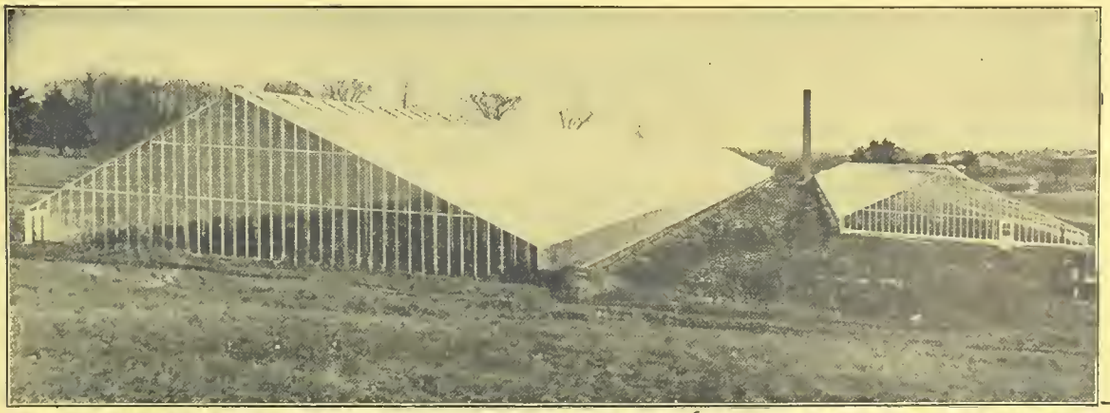
IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Please mention the Exchange when writing.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

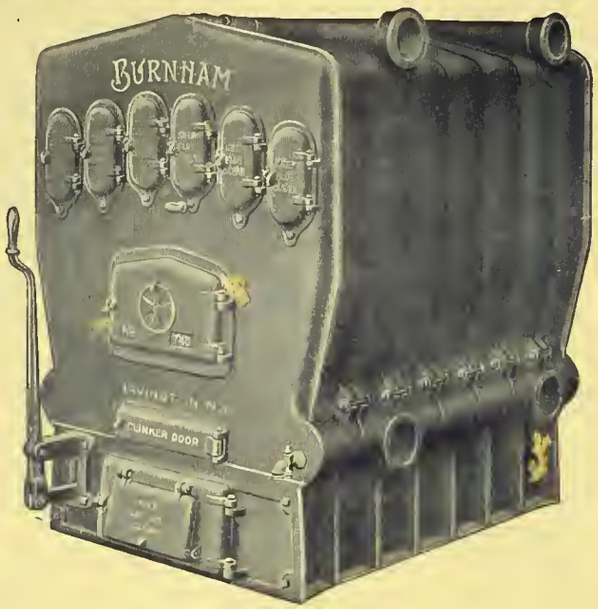
THE "L. AND B." PAGE



SELF OILING GEAR

It is listed at $20.00 (but that's without the discount)—by *it* we mean the entire thing, the top gear, bottom gear, hand wheel, the 10-foot column and special cast iron foot piece. We said $20.00, but we suggest your writing for a discount—we give a very large one to the florist trade.

See 1910 Edition Handy Hand Book, page 42—for detailed description.



THE FULL CONTROL BOILER

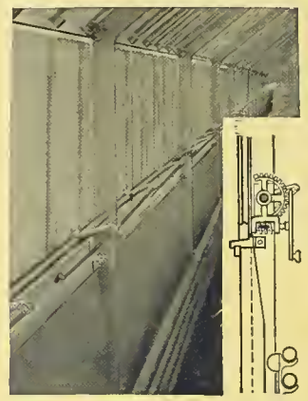
You can control the coal you burn—the heat you get. Fix The Burnham at night and the next morning your fire will be there just the way you wanted it. When Mr. Burnham designed this greenhouse boiler, he knew what he was doing—he didn't pattern it after house heating boilers, but he did make an out and out *greenhouse boiler*, and therein lies the important difference between The Burnham and every other Cast Iron Boiler sold for greenhouse heating.

Buy a Burnham—the boiler with the full control—the boiler that does greenhouse heating the way greenhouse heating ought to be done.

Made in 42 sizes for water and steam.

Will heat from 2,800 to 27,600 square feet of glass—Water.

Will heat from 2,800 to 27,600 square feet of glass—Steam.



CLOSE WORKING SIDE GEAR

It is out of the way, as it does not extend into the side walk beyond line of heating pipes. It's a powerful, smooth working gear carefully made of best grade castings. Write for price.



SASH

Sash That Last, that's what these sash are. Last because they are built to last. The cypress is all carefully selected, but *it's the making that also counts*—the blind mortise joints—the steel dowel pins—the round iron center cross support and binder—the bevelling of the bars and so on—it is these details that make our sash the sash they are.

Sold unglazed and unpainted or painted and glazed—Double Glass if you want it—See 1910 Edition Handy Hand Book, page 36.



SPECIAL PUTTY

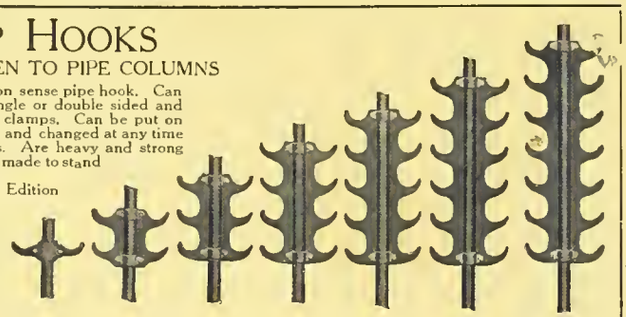
By special, we mean a putty made especially for greenhouse glazing. We make every pound of it ourselves. *Nothing* but pure whiting, the very best grade of linseed oil and "know how" goes into it. It is so pure, so thoroughly mixed, *so well cured* that it's smooth as satin to the feel. When it feels that way we know it is all right and will *stay put* where it is put. Not only stay put but *keep on staying put*. We are selling tons of it every year. 100 lbs. packed in a leak tight, sheet iron tub like this, costs $3.35, f. o. b. our factory, Irvington, N. Y. Order one. Money back "if not up to specification."

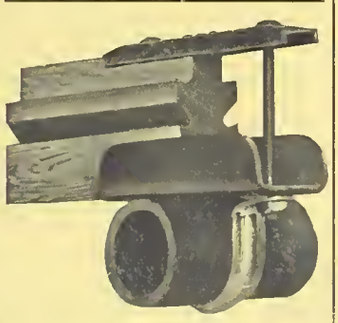
CLAMP HOOKS

TO FASTEN TO PIPE COLUMNS

It is the common sense pipe hook. Can be made either single or double sided and use the same two clamps. Can be put on after house is up and changed at any time to grade the pipes. Are heavy and strong—will not break—made to stand the racket.

Send for 1910 Edition Handy Hand Book Supplement No. 1 which shows twelve pages of hooks and fittings.





CLASP BAR SPLICE

It splices roof bars for the wide Pipe Frame or Semi-Iron Houses. Cut your bars so that they butt together at the pipe purlin; then put the bolts of the splice through each end of the bars and the purlin binder in place, and tighten the nuts. Not only is this splice one of great strength, but it is *weather tight*, which is a most important point. Write for special prices.

No. 1090



PIPE HANGERS

FOR CONCRETE BENCHES

No. 1091



These hangers can be put on at any time without injury to the concrete, and are easily adjusted to the desired grade by the nut at top of wrought iron suspending rod. Number 1090 is for 1¼ inch and 2 inch pipes, and can be furnished for carrying any number of pipes. Number 1091 is also made for carrying either 1¼ inch or 2 inch pipe. They are both of them strong, well made hangers that solve, in a thoroughly practical way, how best to handle pipes with concrete benches. For particulars and prices send for 1910 Edition Handy Hand Book Supplement No. 1.

CAST IRON SECTIONAL Expansion Tank



Won't rust out—can be enlarged at any time—Saves buying new tanks when you enlarge your greenhouse. We use them on all our jobs whether private or commercial. See 1910 Edition Handy Hand Book, page 69.

LORD & BURNHAM CO., IRVINGTON, N. Y.

NEW YORK	BOSTON	PHILADELPHIA	CHICAGO
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery

S. A. F. & O. H. Convention Report Number

The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 8 NEW YORK AND CHICAGO, AUGUST 20, 1910 One Dollar Per Year

LILIUM HARRISII

Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:

3-inch pots ..... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

☞CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

WE are Headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagation.

We are now shipping fine stocky plants from 3-inch pots in a good assortment of Standard kinds at $3.00 per 100, $25.00 per 1000.

Cannas and Dahlias. Send for List.

Alyssum and Swainsona,
White, 3-inch, at $3.00 per 100.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 315



Bear in Mind

That The Convention is now over, and what you want now is Bulbs For Potting Purposes.

LILIUM FORMOSUM, 7 to 9, $8.00 per 100; $70.00 per 1000.

LILIUM FORMOSUM, 9 to 10, $10.50 per 100; $95.00 per 1000.

	Per 100	Per 1000
LILIUM HARRISII, 5 to 7	$5.00	$45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
WHITE ROMAN HYACINTHS, 11 to 12	2.25	20.00
WHITE ROMAN HYACINTHS, 12 to 15	2 75	24.50
WHITE ROMAN HYACINTHS, 13 to 15	3 00	28.50
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

LILIUM HARRISII

FOR EARLY FORCING ARE NOW READY

	Per 100	Per 1000
5-7 inch (400 to case)	$4.50	$40.00
6-7 inch (333 to case)	6.50	60.00
7-9 inch (200 to case)	9.50	85.00
9-11 inch (100 to case)	Scarce	

FREESIA

White Bermuda	Per 100	Per 1000
Mammoth, ½ to ¾ inch	$1.00	$9.00
Choice, ⅜ to ½ inch	.85	7.50
French Grown		
Jumbos	$1.75	$12.00
Mammoth, ½ to ¾ inch	.90	8.00
First Quality, ⅜ to ½ inch	.70	6.00

Our Import List of All Forcing Bulbs and Plants is Now Ready. Write us for it.

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

The Book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. DeLaMare Ptg. & Pub. Co. 2 to 8 Duane St. New York

STUMPP & WALTER CO.'S

Winter Flowering

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. New crop seed has just arrived, and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. C. H. TOTTY, Lavender	.15	.50	1.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50

READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

Roman Hyacinths

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00
White, 15 ctms. and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

	Doz.	100	1000
5 x 7, 400 to case	$0.75	$5.00	$40.00
6 x 7, 333 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	1.25	8.50	75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

MAMMOTH BULBS	$1.00	$6.00	$40.00
THICK PETALED VARIETY	1.00	6.50	60.00

Freesia Bulbs

	100	1000	5000
REFRACTA ALBA MAMMOTH	$1.50	$10.00	$45.00
REFRACTA ALBA, Selected First Size	.85	7.00	34.00
JUMBO BULBS	2.00	15.00	70.00

Stumpp & Walter Co.

50 Barclay St., NEW YORK

Please mention the Exchange when writing.

ORDER NOW
NEW CROP
Pansy Seed



Paper White Narcissus—White Romans
Lilium Harrisii—Freesias
PURE CULTURE and ENGLISH MUSHROOM, etc.
HIGHEST QUALITY—REASONABLE PRICES
See Our Giant Pansy offer in last issue
Write for our Wholesale Bulb List
Johnson Seed Co., 217 MARKET ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

Japan Bamboo Stakes
Strong and Durable. For Lilies, 'Mums, Gladioli, etc.
Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $9.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.
Ask prices on all Forcing Bulbs Fall Delivery.
H. H. BERGER & CO.
70 Warren St., New York City
Please mention the Exchange when writing.

Thorburn's Bulbs
Trade Bulb Catalogue Now Ready

Lilium Harrisii
High Grade Stock
5 to 7, 6 to 7,
7 to 9, 9 to 11,
At Popular Prices
INQUIRIES SOLICITED
J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK.
Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds
Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.
Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

LILY BULBS
Ready for Immediate Delivery.

	Per 1000
LILIUM FORMOSUM	
7/9	$65.00
8/10	87.50
9/10	90.00
LILIUM HARRISII	
7/9	90.00
LILIUM JAMESII	
6/7	72.00
7/9	95.00

NARCISSUS—Paper White, Grandifloras, 14/up, 1000 to a case, $11.00. This stock is of the finest grade obtainable. No better stock is being offered.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg, PHILADELPHIA, PA.
Please mention the Exchange when writing.

HAVANA Tobacco Seed
(TRUE VUELTA ABAJO)
$1.25 per lb. by mail prepaid.
Write for prices for larger quantities.
Cash with order.
Alberto R. Langwith & Co.
Seedsmen and Florists
66 Obispo Street, Cerro, Havana, Cuba
Please mention the Exchange when writing.

Cineraria Seed
Large-Flowered Prize, Splendid Mixed. Trade Pkt 50 cents.
Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.
PANSY
Beckert's Superb Mixture. Ounce, $4.50.
W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.
Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.
Cash with order.
R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.
Please mention the Exchange when writing.

Dutch and French Bulbs
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt
Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity
Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—August 9.—J. W. Hampton, Jr. & Co., 18 cases bulbs; Knauth, Nachod & Kuhne, 1 case bulbs. August 11.—Maltus & Ware, 57 cases bulbs; P. C. Kuyper & Co., 2 cases bulbs; N. Nungesser & Co., 150 bbls. Clover seed. August 13 and 14.—Maltus & Ware, 49 cases bulbs, 4 cases plants; J. W. Wood & Sons, 200 bbls. Clover seed; Jaob & Juillen, 50 bbls. Clover seed; H. Nungesser & Co., 200 bbls. Clover seed.

American Notes

Trade Still Improving

Business in all seasonable lines is surely slowly but steadily improving with the seedsmen in every section of the country. As is always the case, just as soon as bulb sales commence, other lines at once begin to pick up and this state of affairs is proving as true this season as it always has in the past.

Orders for French bulbs are being received in larger volume than for many a season and even at the very start of the selling time for these, many dealers who are very conservative in ordering much supplies are looking about to see where renewal of stocks can be accomplished.

It is only necessary to say a word or two about other lines. Insecticides are selling well, as are also, in fact, all other sundries that are seasonable.

It will not be long now before the Dutch bulbs begin to arrive and just as soon as the distribution of the Fall bulb catalogs does commence, great activity will be in order. As the writer in this column has done his very best to point out in other weeks, we are destined to have a bulb season that will surprise even the veterans this year.

Another Word About Peonies

A few weeks since, your attention was called to a short article in this column regarding the splendid outlook for sales another Spring which seemed to be shaping themselves for the Peony. The Peony has always been and is well adapted for handling by the seedsman; in fact, there is no more work in this direction of shipments than with other bulbs and roots. Every dealer who issues a catalog, no matter how small his list may be, should list anywhere from six to twenty-five of the better class of hardy Peonies with good descriptions, and suitable illustrations, and he will be surprised what splendid sales can be accomplished.



"NOT HOW CHEAP—
BUT HOW GOOD"

Horseshoe Brand Formosa Lilies

In all sizes ready for shipment

Write for prices

RALPH M. WARD & CO.
12 West Broadway
NEW YORK

Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

HEADQUARTERS FOR

GLADIOLI

AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

CANNAS

We grow over one million and offer for Fall or Winter delivery as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Con.

Please mention the Exchange when writing.

Chrysanthemums

and

Aster Seeds

Elmer D. Smith & Co.

ADRIAN, MICH.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 889 Market Street PHILADELPHIA, PA

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** for Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

The Future of the Gladiolus

While on the subject of bulbs, just a word regarding the splendid future which is certainly in store for the Gladiolus. It is one of the dry bulbs that seedsmen like to handle, and while enormous sales have been consummated, especially during the last few seasons, they will be looked upon as small when compared with what seems to be in the future for this most desirable bulb which the retail customer purchases liberally for the home garden. Here is another chance to illustrate your 1910-11 catalog with Peony and Gladiolus bulbs as above observed. In this connection, the writer would say that it is not necessary to catalog a long list of the expensive named varieties. These can be purchased from your wholesaler as you receive orders, but do certainly put in stock one or two mixtures that can be retailed. Why not have a mixture to be sold at 25c. a dozen and another to be disposed at 50c. to 75c. per dozen? It may be considered early to mention these matters for next year's catalog, but the time will not be long before we are once more in the midst of another season.

Seedsmen's Advertising

The matter of the advertising for the campaign of 1910-11 is already forcing itself upon our attention. There is no question but that the coming seed selling Spring season will see larger advertising in agricultural and horticultural papers by seedsmen than ever before, and this being the fact, it behooves every seedsman to give this matter his most careful, serious and expert consideration. It is of course, impossible, in a few words, to call your attention very exhaustively to this important matter, but when you do make up the list of magazines and newspapers in which your advertisement will appear, be most careful in discarding those from which there is the least chance of your not receiving full value; the writer means here, discarding those that will not surely bring you the line of business you are seeking. In the United States today the number of magazines and newspapers, general and special, is so large and comprehensive that it is not necessary to take any second rate mediums whatever.

A Last Word About That Bulb Catalog

The writer cannot but feel that many of our readers will think that the persistence with which the matter of the Fall bulb catalog has been referred to in these columns during the last three months or so has been, in a way, too often repeated; but so clearly can be seen, at this writing, the enormous sales in bulbs for Fall planting of all kinds just ahead, that it does seem too bad for even the smallest dealer in things horticultural not to have at least a proper list of Fall bulbs which will wonderfully increase his sales along these lines. You will give the writer credit for telling you this several months ago; in fact, it is the purpose of The Florists' Exchange in the few remarks in this column, week by week, to try and place some of the things before you in a conservative way that seem to be sure of business materialization.

V.

New York Seed Trade

Good sales have at last materialized, and everyone interested in matters horticultural is correspondingly happy. Business is picking up fast, both wholesale and retail, in all seasonable lines, including, of course, French bulbs which have arrived in goodly quantities.

It is unnecessary to say that the one absorbing topic of interest this week has been the Rochester Convention, and those of us who have been obliged to stay at home have certainly envied, as in no previous season, all who have been able to get to Rochester.

It seems to be in the air that we are to have a great Fall season, and just as soon as the Rochester Convention is over there is no question whatever but that the most active Autumn bulb selling in years will have its opening.

It was very unfortunate, in a way, that John Lewis Childs' annual Gladio-



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, **$1.00**; ¼ ounce, **$1.50**; ½ ounce, **$2.50**; 1 ounce, **$5.00**; ¼ pound, **$14.00**; ½ pound, **$25.00**; 1 pound, **$50.00. Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN
124 Ruby Street, Lancaster, Pa.

his display took place last Saturday, as, of course, everyone was rushing so strenuously to get off to Rochester that the attendance at Flowerfield was naturally curtailed. Mr. Childs sent out a most cordial invitation to inspection of his extensive fields of Gladioli now in full bloom at his new place, Flowerfield, Long Island, on Saturday, August 13, as above stated. Flowerfield is some 50 miles from New York City and in every way has proven most satisfactory as an additional acreage for Mr. Childs' ever-growing business. Those seedsmen and others who did attend this field inspection returned more than delighted with what they saw, and feel a genuine enthusiasm for the future of the Gladiolus.

Wm. Elliott & Sons have been making a most attractive display of cut Gladiolus blooms at their Vesey street store the past week. Several of the newer varieties were noted.

Leonard H. Vaughan, who, since Mr. C. W. Scott severed his connection with Vaughan's Seed Store here (Mr. Scott going, as previously announced, to become manager of the Yokohama Nursery Co. at 31 Barclay st.), has been taking charge of the New York business. Mr. Vaughan expects to be here several days and will no doubt find time to run up to Rochester.

J. M. Thorburn & Co. are much pleased with the advance orders already received for Holland bulbs and expect a most satisfactory season.

Charles Littlefield of Peter Henderson & Co. was present, in the interests of his firm, at the field exhibition of Gladiolus given by John Lewis Childs at Flowerfield, L. I., on Saturday of last week.

There would seem to be very little news about town this week. Everything is Rochester Convention, and those seedsmen that have not gone are so few and far between that there are few to talk to.

Burnett Bros. are distributing their retail Fall bulb catalog. This is a very attractively printed and finely illustrated book which should be in the hands of every purchaser and user of bulbs. This edition is from the press of the A. T. De La Mare Printing & Publishing Co. of this city.

Peter Henderson & Co., this season, issued perhaps the most attractive Midsummer catalog they have in years, giving special space to pot grown Strawberry plants, in which their sales have wonderfully increased this season over previous years.

Wm. Elliott & Sons are receiving excellent returns from their wholesale trade bulb list, which they distributed a week or more ago.

Reports continue to be received that Peas will be very, very short and Beans practically the same. It may be said that Sweet Corn is in the same category; there is going to be hard picking another Spring to supply all the needs in these staple lines.

J. M. Thorburn & Co. have been displaying, this week, some very fine specimens of Noroton Beauty Potato. This early sort seems to be gaining more friends and selling in larger quantities with each succeeding year. The Thorburns were certainly very fortunate in obtaining and introducing such a valuable addition to the list of early varieties.

Ralph M. Ward & Co. have on hand, ready for shipment, all sizes of their Horseshoe Brand Lilium Formosum. This firm is making some very attractive prices for these and is certainly sending out some excellent stock.

The "Buds" Seed Store will handle the most complete line of everything in French and Dutch bulbs the coming season. Selected florists' flower seeds, including Cyclamens, Pansies, Cinerarias, Calceolarias, etc., of the new crop and from the very best sources, are also being received.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.15	$0.50	$2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch	.15	.50	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color..	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye..	.25	.75	2.50
Giant King of the Blacks (Faust). Black.	.15	.50	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.



	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price.	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating.	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich.	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color.	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50

HENRY A. DREER, PHILADELPHIA, PA.

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S. Crown 8vo., Cloth, 212 pages, 42 illus.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, **FLORISTS' EXCHANGE,** 2 to 8 **Duane st., New York.**

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Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ⅛ oz., 75c.; ½ oz., $2.75; 1 oz., $5.00.

Christmas Flowering Sweet Peas

	Oz.	¼ lb.	Lb.
CHRISTMAS PINK, pink and white	$0.10	$0.35	$1.00
CHRISTMAS WHITE (Florence Denzer) pure white	.10	.35	1.00
Mrs. E. WILD, carmine or dark pink	.15	.40	1.50
CHRISTMAS METEOR, scarlet	.25	.75	2.50
Mrs. WM. SIM, salmon pink	.15	.40	1.50
Mrs. CHAS. H. TOTTY, beautiful sky-blue	.25	.75	2.50
Mrs. ALEX. WALLACE, fine lavender	.15	.40	1.50

PAPER WHITE NARCISSUS

Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 cms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.

Send for Florist's Wholesale Price List

Please mention the Exchange when writing.

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Brown, Bronze and Light Blue Shades.** Trade pkt. 25c., any five $1.00.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost, Kenilworth, N. J.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

20,000 VIOLET PLANTS

Marie Louise, Farquhar and **Princess of Wales,** fine field-grown plants, free from any disease, $5.00 per 100.

CARNATIONS, a few thousand **Pink** and **Rose Pink Enchantress,** extra large, field-grown plants, $6.00 per 100.

ASPARAGUS PLUMOSUS NANUS, 2¼ in., fine plants, $3.00 per 100.

GERANIUMS, Rooted Cuttings, booked for delivery on or before Nov. 1st, of the following varieties: **Poitevine, Nutt, Grant, Doyle, Ricard, Perkins, La Favorite,** and **Mme. Salleroi,** $1.00 per 100, $10.00 per 1000.

WHITE PLAINS NURSERIES

HERMAN BOWMAN, Prop.

92 Railroad Ave., WHITE PLAINS, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Violet Plants

Gov. Herrick and Princess of Wales, fine field plants, $5.00 per 100, $45.00 per 1000.

Lady Campbell, $4.00 per 100, $35.00 per 1000.

Aster Plants

Semple's Branching, White, Pink and Lavender, $1.75 per 1000.

PRIMULAS, Chinese and Obconica, CINERARIA (dwarf) Double, ALYSSUM, ASPARAGUS SPRINGERI, 2½-inch, $2.00 per 100, 300 for $5.00.

CELERY and CABBAGE PLANTS, best varieties, $1.00 per 1000, $7.50 for 10,000.

PARSLEY PLANTS, Double Curled, from field, $1.50 per 1000.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

VIOLET PLANTS

MARIE LOUISE and FARQUHAR VIOLET PLANTS, strong and free from disease, 3 in. pots, $3.00 per 100; 4 in., $4.00 per 100.

Field-grown, ready September 1st, $5.00 per 100.

Satisfaction guaranteed. Cash with order.

C. LAWRITZEN

Box 261, Rhinebeck, N.Y.

Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

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Philadelphia Seed Trade

The seed stores are now exposing for sale, in the line of field seeds, Crimson Clover, Millet, Timothy and Winter Rye, but none of these appear to be moving very briskly. On the counters of a few stores only may be seen bulbs of Oxalis, Paperwhite Narcissus, Lilium Harrisii, Freesias and French Trumpet Major, but buyers have hardly had time to note these, and the sales consequently have barely begun; the shipping of the larger orders for these bulbs is going on briskly.

The Johnson Seed Co. has just received consignments of new Pansy Seeds, including some of Henry Mette's "Triumph of the Giant Pansy"; also Myosotis, Primula, Bellis, Dianthus and Cineraria. It has also the new crop of Crimson Clover at a somewhat reduced price.

The Moore Seed Co. is beginning to have some counter trade in Narcissus, Lily, and Calla bulbs. Its shipping orders are unexpectedly large and are using up all surplusage. Clarence W. Moore of this company has been spending a few days at Cape May. Letters to the company from Nebraska seed growers indicate a 50 per cent. delivery on early Sweet Corns and Flint varieties of Field Corn, a heavy shortage on Winter Squash seeds, a light crop of Pumpkin and Watermelon, and from 50 to 60 per cent. delivery of Muskmelon seeds.

Tickets are out for the clambake and outing of the Elberon Horticultural Society, to be held Wednesday afternoon, Aug. 24, at South Seaside, Port-Au-Peck Grove, near Pleasure Bay, Long Branch, N. J. Games for prizes are to begin at 1 o'clock, the clambake is fixed for 4 p.m., and a good time for everybody, old and young, is promised. Tickets $2, children under 10 years free.

Henry A. Dreer this week is making a window display at his store, 714 Chestnut st., of many varieties of Dreer's Double Fringed Petunia blooms. The colors are varied and the flowers very beautiful. Some wonderfully handsome plants of fancy Caladiums also are shown. Among these, especially rich in coloring, are Bertha S. Eisele, Guararapis, Torchlight, and Rio de Janeiro.

The Henry F. Michell Co. is offering on its counters Fisher's Purity Freesias and Oxalis Grand Duchess in white, pink and lavender colors. In plants, it is offering some good potted Strawberries. It continues to feature in the store windows French Mushroom spawn, and Mushroom literature. This company distributed as souvenirs at the S. A. F. Convention a large number of useful one foot rules, and two-bladed pocket knives.

Walter P. Stokes of the Stokes Seed Co. of this city and S. F. Willard of the Comstock & Ferre Seed Co., Wethersfield, Conn., arrived in New York from Europe this week.

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Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

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$6.00 per 100.

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The strain which I offer is unsurpassable, in five colors including fringed varieties, extra well grown plants from 3 inch pots $7.00; from 4 inch pots $15.00 per 100, now ready.

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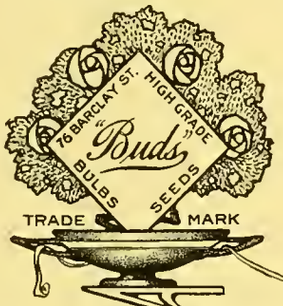

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		Per 100	Per 1000
LILIUM HARRISII	5-7	$4.50	$40.00
LILIUM HARRISII	7-9	9.50	85.00
LILIUM FORMOSUM	7-9	7.00	65.00
LILIUM MULTIFLORUM	6-8	3.00	28.00
LILIUM MULTIFLORUM	7-9	5.00	45.00
LILIUM MULTIFLORUM	9-10	8.00	72.00
LILIUM GIGANTEUM	7-9	7.00	60.00
LILIUM GIGANTEUM	9-10	10.00	92.00
FREESIA REFRACTA ALBA (Extra Size or Mammoth)		1.25	9.00
FREESIA "PURITY" (True Stock)		2.50	20.00
NARCISSUS, Paper White Grandiflora		1.25	9.00
ROMAN HYACINTHS (12-15)		2.75	24.00
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CYCLAMEN PERSICUM GIGANTEUM

Berglinden Strain (Cannot be equalled in this country)

	100 Seeds	1000 Seeds
Mont Blanc (Pure White)	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum (White with Dark Eye)	.60	5.00
Roseum (Rose Blush)	.60	5.00
Salmoneum (Rich Salmon)	.60	5.00
Lilacinum (Beautiful Lilac)	.60	5.00
Rococo (Extra Large Fringed)	.75	6.00

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FOR FLORISTS WHO ARE PARTICULAR

SPECIAL MIXTURE "BUDS." (We expect to make our name famous with this mixture. Use it—you will make no mistake.) $5.00 per oz., trade packet $1.00.

PANSY—Any separate variety of merit grown.

Have just received and now in stock choice varieties of all seeds used by Florists for Fall Sowing.

Send in your list for special prices at once and order early. (Florists know the importance of this.)

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Herbaceous Peonies

A splendid lot of roots, most of which have been grown in nursery rows one or two years since they were divided. The list embraces the best and most popular varieties. Being upon land that has been sold for building purposes, they must be sold quickly. Prices $6.00 per 100, upward to $13.00 per 100 for **Festiva maxima.**

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I offer perhaps the largest and best stock of German, Japanese and Siberian Iris in America. The roots are strictly first class, true to label, and the prices are right.

Special Trade List of Peonies and Iris mailed to Nurserymen, Seedsmen and Florists, upon request.

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A great clearing sale of the very best varieties at extremely low prices. All these are large six-year old clumps and undivided. True to name.

FESTIVA MAXIMA, Pure White with Carmine Center, $2.00 per clump (true stock).
RICHARDSON'S RUBRA SUPERBA, $1.00 per clump.
FRANCES ORTEGAL, 50c. per clump.
MIXED VARIETIES, Mostly White, 25c. per clump.

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SPRENGERI IRIS

Sprengeri, at $15.00 per 1000, good stock. **German Iris** in Mixed Colors, at $2.50 per 100.

COLEUS, Rooted Cuttings

Golden Bedder and **Verschaffeltii,** at $5.00 per 1000; Fancy, in assortment, many of them D. K. Herr's Famous Giant-Leaved, at $5.00 per 1000. These prices will be advanced later in the season.

GERANIUMS, Rooted Cuttings

Ricard, Poitevine and **S. A. Nutt.** Orders booked for delivery on or before October 15, at $10.00 per 1000.

ALTERNANTHERAS

P. Major and **Red Rug,** the two best reds; field plants, full of cuttings, at $1.00 per 100; unrooted cuttings, $3.00 per 1000; D. K. Herr's stock.

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BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in	$7.50	45-48 in.	30 in	$10.00
46-50 in.	28 in	8.00	46-54 in.	34 in	12.00
			46-53 in.	40 in	15.00

Box Trees

Bush Shaped
These do not come in tubs.

Height	Each	Doz.	100
10 to 12 in	$0.80	$3.00	$20.00
12 to 15 in	.35	3.50	25.00
15 to 18 in., light	.40	4.00	30.00
15 to 18 in., heavy	.45	4.50	35.00
20 to 24 in	.75	8.00	

CROTON

Choice Varieties

	Each	Doz.
3-inch	$0.20	$2.00
4-inch	.35	3.50
5-inch	.60	6.00
6-inch	1.00	10.00
7-inch	1.50	15.00

All plants are quoted f. o. b. Western Springs.

Standard Bay

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Ten Tons of Seed for Restocknig National Forests

From the U. S. Department of Agriculture, Forest Service.

The U. S. Department of Agriculture is using this year on the National forests over ten tons of tree seed. Most of this seed has already been planted or sown. The rest will be utilized later in the season, as favorable conditions are presented.

It takes a great many tree seeds to make ten tons. Jack Pine, the most important tree for planting in the Nebraska sand hills by the Forest Service, will average something like 125,000 to the pound. Of Western Yellow Pine, the tree most extensively planted throughout the National forests as a whole, 10,000 seed will make a pound. Altogether the ten tons of seed to be used this year represent perhaps 300 million single seeds.

If every seed could be depended on to produce a young tree suitable for planting, the result would be a supply of nursery stock sufficient to plant three hundred thousand acres of land, but no such results can be looked for because many seeds do not germinate. Most of the seed will be sown, either broadcast or in seed spots, or planted with a corn-planter, directly in the place where the trees are to stand.

Even when nursery stock is raised a liberal allowance must be made for loss. In the first place, a considerable percentage of the seeds will be found to be infertile. Of those which germinate, many will die before they leave the nursery beds, and many more will be lost in transplanting. If from a pound of Western Yellow Pine seed that contains 10,000 individual seeds, 4,000 three-year-old transplants are available for field planting, the Department of Agriculture has obtained satisfactory results.

The cost of gathering the seed has varied for the different regions from thirty-five cents to one dollar a pound. As a rule, the seed is collected in the Fall months, when most conifers ripen their seed. Parties of three or four men ordinarily work together. Where lumbering is in progress the collectors follow the sawyers, and take the cones directly from the felled trees. In standing timber, the task is much more arduous. The men must often climb tall pines and pull the cones from the branches as best they can. Where these are on the extremities and beyond the reach of the hand, the pruning shears are used. The cones are dropped to the ground and then gathered into buckets and transferred to sacks, in which they are carried to a central point for further treatment.

The extraction of the seeds is tedious rather than difficult. In some cases the cones are spread out upon sheets in the sun, when, after a time, they open and the seed drop out; in other cases it is necessary to resort to artificial heat. This is applied by placing the cones upon trays with screen bottoms and raising the temperature of the room to the proper degree. The cones open, the winged seeds fall out, and the seed is separated finally from wings and dirt by a fanning mill. A good many seeds have been removed from the cone by hand, but this is a sore trial to the fingers of the pickers and an exceedingly slow process.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
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Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

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DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

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CAULIFLOWER SEED
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MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
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NEW CROP MUSHROOM SPAWN
JUST ARRIVED FROM ENGLAND
$8.00 per 100 lbs.

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Watch for our Trade Mark stamped on every brick of Lambert's

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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Did You See Our Exhibit at The S. A. F. Convention?

Yours truly

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H. E. FISKE SEED CO., Boston, Mass.

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WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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Prices Advertised in these Columns are for THE TRADE ONLY

VOLUME 1 NUMBER 8

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 20th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to sow Sweet Peas for Christmas flowering is in August

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An **exceptionally** early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of **exceptionally** free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.



Sweet Peas, Boddington's Christmas Snowbird

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Christmas Captain. Blue and purple. Oz. 25 cts, ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Greenbrook White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. William Sim. Salmon-pink Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

OUR 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall sowing. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

ALSO REMEMBER

BODDINGTON'S

BULBS BLOOM

OUR 1910 BULB CATALOGUE, containing a full list of **QUALITY BULBS,** with prices right, already mailed. If not received a postcard will fetch one—***QUICK.***

WE HAVE EVERYTHING FOR FLORISTS

NEW CROP PANSY SEEDS



The Two Best Mixtures on Earth
VAUGHAN'S GIANT and INTERNATIONAL

Seasonable Stock Now Ready for Delivery

BULBS

FREESIAS
CALIFORNIA,
FRENCH and BERMUDA GROWN.
NARCISSUS, PAPER WHITE.
FRENCH ROMAN HYACINTHS.
LILIUM HARRISII.
LILIUM FORMOSUM.
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SUPPLIES

JAPANESE AND DOMESTIC CANE STAKES.
VAUGHAN'S ROSE GROWER.
BONE MEAL.
SHEEP MANURE.
SPHAGNUM MOSS.
SUPPLIES OF ALL KINDS.

PLANTS

PALMS and FERNS in all sizes and varieties.

Your office is not complete without VAUGHAN'S BOOK FOR FLORISTS
It's Free, Write For It. Fall Edition Now Ready.

VAUGHAN'S SEED STORE

CHICAGO
84 and 86 Randolph Street

Greenhouses and Nurseries
WESTERN SPRINGS, ILLINOIS
Please mention the Exchange when writing.

NEW YORK
25 Barclay Street

New Colored Freesias

Among the most interesting novelties of this year are the colored Freesia hybrids, crosses of Freesia refracta alba and F. Leichtlinii, with some less well known small-flowered varieties of southern Africa, especially F. aurea and F. Armstrongii. Hybrids between these varieties were grown as long as eight years ago by Brüggemann of Villefranche, France, Van Tubergen of Haarlem, Holland, and Dr. Ragioneri of Florence, Italy; the seedlings of the last-named were taken over by Brüggemann three years ago.

The colored Freesias which Brüggemann is disseminating this year and which he has named F. hybrida Ragioneri, in honor of the Italian grower, are differentiated from the old F. Leichtlinii and refracta alba not only by their diversity of color, but especially by their much greater delicacy of form, and in part also by their larger flowers, which vary in size from 8-10 of an inch to 1.7 inch. The lighter varieties are in general larger than the darker ones. The flowers open wide, and the petals often spread out in star-shape. The colors range from the lightest to the darkest shades, and are generally delicate. Particularly frequent are mauve, purplish red, crimson pink, violet blue, light blue, navy blue, copper red, golden brown and leather brown. The flowers are in either of one color only or show a combination of several colors, and are then either edged with a different color or speckled, marbled, or marked otherwise. In many of the varieties the three upper petals are lighter in tone than the three lower ones. Some of the flowers might be likened to Orchids, others to Gladiolus.

The habit of the new Freesias is higher on the average than that of F. Leichtlinii and refracta. The flowers rise free above the foliage. The stems, which grow to a length of 23 in., are much branched, making these Freesias exceedingly productive for cut flower purposes. But Brüggemann is also breeding races of lower habit, resembling that of F. Leichtlinii, which form, with their closely massed flowers, a multicolored carpet. They may therefore be used for the most widely divergent purposes, according to the habit of the different races.

These Freesias are as easy to cultivate as the older varieties. In the Riviera they are grown in outdoor beds, being planted in September and covered during the Winter with light straw matting, if necessary. In colder climates they must be grown in the cold house or in a coldframe, free from frost, massed closely under glass. They are propagated chiefly by bulbs, though they may also be grown very easily from seed. The seedlings begin to blossom early; when sown in the Riviera in September, in open beds, they are in flower the next May. In colder climates it is better to sow them in the Spring, when they will probably begin to flower in the Fall. They are, therefore, not a great tax on the patience of the grower, and reward him richly by the variety in color and form of their flowers, and also by their delicate perfume. Altogether, these Freesias are making a great bid for popularity, and attracted wide attention at the exposition of Haarlem, Nizza and Antibes this Spring. —*Der Handelsgærtner.*



Cut Flowers, loosely massed, of Freesia hybrida Ragionieri

From Möller's Deutsche Gärtner-Zeitung.

Etherization of Plants for Forcing

A practical method for the etherization of plants to be forced, especially Lilac, is described in Gartenflora. The writer has in view the needs of the small establishment, and his method is correspondingly simple, to enable, as he says, "the small florist, who has not a special forcing house at his command, to have at least fine Lilac in flower at Christmas."

First are given some directions as to the preliminary treatment of the plants intended for forcing. The wood should be well ripened and the roots well developed. Lilac which has been potted late in the Fall or early in the Winter is best suited for early forcing. The pots are sunk into beds outside and covered with leaves or manure to keep them from freezing too much; but the wood is left uncovered. The roots now have time for slow action, so that they are able to provide sufficient nourishment when the plant begins to bud in the Spring. At the end of February the plants are cut back, short down to three or four eyes if ornamental pots are desired for decorative purposes, and cut long if the Lilac is intended for cut flower purposes. In this latter case the old wood is then cut off together with the flower. The plants will make only short shoots during the Summer, but if they get some manure during their period of growth they will make panicles of medium size.

If these plants are given another year, cut down once more in February and cultivated during the next Summer without transplanting, they will develop 30 to 60 buds or more, making a magnificent pot when in flower. After being cut down in February, the plants should be placed at once into a frame or an airy house, and if they can begin to bud here four weeks earlier, they will be ready that much sooner. The place must be well aired and the plants must be set outside when the frost is over. Pots which have been so treated, and have been allowed to rest before the usual time, may be brought into magnificent flower by etherization as early as the end of September. If forced with sufficient heat they may be in flower by Christmas without etherization. After the etherization, however, about 64° of heat is sufficient. This moderate degree of heat constitutes one of the chief advantages of etherization.

Another preliminary method of treatment which takes less time, is as follows: In the beginning of June, when the last pair of leaves has formed on the young shoots, the Lilac is placed in pots of the requisite size, with the balls well shaken off; then covered up with good compost. The plants are then set in a lightly shaded place or, better still, directly in the sun. During the



Henderson's Superior Bulbs For Autumn Planting

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Please mention the Exchange when writing.

first two weeks they must be watered continuously so that the young shoots do not wilt. The pots are then filled in two-thirds with compost and their upper surface covered with rotted manure. Cesspool water may be given a few times during July and August. The plants so treated will be firmly rooted by the Fall and can be forced very well after Christmas. This Lilac, however, can be used for early forcing after etherization only after a hot Summer.

Now as to the method of etherization itself. Success depends entirely on the proper treatment. The size of the box in which the operation takes place, is determined by the number of plants to be treated. In the writer's establishment, a box is used made of grooved flooring board and lined with zinc. It is about 6½ ft. long, 3¼ ft. wide and 20 in. deep and will hold 20 to 25 pots. The box and cover are fastened together with clamps and winged screws. A narrow strip of rubber runs along the edge between the cover and the box, which prevents the fumes from escaping after the cover is screwed down; felt and wadding are not impervious.

The spreading plants are tied together loosely and then piled into the box. It is not necessary to set them into sand. A hole is bored in the center of the cover, a tight fitting cork attached, a zinc receptacle is suspended beneath this hole into which the ether is poured after the box is closed. Then the cork is inserted and pasted over with gypsum. The ether evaporates at once and, being heavier than air, it sinks to the bottom.

The box remains closed for 48 hours, then the plants are taken out and set in a temperature of 62° to 68° and kept evenly moist and sprinkled frequently with tepid water. With this treatment Lilac in fine flower may be obtained within four weeks—earlier under a higher temperature.

As regards the quantity of ether and the temperature of the place where the ether box stands, the following may be noted. Ether being very inflammable, this work can be done only by day, and away from light and open fire. The place must have a temperature of 55° to 60°; the writer has his box in the temperate house. The plants do not suffer in the least from it, but the house must be well aired when the box is opened.

Lilac, except Marie Legraye, takes 40 grams (about 1 1-3 oz. Troy) per hectoliter of air (22.01 gal.), Marie Legraye, Prunus, Pyrus, Viburnum, etc., 35 grams (about 1¼ oz.); Roses 30 grams (about 1 oz.). Etherization proved ineffective at a temperature less than 53°. The plants must stand 24 hours before etherization in the place where the operation is to be done. All the above instructions also apply to other forcing shrubs.

Notes on Vegetables Under Glass

BY WILLIAM TURNER

In reply to the inquiries of a subscriber, Mr. Turner, the well known authority on Fruit and Vegetable forcing under glass, has been good enough to furnish the information which follows.

Beans

To grow Beans successfully light and sunshine are necessary. They may be planted on raised benches or solid beds, whichever is available, in rows 18″ apart and about 1″ apart in the rows, although it is advisable to sow more seed than is necessary and thin out after the crop is up, thus securing a uniform stand. A temperature of 60° at night, with a rise of 10° during the day, or 15° with sun, will be a healthy temperature. If grown on raised benches the soil should be 5″ deep, selecting a fairly sandy loam for the purpose and adding a liberal amount of well decayed farmyard manure, say four parts of soil to one part of manure.

Beans are not subjected to many insect pests or diseases. The greatest enemy in the insect line is red spider, which can easily be overcome by keeping the plants in a healthy, vigorous condition, and spraying on all bright days. Mildew will also appear if the one in charge is at all careless with the airing. However, if the crop is handled carefully, it is not necessary to have either of those evils.



Lettuce May King

The following varieties are admirably adapted for forcing purposes: Black Valentine, an excellent yielder, Giant Forcing, and Wonder of France.

Lettuce

There is quite a variety of Lettuce suitable for forcing purposes. The main object is to select varieties that will mature quickly and at the same time have size in view as well. May King is one of the finest of all varieties of head Lettuce, whether grown in the open or under glass; probably it is better known as an outdoor Lettuce than for forcing, although it is equally as good in the forcing house, which is a high recommendation for it. It produces heads of good size, solid and crisp, and above all it is a quick one to mature. Boston Market, Ideal, and Glasshouse are all good for Winter work.

Radishes

Radishes, like all other vegetables, must be grown quickly to be appreciated. While heat and moisture will accomplish considerable along those lines, at the same time one must not lose sight of the fact that a rich soil is a necessity for a successful crop. A sandy soil, with a liberal coat of thoroughly decayed manure forked into the bed, is desirable, and in such Radishes will feel at home. Carmine Forcing, Scarlet Globe, Ne Plus Ultra, French Breakfast, and Giant Crimson, are all excellent, grown in a Lettuce house temperature.

Index to Florists' Exchange, Vol. XXIX

This index, covering the period from the first issue in January to the last issue in June, 1910, is now ready for distribution. This index contains a complete reference to all matters of interest which have been mentioned during the past six months and we should like every subscriber who keeps full files of the EXCHANGE to have this Index. Subscribers desiring a copy of the index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

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We will have some nice clumps for forcing this Fall.

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W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

Climbing Euonymus

Inquiries come quite often to The Florists' Exchange as to whether there is not some other evergreen vine that could be used to climb up walls of houses besides the English Ivy, Hedera helix. There are walls, and many of them, where nothing better than this Ivy could be desired, but there is a limit to its hardiness, and it is this which causes many persons to look for some other subject of a hardier nature.

The only vine that could take its place is the Euonymus from Japan, E. radicans. This is hardier, being capable of enduring the Winter much north of Pennsylvania, as so many Japanese plants do. When from the northern part of Japan, plants are hardy in all but the extreme Northwestern States.

This Japanese Euonymus is evergreen, and of fairly fast growth, but its shoots and foliage are both of a less robust nature than the Ivy. The leaves are close to the shoots, so that on a wall it has covered the effect is that of a smooth appearance, not impressing one as being covered with an evergreen vine, such as the presence of the English Ivy gives. The Ivy leaves are thrown well out from the wall and, being of a very dark green, impress by their appearance those standing quite a distance from it.

Wherever the object is to have a wall of a smooth appearance after being covered with an evergreen vine, use the Euonymus, even though in a locality where the Ivy will endure the Winter. It is sometimes well used on low, smooth walls; it can also be planted to cover walls so smooth that the Ivy will not cling to them, for unless there are interstices for the rootlets of the Ivy to enter it is useless to plant it, as it will not hold fast to quite smooth surfaces.

There is a pretty variegated-leaved variety of the Euonymus named which suits a wall of a color to harmonize well with the white wood green foliage of the vine.

English Ivy is quite hardy in any fair position about Philadelphia, but as one gets north of that city it shows the effect of Winter's cold when planted in exposed places.

The Japanese Chestnut

In the years immediately succeeding the introduction of the Japanese Chestnut the tree was more in evidence than it appears to be today, just why, it does not appear. A few years ago, some correspondents referred to the decaying of some of the branches on their trees, thinking it might be what has been called in horticultural circles the "Japanese die back," because of its being similar to what happens at times to other plants of Japan. On the other hand, there is evidence of this Chestnut thriving well in some places, according well with the writer's observations of it.

A good deal could be said in favor of this tree. Its comparative dwarfness is much to its credit, fitting it for planting in orchards where the ordinary Chestnuts would not do at all. This one, the Japanese, is but a small tree as it grows with us, and being such it commences to bear nuts earlier than the American or the Spanish.

Besides this one of a small tree size there is another one of no more growth than our wild Chinquapin, which bears its large nuts when the bushes are but two to three feet high, but this dwarf one seems not at all common.

Regarding the quality of the nuts of the Japanese, it is about on a par with the Spanish, not as good by a great way as is that of our native species. Its dwarfness and its early fruiting are wherein its excellence lies.

What is required in the Chestnut line is the search for a superior variety of our native species, Castanea Americana, superior in size of nut to the common one. Its quality now excels all other kinds; the only fault to find with it is its comparatively small sized nuts.

Disappearance of the White Birch Disease

It is a pleasure to record that the White Birch disease, which destroyed so many of the Betula alba a few years ago, appears to have quite disappeared from our midst. There seemed a difference of opinion existing at the time it first came into notice, as to the cause of the trouble, whether insect or fungus, experts even differing, but whatever it was it has had its day and left us, never to return we hope. For a few years it took off numbers of this Birch, and, strange to say, in these parts it did not attack the cut leaved weeping variety, but it may have done so elsewhere. In the forests of New Jersey, where the native White Birch, B. populifolia, is found, that variety also escaped, and so did the Paper Birch, B. papyracea. These plagues come and go, just as diseases of the human race do; and one must not lose heart because some disease, whether fungous or other kind, or severe weather conditions, carry off choice stock occasionally. It may be and likely will be that the Chestnut disease now ravaging the country will be among our past troubles in a few years.

The writer has referred before to the great beauty of the Paper Birch. It is fully the equal in white bark to the European, alba, and is a more robust grower. The contrast of the mahogany color of the bark of its younger limbs with those of the white, older ones, adds to its charm. Its leaves are so large and numerous that it makes a good shade tree, which can hardly be said of any other White Birch.

Are Pomegranates Hardy?

Prof. Massey's inquiry as to the hardiness of the double Pomegranate finds me unable to say whether it is hardy or not, never having tried it; nor have I seen any set out for experiment. I have seen them outdoors in Washington, D. C., in Summer, having the appearance of permanent planting, but I could not vouch for them. It is very likely the Pomegranate would live out here, just as the Lagerstrœmia will, starting with an old plant with hard wood, or protecting a small one until it gets large. There are so many things prove this to me; many cases I have already mentioned. Photinia serrulata is considered tender here—no nurseries keep it, that I can find—yet I have one, six ft. high, which has weathered some half dozen or more Winters unharmed. Skimmia Japonica is quite hardy, yet where can a plant be seen growing outdoors?

Mr. John T. Morris, of Chestnut Hill, Philadelphia, is experimenting with lots of these things, and in time will have a famous collection of shrubs and trees rarely seen outdoors; in fact, that he has many now that could not be found elsewhere in the State, is my belief, and every season his gardener is commissioned to look out for nice plants.

Pyrus Coronaria

It is seldom that such a handsome specimen of the sweet scented Crab, Pyrus coronaria, is seen as the one we have the pleasure of presenting herewith. It shows what grand specimens can be made of wild trees and shrubs when they are provided with their requirements. The wild, sweet scented Crab is a native of our woods in many States north and south, being found usually on the edges of woods, and in such locations, admired as it then is, no one, hardly, could say he had ever seen one the equal in beauty of the one we photographed. In this particular case the tree is most abundantly loaded with flowers; and the flowers always being of large size, it is inspiring to come upon such a beauty as this tree is. The flowers of this sweet-scented Crab are generally described as of a pink color. It is a faint pink, especially when the tree grows near others that shade it; then, as they fully expand, they follow the example of many other pink flowers in becoming quite nearly or white. The fragrance of the flowers of this wild Crab is of a delicate, though penetrating nature. Following the flowers is the fruit, the individual ones being of the size of small Apples, and these have a pleasant odor when placed in a drawer, somewhat the same as that of the fruit of Pyrus Japonica, when used in the same way.

Our specimen is a cultivated one, growing in grass, on the borders of an estate, in company with pink Dogwood, and many other shrubs and trees, mostly those that flower early in Spring.



Pyrus Coronaria—Sweet Scented Crab

What is a Seedling?

In the National Nurseryman, Geo. H. Johnston, a nurseryman, mentions that he had an importation consisting chiefly of Norway Spruce, Austrian, Scotch and White Pines and Arborvitæs passed duty free, receiving word, a few weeks later, from the New York office, that they were not evergreen seedlings but evergreen shrubs, and he had to pay a duty of 25% on them.

In reply to this, Mr. Irving Rouse says that evergreen seedlings were transferred from the dutiable to the free list at the time the Tariff Act was under conference, the Act saying "Evergreen seedlings free," in spite of which the New York appraisers have collected duties at the rate of 25% ad valorem on such seedlings. Nurserymen, Mr. Rouse says, define an evergreen seedling to be seedlings three years old or less.

The "three year old or less" term seems a fair one as regards what may be considered a seedling evergreen; but it looks as though two classes could be made of evergreens, one to be called "Coniferous evergreens" the other "Evergreens not coniferous"; that is, should there be any reason to make such a division.

In a trade sense, a seedling is always a seedling until it leaves its seed bed, no matter what its size is; and in catalogs the letter "s" at the end of a name stands for seedling, "tr." for transplanted, giving needed information to those scanning the pages when looking for stock.

To an expert nurseryman, the appearance of a seedling would be sufficient to tell its age; whether the Government appraisers could do as well is doubtful.

Red Spider on Hemlocks

When red spiders are infesting evergreens, their presence is so easily recognized and their riddance is so easy that there is no excuse for permitting them to continue to suck the life out of the trees. The light brown hue of the foliage is sure indication of the pest's presence, no matter on what evergreen it may be, the loss of the green color coming from the half dead condition of the foliage. The old remedy, and a good one still, is to force a stream of water to the underside of the leaves, as it is the side the insects prefer, though some may be on all parts of the tree. The forcible striking of the foliage is to dislodge the spiders, washing them to the ground, and causing the death of most of them. A few may seek their old positions, which a second deluge of water must dislodge later, as the work must not be considered finished with one operation.

When the position is such that it is not possible to apply a force of water to the tree, a spraying of some oily preparation, such as whale oil soap, will kill the insects it covers, and this can be applied in the form of a light spray, as all that is necessary is that the liquid comes in contact with the body of the insect. When it is a case of red spider the operators should well understand that the insects congregate on the under side of the leaves, so that the mixture to become effective, should reach the under as well as the upper surfaces of the foliage. The Hemlock, the White and the Norway Spruce are particular favorites of the red spider; and to rid them of it a spraying should be given preceding the bursting of the buds in Spring, and again in August or September. It sometimes occurs that old Spruce trees on an estate, which are too large to spray properly and which are great breeding places for the red spider, would be much better chopped down than permitted to be the source of so much trouble by supplying spiders to all surrounding trees. The Hemlock is generally beautiful, no matter what its age and size, but as much cannot be said of the Norway and the White Spruce. And the newer Spruces, too, the Engelmanni and the pungens, are to be found harboring the pests.

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2,000 ROSES "LADY GODIVA," a new climber, very fine, creamy white and red.

Also: BOXWOOD, RHODODENDRONS, AZALEAS, PEONIES, CONIFERS, ROSES, H. P. and others, at very low prices. Standard ROSES, etc., etc. Ask for special quotations. We deal with the Wholesale Trade only. Come and see us when in Europe.

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Several thousand Shade Trees and Shrubs.
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Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

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The Florists' Exchange, 2 to 8 Duane St., N. Y.

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Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $36.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $26.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 2 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man

HILLSIDE NURSERIES

ATLANTIC HIGHLANDS, N. J.

Long Distance Telephone
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Orders booked for later delivery of the following varieties: Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.

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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

Please mention the Exchange when writing.



Nassau County (N. Y.) Hort. Soc.

This society held its regular meeting on Wednesday, August 10. It was Aster night, and a grand display was on view. The judges were Messrs. Meyer, Eccles and Marshall, and their decisions follow: Society's prizes—Best 12 white, J. McDonald; best 12 pink and best 12 any color, I. Trepess, also winner of Mr. Matz's special prize for best 24 white. Mr. Trepess had splendid blooms on exhibit. Hon. mention: A. Golon, for vase of Sutton's Branching Aster; I. Dumbrosky, for collection of Aster, vase of Aster Purity, Onions and Egg Plants; F. Petroccia, for Sweet Peas and Cucumber. Several prizes were donated to the society for its Fall show by prominent Glen Cove business men. At the next meeting prizes will be offered for best three Melons, best six Peaches and best six Apples.

O. E. A., Cor. Sec.

St. Louis Florists' Club

The meeting of the Florists' Club took place Thursday afternoon, August 11. President Windler called the meeting to order, and the secretary reported 25 members present. The Chair quickly disposed of the regular routine business and called for reports of committees.

Mr. Bentzen reported first on the late picnic, showing that all bills had been paid, and its affairs were wound up for this year. Mr. C. E. De Wever, who is chairman of the bulletin committee, told of the first issue of the bulletin and the glorious reports he had on it from the local trade and that success is bound to follow.

Edward Kelley, president of the Kelley Floral Co., who had made application at the last meeting, was elected a member of the club. The election of officers followed. President Windler declined the nomination for re-election, and in turn nominated John Connon, E. W. Guy being the other nominee, who also declined in favor of Mr. Connon, and the young man was elected by unanimous vote to serve as president for the ensuing year. For the office of vice-president the nominees were F. A. Weber and G. H. Angermuller. Mr. Weber was elected on the first ballot.

For the offices of secretary and treasurer, the present holders, Messrs. Beneke and Smith, had no rivals and both were re-elected.

E. W. Guy, W. H. Kruse and A. G. Ahner were the nominees for a three-year term of trustee. E. W. Guy was declared elected on the first ballot. This year's trustees will be composed of E. W. Guy (chairman), A. G. Bentzen and H. C. Osterag.

The rest of the afternoon was taken up in talking over convention matters and discussing questions from the box.

Before the close of the meeting, Frank Weber extended an invitation to the members to hold their September meeting on the grounds of the H. J. Weber & Sons Nursery Co., which was accepted.

Secretary Beneke stated that the invitation to the S. A. F. to hold its 1911 meeting here had been forwarded to Secretary Dorner. The meeting then adjourned to meet again September 8.

ST. PATRICK.

NEWARK, N. J.—The many friends of Henry B. McKnight will regret to hear that he is lying in St. Barnabas Hospital recovering from an operation for appendicitis.

EVERGREENS

For August and September Planting

	Doz.	100
American Arborvitae, 4-5 ft.	$7.00	$60.00
3-4 ft.	6.00	50.00
	Each.	Doz.
Golden, 18-24 in.	$0.50	$5.00
Pyramidal, 18-24 in.	.50	5.00
Cypress Lawsonia, 2-3 ft.	.75	7.00
18-24 in.	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis, 18-24 in.	.75	8.00
Picea excelsa, 4-6 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	25.00
18-24 in.	2.50	15.00
	Each.	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
12-18 in.	1.00	10.00

Roots dug with ball and burlapped, 10c. extra.

CALIFORNIA PRIVET

OCTOBER DELIVERY

2 Years, cut back and nicely branched.

	100	1000
3-4 ft	$5.00	$40.00
2-3 ft.	4.00	35.00

BERBERIS THUNBERGII

	100	1000
18-24 in., very bushy	12.00	100.00
12-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO.,

The Burr Nurseries MANCHESTER, CONN.

Please mention the Exchange when writing.

Marechal Niel Roses

Extra choice, 2½-inch, $3 50 per 100; $30 00 per 1000.

What do you need in rose plants, now or Spring?

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

Please mention the Exchange when writing.

Begonia Gloire de Lorraine

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Order Now

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

3-in., $7.00 per 100; 4-in., $15.00 per 100

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.

AGERATUM Garney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100

GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Dreer's Fine Ferns, Araucarias and Other Specialties

ARAUCARIAS

ARAUCARIA EXCELSA (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for Winter sales.

4-in. pots, 5 to 6 inches high, 2 tiers.....$0.30 each
5-in. pots, 10 to 12 inches high, 3 tiers..... .60 each
6-in. pots, 13 to 15 inches high, 3 to 4 tiers..... .75 each
6-in. pots, 14 to 16 inches high, 4 tiers..... 1.00 each
7-in. pots, 16 to 18 inches high, 4 tiers..... 1.25 each

ARAUCARIA EXCELSA GLAUCA

5-in. pots, 8 inches high, 2 tiers.....$0.75 each
6-in. pots, 10 to 12 inches high, 3 tiers..... 1.00 each
7-in. pots, 13 to 15 inches high, 4 tiers..... 1.50 each

ARAUCARIA ROBUSTA COMPACTA

6-in. pots, 8 inches high 2 tiers.....$1.00 each
6-in. pots, 10 to 12 inches high, 3 tiers..... 1.25 each
7-in. pots, 12 to 14 inches high, 3 tiers..... 1.50 each

FINE FERNS

MIXED FERNS FOR DISHES

We have at all times a good supply of these in good assortment.

2¼-in. pots. $3.50 per 100, $30.00 per 1000.

NEPHROLEPIS SCHOLZELI

(Crested Scott Fern)

A sport from Scottii possessing all the merits of that most popular variety, but with the pinnæ subdivided, giving it a neat crested appearance. 2¼-in. pots, $1.25 per doz., $8.00 per 100, $75.00 per 1000.

NEPHROLEPIS GIATRASII

This variety, introduced last Fall in a very limited way, has proven to be a gem —especially where a perfect specimen is required in a small size. It will develop beautifully in a three, four or five-inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2¼-in. pots. $2.00 per doz., $12.00 per 100, $100.00 per 1000.



Nephrolepis Scholzeli

ASPLENIUM NIDUS AVIS

(The Bird-Nest Fern)

A nice thrifty lot.

3-in. pots .....30c. each, $3.00 per doz.
4-in. pots .....40c. each, 4.00 per doz.
6-in. pots .....$1.00 each

FERNS IN FLATS

These flats contain about 200 plants each, only one variety being in a flat. We cannot supply less than a full flat of any one sort. Price, $2.00 per flat. Ready now.

Adiantum cuneatum
Aspidium Tsussimense
Aspidium Tsussimense cristata
Cyrtomium falcatum
Cyrtomium Fortunei
Lastrea chrysoloba
Lastrea aristata variegata
Pteris adiantoides
Pteris cretica magnifica
Pteris cretica Wimsetti multiceps
Pteris Wilsoni
Pteris Ouvrardi
Lomaria ciliata

EURYA

Latifolia Variegata. An evergreen shrub with rich dark green foliage, which is beautifully variegated with creamy white; an excellent plant for decoration. 40c. each, $4.50 per doz.

FICUS PANDURATA

(The Majestic Rubber Plant)

A truly majestic plant. Its gigantic leaves, which frequently measure 10 inches in width by 15 inches in length, are irregular in outline, of a rich, deep green with creamy-white veins and of remarkable substance, enabling the plant to flourish under the most unfavorable conditions. One of the finest foliage plants of recent years.

2 feet high.....$2.00 each
3 feet high..... 3.00 each
4 feet high..... 4.00 each

OPHIOPOGON JABURAN VARIEGATUS

A most useful variegated foliage plant. 35c. each, $4.00 per doz.

NOW

IS THE TIME TO PLACE YOUR ORDERS FOR

Hardy Phlox and Paeonias

FOR FALL DELIVERY

WRITE FOR OUR SPECIAL OFFERS FOR ADVANCE ORDERS

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots, good plants.....60c. per doz., $4.00 per 100
3-in. pots, good plants.....85c. per doz., 6.00 per 100
4-in. pots, good plants.....$1.50 per doz., 10.00 per 100

ASPARAGUS SPRENGERI

3-in. pots, healthy, well-colored stock.....75c. per doz., $5.00 per 100
4-in. pots, healthy, well-colored stock.....$1.25 per doz., 8.00 per 100

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 CHESTNUT STREET PHILADELPHIA, PA.

Heacock Palms Will Help You Establish a Trade That Increases With Each Season



You can, by handling Heacock's Palms, make your Palm sales one of the substantial, dependable assets of your business—your trade in them *this* year will help you *next* year and *every* year.

We put the best of our many years' experience into our Palm business. We grow the plants right here from the seed; that is your assurance that they are sturdy, well-developed, acclimated. Further, this guarantees to you that our Palms will do well for your customers, when given ordinary care, bringing you not only more Palm business, but more trade in the other things you sell, as well.

"Heacock Quality" has helped scores of florists all over the country to make their Palm Departments pay. It will help *you*, and we suggest *now* is an excellent time to place your order. The following list represents some of the finest stock we have ever grown, and as you will see, our prices are no higher than you would pay elsewhere.

Give us a trial order, and we will prove to you that the *quality* of ours is *better*—and the stock will go forward to you without an hour's unnecessary delay.



ARECA LUTESCENS

		In. high	Each
6-in. pot	3 plants in pot	26 to 28	$1 00
7-in. "	3 " " "	30 to 32	2 00
8-in. "	3 " " "	36	2 50
8-in. "	3 " " "	42	3 00

COCOS WEDDELLIANA

	In. high	Per 100
2½-in. pot	8 to 10	$10 00
2½-in. "	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Per doz.	Per 100
5-in. pot	6	7..18	..	$6 00	$50 00
6-in. pot	6	7..22 to 24	$1 00	12 00	
6-in. pot	6	7..24 to 26	1 25	15 00	
6-in. pot	6	7..26 to 28	1 50	18 00	
7-in. tub or pot	6	7..34 to 36	2 50	30 00	
7-in. tub or pot	6	7..36 to 38	3 00		
7-in. tub or pot	6	7..40 to 45	4 00		
9-in. tub	6	7..42 to 48	very heavy, each	$5 00	
9-in. "	6	7..48 to 54	" "	6 00	
9-in. "	6	7..5 ft.	" "	8 00	

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz.
6-in. pot	5 to 6	28 to 30	$1 00	$12 00
6-in. "	6	34 to 36	1 50	18 00

MADE-UP KENTIA FORSTERIANA

		In. high	Each
7-in. tub or pot	4 plants in pot	36	$2 50
7-in. " "	4 " "	36 to 40	3 00
9-in. "	4 " in tub	42 to 48	5 00
9-in. "	4 " "	4 ft. high, heavy	6 00
12-in. "	4 " "	6 ft. " "	15 00

CIBOTIUM SCHIEDEI
Ready in September. Stock limited

		Each
9-in. tubs	4 to 5 ft. spread	$6 00
9-in. "	6 ft. "	7 50

PHOENIX ROEBELENII

5-in. pots	nicely characterized	$1 00
6-in. "	"	1 50
7-in. "	"	2 00

Our new Price-list is ready. Have you received YOURS yet? If not, let us know and we will send a copy by next mail

"WHEN IN PHILADELPHIA BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

Please mention the Exchange when writing.

Carnation Plants

Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$60.00
Rose Pink Enchantress	6 00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60 00
Bountiful	6 00	60.00
Boston Market	5.00	50.60
White Lawson	5 00	50.00
Lawson	5 00	50.00
Beacon	6.00	60.00
Victory	8.00	60 00
Harlowarden	5 00	60 00
Winsor	6.00	60 00
Yellow Beauty	6 00	60.00
M. A. Patten	6 00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.



DREER'S GIANT CYCLAMEN

NEW CROP SEED NOW READY

WE have for years carefully noted the various strains of Cyclamen from the world's foremost specialists and feel sure that the strain here offered is by far the best regardless of price.

Our grower has made the Cyclamen a life study, and the strain is now practically perfect; the habit of the plants, purity of colors, size and substance of the flowers leaving nothing to be desired.

Many of the leading growers are now using this strain exclusively. We offer as follows:

	100 Seeds	1000 Seeds
DREER'S GIANT PURE WHITE	$0.75	$6.00
DREER'S GIANT WHITE WITH CARMINE EYE	.75	6.00
DREER'S GIANT ROSE WITH DARK EYE	.75	6.00
DREER'S GIANT BLOOD RED	.75	6.00
DREER'S GIANT CHOICEST MIXED, all colors	.60	5.00
DREER'S GIANT WONDER OF WANDSBEK. A new variety of various brilliant rose shades suffused with salmon. A striking color	1.50	12.00

PLANTS FOR NEXT WINTER'S BLOOMING

We can supply nice 3-inch pot plants of our Giant Cyclamen in the first four colors noted above, $1.25 per doz.; $10.00 per 100.

HENRY A. DREER 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

CARNATIONS

5000, Large, Fine, Field-grown, **LORD** stock, $40.00 per 1000.

GEO. PETERS & SONS, Hempstead, L. I., N. Y.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

STEVIA

1200 plants, from 2½-inch pots,

$3.00 per 100.

Fine and healthy, cut back three times.

A. L. BROWN & SON
188 Davis Avenue, KEARNEY, N. J.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. Ward

Price $3.50 Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

The Week's Work

BY

FRITZ BAHR

Chrysanthemums

Cultural Notes for the End of August.

These are busy days for the 'Mum grower. He's no sooner through at one end of the bench than the other needs attention; if a bench is left unattended to only a few days we find all sorts of side growth and wonder where it all comes from. Well grown stock should be kept clean from side growth and suckers, and the more we remove the first, the more the plants will try to find an outlet for surplus energy below, by sending up shoots from the root neck, while with early planted, well advanced stock, allowing suckers to grow into 3-inch and 4-inch shoots may apparently do no harm, the good grower will never permit it, any more than he would allow the side growth near the top of the plants to get the best of him. Keep your plants clean, and this includes keeping them free from aphis. Keep them tied up properly at all times, and look well to the watering. A bench of Chrysanthemums well established requires water every day, especially when the stock is planted in five inches of soil and when the thermometer keeps near the 90 deg. mark. Spraying morning, noon and evening isn't any too often; one can hardly overdo the spraying. Nothing refreshes the foliage more, or will give you that glossy, healthy foliage better than spraying; that is, when you have the proper stock to begin with. Stock which for some reason is in poor shape may most likely need far more attention than spraying to get it into shape; but plants in a healthy condition are greatly benefited by spraying them often, as well as by keeping the walks moistened. Examine the surface of the benches; you may detect fine roots getting near to the top. This means a light mulch, for these are the roots sent out to look for more nourishment—give it to them; not 3-inch to 4-inch in thickness, the lighter the better, and repeat it, if you wish, in a couple of weeks.

Trumpet Major Narcissus

A Few Hints on Their Culture for Early Forcing.

Bulbs of the above are now arriving. The French grown, single Narcissus Trumpet Major is a fine thing when early yellow flowers are wanted around Christmas, and if you are at all successful in forcing them, so as to get a fair percentage of good flowers, it pays to force them. The most important of all things necessary in order to be successful in forcing them is to have well rooted stock to begin with, the time you expose the plants, or rather started bulbs, to heat. While this holds good

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
BEGONIA Vernon, 3-in pots, in bloom, $5.00 per 100.
SALVIA Bonfire, 3-in. pots, $3.00 per 100.
PASSIFLORA COERULEA, 4-in. pots, $1.00 per dozen
ACALYPHA, 3-in pots, $4.00 per 100
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
MOSCHOSMA riparium, 3-in. pots, $5.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
CINERARIA Hybrida Grandiflora, Michell's Giant Prize strain, 2 in.	$2.00
CINERARIA Stellata, 2 in.	2.00
PRIMULA Chinensis, Kewensis and Obconica, 3 varieties, 2 in.	2.00
ASPARAGUS Sprengeri, 2 in., strong	2.00
CYPERUS Alternifolius, Umbrella Plant, 3 in.	3.00

Cash with order, please.

GEO. J. HUGHES, Berlin, N. Y.

Please mention the Exchange when writing.

Decorative Plants

LAURUS CERASUS

Suitable for roof gardens and in front of hotels, etc. Price per pair, from $4.00 to $10.00. From $6.00 a pair up we furnish fine shaped pyramids, 6 to 8 ft. high.

Extra value for the money.

Aucuba Japonica, variegated, in pots. For hotels, etc.; fine, bushy plants, well furnished, from 35c. to $3.00 each; also plants for $4.00, $5.00, $6.00 per dozen. Large plants in wooden tubs.
Abies Kosteri, in pot, $1.50 and $2.00 each.
Boxwood, perfect, globular, fine, 35c. 50c., 75c. and $1.00 each.
Rubbers, single and combinations, 8 to 9-in., from $1.50 to $4.00 each; 6-in., $6.00 per doz.
Araucaria excelsa, 2 to 2½ feet high, $1.50 to $2.50 each.
Araucaria glauca and **robusta,** $1.25 to $2.00 each.
Cibotium Schiedei, large plants, $3.00 each; smaller, $1.50 each, $15.00 per doz.
Phoenix Roebelenii, young plants, 3 inch., $2.00 and $3.00 per doz.; larger plants, $12.00, $18.00 to $24.00 per doz.
Pandanus Veitchii, 5½-in., $1.00 each; 6-in., $1.25; 7-in., $1.50 and $2.00 to $3.00 each.
Kentia Combinations, 5-in. and 4½-in., 2 to 3 in a pot, doz., $12.00; from 15 to 24 inches high; larger, $1.50; $18.00 per doz.
Large Kentias, 11-in. tubs, 6 feet high, $11.00 each; larger plants up to $20.00.
Raphis flabelliformis, 7 and 8-in. pots, $3.00 to $6.00 each.
Dracaena fragrans, Dr. Lindeni, Dr. Massangeana, Dr. Gracilis, from $1.00 to $3.00 each.
Japanese Tiny Plants, in fancy crocks, $5.00, $6.00 and $9.00 per doz.
Golden Leaf Privet, fine plants, 4½-in. pots, doz., $2.00, 100, $15.00; very fine.
Scholzeli and Piersoni Ferns, well shaped, 8-in. to 9-in. azalea pots, $1.50, $2.00 and $2.50 each. Plants very fine.
Boston, Whitmani and **Scottii,** from 7-in. pans, doz., $4.00, $5.00 and $6.00.
Euonymus, variegated and **green,** 7 and 8-in. pots, nicely shaped, per pair, $1.50, $2.00.
Tradescantia hanging baskets, $1.00 each.
Maranta Zebrina, 4 and 4½-in., fine plants, doz., $3.00 and $4.00.
Gardenia Veitchii, fine, bushy plants, from 5½-in. pots, well branched, the kind for planting out, $15.00 per 100.
Pandanus Sanderi plants from 50c. to $2.00 each.
Chrysanths., for pot culture, from 6 and 7-in. pots, doz., $6.00; 100 at $45.00.
Variegated Aspidistra, $1.50 and $2.00 each. Plenty of leaves.
Dracaena indivisa, from 6-in. pots, 24-in. and over, doz. $3.00; 100, $25.00.
Boston Ferns, 6-in. pots, $6.00 a doz.; 6½-in. pots, $9.00 a doz.; 7-in. pots, $12.00 a doz. Very fine.
Small Kentia Belmoreana, 3½-in. pots, $20.00 per 100; 5 to 5½-in. pots, combinations, doz., $9.00, $12.00 and $15.00; fine.
Cocos Weddelliana, 3½-in. pots, $15.00 per 100; 2½-in pots, $10.00 per 100.
Pandanus Utilis, 10-inch pots, $3.00 each, four feet high, extra large, $4.00 and $5.00 each.
Crotons, 3x4-in. pots, $3.00 and $4.00 per dozen.

75c. for each case and packing. Cash with order.

ANTON SCHULTHEIS, College Point, L. I.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

with all forcing bulbs, it should never be overlooked with those intended for early use, for if not thoroughly established failure will be the result. Therefore, as soon as the bulbs reach you get them into the soil, the proper place for them; even if they do not begin root growth at once, every day counts with the stock intended for Christmas. Perhaps the next important thing is the care of the stock when planted. We are apt to give the flats the bulbs go in one good soaking of water, place them in a cold frame, cover the flats with 5 to 6 inches of moist soil, and pay no more attention to them. Yet so much depends on what condition the soil is kept; in many cases where unsatisfactory results have been obtained in forcing bulbs the trouble is due to an excess or lack of moisture in the soil the bulbs were in. While out of doors in flats either condition is bad, and should be guarded against. Examine the flats every few days and act accordingly. Stock to be forced for blooming towards Spring, when once well established and rooted can stand a dry spell or a little more water than necessary; but bulbs intended for Christmas need constant watching, if you want to get any money out of them.

The Paperwhite Narcissus

For Early Flowering Plant As Soon As Possible.

Just because the Paperwhite Narcissus is so easy to handle, and the profit in handling it is often very small, we are liable not to pay proper attention to the culture. We buy so many thousand bulbs because we have been doing so for years past. They are planted bulb on bulb in flats, and in nine cases out of ten the grower, at the end of the season, couldn't tell to save his life whether he came out ahead or not; and yet the Paperwhite is most useful for the retail grower, if we would only cut down on the number of bulbs we force, and would try to grow them better. To begin with, the idea of making use of any old soil for the bulbs is wrong. Use good, sweet soil, have proper drainage in the flats, and don't plant too closely, leave a little space between the bulbs, the more the better, for only by so doing can you expect plants which will be able to produce flowers on stiff stems. For the flowers wanted in November and December, bulbs should be planted at once. A deep cold frame is a good place for the bulbs after being planted. Cover the frame with boards or other material to prevent the sun from drying out the flats. By the middle of October the first batch can be brought to the Violet house, or any house where there is plenty of sunshine to be had, and the temperature can be kept down; for the cooler you grow the Paperwhites the better for them, the stiffer the stem, the stockier the growth, and the larger the flowers; all of these qualities are necessary in good stock. A Rose house is not the place for any Narcissi, unless you are obliged to force a certain batch for a special occasion; but, otherwise, the earlier you start the bulbs and the longer you allow them for developing their flowers the better.

Perennials

Transplanting the Seedlings.

We have been anxiously waiting with the transplanting of perennials for a rainy day, but no such thing as even a cloud is in sight. Any of the stock of hardy plants sown out during the Spring months will require transplanting. For such plants as Coreopsis, Delphiniums, Digitalis, Aquilegias, and others a space of four inches between the plants each way will be sufficient in which to remain until next Spring. If cold frames are used, select such as are not likely to be wanted for some other stock in the meantime; and be also sure that proper drainage is available. We lost several thousand Shasta Daisies last Winter on account of having them in too low a place, where the snow and ice water collected, and there was no way for its getting out. Get the soil in the frames, by watering and cultivating, into a proper shape to make the planting of the little seedlings easy; nothing can be of greater disadvantage than to have dry, lumpy soil to plant in, it is bad for the plants and you can't make the headway in such as is possible with mellow, fairly moist, deeply pulverized soil. Shade frames, such as every florist should have a good supply of on hand, are of great help in hot, dry weather such as we have been having. These frames are made out of three pieces of 1 inch by 2 inch strips, 6 feet 2 inches in length, over which are nailed laths, allowing a space of a little over one inch between them; this will give you a frame 4x6 feet. Just make use of the frames long enough to get the little plants established, and let them have the full sunlight afterwards. Another thing to consider when transplanting is the number of plants wanted. It is wrong to crowd into a certain space, for instance, 2000 Sweet Williams where 500 are wanted, and that is about all you really have room for. A far better way is to select 500 good, strong plants, give them the space they need in order to develop into good plants, and throw the rest away.

Peonies

Prepare Your Soil Well for Any to be Planted This Fall.

Getting ready ourselves for preparing a piece of ground for the planting of Peonies next month, prompts me to write about them. We planted out last Fall over 1000 Festiva maxima. Part of them happened to be planted at the foot of a slope where there was a lack of proper drainage. These plants suffered severely, and many never showed a sign of life this Spring, while others planted on high land made good growth and have fine foliage. This shows plainly that the Peonies need well drained soil in order to do well. While I don't pretend to advise the man who makes a specialty of Peonies as to what the plants require, or how they should be planted, I am certain that, for the average florist, the one who grows only a few thousand plants, it pays to go to just a little trouble in preparing his soil for planting. We have been planting Peonies in ordinary soil which had been ploughed over, and got good flowers, but find it a better way to work the soil over at least 1 foot deep—15 to 18 inches is better. Mark out your rows where the plants are to go, say about 3 to 4 feet apart, and dig with the help of a line, a trench about 1 foot in width of the above mentioned depth. Pulverize the soil thoroughly and add one-third of well decomposed manure. If you get this work done now, and have the soil all in shape for planting next month, you can expect results from your investment, and the Peonies can remain in their places for some years. If only wanted for cut flowers all they will need is plenty of cultivation, and manure worked in from the top. Stock planted in the manner described will be away ahead of stock planted by making a little hole in the ground, just large enough to accommodate the roots—and many are thus planted.

Solanum Capsicastrum

Time to Lift the Field-grown Stock.

The stock in the field of the Christmas Peppers seems to be in the finest of shape possible, and one of the few things which hasn't suffered on account of the dry weather. The plants are practically all of them covered with small green fruit. Of course, the weather had a great deal to do with this. The plants are not so large as in other years. In a rainy season we get the bushel basket plants, but no fruit, and the fruit is what you want at Christmas. A Pepper covered with ripe fruit always sells during December. For people who don't want to spend $1.50 to $2 for an Ardisia, a Christmas Pepper, for 75c. to $1 looks mighty good; and I am sure there is more money in it for the florist at that. The last week in August is a good time to lift the field plants. Use just a little care and pot them up, according to size, into 5 or 6-inch half-pots. Deep planting doesn't hurt them. If you are particular in removing a part of the soil which clings to the roots, so as not to hurt the plants, you can get quite a good sized plant into a 6-inch pot. A deep, cold frame is the proper place for freshly potted stock. Keep the plants well sprayed and shaded for about a week and they will soon become re-established in the pots. As long as the weather permits, leave them out of doors; that is, if the man in charge will not let them suffer for the want of water, for nothing will ruin the best of them quicker.

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GREENPORT, N. Y.—I. Merwin Rayner advises us that he has secured the services of H. S. Courtney as foreman, until recently with the Newton Rose Conservatories of Newtonville, Mass.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advertisements quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Furthermore, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

For Additional Contents, List of Advertisers and Index to Stock Advertised, Received too Late for Listing in Columns Above, See Page 337.











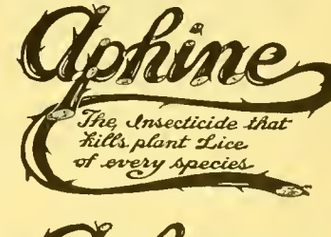

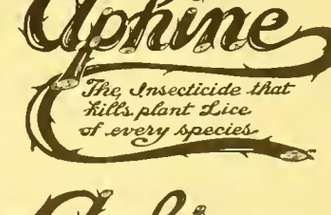

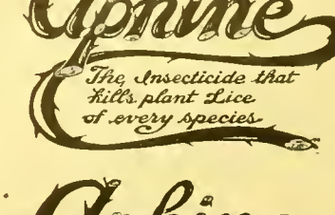

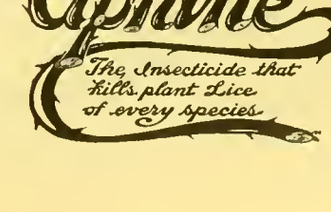

Reliable Florists' Flower Seeds, Sow Now!

		Oz.	Tr. Pkt.
ASPARAGUS, Sprengeri, a special imported fine Strain,	1000 Seeds $1.		
	10,000 Seeds $6		
BEGONIA, Gracilis Luminosa, with large Scarlet Flowers,	6 Tr. Pkts. $2.50		$0.50
BELLIS, Perennis Flore Pleno, Double Daisies, large-flowered Varieties, fine Mixed		$2.50	.30
BROWALLIA, Speciosa Major, fine winter bloomer,	6 Tr. Pkts. $2.50		.50
CALCEOLARIA, Hybrida, Tigered and Spotted	6 Tr. Pkts. $2.50		.50
CARNATION, Hardy Garden, the finest double flowered Mixture		2.00	.30
CINERARIA, Hybrida Grandiflora, Semi-Dwarf, Mixed	6 Tr. Pkts. $2.50		.50
Hybrida Grandiflora, Dwarf Hybrids, Mixed	6 Tr. Pkts. $2.50		.50
CYCLAMEN, Persicum Giganteum, Strain of highest completion, Blood-red, Carmine, Pink, Pure-White, Rosa von Marienthal Daybreak, White with Carmine Eye, each color	1000 Seeds $6.		1.00
The above colors, even mixed	1000 Seeds $5.		.75
FORGET-ME-NOTS, (Myosotis), Robusta Grandiflora, Blue		1.00	.20
Victoria. Blue, best for pots		2.50	.35
Winter Queen, for greenhouse use only		4.00	.50
MIGNONETTE, New York Market, for greenhouse		8.00	1.00
Zangen's Triumph, large flowered, new, fine for greenhouse		3.00	.50
PANSIES, Special Cemetery Mixture		3.00	.40
Special Florists' Mixture		4.00	.50
Bugnot's Giant, very showy colors		4.00	.50
Cassier's Giant, Improved Mixture		5.00	.70
Cassier's Giant, Yellow-Grounded, best of all		6.00	1.00
Cassier's Giant, White-Grounded, best of all		6.00	1.00
Trimardeau Giant, Elite Mixture		3.00	.40
Giant-Flowered Varieties: Lord Beaconsfield, Black King, Emperor William, Golden Yellow, Pure-Yellow with black eye, Purple, Pure-White, each color		2.00	.30
PINKS, Hardy Garden, Double Dwarf Early, mixed	6 Tr. Pkts. $2.50	4.00	.50
PRIMULA, Chinensis, Giant Flowered, Fringed, mixed	1000 Seeds $1.50		.50
STOCKS, Princess Alice, Pure White selected Strain for Greenhouse use.		3.00	.50
Giant-Perfection, Snow-White, fine for cut		3.00	.50
Beauty of Nice: Carmine, per oz. $3. **Daybreak Pink,** per oz. $3 **Rosy-Lilac,** per oz. $3. **Snow-White,** per oz. $3			.50
Pink and White Column, very fine for cut, each color		3.00	.50
SWEET PEAS, Christmas, White and Pink, each	Lb. $1.00		.10

For other Varieties ask for my Catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

We want to erect two houses, 20x100 ft., each house in two sections. We want to pipe it to give perfect control of heat at all times, and the base walls and benches will be concrete. There will be side benches and one center bench. Is it perfectly practicable for us to use exhaust steam, of which we have an abundance, and if so, what would be the proper size of the main to carry the supply of steam from the engine room to the glass range? Also, what would be the most practical system of piping for the four sections, having in view general commercial purposes — Roses, Carnations, bedding plants, and one house for vegetables? Plan showing dimensions of houses herewith.

The greenhouses will be 20 ft. apart, running north and south, and the steam can be obtained from a large factory building on the north, 70 ft. away. The engine room is some distance beyond this boundary line, however; the engine room itself will be 400 ft. away. The boilers in the power plant are of the tubular type and the vacuum system is in force. Size of the exhaust not known. —B. L., Long Island.

—It is perfectly feasible to heat a greenhouse with exhaust steam, provided you can produce sufficient steam for the purpose. In heating a greenhouse, you will particularly require a stated temperature continuously at night, and for that reason, to heat with exhaust steam, you must derive, at night, your power from some plant that is running all night, or you will have to make provisions to heat with low pressure from the power plant by the use of a pressure reducing valve.

There is another plan by which you could utilize the exhaust, and that is to heat the houses by hot water, heating this water by the exhaust steam by means of a feed water heater. The usual method in such cases is accomplished by forcing the water through the coils by the use of a centrifugal pump, forcing the water from the heater through the coils and thence returning same to heater and so on continuously.

If you depend on exhaust steam alone, you will have to provide enough of such steam to do this work. It is utterly impossible for me to answer the question more fully, as I am not in possession of the necessary data, which is the horse power of the engine, and also the amount of such power that you use, for from that I should be in position to figure the amount of steam that goes to exhaust. I do not advocate heating these greenhouses with direct exhaust steam, for they are too far from the engine. As mentioned above, if the exhaust steam is sufficient, the best method would be to have the feed water heater converted into a hot water heater and from that heat the greenhouses by hot water.

We have a house 22 ft. wide, 110 ft. long, 5 ft. to eaves, 11 ft. 6 in. to ridge; 2 ft. glass on north and south sides; ends closed. We use steam, low pressure; house is piped with one 3-in. flow above benches with three 2-in. returns on each side. Our 3-inch flow drops 12 inches to far end of house. As we read some of recent replies to inquiries, the system now held to be correct is for flow to rise to highest point at far end of house so as to give a dry flow pipe. We are going to make some changes soon and if the better plan is to have high point in flow farthest from the boiler we will follow that plan.

What do you think of size and number of pipes, this being used for Rose house? We can add one 2-inch return each side.—PROGRESS, N. Y.

—I rather think that your inquiry provokes a discussion; in fact, this is "a case where the doctors disagree." You have evidently been reading some other paper, for I have never advocated an uphill main for low pressure steam heating since I have been writing for The Florists' Exchange. I always recommend a high point up near the boiler and drop to the far end, so that the condensation and steam would both be going the same way; that is, one not running against the other. In a properly laid out job, this should always work well on the gravity system. If you will run your main so that the high point will be at the far end, you will be pushing most of the water of condensation in that main up to the end, a distance of one hundred and ten feet (110 ft.), and when you get it there, you either drop it into the coils, or it must travel back by gravity and be relieved at some point near the boiler end of main. Personally, I do not consider there is any merit in the question. If you are desirous of heating the coils under the benches with dryer steam than you now get, it will be an easy matter to put a relief pipe at the far end of the main before you take off connections for the coils, and have this relief pipe run back by the side of one of the coils to the boiler. By doing this, you will find that your results will be much better than those you suggest. The cost of the extra relief pipe would not amount to much, and besides you can be getting some heat out of it for the full length of the house. To maintain the required temperature in your house in an economical manner, I would advise you to install two (2) additional runs of 1¼-in. pipe.

We are building a small greenhouse and would like a little help in solving heating. The house is even span 26x65 ft. long, boiler down cellar on west end of greenhouse. The house runs east and west. Expect to run 45-50 deg. zero weather. Have 600 ft. of 1½-in. pipe; would like to use balance 2-inch. Hot water to be used. Boiler tapped for 3-inch pipe. There will be only one bench, 3 ft. on north side.—E. G. H., Mass.

—Utilizing the six hundred feet (600 ft.) of 1½-in. pipe you now have, you will require in this house ten (10) runs of 1½-in pipe and seven (7) runs of 2-in. pipe. As you only have one bench on the north side, would suggest that you run four (4) 2-in. pipes under that, arranging these pipes so that you will have two (2) flows and two (2) returns. You do not give very definite particulars, but I assume that you have iron uprights to support the roof, and you can easily arrange the balance of the piping on these uprights, and also hang others on the south side of the house—all the pipes on the uprights and south side to be, what is termed, in the form of a wall coil; that is, the pipes over each other. The same could be done on the north side, but it is not imperative.

Start from the boiler with a 3-in. connection, both the flow and return, and cross the house at the west end with same size for the mains. Arrange the piping so that you will have four (4) 2-in. under the north bench and the balance to be made up in three (3) coils, as heretofore described, consisting of one (1) 2-in. flow and four (4) 1½-in. returns to be hung on the south side, and on the columns that support the roof, two (2) coils consisting of one (1) 2-in. flow and three (3) 1½-in. returns. Each of these coils from the main to have a 2-in. connection and returns the same size. In all cases, endeavor to have the returns of the coils enter the main return on the side, and not the top of the main. Give a good grade from the boiler end to the high point on the east end. The necessary details, as regard air vents, expansion tank, etc., I presume you are aware of, as they have been explained so many times in the columns of The Florists' Exchange. I might say that this layout provides that you have a boiler pit of ample depth, as the mains are intended to cross the west end of the house below the grade of the door. The connections from the mains to the coils can be then taken off and rise to the coils, which will be above the grade of the door.

To the Trade Who Were Unable to attend the S. A. F. & O. H. at Rochester, We Submit Our Fall Prices of

CRAIG QUALITY STOCK

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall, $5, $6 and $7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots .75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans.....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautifnl and graceof the Croton family.

6-7-8-in. pots, $1.50, $2.00, $2.50, $3.00, $3.50 each

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracænas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready September 15th.

5-in. pots .....$5.00 and $6.00 per doz.

Dracaena Terminalis

This is the best variety for Christmas sales. We will have a superb stock for delivery after Oct. 15; perfect in foliage and exceptionally well colored. We are now booking orders for same for above delivery at the following prices:

4-in. pots, strong.....$25.00 per 100
5-in. pots, strong .....$50.00 and $75.00 per 100
6-in. pots, strong.....$9.00 and $12.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb Stock.

8-in. pots, strong plants, $18.00 and $24.00 per doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers,....$9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

6-in. pots, 3 plants, 24 to 26 in. tall....$9.00 doz.
Heavy 6-in. pots, 3 plants, 28 to 30 in. tall, ...$12.00 doz.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall...$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall...$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall..$3.50 each

Pandanus Pacifica

Very handsome plants.

11-in. tubs.....$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $1.50, $2.00, $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy.....$6.00 and $9.00 per doz.
8-in. ¾ pans, heavy.....$15.00 per doz.
10-in. ¾ pans, heavy.....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strongs plants..$6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots.....$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Bostoniensis Harrisii

The greatly improved Boston. Especially good in large plants.

11-in. tubs, very handsome.....$3.00 each

Neph. Scottii

Our stock in superb condition.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots .....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome.....$18.00 per doz.

Otaheite Oranges

We can supply plants with from 4 to 15 fruit. When shipped prior to October 1—15c. per fruit in green state. When fully ripened—25c. per fruit for Christmas.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

2½-in. pots, twice shifted, $15.00 per 100, $140.00 per 1000
4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, Sept. 15 delivery.....$50.00 per 100
3-in. pots, ready now.....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of LIGHT BEGONIA LONSDALE sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

4-in. pots, heavy, $25.00 per 100, $225.00 per 1000
5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots .....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants.....$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy..$8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy....$9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Pandanus Veitchii

Ready October 1.

4-in. pots .....$6.00 per doz., $45.00 per 100
6-in. pots.....$12.00 per doz., $90.00 per 100

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth & Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

This is a term which has been used of late years to describe a character of construction midway between what was formerly known as a "wood" house and an "iron frame" house. At one time there were only the two kinds of houses on the market, but to meet the demand of the grower who realized that an all wood house was not a paying proposition, either from the standpoint of growing stock or durability, and yet who found that an iron frame house was a more costly investment than his immediate resources would permit of, several manufacturers have developed and put on the market a form of construction more or less half way between these two types.

The term "half iron house" more properly describes what is known as a "commercial iron frame house," as this type of house really is more than half wood; but the real difference between the two terms is that the iron frame house has iron rafters extending from grade line to grade line across the house, either in one continuous piece as far as the ridge, or else joined at the eaves line with plates or castings, such rafters being placed about 8'-3" apart and joined with angle iron purlins running the length of the house for supporting the wood roof bars between the rafters; whereas the semi-iron frame house is not furnished with an iron rafter between the eaves and the ridge, but is constructed with an iron post reaching from below grade to the eaves line, and also iron columns and pipe or angle iron purlins for supporting the roof. These are the only absolutely distinctive features separating the two types of construction. Apart from these the term has been used in a somewhat elastic sense, some manufacturers furnishing a wooden eave plate, wood sill and wood baseboard with what they term a semi-iron construction, while others furnish an iron eave plate and wood sill and baseboard; and some go still further and, in addition to making the eave plate of iron, also furnish an iron sill, and when wood siding is used an iron base plate at grade.

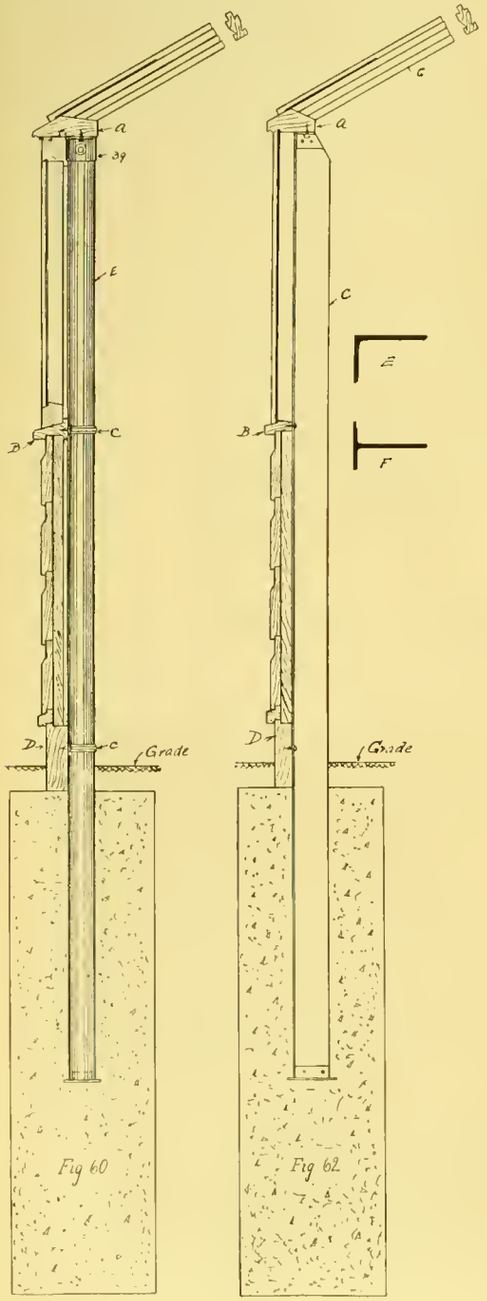


Fig 60 Fig 62

From our standpoint, a semi-iron frame house should consist of iron side posts, iron sill, iron eaves and iron purlins and columns supporting the roof. These features are, we believe, truly characteristic of what might be expected from a construction termed half or semi-iron frame.

In the selection of the type and construction of this class of house, the matter of probable durability should receive due consideration. One rule well to observe is that all wood and iron members should be, as far as possible, accessible for painting, and free for air circulation so as to avoid the accumulation of moisture. It is a physical impossibility to have all parts of a wood and iron structure answering this requirement, as some portions must necessarily be in close contact; but the construction admitting of this condition most generally will beyond doubt be the most lasting.

In considering this type of house, the first part of the structure which should receive attention is the construction of the sides of the house. We will, therefore, take up the consideration of some of the leading constructions which have been presented.

The portions of the sides of a greenhouse of wood construction which deteriorate the quickest it has been found are the base board, eaves plate, sill and posts, and, generally speaking, in the order given, that is, where judgment has been used in the selection of posts of a durable quality; but as this precaution has frequently been overlooked posts of an inferior quality have been used, the result being that in many cases they were the first to give out, and as the whole support of the house depends upon them the attention of some manufacturers seems to have been turned to this as the first point requiring improvement; consequently, with such manufacturers the first step towards a semi-iron construction was the substitution of iron posts for wood.

Fig. 60 shows one of the forms of this first step. In this case the wooden eaves plate, A, is supported on the 2" pipe post E, at the required height above grade. The eave is secured with lag screws to the pipe post by means of clamp pipe top 39. This drawing shows side ventilating sash, hinged directly to the eave plate, and meeting on sill plate, B, which is secured to the pipe post E, with a galvanized iron clip, C, by means of 1" No. 11 round head wood screws. This same construction could be furnished with solid glazing between eave and sill in the same manner as described in connection with Fig. 46. The baseboard, D, is secured to the pipe post in the same manner as the sill, the baseboard extending about 2 ins. below grade, and terminating at the top of the concrete pier which supports the pipe post. The concrete pier should be about 12" by 12", and extend into the ground about 3 ft. 6 in., or to hard bottom, with the pipe post bedded in same about 2 ft. deep.

Where an iron pipe post is used, it should be galvanized; if not, it should be immersed in an asphalt paint, so as to coat the inside of the pipe, but the galvanizing is much more durable as it is very apparent that when the structure is once erected it will be impossible to paint the inside of the pipe, and as this will be affected by atmospheric changes, alternately leaving a deposit of moisture and then drying, it is sure to deteriorate. This can be avoided on the outside by means of proper painting, but as the first coat of paint is all a pipe post can receive on the inside it should be of the most lasting character, and a properly prepared asphalt paint seems to answer the purpose better than a lead paint.

Some manufacturers are furnishing a cast iron post as shown in the illustration Fig. 61. It will be seen that this illustration shows a side and back view of a T-shaped cast iron post, with a cast iron post top secured to same by means of set screws, which answers the same purpose as the clamp fitting 39, as shown in Fig. 60. This makes a much more durable support for an eave plate or gutter than an iron pipe not galvanized, as it can be painted on all sides and the shape is such that the various members can be secured by means of screws passing through the back web. Of course, the cast iron post is not so strong as the same size and shape member of wrought iron or steel, but it could be made of sufficient thickness to answer all requirements for the purpose intended.

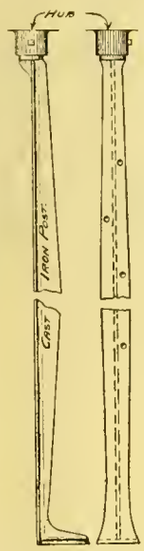


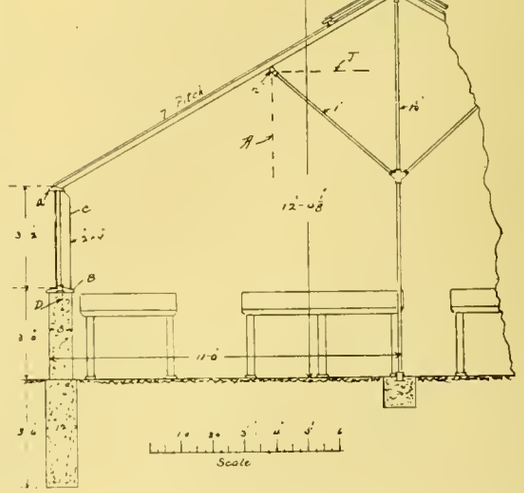
Fig. 61

Fig. 62 shows the same construction, but using a 2" by 3" by 3-16" or ¼" galvanized angle or "T" iron post, enlarged sections of which are shown at E and F. This post extends from a point 2 ft. below grade (where it is set in concrete) to the eave plate, placed at any desired height, the top of the post being provided with an angle iron piece riveted to same, to which is secured the eave plate, A, by means of a 1½" by ¼" lag screw, the sill, B, being secured to the back web of the angle or "T" iron by means of a 1" No. 11 head screw passing through a hole provided in same. The baseboard, D, is secured to the back web in the same manner as the sill. The base of the post is provided with an angle iron foot riveted to same. The top and bottom pieces should be riveted to the posts, and all the holes drilled, and then the complete post galvanized by hot process. This form of post gives the strongest construction obtainable, as the strength of the material is distributed in the directions most required; that is, the back of the angle or "T" iron post gives the needed strength in the length of the house, and the other member of the post gives the needed strength across the house, and these are the directions of the greatest strain. This form of post also admits of all parts being thoroughly painted, and where the post is galvanized, which should always be the case, a coat of aluminum paint applied every two or three years is all that will be necessary.

INQUIRY DEPARTMENT

GREENHOUSE CONSTRUCTION and HEATING

I intend to build a greenhouse 22 by 100 feet, north and south, even span, with 6 ft. wall, 3 ft. of concrete blocks and 3 ft. of glass, north end attached to office, south end to other building. I would like to know how much concrete foundation it is customary to put under the cement blocks; also how is the plate fastened to the blocks. For a house of this size how much pitch would you advise; or how high would the ridge be above eave line? In such a house, about how many square feet will it contain? In this house I propose to have four benches. It will be heated by hot water. How many lines of 2-inch pipe will it require to heat it to 50 to 52 deg. in zero weather; and how shall I arrange the pipe, with boiler in pit below grade, in office at north end?—J. R. T., New York.



—We gather from the tone of your letter that you purpose using wood construction above the concrete blocks at the sides for your proposed greenhouse. We have made a rough sketch showing one-half of the section of the greenhouse, and the dimensions on this will answer most of your questions. The footings below

the concrete block wall should extend about 3′ 6″ below grade, so as to get below the frost line. If the ground has been filled in and is soft these footings should be carried to hard bottom. You state you purpose carrying the concrete block wall 3′ above grade. This is higher than is usual, but we show this height on the section. We also notice that you desire to use 3′ of glass above the wood sill. The wood sill, B, would be similar to No. 14 in Fig. 45, in the series of articles now running (this was in the issue of July 16) and should be fastened to the concrete wall by means of galvanized iron bolts. D. set in the concrete blocks about 4′ apart.

The section shows the roof of house with a pitch of 7″ to the foot, thus, with the point of intersection of the roof glass and side glass at 6′ 2″ above grade, the point of intersection of the roof glass as shown by line E would be 12′ 4⅛″ above grade. The exactness of these dimensions would depend upon the exact location of the rabbet of the sill B; and the exact height of the bottom of the ridge above the grade would depend upon the style of ridge used. However, these figures will be close enough for the purpose you require.

According to your letter one end of the greenhouse will come against the office building and the other end against another building, therefore there will be no glass in the gables, thus making the total amount of exposed glass surface about 3050 sq. ft., with the house 100′ long. This does not make allowance for the concrete wall between the sill and grade, which would be necessary when figuring the heating surface. The eaves plate, A, should be supported with 2″ by 4″ Cypress posts, C, extending from the sill, B, to plate A, and placed from 6′ to 8′ apart, depending upon the size of the eaves plate used. We show the roof supported on 1¼″ by 1″ branch columns (the fittings for connecting these columns would be similar to those described in connection with Fig. 54 in the article published July 23), with 1¼″ pipe purlins. This construction would prevent making the two center benches the same width. It might be well, where it is desired to use four benches, to place two 1″ columns and tie rod as shown by the dotted lines H and J. It would then be possible to have a center walk directly below the ridge, and the two center beds of the same width.

To maintain a temperature of from 50° to 55° in zero weather we would advise the use of sixteen lines of 2″ pipe. The proportion of the surface at the ends of the house would have to be in accordance with the exact requirements, and the distribution of the piping would depend upon the character of crop you purpose growing. If bottom heat is required under all of the benches we would suggest placing six lines of pipe under each outside bench and two lines of pipe under each center bench. These various coils should be connected with not less than a 3½″ main, carried in a trench across the end of the house, and connected to the boiler set in the cellar at one end of the house, as close to the house as possible. The boiler should also be set as close as possible to the chimney. It would be better to have a long water main than a long smoke pipe.

As before stated, we presume that you contemplate using wood construction, but we would suggest if possible that you use galvanized angle or T posts, which would be set in concrete below the grade and would admit of using a much smaller wood sill; and, better still, have the sill made of iron. We would also suggest a galvanized iron eaves plate instead of wood. In this way you could use a 6″ concrete wall instead of 8″ and this construction would give you a much more durable house at very little additional expense.

Dracaenas

The numerous species and varieties of Dracænas are prominent in our tropical houses, owing to their varied forms of growth and color. Indigenous to different parts of the East, the South Sea Islands, Madagascar and East India, their natural habitats furnish sufficient proof that they need tropical temperatures. The different varieties of Dracænas are a grand addition to our decorative, ornamental, foliage plants.

While the species and varieties are numerous, there are no two just alike. Their graceful habit of growth and distinct coloring would seem to make them indispensable where collections of foliage plants are desired. They are comparatively free in growth, and increase readily, through cuttings, eyes, or seed. Seed will germinate easily, but the method of raising from seed is only adopted with a view to producing improved and distinct forms, although often seedlings will be found, or at least many of them, inferior to the parent. Therefore, generally speaking, it is advisable to propagate from desirable named varieties.

During the past 20 or 30 years, many a valuable addition has been made to this interesting class of exotics, both species and meritorious seedlings; but, aside from the new introductions, some of our old standbys are indispensable, such as amabilis with its varied colorings, Baptistii, Shepherdi, Youngi, imperialis and terminalis. These have been standard names for many long years. The varieties are handsome for decorative purposes, and, above all, excellent clean growers. The majority of them are well adapted for growing into massive specimens, or to use in a small state, as circumstances demand.



Victoria Dracaena
Wm. Turner, Oceanic, N. J.

The D. fragans type has been enriched to a wonderful degree. I dare say it is somewhere around 30 years since the variety Lindeni was sent out, which was a great achievement over the type; indeed, being named in honor of that great plant lover, Linden, is sufficient for the surmise that Lindeni was looked upon as a rich treasure, and as such at that time was entitled to admiration. I well remember first seeing a noble specimen, in 1882, with its beautiful, golden yellow margin and green center, making an agreeable combination; and at that date it was highly prized for its graceful habit and free growing qualities. Two or three years later the variety Massangeana made its appearance, and was seen to be similar to Lindeni, excepting that the variegation was just the reverse, green margin of the leaf with yellow center.

Little did we think, when first looking upon Dracæna Lindeni, that we should ever see anything more beautiful in the fragrans type; but in course of time came another claimant for honors, one, to my mind, decidedly as far in advance of Lindeni as Lindeni was in advance of any variety of the fragrans type—Dracæna Queen Victoria. None can deny but that Victoria is the nonpareil of the fragrans type.

Strange to say, in most cases with plants, the richer the variegation the more difficult the variety is to grow and propagate. This, unfortunately, has proved the case with D. Queen Victoria, particularly so in regard to propagation. Nine or ten years ago it was difficult to secure a plant, even at a fancy price. Yes! and even today stock is scarce, showing plainly the serious drawback—slowness of reproduction. Speaking from experience: about 9 years ago I invested in one small plant—at that time it was all I could get—and, naturally, being anxious to increase the stock, I started to keep this plant in a fairly close atmosphere and brisk heat, in the hope of increasing the stock more rapidly, but I find in getting better acquainted with this noble variety it will make a more vigorous growth by allowing more air and a moderate temperature. For instance, a temperature of 60° at night during the Winter months is ample. Neither does it require a very dense shade at any time. When growing in a close atmosphere the foliage will become spotted, giving the plant the appearance of disease; whereas, a perfect grown plant excites the admiration of anyone looking upon it. Furthermore, stock that is grown a bit cool will root much freer than otherwise; although even with every advantage it must be admitted this variety is slow to increase. The safest method to employ is mossing, especially if a plant has a heavy top; even then I have known rooting take, at times, a month, while at other times they would root fairly quick, showing plainly that the condition of the wood has considerable to do with quick root action. After the top has been rooted, in all probability, a couple of nice growths will start away again from the old stool. These, when a few inches in length, and taken off with a heel, will root quickly and eventually make nice plants. We have rooted these growths in two weeks, and again, with seemingly the same conditions, they would take much longer. D. Queen Victoria is a free grower when once rooted, providing its surroundings are agreeable. If the foliage has a tendency to damp it is a sure indication of too much moisture and lack of fresh air.

I have often wondered why D. Sanderiana and D. Godseffiana have not been more strongly recommended commercially. They will both root as readily as a Geranium, and for house work their value is well known, either in small sizes for center pieces for table decoration, or as specimens for decorating rooms; they may be used for both purposes with good effect. I have known both varieties to keep in excellent condition for house decoration several weeks, particularly during the Summer. They are graceful, and distinctly different in their habit of growth from the general run of Dracænas.

Hydrangea Madame Emile Mouillere

This new Hydrangea is the issue of a cross of H.h. Mariesii grandiflora alba and H.h. rosea, which flowered for the first time in April, 1908. The plant is erect in habit; the branches are large and stout, with large toothed leaves of a handsome shining green. The flowers are massed in heavy, compact trusses among which there are few or no fertile ones. The sterile flowers have very large petaloid pieces, 3-10 to 4-10 of an inch across, with toothed edges, which give them a distinguished appearance; they are white with pink center. This Hydrangea was awarded a certificate of merit by the French National Society of Horticulture. It was originated by the florist Mouillère of Vendôme, France.—*Revue Horticole.*

AZALEA LEDIFOLIA VAR. NOORDTIANA WITTMACK.—This is a Dutch novelty, which is distinguished from the parent plant by much larger flowers, which also come in greater profusion. The color is a delicate white. It is splendidly adapted for bedding, and should also prove of value to the florist since it blooms later than Azalia indica. As a pot plant it would have to be set out in the Spring, after flowering, and be repotted in August. It was awarded a certificate of merit by the Dutch Horticultural Society, and also by the Society of German Florists, after passing through the severe Winter of 1909 when the thermometer fell below zero, uncovered, in open beds, and with little protection at the roots. It was originated by Mr. Van Noordt of Boskoop, Holland.—*Gartenflora.*

Felicia Petiolata

This composite is a relative of the blue Marguerite, Agathæa cœlestis, and also a native of Basutoland, South Africa. Unlike the compact habit of the former, Felicia petiolata puts forth runners as long as 6½ ft., which are covered with a mass of handsome purplish pink flowers from March on; these flowers, which have long stems, are erect in habit. Felicia petiolata thrives best in rockeries protected somewhat from the wind and not too damp, and under these conditions it has proved hardy in Northern climates, living through the rather severe Winter of 1908-09, both in England and in France. It is easily raised from seed, which comes up within a short time; it may also be propagated by cuttings under glass in the Fall. M. Herb, the seedsman of Naples, Italy, is putting seed of it on the market this year for the first time.—*Moeller's.*



Felicia petiolata
From Möllers Deutsche Gärtner-Zeitung.

600,000 California Privet

One, Two and Three Years Old

Owing to moving my Nurseries, I will offer to the Trade 600,000 California Privet for this Fall's shipment at the following low prices:—

1 Small Car of 25,000 California Privet, 10 to 18 inches, $150.00
1 Large " " 25,000 " " 18 to 24 " 200.00

Or as follows:

	Per 1,000	Per 10,000	Per 20,000
4 to 5 ft. Extra Heavy, 3 years old...	$40.00	$300.00	$550.00
3 to 4 ft. Fine and Heavy, 3 years old,	30.00	250.00	450.00
2½ to 3 ft. Extra Heavy, 2 years old..	20.00	175.00	325.00
1½ to 2 ft. Well Branched, 2 years old,	15.00	125.00	210.00
1 to 1½ ft. Light, 2 years old	10.00	85.00	165.00
10 to 18 in., 1 year old.....	8.00	70.00	135.00

I invite you to see them.

If you would like references as to my stock, I can give you the largest and smallest of No. 1 Nurserymen who have handled my Privet.

I do not intend to give up the growing of Privet; only on account of moving my Nurseries, will give this opportunity to you. I will be in shape to serve all my customers by Fall of 1911 again.

CARLMAN RIBSAM
31 Wall Street TRENTON, N. J.

Please mention the Exchange when writing.

Grafted Rose Plants

Very Choice Strong Young Plants

	Per 100		Per 100
400 Richmond, 3 in pots	$12.00	**2000 Pink Killarney,** 3½ and 4-in. pots	$15 00
500 Pink Killarney, 3-in. pots	12.00	**1000 White Killarney,** 3½-in. pots	15 00

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN
Office and Store, 76 Wabash Ave., CHICAGO
Greenhouses—HINSDALE, ILL.

Please mention the Exchange when writing.

Geraniums

Strong 3-in. **Nutt** and **Ricard,** $2.50 per 100, $20.00 per 1000; 2-in. **Nutt, Buchner, Ricard,** $1.50 per 100. Transplanted Rooted Cuttings, strong, of all Standards, $12.00 per 1000, $1.50 per 100. Cash, please.

RUDOLF NAGEL, Lancaster, Pa.

20,000 Violet Plants

Strong, healthy, field-grown plants, of **Marie Louise, Farquhar, La France** and **Princess of Wales,** $5.00 per 100, $45.00 per 1000.

Also a few hundred of the New Single **VIOLET BOSTON,** $10.00 per 100.

RICHARD LANGLE, WHITE PLAINS N. Y.

Florists' Hail Association of America

At the meeting of this Association, the secretary, John G. Esler, handed in a comprehensive report for the past twelve months, of which we publish an abstract, as follows:

The number of square feet of glass insured by the 1,660 members of The Florists' Hail Association of America, is located as follows:

The 10 per cent. assessment on hazardous risks netted the treasury $79,43.

The estimated liabilities of the Association are: amount due reserve fund of $3,301.20, and a few unadjusted losses, amounting to a few hundred dollars.

The reserve fund consists of $22,000 in securities and $1,301.20 due from the emergency fund.

	Single thick glass	Double thick glass	Single thick glass Extra one-half	Double thick glass Extra one-half	Single thick glass Extra whole	Double thick glass Extra whole	Amount paid for losses Aug. 1, 1909 to Aug. 1, 1910.
Arkansas	17,670	21,560	.....	.....	.....	.....	.....
Colorado	480,907	690,923	120,763	92,340	259,565	433,723	$5,058.81
Connecticut	4,000	112,019	.....	43,986	.....	2,100	.....
Delaware	55,002	72,245	.....	.....	.....	4,200	.....
Georgia	6,048	3,360	.....	.....	.....	.....	.....
Illinois	353,735	3,401,521	69,678	527,060	76,455	713,095	334.70
Indiana	290,457	1,383,063	41,875	233,708	97,322	196,036	134.11
Iowa	385,380	1,106,339	20,701	366,908	106,989	276,605	508.22
Idaho	9,705	.....	.....	.....	.....	.....	.....
Kansas	530,650	494,297	39,622	46,824	276,732	364,275	16,676.98
Kentucky	85,162	133,971	1,500	.....	26,396	38,980	.....
Louisiana	2,472	13,000	.....	.....	.....	.....	.....
Maine	3,724	44,429	1,000	3,000	1,100	.....	.....
Maryland	118,096	109,235	10,205	3,328	8,900	21,758	.....
Massachusetts ...	18,360	170,175	1,100	18,000	.....	2,064	.....
Michigan	150,719	873,839	4,312	167,302	11,644	148,710	11.65
Minnesota	91,668	1,120,732	11,112	51,824	23,743	668,010	.....
Missouri	801,133	1,296,408	128,460	170,019	445,711	789,249	478.20
Montana	148,240	43,726	.....	.....	11,710	22,776	.....
Nebraska	362,232	207,062	141,214	61,749	108,396	94,811	166.88
New Hampshire .	900	36,270	.....	.....	.....	.....	.....
South Dakota ...	48,045	33,120	.....	.....	34,935	16,245	86.90
North Dakota ...	1,492	24,978	1,492	8,725	.....	10,113	.....
New Jersey	48,394	1,218,700	.....	227,958	.....	25,006	.....
North Carolina ..	22,395	60,450	.....	.....	.....	3,676	96.41
South Carolina ..	2,400	14,800	.....	.....	.....	.....	.....
New Mexico	4,768	47,046	.....	23,966	4,768	10,880	.....
New York	192,676	799,100	10,212	86,190	12,400	51,080	147.66
Ohio	721,676	2,364,385	79,476	321,568	43,454	336,386	331.13
Oklahoma	71,884	78,149	2,240	10,608	60,780	35,991	1,636.46
Pennsylvania	504,977	3,016,504	79,020	292,190	42,829	775,431	558.09
Rhode Island	616	45,297	616	34,185	.....	9,950	.....
Texas	91,846	286,513	.....	11,978	15,950	50,725	1,153.37
Virginia	46,727	80,465	.....	.....	1,982	28,513	.....
West Virginia ...	43,280	3,165	.....	.....	16,360	.....	.....
Wisconsin	96,970	425,000	6,839	.....	7,250	34,207	.....
Washington	12,910	.....	.....	.....	.....	.....	.....
Wyoming	7,000	.....	.....	.....	7,000	.....	.....
Dist. Columbia ..	8,144	75,464	400	3,988	4,220	71,576	.....
Canada	6,844	100,396	.....	.....	5,844	48,996	.....
	5,838,181	19,997,736	771,737	2,758,304	1,711,425	5,324,166	$27,378.46

The above is equivalent to an insurance upon 34,636,555 square feet of glass.

The total receipts for the year ending Aug. 1, 1910, and including last year's balance, as per treasurer's report, have been $40,109.09.

The total expenditures, as per treasurer's report have been $38,523.61.

The emergency fund is exhausted, and $3,301.20 has been borrowed from the reserve fund, of which $1,585.45 in cash remains on hand.

The amount of interest collected on reserve fund investments for the year is $970.00. The amount of interest collected on bank deposits for the year has been $183.83.

Losses representing a breakage of 222,413 square feet of single thick glass and 82,757 square feet of double thick glass, have been paid during the year.

1520 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than $188,000.00.

In tabular form was submitted a statement showing the number of hailstorms in the various States from June 1, 1887, to Aug. 1, 1910. Kansas reported the greatest number, 141.

The number of losses paid from June 1, 1887, to Aug. 1, 1910, was 1414. The number of hailstorms reported for the past twelve months was 91, and the number of losses paid for the year just ended was 126, to which Kansas contributed 48.

After paying out over $82,000 in the last three years, an extra assessment is necessary, for the first time since the organization of the Association to restore funds borrowed of the reserve fund, and put the F. H. A. upon a strong cash basis.

The time of levy will be fixed by the directors, and your officials have not a shadow of doubt but that it will be promptly paid.

Stray Notes from Abroad

BY T. A. WESTON

In mid-June I decided to make a flying trip to south-east Kent, and during the five days' tour I visited nearly a score of nurseries situated in various well-known towns, including Canterbury, Dover, Ashford, Ramsgate, Folkestone, Hythe and Maidstone. The trip was entirely a cycling one, averaging nearly 60 miles per day. Better weather could not have been chosen, although the temperature was somewhat above the normal for the period. Being, however, one of the lean kind, I suffered no inconvenience, despite the fact that I was carrying my entire kit, including camera and full outfit.

The most prominent firms I visited were Geo. Bunyard & Co., Maidstone; G. & A. Clark, Ltd., Dover, and Geo. Mount & Sons, Canterbury.

The first named concern is, doubtless, well known to American growers, inasmuch as Harry A. Bunyard, secretary of the National Sweet Pea Society of America, is a near relative of the family which controls the famous fruit nursery at Maidstone. As cultivators of fruit trees in pots Messrs. Bunyard are acknowledged past masters, and they are also fortunate in possessing two foremen, whose skill in this particular line is unsurpassed. Both men have been connected with the firm for upward of a score of years, and one of them might well claim to be a champion cultivator of fruiting vines in pots. Certainly, nowhere else can one see finer Grape vines in pots than at Maidstone, and the varieties grown embrace everything that is good in vines, including the best American sorts. Apples, Pears, Figs and Cherries are also produced at the nurseries, these being a feature at all the great British exhibitions. Outdoor fruit is cultivated on a large scale, many acres being devoted to the raising of young trees, trained in bush, pyramid cordon and espalier forms. Herbaceous flowers are also a specialty of the firm, and it is questionable whether a more complete collection exists in any nursery. Every novelty of merit is to be found at Maidstone, and I had the pleasure of seeing one of the most comprehensive collections of Delphiniums extant, including the wonderful Rev. Lascelles, perhaps the most remarkable white centered variety ever raised. This novelty is not yet likely to become common, for small plants realized 7s 6d each, nearly two dollars.

G. & A. Clark, Dover, are noted for their progressiveness, and the way they have come to the front in recent years is not a little remarkable. Herbaceous flowers are a specialty with them, and many acres are devoted to these, for retail and wholesale trade. Messrs. Clark have been particularly fortunate in picking up novelties of merit, among the most notable being Gilia coronopi-



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folia, Geum Mrs. W. J. Bradshaw, and Ranunculus Evening Star, all of which have received awards from the R. H. S.

The first named is a brilliant scarlet biennial with feathery foliage, and although of ancient origin it had dropped out of cultivation, so that when first shown by the Clarks it was looked upon as something new. They discovered it through the offices of a French gardener. The new Geum referred to was also found in the hands of a private gardener, who raised it by cross breeding. The firm also specializes in Sweet Peas and has sent out several good varieties. Their proximity to France enables them to pay periodical visits to Paris shows, gold medals being usually awarded for their exhibits.

Geo. Mount & Sons of Canterbury merit special notice, for the firm is probably the most successful Rose forcing concern in the British Isles. Their exhibits of forced Roses, at the leading exhibitions, cannot be surpassed, and on this account it is my purpose to describe the great nurseries in detail.

Geo. Mount began his career as a blacksmith, and having a love for Roses he took up their culture. His success led him to start in business as a Rose grower, and from outdoor culture he went into growing Roses under glass, till at the present time his greenhouses cover several acres. Roses are not the only line handled, however, for in recent years the firm has extended itself, and is now recognized as one of the leading fruit and Roses are, grown outdoors, both for market and trol running to over 1000 acres.

At the nurseries at Canterbury 105 acres are under control, while at Folkestone, some 16 miles distant, another nursery is worked, much of this being devoted to glass. At Canterbury, fruit, shrubs, hardy flowers and Roses are grown outdoors, both for market and retail purposes, the firm having three flower and fruit stores. The glass at headquarters is chiefly devoted to Roses, but for the most part the houses are small, and very low, compared with the gigantic houses as used in the United States. These houses were not built for Roses, but, nevertheless, the firm can turn out Richmond in champion form, all the plants being grown in pots, which stand close together. Larger houses are filled with stronger growing Roses, these being planted on the ground, not on raised benches. These plants are of considerable age, having lower stems like young tree trunks. The branches are bent and tied down, and from these branches come the enormous growths, carrying flowers such as Frau Karl Druschki, Mrs. John Laing, Caroline Testout, Papa Gontier and other well known varieties. Often, these flowers are as big as a man's fist and are carried on 3 ft. stems, clothed with foliage that would not disgrace a young Cabbage. The most remarkable houses, however, are what Mr. Mount terms "rabbit hutches." Generally speaking, these houses are constructed like the Californian slat houses, but have a movable glass roof instead of slats. The whole is supported on rough frame work, ordinary frame lights being used for the roof. Some eight or ten spans go to each house, each about 12 ft. wide. The length of these houses, of which there are several, is about 150 ft. The eaves are high enough to allow easy walking. The sides are entirely of wood, and are in sections, so that in a short time the whole roof and sides could, if necessary, be shifted, leaving only the struts and frame work. Some of these quaint houses are heated throughout. The Roses here are planted on the ground and, although there is no side light, the stock grown in these houses would probably make some of the best American forcers sit up a bit and take notice. The plants are all old stock, mostly pegged down, but the growth is tremendous some of the stems resembling the growths of Crimson Rambler for thickness. Although the whole of the houses present a dense mass of foliage, no disease seems to trouble the plants, and thousands of flowers are cut weekly for Covent Garden market. While many growers fail to get early Roses over here, Messrs. Mount commence cutting at the end of January, and from that time until the outdoor Roses finish, blooms are sent to market by the hundred thousand.

Apart from forcing for market, Messrs. Mount grow Roses in and outdoors, in large quantities, for their wholesale and retail plant trade, and after viewing the houses filled with young grafted stock, including the new Lady Hillingdon, I went into the field, where six men were busily budding dwarf stocks. Mounts' find it absolutely essential to bud the briars in June, and the men employed can insert buds far more quickly than it takes me to write this paragraph.

In recent years Mounts' have taken up the culture of Carnations, and so successful has Harry Mount become, that it is up to anyone to demonstrate they can do them better than at Canterbury. As with Roses, special houses were not at first built for Carnations, the small general stock houses being given over to them. Nevertheless, the plants thrived and the returns being satisfactory, Mr. Mount began to clamor for more room, and as he is practically the boss, the firm commenced erecting a pair of houses 200x32 ft., the finishing touches to which were being made at the time of my visit. These houses are modeled on American lines, although designed and built by Messrs. Mount. Iron supports and purlins are used, and the heating pipes are carried up near the roof, in addition to the usual ground line supply. One house is filled with the varieties Enchantress and Mrs. T. W. Lawson, grown in pots, and I must say that the plants are the strongest I have ever seen. The second house is planted with young stock, on the raised bench system. The benches are, however, very low, not more than 12 inches high, the bottoms being covered with drain tiles packed closely together.

The firm has experimented with Carnation growing under the planted out system, also under pot culture, and while the latter gives first-class results, the other system allows closer planting. Many growers on this side have given up the planted out system in disgust, but, whatever the cause may be, Mounts' do not fear it, and their plants have done well, so well in fact that they intend to erect more houses, and work them on the low bench system.

Incidentally, I may say that Carnations do well anywhere with Mounts, for they have one of the enormous "rabbit hutches" filled to overflowing with two year old plants, which are veritable giants. These plants were to have been discarded, but having the "hutch" available, they were placed pot thick, and the crop in sight is enormous.

For pot culture, the "Reliance" support is used, this being a ring which clips on to a stake, embracing all the growths without tying. In the houses where the planting system is adopted, both at Canterbury and Folkestone, the general American system of wires running through the houses is adopted.

The Canterbury nurseries are well worth a visit to tourists from your side, and the city of Canterbury itself teems with historical interest. The famous cathedral, wherein Thomas à Becket was murdered, is right in line with the beautiful avenue in Mounts' nursery. Apart from the Cathedral the whole city is full of ancient buildings, making it a veritable Mecca for tourists.

What is meant by miss-firing is the engine The wide-awake florist is he who reaches his customers through the trade advertising mediums, catalogs, cards, books, window dressing, railroad display signs, street car signs; all are evidences of the progressive man.

FOUNDED IN 1888

FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Joseph Heacock Nominated for State Senator

The Democrats of Montgomery Co., Pa., in attempting to find a candidate for State Senator who was a little superior to anything their opponents could select, gave the nomination to Joseph Heacock of Wyncote. While Mr. Heacock's party is in the minority, still he is likely to receive strong support from the Keystone party and his chances of election are good. We sincerely hope Mr. Heacock may win and, if he does, there will be one man in the Senate of Pennsylvania who will refuse to listen to the lobbyist's appeals.

A Correction

In our Greenhouse Building Notes of last week we mentioned that A. N. Kinsman, Austin, Minn., is building two new greenhouses 26x100 ft.; this should have read 27x161 ft.

American Association of Park Superintendents

The annual convention of the American Association of Park Superintendents was held at Harrisburg, Pa., Aug. 9 and 10. The convention opened in the Commonwealth Hotel on Tuesday morning, the president, Wm. D. Manning of Baltimore, presiding. The address of welcome to the city was given by William E. Bailey of the Park Commission. The response was by James B. Shea of Boston, Mass. The president made his annual report, congratulating the Association upon the substantial increase in membership and its improvement in financial condition. The report of the secretary and treasurer, F. L. Mulford, was read and received with applause.

The afternoon was devoted to an automobile tour through the parks of the city and along the banks of the Susquehanna River, the ride terminating in Reservoir Park, where a fine luncheon was served.

The evening session was held in the band stand there. An interesting paper on "The Latest Conclusions About Road Surfaces" was read by W. H. Dunn, superintendent of parks, Kansas City, Mo. Mr. Dunn's paper was followed by a discussion regarding the use of oil on surfaces of roads patronized by automobiles and the conclusions seemed to be in favor of its use.

An eloquent address on "The Reason for Parks" was delivered by J. Horace McFarland of Harrisburg, who insisted that parks were not luxuries or "frills" but substantial investments which paid for themselves many times over.

On Wednesday the delegates visited the State Capitol, which they were told cost, including the stealings, over thirteen millions of dollars, and it was agreed that it was worth it. From the capitol they went to Mt. Pleasant Printery, and were shown the marvels of a modern printing establishment by Mr. McFarland.

In the afternoon the election of officers was held with the following result: President, William Zartman, Brooklyn; Vice-presidents, W. H. Dunn, Kansas City; W. R. Adams, Omaha; Charles E. Keith, Bridgeport, Conn.; James B. Shea, Boston; Dr. Frank Baker, Washington, D. C.; J. W. Thompson, Seattle, Wash. Park Superintendent F. L. Mulford of Harrisburg, Pa., was re-elected for the fifth consecutive year to be secretary-treasurer of the oganization.

It was resolved to hold the next annual meeting in Kansas City, Mo.

The question of keeping the public off lawn areas was discussed at length. It seemed to be the opinion of the superintendents of the larger parks that the public should not be allowed on the grass until after it was well started in the Spring, also during a severe drouth; at the same time it was agreed that the public should have all the freedom possible. The question as to stationary or movable benches brought out a lot of experience chiefly in favor of stationary benches where the conditions as to shade, etc., were permanent.

A visit was made to Athletic Field on Harget's Island, and the nursery there which is maintained by the Park Department.

The evening session was held in the lecture room of the Mt. Pleasant Press. The first address was on "The Introduction of Ornamental Plants of the Office of Foreign Seed and Plant Introduction, U. S. Dept. of Agriculture." The essayist was Peter Bisset of that department, who showed photographs of many flowers, vines and trees which the Department was introducing from foreign countries and which were sent for trial to parks throughout the country. The other subjects and speakers were: "Public Playgrounds and Athletic Fields," by George W. Ehler, secretary Public Athletic League, Baltimore, Md., and "Public Baths," by Thomas M. Baedenkoff, supt. and secretary Public Bath Commission, Baltimore, Md.

On Thursday, the delegates went in a private car to Gettysburg and were shown over the battlefield by the celebrated guide, Capt. Jas. T. Long. J. H. G.

Books Received

DISEASES OF CULTIVATED PLANTS AND TREES. By George Massee, Assistant Keeper, Herbarium, Kew, London. The Macmillan Company, 66 Fifth ave., New York. $2.25 net.

Mr. Massee's previous able contributions to science assure him a wide reading of his new book treating of a subject upon which he is so well qualified to write. The style is very clear, and each statement is closely followed by convincing proofs. The introduction shows the impossibility of determining whether plant disease is more prevalent now than it was 25 years ago; that it is not due to a "visitation," but to physiological causes; and that the most potent cause today, which did not exist in the past, in spreading disease is "rapid transit." A quarantine of all plants from foreign countries, consisting of the planting out and inspection for a season before dissemination, is suggested.

In the opening chapter, primary and secondary causes of disease are clearly explained. A chapter on epidemics shows that though the fungus and the host plant may both exist, the former will not attack the latter unless the atmospheric conditions are favorable.

That parasitic fungi cannot infect, indiscriminately, every kind of plant is clearly shown, and positive and negative chemotropism is taken up.

How fungous diseases are disseminated is carefully explained, the responsibility of man not being omitted. Generally unknown facts are made known in one chapter; then follow chapters on wounds, drought, injuries by frost and hail, smoke, gas, etc. The causes of intumescenses are enumerated, one of which may be spraying solutions. Fasciation is carefully treated of, and bacteriology of the soil and the increase of fertility by carbon bisulphide is explained; and the economic aspect of plant diseases is touched upon.

A chapter on fungicides, and another on spraying, both all too brief, but certainly very interesting, will probably be considered by many the most interesting and practical part of the book. This takes us through about 60 of the 602 pages of this very valuable book which are written in such clear and simple English that the horticulturist of very limited education can easily understand it.

Some 475 well illustrated pages, written in equally clear English, then take up, in detail, the parasites and the fungous and bacterial diseases of plants. Chapters follow on injuries by animals and birds, mites, and eelworms. Lastly, and of very great importance in the use of the book, besides an addenda bringing the book up to date, there is a very complete index of figures, parasites, sprays, etc., and of host plants, occupying some 40 pages.

We lay the book aside with the feeling that we shall consult it often, and that Mr. Massee has given a very valuable book to the horticultural, floricultural and agricultural world.



OUR READERS' VIEWS

Notes and Comments

Editor Florists' Exchange:

Referring to what Mr. Meehan says about Black Hamburg Grapes in the open ground, I would say that I ripened them years ago in the northern part of this State, but the quality of the fruit was far inferior to that grown under glass, and in size was not larger than Concord. There is, in an old garden in Kent Co., Md., or was when I was last there, a long arbor of very old Chasselas vines that have done very well. The Dutch Sweetwater is about the best of the vinifera class here in the open ground, and there are a number of very old vines in this section. It seems to me that with our modern means for warding off mildew we could make the French Grapes a success here.

I planted this Spring, from the Meehan nurseries, a plant of Bignonia grandiflora (Tecoma) to climb on one end of my porch; but instead of sending out long runners, the plant has simply bloomed and bloomed in a bush-like form. I hope it will start up another year, for the flowers are larger and finer than our native. As to the color, Mr. Meehan says that it is not as good a crimson as radicans. True! for it is not a crimson at all, but a real orange color. Probably my plant may start suckers from the roots and run better.

The Cedrela I planted years ago in North Carolina, and the trees are fine. They have all the beauty of the old Ailanthus, without its odor. In fact, some now call it Ailanthus lutea. I think I shall plant some here. Those I planted in North Carolina have not suckered and I hope they will not. Perhaps Mr. Meehan can tell us something about this.

Lilacs are fine, but here we now have immense Crape Myrtles in bloom, and they bloom many times longer than Lilacs. Lilacs do not do as well here as in Philadelphia, though we must have some. On the lawns here there are also showy and large bushes of the double scarlet Pomegranate, and in one yard I saw a plant with orange yellow double flowers. These Pomegranates are grown in bush form from the ground; we have some fifteen to twenty feet high and as many feet through, and the brilliant flowers as double as a hundred-leaf Rose are very showy. Do they live out in Philadelphia, Mr. Meehan?

W. F. MASSEY.

Salisbury, Md.

Obituary

Jean Soupert

Jean Soupert, the well known rosarian, one of the founders of the firm of Soupert & Notting, of Luxembourg, Belgium, died on July 16, at the age of 76 years. He was born Feb. 19, 1834, near Luxembourg, and was apprenticed to a florist there at an early age. One of his fellow workers was Pierre Notting, his future brother-in-law, with whom he established, in 1855, the firm of Soupert & Notting, which from small beginnings rose to become a firm of international reputation. After a few years of general florist work the establishment was given over entirely to the cultivation of Roses, and here Jean Soupert became a leader, both culturally and commercially, so that now most of the great European establishments have adopted his methods in general. He was one of the foremost originators of new Roses; his Mme. Segond-Weber received the Bagatelle prize in 1909.

He lost his partner, Pierre Notting, through death in 1895. In the same year he himself had a stroke of paralysis, which obliged him to give up his active outdoor work, but he still kept the general management in hand, ably assisted by three of his sons whom he had trained up in his profession. He was widely known and popular among his colleagues at home and abroad, all of whom recognized him as an authority in his branch. In the last years of his life he wrote extensively for the horticultural press. He was the recipient of many honors, a Knight of the Oak Crown, the Order of Leopold, the Legion of Honor, and for many years a member of the Chamber of Commerce of Luxembourg.—*Moeller's Deutsche Gartner-Zeitung.*

SOCIETY of AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

TWENTY-SIXTH ANNUAL MEETING AND EXHIBITION

Officers of the S. A. F. and O. H.

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F. R. PIERSON, Tarrytown-on-Hudson, N. Y.

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For Three Years.—W. N. Rudd, Robert Craig.
Ex-Officio.—J. A. Valentine.



George Asmus
President-elect of the S. A. F. & O. H.

HELD AT
ROCHESTER, N. Y.
August 16 to 19, 1910

Officers and Committees of the Commercial Florists' Association of Rochester, N. Y.

President, F. W. VICK.
Vice-President, E. P. WILSON.
Secretary, H. B. STRINGER.
Treasurer, W. L. KELLER.
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Ladies' Committee—Colin B. Ogston, Chairman.
President's Reception—Geo. B. Hart, Chairman.
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Decoration Committee—F. J. Keller, Chairman.

1911 CONVENTION CITY
BALTIMORE, MD.

OFFICERS FOR 1911

GEORGE ASMUS.....President
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H. B. DORNER.....Secretary
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THE twenty-sixth annual convention of the S. A. F. & O. H. opened at Rochester, N. Y., in Convention Hall, on Tuesday, August 16. The trade exhibition occupied two immense halls, with basement and balconies, and was the finest and largest ever held in the history of the Society. The business sessions were held in a hall adjoining one of the exhibition halls. There was no attempt at decoration, nor was there the slightest need of anything in a decorative way. The attendance was large, as was expected, and Rochester's anticipation of a banner convention was realized to the full.

First Day—Tuesday

Opening Session

The convention opened at 2 p.m. with the introduction, by Vice-President F. W. Vick, of H. H. Edgerton, Mayor of Rochester, who made an address of welcome. "It has been my privilege," he said, "on many occasions to extend the greetings of my fellow citizens to business men who have selected Rochester for their meetings. Today our welcome should be unusually cordial, coming as you do and representing an industry which has made Rochester famous, and of which we are proud. We are glad you can see our city under such favorable circumstances. I trust your visit here will be both profitable and agreeable, and that you will carry away with you impressions that will make you decide to come back quickly. I extend to you a most cordial welcome and the freedom of our city."

The Mayor's remarks were supplemented by an address by Geo. Deitrich, president of the Chamber of Commerce. He said: "I cannot add any words of welcome to those already spoken by our honored Mayor, because they represent our entire citizenship; but I can say to you that Rochester is famous for a good many things, one of which is good government. The esthetic development of our city is also great, as you will see when you take a trip through our parks. Rochester is noted for three things, the original one flour, the staple of life. With this comes power, and that is the second thing—we have ample power through our waterfalls. Through our industries we are a most progressive manufacturing city, and most of our mechanics own their homes. Through this fact we come to the artistic, and it is as the 'Flower City' we are now known."

Mr. Vick then introduced President F. R. Pierson, who deputed Robert Craig of Philadelphia to respond to the address of welcome.

Mr. Craig said: "As we all know, Rochester has come to be a great convention city. Through the public spirit of its citizens it can take care of large bodies of business men. Rochester has become particularly identified with our business. It is known as the 'Flower City' and it is the only city, as far as I know, that has adopted for its symbol a florist's flower. In Rochester, during the past half century, have been some of the greatest men in horticulture this country knows. The life work of George Ellwanger, Patrick Barry, James Vick, and others is well known to all of us, and the work of those associated with them has made Rochester world famous as a center of horticulture. We certainly are glad to be here. We have brought with us a few samples of the plant growers' art, which will doubtless interest some of the people of Rochester. We hope, sometime in the future, to come here in the Springtime. There is a sentiment growing in the Society that the Spring is the better time to hold a convention, when we can show everything in bloom—shrubs, Roses, etc.—all in perfection. At this time we are limited to a few foliage plants; but some day we hope to come here with an exhibition that will be some compensation for the kindly welcome we have received."

Mayor Edgerton, taking the platform again, reminded his audience that while the florists' industry had given to the city the name "Flower City" the great variety of industries had made the city what it is. No matter what the times were, the city was always getting something in the way of orders from some parts of the world.

Patrick O'Mara of New York then, in an eloquent address, on behalf of the New York Florists' Club presented President Pierson with a handsome ivory gavel, with an inscription band of silver, as a token of the Club's appreciation of his services, and with the hope that he would use it with due fairness, without any favors to the Club. It was quite a heavy implement, he said, and would give a good knock, although all knew the president was not a knocker.

President Pierson made a suitable response. He said the gift was the more appreciated because unlooked for, and because it came from brethren in his own town, practically, his own friends, at such a time and under such circumstances.

President Pierson's Address

Ladies and Gentlemen—Members of the Society of American Florists and Ornamental Horticulturists:

It gives me great pleasure to address you on this occasion—our twenty-sixth annual convention. This convention marks the beginning of the second quarter century in our history. It is very fitting that Rochester, the Flower City, should have been chosen for this convention, for no city in the United States has done more to inculcate the love of horticulture among our people than has Rochester. This city was the cradle of the seed and nursery business of the United States, and has a world-wide reputation for its love of flowers and the beautiful.

Recommendation to Consolidate All Kindred Societies

To my mind, one of the most important objects to be accomplished at this time is the incorporation or consolidation of the various societies devoted to special lines of ornamental horticulture into one homogeneous, harmonious whole. By this I do not mean that the different societies, such as the Carnation Society, the Rose Society, and the other kindred organizations, should lose their individuality or identity, but that, instead of being separate organizations, they should become sections of the National Society, each devoted to its own individual interest, but incorporated into one powerful organization. This is the day of concentration, and now, it seems to me, is the psychological moment for the unification of the different horticultural interests.

You may ask how this is to be done; and it is a pertinent question. As my friend, Patrick O'Mara, has expressed it, "We need a Moses to lead us out of the wilderness into the promised land." If I remember correctly, this promised land flowered with milk and honey; so it would seem as if the object to be attained was worth striving for. I do not want you to mistake me as expecting to be the "Moses" to lead you out of the wilderness of the numerous and varied interests represented by the different horticultural societies.

Consolidation Possible Through a Midwinter Meeting

This subject has been uppermost in all our minds for years, and the question of affiliation has been threshed out and it seems to me as if we might accomplish, in a concrete and practical form, what we have been theorizing about for years, in the Midwinter convention, which it is now proposed to hold in connection with the National Flower Show, to be held in Boston next Spring, the executive board having recommended that a special meeting of the Society be held during the time of the National Flower Show; and I sincerely hope that this recommendation will meet with your approval and be adopted, especially in view of the fact that the American Carnation Society has already fixed that date for holding its annual convention, and the American Rose Society has also agreed upon that date for holding its annual convention, and, I trust, we may have the co-operation of all the other societies as well.

This is directly in line with what I have in mind at this time as a desirability. In other words, I believe that, instead of having a convention of the Carnation Society in January, a convention of the Rose Society in March, and a meeting of the Sweet Pea Society in the Summer, it would be better if these different meetings were held at one time under the auspices of the Society of American Florists. This would afford us an opportunity to test the desirability and advisability of such a Midwinter convention before committing ourselves definitely to any change of plan. There are a great many arguments that can be advanced in favor of the Summer convention, as such as we have always held and there are other arguments in favor of the Midwinter convention.

Summer vs. Midwinter Conventions

There are some who advocate doing away entirely with the Summer convention of the Society and substituting a Midwinter convention; but at this time I should not want to advocate so radical a change. The secretary was directed to send each member of the Society an inquiry as to whether he would find it more desirable or convenient to attend a Summer meeting, or a meeting during some month in the Spring; so we shall soon have this information available. I do not know why it would not be advantageous for the National Society to hold a semi-annual convention instead of an annual convention, as in the past. The Summer convention has its advantages for plant exhibits, but gives no opportunity for an exhibition of cut flowers practically of any kind.

Midwinter Convention the Opportunity for a Grand Flower Show

Last year, at Cincinnati, there was some considerable discussion as to the desirability of making our exhibitions of such a character as to interest the general public, but on account of lack of room at Rochester, there being such a demand for space by exhibitors, it was found impossible to carry out that suggestion at this time. There is no doubt but the general public is very much interested in our conventions, and it is very desirable that our exhibits should be of such a character as to interest the public, and help horticulture generally in the different cities where we gather from time to time. A Midwinter convention would offer a magnificent opportunity for this purpose, and I believe that the coming National Flower Show will demonstrate the desirability of a Midwinter meeting—possibly not on such an elaborate or extensive a scale as will be attempted in Boston next year, but along those general lines. I do not see why our interests are not of enough importance to justify these semi-annual gatherings. It certainly would require less of an outlay of both time and money to attend the consolidated semi-annual meeting than to attend all the various smaller meetings.

If an affiliation can be accomplished, I would suggest the desirability of having the secretary of the National Society also the secretary of all the affiliated societies. I think this would tend to greater efficiency and economy. I would also suggest that the presidents of all the affiliated societies be made members of the board of directors, this giving each society a voice in the management of the affairs of the national organization.

The Organization of a Retailers' Section

An exhibition in Midwiuter would also interest the retail section as it would afford a splendid opportunity to the retail florist to show what can be done in artistic arrangements, and would give him an excellent opportunity of reaching the public in the most effective way. I was particularly pleased to have President Valentine organize a retail section last year. I believe it will conserve the interests of the large number of men who buy and dispose of the products of the growers and will be productive of great good to the retailer and grower.

As to Election and Appointment of Officers

Along these lines, it might be apropos for me to mention what I have had in mind for a long time, and that is that our interests are large enough and important enough to justify the employment of a secretary who shall devote his entire time to the advancement of the interests of our Society. Our presidents are appointed for only one year, so that it would be desirable to have one executive officer whose term of office should be more or less continuous. We are to have submitted to us at this time an amendment to the constitution relative to the election of a board of directors. I am firmly of the opinion that we would more nearly follow out our ideas of a democratic form of government by the election, rather than by the appointment, of directors; in fact, I believe that the offices of the president, vice-president and directors should all be elective, and that the office of the secretary, and possibly of the treasurer, should be appointive. So far as the treasurer is concerned I am not so insistent that his should be an appointive office; but I believe that the secretary should be appointed by the board of directors, and that his tenure of office should not be subject to any uncertainty as long as he does his work well and satisfactorily to the board of directors. Constituted as we are, as a Society, it is desirable that some one should occupy this office who is familiar with the situation and who can give it his entire time and attention. I believe that the extra expense involved would be money well invested.

The Secretary's Time Should Be Wholly Devoted to the Society

You may ask what there is to do that requires a man's entire time. Our committees as now constituted, with one man in one city and another in another city, are unwieldy and unworkable, and are too far apart to do effective work. Those who have served on these committees will bear me out in this statement. Take, for instance, the question of legislation alone. It is becoming necessary that there should be some check upon the various bills that are introduced both in Congress and in the State legislatures, many of which in the form in which they are introduced are inimical to our interests. There is also the question of the regulation of express rates, tariff, and other matters requiring constant attention and supervision.

Membership Increase

Another matter to which more attention should be given is an increase in the membership of our Society. This has been talked of often before, by many presidents who have preceded me, and, while a great deal has been accomplished in the past by those who have occupied this office, we all admit that we do not have as many members in our Society as we should have. There are a great many who do not fully realize what a great benefit the Society of American Florists really is, and what good a society of earnest workers can accomplish with the proper support. I believe it is the duty of every man in the business to belong to our national organization.

The Life Membership Fee

In regard to the recommendation of the executive committee fixing the life membership fee at fifty dollars, I expressed myself at length on this subject at the last convention. I believe that fifty dollars is none too much for a life membership in our national organization. Many local clubs and smaller societies charge as much as this, or more. The right way to succeed is not to cheapen the life membership, but to increase the value of the organization, so that a man will be willing to pay almost any price for membership in the Society.

Further, I believe that the annual dues might well be increased from three to five dollars. It seems to me that five dollars is little enough for a membership in our Society. Now, every member attending a convention gets more than five dollars' worth of entertainment alone, to say nothing about the other benefits derived therefrom. A member of the Society who pays his annual dues of five dollars for ten years consecutively might be made a life member, and the payment of further dues cease. I think that an inducement such as this would prevent a great many from allowing their membership to lapse, as has been the case frequently in the past.

Important Recommendation as to the Presidency

I would also recommend for your consideration that any member of the Society, to be eligible to the presidency, should have first served on the board of directors. My reason for this is because such a man elected to the presidency would have familiarized himself with the detail work of the Society, and, consequently, be better equipped to act as the chief executive officer of the Society.

The Coming Spring Flower Show

I wish to call the attention of the members to the most important event of the year, namely, the organization of the National Flower Show, which is to be held in Boston next Spring. A guarantee fund of over $10,000 has been raised, Mechanic's Hall—the finest hall in the city of Boston—has been leased, and a manager and secretary engaged, and everything points to a successful show. The first national flower show was a great success, but the second, which is to be held in Boston next Spring, is the most ambitious project that has ever been attempted in this country; and I believe that every live florist should endeavor to attend this exhibition, as it undoubtedly will be the finest one of flowering plants that has ever been gathered together in the United States at one time. No effort will be spared to make this a magnificent exhibition. Premiums aggregating over $10,000 will be offered. There is no place in the country where such a magnificent collection of plants can be collected as in the vicinity of Boston; and I ask the hearty support of every member of the national organization to make this exhibition a red letter day in the annals of horticulture in this country.

The Trade Exhibit

I have to congratulate the Society on the splendid exhibition in Convention Hall at this time. The value of these trade exhibits to the Society cannot be over-estimated as they are of great educational as well as financial benefit. I want to express to the Chamber of Commerce of the city of Rochester at this time, on behalf of the Society of American Florists, our appreciation of the magnificent building which has been tendered to us without cost to the Society. I think you will all agree with me that we have never had finer facilities at any of our conventions.

I wish, also, to congratulate the Society on the splendid attendance at this convention. The vice-presidents should be commended for the splendid work that they have done in bringing here such a large representation as we see here today.

In conclusion, let me urge every member of the Society to feel that our future success depends not so much upon the officers elected from time to time as upon the individual effort of each member. Looking back over the last twenty-five years of horticulture in this country, one cannot help but feel proud of the progress that has been made in our profession; and amidst such auspicious surroundings as we find ourselves today, we should be inspired to greater effort, that the history of the next quarter century may record even greater progress.

Secretary Dorner's Report

Secretary H. B. Dorner then presented his report, as follows:

The books and other properties pertaining to the secretary's office were turned over by the outgoing secretary early in January. Much commendation is due Mr. Rudd for the excellent and simple system he devised for the keeping of accounts and records. It is only by a careful examination of these that one can fully appreciate the thought and labor put into the work.

Condition of Finances

The finances of the Society are steadily improving. The permanent or life membership fund, at August 1, had reached the sum of $8,313.50 and to this amount will be added $125 for five new life memberships which have been received since that date. A full financial statement is given separately.

Membership Increasing

It is also gratifying to note that the membership is gradually increasing. In 1908 the membership of the Society was 889 at the end of the year. In 1909 this had increased to 995. Up to August 10, 1910, the paid-up memberships number 825 which, with those who pay their dues during the convention week and the new members joining at this time, promises to surpass all records.

New Members

The number of new members added to the roll to date is 77. Four of these came in as life members. The secretary sent out, with most of the receipts, a request that each member make an effort to secure at least one new member. In reply to this four or five names were sent in. Few realize that if each member made an effort and secured at least one addition to the roll the membership would be almost 2000 at the present time instead of 995. Many plans have been devised for increasing our numbers, yet how many members have made a determined effort to convince their neighbors that they should belong to the S. A. F.

Payment of Dues

Many members overlook the fact that dues are payable on the first day of January and a failure to pay them at this time calls for a second notice. This is not only additional work for the secretary but is an extra expense to the Society. This money could be well used in efforts to secure new members.

Trade Exhibition

The trade exhibition of 1909 was a success in every way, being a great improvement over former exhibits. After all bills and the superintendent's commission were paid, a profit of $629.15 remained in the Society's treasury. During the present year several changes were made in the rules governing the exhibition, principal among which were the increasing of the rates and the limiting of all signs to black lettering upon a white ground. This latter change has done much to make the exhibits more attractive.

Investment of Permanent Fund

Following the instructions of the Society, $7500 of the permanent fund has been invested by the executive board. This investment is in the form of two loans, one of $6000 and the other of $1500, secured by mortgages on properties located in Fort Wayne, Ind. These securities bear interest at 5 per cent.

State Vice-Presidents

Many of the State vice-presidents made quite an effort to secure new members. Many letters were sent out but these were not as effective as desired, due to the fact that they are easily laid aside and forgotten. The following State vice-presidents have sent in new members:

E. Allan Peirce, Waltham, Mass., 1 life, 15 annual.
Geo. B. Hart, Rochester, N. Y., 10 annual.
Alex. Millar, Dallas, Tex., 1 life, 5 annual.
Fred. Holton, Milwaukee, Wis., 2 annual.
Otto Koenig, St. Louis, Mo., 2 annual.

The following members also deserve credit: W. L. Kellar and Albert Sunderbruch each sent 3; F. H. Traendly and L. H. Butts each sent 2; Jacob Becker, E. Dailledouze, A. F. J. Baur, F. P. Avery and E. H. Cushman each sent 1. W. J. Stewart sent in one life member.

Medals

Medals have been awarded during the past year as follows:

Bronze medal: F. R. Pierson Co., for Fern Nephrolepis elegantissima compacta, offered at St. Louis, 1909.

Silver medal: Cottage Gardens Co., for Carnation Mrs. C. W. Ward, offered through the American Carnation Society at their annual exhibition held at Pittsburg, Jan., 1910.

Bronze medal: Cottage Gardens Co., for Carnation Alma Ward, offered through the American Carnation Society at their annual exhibition held at Pittsburg, Jan., 1910.

Plant Registration

New plant names have been registered since last report as follows:

No. 414.—Aug. 13, 1909.—Odontoglossum crispum, variety E. B. Baum, by Julius Roehrs Co., Rutherford, N. J.

No. 415.—Aug. 13, 1909.—Canna, New Chicago, by Vaughan's Seed Store, Chicago, Ill.
No. 416.—Aug. 27, 1909.—Geranium, Red Wing, by F. H. DeWitt & Co., Wooster, Ohio.
No. 417.—Aug. 27, 1909, Nephrolepis Pruessneri, by J. D. Pruessner, Galveston, Texas.
No. 418.—Aug. 27, 1909.—Nephrolepis Galvestoni, by J. D. Pruessner, Galveston, Texas.
No. 419.—Sept. 10, 1909.—Berberis Thunbergii, Silver Beauty, by M. J. Van Leeuwen, Franklin, Mass.
No. 420.—Sept. 18, 1909.—Rose Climbing Killarney, by Alex. Montgomery, Natick, Mass.
No. 421.—Oct. 8, 1909.—Canna Multiflora, by Vaughan's Seed Store, Chicago, Ill.
No. 422.—Oct. 15, 1909.—Rose Priscilla, by Peter Henderson & Co., New York.
No. 423.—Oct. 15, 1909.—Rose Abundance, by Peter Henderson & Co., New York.
No. 424.—Oct. 15, 1909.—Adiantum Roedderii, by Alfred Roedder, Shorb, Cal.
No. 425.—Oct. 30, 1909.—Chrysanthemum Mrs. Jane Cockburn, by S. Cockburn & Sons, Woodlawn, N. Y. City.
No. 426.—Nov. 20, 1909.—Canna Halley's Comet.
No. 427.—Nov. 20, 1909.—Canna Mrs. Alfred Conard.
No. 428.—Nov. 20, 1909.—Canna Mrs. Carl Kelsey; all by Conard & Jones Co., West Grove, Pa.
No. 429.—Jan. 22, 1910.—Rose Alice of Ingleside, by S. C. Briggs, Washington, D. C.
No. 430.—Feb. 26, 1910.—Begonia Glory of Cincinnati, by J. A. Peterson, Cincinnati, Ohio.
No. 431.—March 5, 1910.—Rose Wm. R. Smith, by Conard & Jones Co., West Grove, Pa.
No. 432.—May 7, 1910.—Violet Marie Elise, by Thomas DeVoy's Son, Poughkeepsie, N. Y.
No. 433.—May 28, 1910.—Nephrolepis Roosevelt, by American Rose and Plant Co., Springfield, Ohio.
No. 434.—June 11, 1910.—Rose Red Killarney; and
No. 435.—July 7, 1910.—Rose Dark Pink Killarney; and
No. 436.—July 7, 1910.—Rose Lady Cromwell, all by A. N. Pierson, Inc., Cromwell, Conn.
No. 437.—July 7, 1910.—Rose Purity, by Hoopes Bros. and Thomas Co., West Chester, Pa.
No. 438.—July 14, 1910.—Nephrolepis Dreyerii, by Kessler Bros. and G. Dreyer, Woodside, L. I.
No. 439.—Aug. 4, 1910.—Carnation Christmas Cheer, by Henry Eichholz, Waynesboro, Pa.

Necrology

Since the last report three members have died.

Nov., 1909.—Albert Richfar, Richmond, Ky.
May 3, 1910.—Wm. E. Hall, Clyde, Ohio.
June 14, 1910.—Dr. L. L. Lamborn, Alliance, Ohio.

On April 8, 1910, occured the death of Mrs. W. J. Vesey, the wife of W. J. Vesey of Fort Wayne, Ind. In Mrs. Vesey's death the Ladies' Society of American Florists lost one of its best workers and the florists of the country one of their best friends.

Trade Press

The members of the trade press have continued to give the Society their cordial support. The thanks of the Society is also due them for the complimentary copies of their publications sent for use in the office of the secretary.

Aid of the Society

It should be borne in mind that the S. A. F. & O. H. is for the good of its members and that the secretary is its chief clerk. Information regarding express troubles, questions regarding rates, legislation, etc., if sent to the secretary, will be placed in the hands of the proper committees for action. Such data as this will give a firmer working basis in their investigations. The Society can best help you when your wants are made known. The secretary will always be ready to give all the aid possible or else refer your troubes to others who may be of help to you.

In closing, I wish to tender my heartfelt thanks to those friends who have given me so freely of their time and assistance and who, by their advice, have helped make my work both easier and better.

The secretary followed the reading of his report with a reading of the minutes of the meetings of the executive committee, which were, upon motion, approved, with the exception of the portion referring to an appropriation to the National Council of Horticulture, a question it was decided to discuss at Wednesday morning's session.

Secretary Dorner submitted a report for the year ending December 31, 1909, showing total receipts by him of $5671.38, and duly handed over to treasurer. Receipts since January 1 to August 10, 1910, were $2791.50.

Treasurer's Report

Treasurer Wm. F. Kasting at this stage read his report covering the period from June 1 to Aug. 10, 1910. The permanent or life membership fund amounts to $8313.50; the general fund to $6171.89, from which disbursements of $1321.39 had been made, leaving a balance available of $4850.50. The statement shows, in all, a total of $13,164.00 to the Society's credit.

Other Reports

On motion the report was referred to an auditing committee, which the president appointed as follows: C. L. Washburn, Chicago, A. L. Miller, New York, and Joseph Heacock, Wyncote, Pa.

The reports of the State vice-presidents were presented and were, on motion of Mr. O'Mara, referred to a committee to be appointed, for report later. The president appointed as such committee W. B. Du Rie, F. H. Traendly and Benjamin Hammond.

The report of the entomologist, Dr. S. A. Forbes, was presented through his assistant, Prof. J. J. Davis, and was, on motion, accepted.

Secretary Dorner announced that the report of the botanist, would be presented during Wednesday morning's session.

Prof. Wetzel, the pathologist, announced that he would be in attendance through the sessions of the convention and would be pleased to discuss plant diseases with all florists who cared to bring them to his notice, and to arrange for taking up special studies of them at Cornell University.

John Westcott, chairman of sports, then detailed the arrangements made for the sporting events of the convention.

The report of the committee on the national flower show was referred to Wednesday's session, when Mr. Farquhar was to treat of the subject in a paper.

Mr. O'Mara, for the committee on tariff and legislation, then made a lengthy report, detailing the work of his committee in the various subjects allotted to it, and especially in regard to the question of the high prices of glass, a question which the committee had been unable to solve. On motion of Irwin Bertermann the report was accepted and held for later discussion.

The President's Reception

The president's reception on Tuesday evening at the Seneca Hotel was well attended. The spacious ball room of the hotel was used for the occasion and an excellent orchestra rendered a splendid musical selection. In the receiving line were President Pierson, ex-Presidents Robert Craig and James Dean and Vice-President F. W. Vick. After formalities had been gone through, dancing was indulged in, a buffet supper winding up a most pleasant occasion. A feature of the affair was the delightful informality.



Richard Vincent, Jr.

Vice-President-Elect of the S. A. F. & O. H.

Second Day—Wednesday

Morning Session

The convention was called to order a few minutes after 10 a.m. Secretary Dorner read a letter from Ellwanger & Barry inviting all attending the convention to visit their grounds. He also read an invitation from Mrs. Thompson, Sonnenberg, Canandaigua, to visit her estate, said to be one of the finest in the country. The secretary then supplemented his report made on Tuesday with some additional facts concerning the membership. Since August 10 there had been added to the list 242 members, making a total of 1067.

Edward D. Boyer, cement expert of the Atlas Portland Cement Co., then read a paper on "The Use of Cement, with Special Reference to Greenhouse Construction." A lengthy discusion ensued. The paper, with a report of the discussion, will appear in a later issue.

Baltimore the Next Place of Meeting

Selection of next place of meeting was then in order. Secretary Dorner announced that he had received several letters of invitation from Chambers of Commerce and other bodies, to most of which he had replied that no invitation could be considered which had not the endorsement of a local florists' organization. Invitations from the St. Louis Florists' Club, the Montreal Florists' Club, the Chicago Florists' Club and the Gardeners and Florists' Club of Baltimore obtained the serious consideration of the Society and the last two reached the ballot point.

N. F. Flitton championed the claim of Baltimore. He not only described the geographical advantages of the monumental city, but tickled the palates of those who were to cast votes with promises of soft-shelled crabs—"A bushel to each visitor," Maryland terrapin and other dishes for which Baltimore is famous. Richard Vincent, Jr., of White Marsh, Md., told of the support to be lent by prominent people, including the Governor of the State, Mayor and various trade bodies. An armory, furnishing an exhibition space of four acres, with accommodations for meetings and other purposes, he said, was at the service of the Society free of charge. W. R. Smith and J. R. Freeman of Washington also spoke for Baltimore.

August Pochlmann ably presented the claims of Chicago and produced ample evidence of support. He was aided in his presentation by J. C. Vaughan, J. A. Valentine of Denver, Colo., and Irwin Bertermann of Indianapolis.

President Pierson appointed as tellers in the election, R. A. Vincent of White Marsh, Md., and J. F. Ammann of Edwardsville, Ill. The result of the ballot was in favor of Baltimore, with a vote of 180 to 135.

Wednesday Afternoon Session

The Auditing Committee presented its report covering the reports of the secretary and treasurer, which, upon motion, was accepted and placed on file. The report of the committee having in charge the consideration of the reports of the State vice-presidents was presented by W. B. Du Rie of Rahway, N. J. It was to the effect that the different reports had been compiled with considerable care and showed floricultural interests to be in excellent shape throughout the country. Thirty-one reports had been examined. The report was, on motion, accepted and placed on file. Professor Wetzel of Cornell University, as pathologist, made a verbal report. He detailed what he would like to see done in the direction of plant diseases, and intimated that it was up to the florists to present or suggest work to be done. The investigations, he thought, should be made in the field rather than in the laboratory, and he described some good work which had been done in regard to the rot in Gladiolus bulbs. He thought the results of field work would be of much greater value than a theoretical harangue. He expressed himself as ready to solve the problems of any florist in the way of plant diseases, and suggested that fungous diseases particularly would be well worthy of attention.

Otto Thilow of Philadelphia, the Society's delegate to the National Council of Horticulture, reported the work done by that organization in the dissemination of horticultural information in the public press.

On motion, the report was accepted and filed. A recommendation in the report that the Society make an appropriation toward the Council's work for the coming year was not considered subject to discussion, as the executive committee had recommended an appropriation of $150 for this purpose. A long discussion then took place upon the advisability of coutinuing the assistance given the Council, and finally the committee's recommendation was negatived by a vote of 44 to 31.

The committee on the President's Address, J. A. Valentine, Robert Craig, E. G. Hill, Wm. R. Smith and J. C. Vaughan, then presented its report. The committee endorsed the idea of absorbing kindred societies, and cooperation with other organizations. It also endorsed the proposition to make the directors of the Society elective instead of appointees, and to leave to the board of directors the selection of the secretary. The plan to make the life membership fee $50 instead of $25 as at present did not meet the committee's approval. The report was, upon motion, accepted.

The president announced the result of the ballot covering the next place of meeting, and upon motion of J. C. Vaughan the choice of Baltimore was made unanimous.

Election of Officers

The nomination of officers for 1911 was the next business. Patrick O'Mara nominated for president George Asmus of Chicago, which nomination was seconded by Robert Craig of Philadelphia, Benjamin Hammond of Fishkill, N. Y., and P. J. Foley of Chicago.

Orlando Harrison of Berlin, Md., nominated Richard Vincent, Jr., of White Marsh, Md., for vice-president, and the nomination was seconded by Geo. Morrison of Baltimore.

Wm. F. Kasting of Buffalo nominated H. B. Dorner of Urbana, Ill., for secretary, and J. A. Valentine, and W. W. Coles of Kokomo, Ind., were seconders.

Mr. O'Mara nominated Wm. F. Kasting for treasurer, which nomination was seconded by Benjamin Hammond. With each nomination a motion closing same was made and carried.

The report of the judges on the trade exhibit was then presented, and was as follows:

Report of Judges of Trade Exhibit

Class A

Henry Eichholz, Waynesboro, Pa.—Carnation Christmas Cheer, honorable mention and highly commended as a pot plant.

Geo. Giatras, W. Hoboken, N. J.—Nephrolepis Giatrasii, honorable mention.

Kessler Bros., N. Y. City.—Nephrolepis Dreyerii, honorable mention.

W. A. Manda, So. Orange, N. J.—Polypodium Mandaianum, certificate of merit; Asparagus elongatus, honorable mention; Dracæna Rothiana, highly commended.

T. M. Miller, Jamesville, N. Y.—Seedling Geranium, certificate of merit.

F. R. Pierson Co., Tarrytown, N. Y.—N. Mossii (the Moss Fern), certificate of merit.

Jos. Traudt, Canajoharie, N. Y.—Sweet Alyssum variegated Little Gem, honorable mention.

Class B

H. W. Koerner, Milwaukee, Wis.—Honorable mention for new giant flowering hybrid Gladioli.

Class C

Kroeschell Bros. Co., Chicago, Ill.—Kroeschell threaded tube piping system, highly commended; Kroeschell generator, 1910 model, highly commended; Kroeschell shaking and dumping grate, certificate of merit.

Class D

Wilson-Hoyt Co., New York City.—Steel moulds for concrete greenhouse benches, certificate of merit.

Class E

Lion Co., N. Y. City.—Colonial matched bridal scarfs and invisible velvet shield, highly commended.

M. Rice & Co., Philadelphia, Pa.—Novelties in florists' supplies, honorable mention.

Schloss Bros., N. Y. City.—Novelties in ribbons, etc. highly commended.

Class G

Conard & Jones, West Grove, Pa.—Self-watering flower boxes, honorable mention.

Class C

King Construction Co., No. Towanda, N. Y.—Iron frame boiler house, certificate of merit.

Class A

Robt. Craig Co., Philadelphia, Pa.—Crotons Mrs. Duncan Macaw (seedling), Mrs. W. P. Craig and Soliel d'Or, these three highly commended; Edwin Lonsdale, Paul S. Randolph, also collection on Crotons in 85 varieties, certificates of merit. An exceedingly meritorious exhibit.

Class G

National Clock & Electric Mfg. Co., St. Louis, Mo.—Highly commended for exhibit of thermostatic instruments.

Champion Stemmer & Supply Co., Chatham, N. J.—For stemming Galax and small flowers, highly commended.

Non-Breakable Flower Vase Co., Washington, D. C.—Non-breakable vase and combination vase and pedestal, honorable mention.

Wednesday Evening Session

The session opened at 8.30 and James L. Cowles, secretary-treasurer of the Postal Progress League made an exhaustive address in support of the Sulzer Bill, now pending in Congress, looking to the establishment of a parcel post in this country. Mr. Cowle's remarks were listened to with the greatest of attention and upon closing he was vigorously applauded.

Patrick O'Mara of New York followed with a masterly address in which he reviewed the postal conditions as they exist today, and especially as they affect the florists' trade. Upon concluding he presented the following resolutions, which were carried unanimously:

Resolved, That the Post Office is our Mutual Transportation Co.; that its only limit should be the capacity of our transporting machinery and that its rates should be determined by the cost of the service rendered.

Resolved, That all candidates for public employment as members of the United States Senate and House of Representatives should be pledged to the widest possible extension of the Post Office, and its most efficient and economical administration.

Resolved, That the members of the 61st Congress, responsible for the continued limitation of our domestic postal express to 4 lbs. parcels of unsealed merchandise at 16c. per lb., while protecting foreigners in posting their merchandise throughout the U. S., to wit: Italians, 11 lbs. at .79c.; Germans, 11 lbs. at .81c.; Austrians, 11 lbs. at 86c., should be overwhelmingly defeated as candidates for re-election this Fall.

Resolved, That the conservative Postal Progress League Bill, known as the Sulzer Bill, House of Representatives, No. 26581, representing the demands of the friends of the Post Office as set forth at the recent Parcels Post hearings at Washington, should be enacted into law at the opening of the coming session of Congress, viz.:

A Bill [by Mr. Sulzer; H. R. 26581] to reduce postal rates, to improve the postal service, and to increase postal revenues.

Be it enacted, etc., That the common weight limit of the domestic postal service of the United States is hereby increased to 11 pounds, the common limit of the Universal Postal Union, and that in the general business of the post-office the 1 cent an ounce rate on general merchandise—fourth-class mail matter—be, and is hereby, reduced to the third-class rate, 1 cent for each 2 ounces or fraction thereof.

Sec. 2. That the rate on local letters or sealed parcels posted for delivery within the free-delivery services is hereby determined at 2 cents on parcels up to 4 ounces, 1 cent on each additional 2 ounces; at non-delivery offices, 1 cent for each 2 ounces.

Sec. 3. That all mail matter collected and delivered within the different rural routes of the United States is hereby determined to be in one class, with rates, door to door, between the different houses and places of business and the post office or post-offices on each route, as follows: On parcels up to one twenty-fourth of a cubic foot, or 1 by 6 by 12 inches in dimensions and up to 1 pound in weight, 1 cent; on larger parcels up to one-half a cubic foot, or 6 by 12 by 12 inches in dimensions and up to 11 pounds in weight, 5 cents; on larger parcels up to 1 cubic foot, 6 by 12 by 24 inches in dimensions and up to 25 pounds in weight, 10 cents. No parcels shall be over 6 feet in length and in no case shall a carrier be obliged to transport a load of over 500 pounds.

Sec. 4. That on all unregistered prepaid mail matter without declared value an indemnity up to $10 shall be paid by the Post-Office Department for such actual loss or damage as may occur through the fault of the postal service, and this without extra charge. Certificates of posting shall be provided on demand. On registered parcels of declared value, and on which the fee for registration, insurance, and postage has been duly prepaid, the Post-Office Department shall pay the full value of any direct loss or damage that may occur through the fault of the postal service. The fee for insurance and registration shall be as follows: For registration and insurance up to $50, 10 cents; for each additional $50, 2 cents. No claim for compensation will be admitted if not presented within one year after the parcel is posted.

Sec. 5. That all acts and parts of acts inconsistent with this act are hereby repealed.

Sec. 6. That this act shall take effect six months from and after the date of approval thereof.

The L. S. A. F. Reception

The Ladies' Society of American Florists tendered a reception to its members and to the members of the S. A. F. & O. H. on Wednesday evening at the Seneca Hotel and the affair was one of the bright features of the convention. The attendance was very large—so much so that the large ball room of the hotel was crowded to its fullest capacity. The entertainment was provided almost wholly by the members and their families. Miss Fulmer of Des Moines, Ia., rendered charming vocal selections and Miss Vera Poehlmann, daughter of Adolph Poehlmann of Morton Grove, Ill., gave some excellent recitations. Miss Virginia Poehlmann executed a French dance, known as "The Wild Bird Dance." Dancing was a prominent feature of the evening. Suitable refreshments were served and the evening was much enjoyed; the hour was late before the company dispersed.



Wm. F. Kasting
Re-elected Treasurer of the S. A. F. & O. H.

Third Day—Thursday

Meetings of six allied societies were on the program to be held before 11.30 a.m., and, as one member expressed it, the endeavor to keep track of them all was like watching a three-ring circus.

The morning session was called to order at noon precisely, F. R. Pierson in the chair. On behalf of the retailers' section, J. A. Valentine reported that it had done considerable preliminary work in addition to the meetings previously reported by The Florists' Exchange. A session had just been held that (Thursday) morning, which had adjourned to meet again in the afternoon.

President F. R. Pierson read an invitation from James Vick's Sons to the delegates to join a special excursion to visit their seed farm on Friday morning.

The action of the executive committee, turning over of the $400 received from the National Flower Show fund of 1908 to the present National Flower Show commitee, was confirmed.

A report on the 1911 National Flower Show was read by Mr. Farquhar, who detailed the progress and work done to date, the greater part of which information has already appeared in these columns. The Mechanics' Hall, Boston, contained 125,000 square feet of space. A commercial exhibition will be a great feature. The manager, Mr. Campbell, has already sold nearly 6000 feet of the most desirable space. It will be the most favorable time for popular attendance and the greatest horticultural event in the history of the country. The speaker expressed his belief that the commercial exhibit will far surpass any heretofore held. The Massachusetts Horticultural Society will take a prominent part in assisting with their gold and silver medals, the loan of vases, etc., to the extent of about $2000 in value. It has also foregone its own Spring exhibition. Mr. Farquhar recommended that the S. A. F. hold a special convention at that time to enable us to obtain special rate from the railroad. For his paper, Mr. Farquhar obtained a vote of thanks.

Mr. Valentine offered resolution that when the S. A. F. convention adjourned at Rochester it shall reconvene in Boston, March 26, 1911. Unanimously carried.

The election of officers was the next business, and as there was but one nomination for each office, the secretary was ordered to cast one ballot for president, vice-president, and treasurer, while W. J. Stewart, cast one vote for secretary, the result being declared as follows: For president, Geo. Asmus, Chicago; for vice-president, R. Vincent, Jr., White Marsh, Md.; while Secretary Dorner and Treasurer Kasting were declared re-elected.

The next business engaging attention was that of the proposed amendments to constitution and by-laws. P. O'Mara made vigorous protest in opposition, stating he saw no reason to change and no good to accrue to the Society therefrom. Mr. O'Mara was supported by Jas. Dean and Mr. Ball, and Mr. Stewart moved their indefinite postponement. W. R. Smith made the point that the amendments were a purely democratic proposition in unison with the U. S. form of government; it was not his proposition but he accepted it. It was the best improvement offered since the National charter was obtained.

Upon being put to the meeting, Mr. Stewart's motion was carried. The amendment to Article 3, being dependent upon Article 2, was also killed.

The amendment to Article 5, providing for a change of date in the annual meeting, caused considerable discussion. Mr. O'Mara thought the fixity of date a benefit to the city inviting the convention, and this opinion was shared by W. F. Kasting. Mr. O'Mara called for the result of the secretary's call for a postal card vote on the subject, and 238 yeas as against 369 nays were reported, with 8 replies expressing indifference.

J. A. Valentine put himself on record as a strong advocate of a Spring convention, and expressed a wish to see all the societies affiliated. He thought it might be a good plan to try a Summer meeting. He moved that the amendment be laid on the table for one year, which motion was seconded by Mr. O'Mara and carried.

The amendment to Article 4, changing the life membership fee from $25 to $50, was, on motion of Joseph Heacock, indefinitely postponed.

A resolution by Vice-President F. W. Vick was offered, pledging the indorsement and support of the Society to an effort to be made by the New York Florists' Club next Fall to obtain from the State of New York an appropriation of $50,000 with which to build greenhouses at Cornell University for floricultural experiment work, was carried unanimously, and copies of the resolutions were ordered to be sent to the State legislators.

The President appointed W. F. Sheridan, J. K. M. L. Farquhar and Patrick Welsh a committee on final resolutions.

President-elect Asmus was escorted to the chair and made a cheerful speech, expressive of the honor he felt on his election to his high office.

Vice-President-elect Vincent was also conducted to the platform and suitably acknowledged the compliment of his election to office.

Treasurer Kasting was also given the opportunity of expressing his feelings of pleasure at being regularly nominated and elected to his office; his former occupancy, he said, was like soup without salt.

The convention then adjourned until 8 o'clock in the evening.

Retailers' Section

A meeting of this Section was held on Thursday morning. J. A. Valentine called meeting to order and spoke of the desirability of united action with a view to the betterment of the members through the handling of telegraphic orders between cities and their relation to the S. A. F. membership in the one being contingent on membership in the other. Mr. Elvidge, of the International Floral Association, addressed the meeting at length, dwelling upon the advantages of his connections with florists in foreign countries and of his proposed publicity plans, without which system, conducted on a business basis by a business man, no great successes could be achieved. The meeting was postponed until Thursday afternoon owing to calling of meeting of general convention.

NEW YORK.—Friends of Jno. V. and Mrs. Phillips will regret to learn that on account of the indisposition of the former they were compelled to leave the convention meeting at Rochester which they had been attending, on the Wednesday morning.

The Exhibition

ADVANCE CO., Richmond, Ind.—Display of ventilating apparatus and greenhouse fittings of every description. A section of a greenhouse exhibited by them was used to show to advantage many of the products of this firm. In charge of Jas. E. Jones.

ANDERSON, F. A., Buffalo, N. Y.—This well known grower exhibited many plants of Begonia Lorraine, which showed his usual standard. The plants were strong, thrifty and vigorous. Also made a display of Anderson's Velvet Poinsettias which have become quite popular during the Christmas season. The entire exhibit was sold.

APELT, CHARLES, Comfort, Texas.—Shells of the Armadillo, a novelty which has become quite popular with florists as receptacles for cut flowers, plants, etc., and also useful as ladies' work baskets. Another feature offered was the metalized horned toad, in many colors.

BALL, CHAS. D., Holmesburg, Pa.—Displayed a fine collection of decorative and specimen Palms, including Kentias of various sizes, Latania Borbonica, Phœnix Roebelenii, and others, all of which were of good color and perfectly clean. Mr. Ball makes a specialty of growing Palms for every occasion.

BALL, LEMUEL, Wissinoming, Pa.—A tasty exhibit of choice decorative plants, which included many varieties and sizes of Palms, Dracænas, Crotons, etc., all of which showed good culture and uniformity of color.

BANNING, FRANK, Kinsman, Ohio.—Had on exhibition some vases of his famous "Niagara" Gladioli. Mr. Banning is a specialist in Gladioli production, and has become prominent in many exhibitions for his displays of these flowers.

BAYERSDORFER, H., & CO., Philadelphia, Pa.—This firm had the largest exhibit of florists' supplies in the entire convention. A special feature was the new colorings in plant and cut flower baskets. A specialty in Imperial chinaware for table decorations was much admired. Another feature was the imported wreaths, especially "Waldkreuse" stock. Tone ware, for which the firm is sole distributor in the United States and Canada, had a prominent place in the exhibit. Prepared natural Ferns, Orchids in natural shades, recently imported by the firm, showed a wise choice, as the sales of these were reported very large. Dainty chinaware effects for many purposes were shown, as well as chiffons, prepared Cycas leaves, gold letter words, Christmas novelties, sprinklers, lace paper bouquet holders, wire sticks, X L renowned Wheat sheaves in many designs, Immortelle wreaths, crepe paper, mats, Birch bark and other retail florists' necessities. The firm's claim to being the largest importers and manufacturers of baskets in the world was fully demonstrated by the most complete exhibit of its kind ever seen at a convention. As a souvenir the firm presented visitors with a china chanticleer.

BINLEY THE FLORIST, Glen Falls, N. Y.—A display of wooden cut flower holders, a useful device when shipping; it holds flowers firmly in pasteboard or other boxes and prevents bruising and other mishaps. In charge of Mr. Binley.

BEAVEN, E. A., Evergreen, Ala.—Showed his Moss known as the Fadeless Green Sheet Moss, which is chemically treated and useful for floor coverings, design work, conservatory use, hanging haskets, etc., and is practically indestructible. This Moss is handled in bags containing 100 sq. ft. Wild Smilax and Log Mosses are other specialties also handled by Mr. Beaven.

BLAKE, B. S., & SON, Rochester, N. Y.—A lock ring clip, a device useful as a stake holder for Roses and Chrysanthemums. It is an uptodate article, just patented, a great labor saver and indestructible, locking on the running wire and never removed. It is a device which every grower will find to his advantage to investigate.

BOAS, WM. J., & CO., Philadelphia, Pa.—This firm, manufacturers of square lock flower boxes, had a display of its products in the gallery. A new special feature of the company's offerings was a patent unseen locking violet, and other boxes, and efforts are now under way to so perfect this in box and cover as to make it the best article of its kind on the market. Mr. Jas. F. Smith, who was demonstrating the improvement, was well satisfied with the prospects of a big demand for this box.

BOBBINK & ATKINS, Rutherford, N. J.—Exhibited a grand showing of Palms in tubs, Ferns, Dracenas, Araucarias, etc., also made a display of Thuyas, Retinisporas, Junipers and other evergreens, comprising fifty varieties; these were much admired and contained several rare varieties. Victor Morgan in charge.

BODDINGTON, A. T., New York City.—A fine display of imported bulbs, including Lilium Jamesii, L. Harrisii "Quality," L. Speciosum Melpomene (cold storage), Narcissus Paperwhites, northern grown Roman Hyacinths, Freesias, etc. Also canes of Dracæna terminalis, Mushroom Spawn, Insecticides, Palm Seed, Lily of the Valley, cold storage pips, as well as headquarters for Christmas Flowering Sweet Peas.

BRAGUE, L. B., & SON, Hinsdale, Mass.—A line of hardy Dagger and other Ferns.

BROWN, E. C., & CO., Rochester, N. Y.—A fine display of spray machinery, this firm being the largest exclusive manufacturers of such in America. The exhibit included compressed air pumps for every purpose.

BROWN BROS. CO., Rochester, N. Y.—Exhibited many varieties of evergreens in pots, Hydrangeas of every variety were also shown in bloom, giving a general idea of the stock of this plant carried by the firm. H. P. Roses, Rhododendrons, Catalpas, and many other varieties of ornamentals were also in evidence.

BURLINGTON WILLOW WARE SHOPS, Burlington, Ia.—This firm manufactures exclusively a full line of art and craft baskets of which some four to five thousand different numbers are carried in stock. The baskets are made of the whole Willow and stained to match various colors of flowers. The shape enters, considerably into the firm's efforts, and pamphlets, printed in six colors, showing the actual basket, can be had by sending for same. Exhibit in charge of Arthur Schwerin.

CARBONE, PHILIP L., Boston, Mass.—An importer, florist and decorator, who showed many useful novelties in general china effects. A special feature was the several pieces of chinaware which, when placed, can be so decorated on a table as to represent a Japanese garden. There was also exhibited a line of terra cotta ware, and fancy baskets. In charge of S. Gerard Smith and T. M. H. Spears.

CHILDS, JOHN LEWIS, Floral Park, N. Y.—An extensive showing of Gladioli, which was awarded the silver cup given by Geo. B. Hart, for the exhibit containing the largest number of named varieties. Many exquisite varieties were seen, as well as several of the older kinds. America, Mrs. Wm. Bird, Brilliant, Contrast, Attraction, Middleboro, Taconic, Portland, Cardinal, Lydia, Mayor, Kate, Dawn, Glowing Coal, Spot, Lizzie, Saratoga, Little Blush, Alaska, L. S. Hendrickson, Capt. C. B. Tanner, Aline, Blanche, Emma Thursby, Canary Bird, Sulphur King, Octoroon, are varieties which every florist would do well to look into. The size of individual florets was a feature of this exhibit, showing good culture, clean stock, and other points which helped to win the cup. Many inquiries from the public, which freely admired the entire display, speaks volumes for the tasty manner in which it was put up, and reflects credit on L. S. Hendrickson, manager of the wholesale department. Mr. Childs has long made a specialty in this line and his efforts will be rewarded in eventually securing about the best list of varieties obtainable.

CLIMAX MFG. CO., Castorland, N. Y.—Florists' boxes. One of the special products is the improved lock corner, used on the cut flower, design, or shipping boxes. All boxes are made on die cutting presses, and style of locking does not allow corners to unhook or the hooks to interfere with each other. Exhibit in charge of E. F. Kennon, who has the N. Y. and Penn. territory; J. Brunner, representing the New England offices, and S. L. Hersey, manager and president of the company.

CONARD & JONES CO., West Grove, Pa.—The firm's well known self-watering window box which is becoming more popular every year. This galvanized iron box is made in all sizes and is useful inside or outside of windows. Its advantages are many, enabling one to fill receptacle with water and leaving it to do its duty while owner is away from home. Where these boxes have been in use they have been found very satisfactory. C. A. Wooley, secretary of the Illinois Heater and Mfg. Co. of Chicago, whose firm manufactures these self-watering boxes, was on hand using his efforts in a good way to push the sales of this article. Robert Pyle also assisted him in his endeavors with the window box, as well as showing visitors a line of Roses and Shrubs, all of which were up to the firm's usual standard.

COWEE, ARTHUR, Berlin, N. Y.—A very creditable display of cut Gladioli which included many notable varieties. Among these were to be found many seedlings which showed good substance. A wonderful range of color, particularly in light shades, was seen on this exhibitor's tables, showing the Gladioli to be useful for many purposes. As a specialist in this line Mr. Cowee has made great strides in his developments, as is evidenced by the superb showing of his products from Meadowvale Farm. Mr. Cowee was personally in charge.

CRAIG CO., ROBT., Philadelphia, Pa.—A most creditable exhibit of its products, which included a full line of Crotons, Ferns, Palms, Ficus Pandurata, Cyclamens, Begonia Gloire de Lorraine, Pandanus utilis, Dracænas, Adiantums, etc. The display of Crotons was the largest ever made at any convention and created a surprise among the visitors. The colorings in these plants were superb, and spoke volumes for the care and attention given to the growing of them. The firm has for years been gradually increasing its holdings in Crotons until now it has, perhaps, the largest stock in the country; eighty-five varieties were exhibited this year. Nephrolepis Harrisii, grown and exhibited by the concern, showed up well, its crinkly fronds making it quite attractive. Areca lutescens was also shown in various sizes as well as many of the newer introductions of Nephrolepis, not forgetting N. Scottii, of which the firm grows many thousands. The exhibit was in charge of Wm. Craig and Duncan McCaw. The entire exhibit was sold to J. B. Keller's Sons of Rochester, N. Y.

CROWL FERN CO., Millington, Mass.—This exhibit was in charge of E. W. Vineca, manager, and consisted of a display of hardy cut Ferns, Galax Leaves, etc. A special feature was the Laurel roping and wreaths and sprays for which the firm is constantly receiving large orders to ship to distant points. Quality is the first consideration of this firm when filling orders.

DREER, HENRY A., INC., Philadelphia, Pa.—A very elaborate display of Ferns, Palms and general decorative plants, besides a separate exhibit of Gladioli and Asters and bulbs of every description, also of the Peerless Glazing Points, of which they are sole manufacturers, marked this exhibit. The cut flowers were admirably set up and comprised many prominent varieties. In the Gladioli section were such varieties as Henri Lemoine, Rosella, Heliotrope, America, Sulphur King, Charlemagne, Gold Medal Light Mixture, a vase of which showed up in perfect condition. In Asters were noted Dreer's Superb Late Branching Deep Purple; Pink Beauty, a superb pink, which was highly commented upon; Purity, Dreer's select strain; Daybreak Branching, a pure white; Lavender Gem, White Fleece, Rich Crimson, all of which were of good size and representative. In bulbs the showing was very large and covered a wide range, including Tulips, Roman and Dutch Hyacinths, Freesias, Spanish Iris, Narcissus, Lilium Longiflorium and many others. In decorative plants the firm had the largest exhibit in the hall. Palms of every description were shown from 12 ft. Kentias down to the smallest of table Ferns. Phœnix Roebelenii in tubs, perfect specimens, were a special feature, Ficus Pandurata, Cocos Weddeliana, and many varieties of the newer Nephrolepis were exhibited. In the table Ferns the display was complete and contained practically every known variety. Foliage Plants, including Crotons, Aspidistras, Pandanus, Ficus Elastica, Curmerias and many others were tastefully arranged, reflecting credit on the man in charge, Mr. Jos. J. Goudy. Dreer's new style hose "Riverton," and many sizes of plant tubs were also part of the exhibit.

EBLE, CHAS., New Orleans, La.—An exceptional lot of well grown Phœnix Roebelenii of various sizes, in tubs, which for uniformity of growth, color and gracefulness were hardly excelled at this exhibition.

EICHHOLZ, HENRY, Waynesboro, Pa.—The introducer and originator of the new pot Carnation Christmas Cheer, had some plants of this on exhibition. It bears brilliant scarlet flowers, easy to grow, plants bearing as many as 100 blooms in a season, and can be had in bloom easily at Christmas. It makes an ideal pot plant and was awarded a special certificate of merit by the Maryland Hort. Society at its Baltimore exhibition last year.

ELLWANGER & BARRY, Rochester, N. Y.—This firm made the most complete exhibit of evergreens at the convention. It included all the well known varieties besides many of the more rare ones. Box trees, Japan Maples grown in tubs, enabling them to be shipped and planted any time during the year, and many kinds of fruit trees and ornamental shrubs as well as florists' forcing H. P. Roses and Climbers were also shown. The firm's catalog was in good demand and all the stock shown was typical of its justly celebrated products.

ELVERSON POTTERY CO., W. H., New Brighton, Pa.—Exhibit of flowerpots of all sizes and shapes. This firm also specializes on lawn vases. As souvenirs the company distributed a miniature standard pot, the exhibit being in charge of W. H. Elverson. The special porch pots were decorated with a roll rim and bands. A new feature was the special inset pot for spun brass jardinieres. A full line of Orchid pots, bulb pans, saucers and Azalea pots, is also carried by the firm.

FARQUHAR & CO., R. & J., Boston, Mass.—A creditable display of Tulips, Hyacinths, Narcissus, Crocus and other bulbs in separate and named varieties. These bulbs were of good quality and large size.

FOLEY MFG. CO., THE, Chicago, Ill.—Exhibit of a section of a greenhouse showing ventilating apparatus as well as several forms of greenhouse construction, including their new methods of fastening bars, purlins and posts.

GARLAND CO., GEO. M., Des Plaines, Ill.—This firm showed Garland's handy truck, a vehicle useful to every florist and nurseryman. A miniature greenhouse was also used to show the ice clearing and drip proof header, also the trussed iron frame construction, Garland gutter, cement post mould, and wiring frame used for stringing wire on Carnation benches, which can be clamped on either wooden or cement benches. The firm also has a dirt conveyancer used for emptying or filling benches. Exhibit in charge of H. S. Garland and E. J. Maynard.

GIATRAS, GEO. W., Hoboken, N. Y.—Exhibited his new Fern Nephrolepis Giatrasii, a type of Bostoniensis, valuable in many ways to the florists' trade.

HAMMOND, BENJ., Fishkill-on-Hudson, N. Y.—Exhibition of Greenhouse Paints, Slug Shot, Bordeaux Mixture, Glazing Putty, Tobacco Extracts, and all the Hammond products. Specialties were offered in Pure Dough Putty, an absolutely pure product; Greenhouse White Paint and Liquid Putty. Fungicides of all descriptions were also shown. "Quality" is the main objective point aimed at in this firm's products.

HARRISON, J. G., & SONS, Berlin, Md.—This firm, which is well known for its thousands of Privet plants, had an exhibition of its products which consisted of California Privet of various sizes, Colorado Blue Spruce, Berberis Thunbergii, and several varieties of fruit trees of which the firm grows millions on its 2000 acre tract. The vigorous growth made by the firm's products is shown in the shrubs exhibited. Ornamental trees are also a prominent feature of this firm's exhibit.

HART, GEO. B., Rochester, N. Y.—Mr. Hart, who is a wholesale florist, had a very extensive display of florists' supplies in the gallery, which included hampers for use in delivering designs in Midwinter, doing away with the otherwise necessary wrapping; baskets of many descriptions and for every purpose, wire designs, angle extension stands, Hart's handy handle, useful as a pot decorator, prepared foliage and many other retail florists' necessities. Mr. Hart's exhibit was a beautiful vase of an unnamed Gladiolus, grown by a local florist, which was remarkable for its delicate cream color, length of stem and size of florets.

HATCHER, J. G., Amsterdam, N. Y.—Strings of his new Asparagus Hatcherii, which, as a new variety, will prove popular to florists doing decorative work. The strings grow rapidly and are well covered with soft closely grown branches which give a pleasing effect. It is a fine Asparagus and has proved a money maker in Amsterdam, and has been shipped to many prominent retail men in the East.

HEWS, A. H., & CO., Cambridge, Mass.—A full line of florists' pots in every size, as well as bulb pans, Fern dishes, saucers and cut flower vases. L. D. Bryant was in charge of this exhibit and was kept busy answering questions concerning the red earthenware.

HITCHINGS & CO., New York.—This firm showed a full sized section of an iron frame house, 28 ft. wide, fully glazed and equipped. One side shows the angle iron eave construction, flat iron post, and glazed with 16-in. glass; the other side shows commercial curved eave construction glazed with 24-in. glass. This firm was the first to build a curved eave house. Three boilers, two of the sectional type, and one of the corrugated fire box type which has been known in the trade for over 60 years, were also exhibited. Apparently the most interesting feature of this exhibit was the long run of side ventilating apparatus recently patented by Mr. Sefton. This will operate 300 feet of sash with one gear, a sliding shaft being substituted for the usual pipe shaft, with its torturing troubles. L. B. Coddington of Murray Hill, N. J., the well known Rose grower, has this apparatus in use in his two new houses, which operate separately 250 ft. This firm has not for years made exhibits at the several annual conventions, but the striking departure made this year fully demonstrates the progressiveness of its members.

JACKSON & PERKINS CO., Newark, N. Y.—This firm had a complete display of H. P. Roses, Climbing Roses, Tree Hydrangeas, Lilacs and Clematis for all of which stocks it is noted. Many varieties of Spring flowering bulbs were also shown, these having been imported direct by the firm. The Tulip varieties included Murillo, Cottage Maid, Kaiserkroon, Rubra maxima, while the Crocus bulbs were of immense size. Many thousands of Rose plants are grown by this firm for forcing, a specialty which has made it famous.

KESSLER BROS. & G. DREYER, New York City.—A fine showing with their new Fern, N. Dreyerii. This Fern has many good points which will render it popular. It makes a quick growth, is compact, of good color and is said to stand considerable rough treatment, adapting itself to almost any condition. It is of the Scottii type, but not as stiff, the fronds drooping gracefully, giving the plant a very attractive appearance.

KING CONSTRUCTION CO., North Tonawanda, N. Y.—An iron frame miniature greenhouse with the latest improvements necessary to a well built structure. Fittings of every description were also shown. The firm also exhibited an iron frame boiler house, a new departure, which is meeting with great popularity. The exhibit was in charge of Mr. Twinn.

KROESCHELL BROS. CO., Chicago, Ill.—Kroeschell boiler, 1910 model, size 14, which will be installed on the Carnation range of iron frame houses erected for Anton J. Pauly, Attica, N. Y. The advantages of this boiler are many and appeal to the uptodate man. Kroeschell's new threaded tubing system was also displayed. The Kroeschell shaking and dumping grate excited a deal of admiration. This sectional grate has 50 per cent. air space and can be used for any kind of fuel, each and every finger being made of a separate casting, a feature which reduces the cost of repairs. The shaking and dumping arrangement is perfect. The Kroeschell Generator, 1910 model, mentioned in these columns a few weeks ago, was also exhibited. Heating plans formed a part of the attractions to many growers. In charge of F. Lautenschlager.

KUHL, GEO. A., Pekin, Ill.—Exhibited Nephrolepis Whitmani, N. Amerpohli, and N. Bostoniensis, all specimen plants in 10-in. pots. These were well grown, shapely and of good color.

LAGER & HURRELL, Summit, N. J.—A fine collection of established and newly imported Cattleyas and other Orchids. The varieties included Cattleya speciosissima, C. Trianæ, C. Mendelii, C. Gaskelliana, C. gigas; Cypripedium insigne Laura Kimball, C. radiosum, C. Brownii, C. Frau Ida Brandt and many others. This firm's elaborate catalog was also justly admired, many remarks being heard concerning its tasty arrangement and completeness. John E. Lager in charge.

LORD & BURNHAM CO., New York.—This concern had on exhibition a section of a curved eave house the features of which are the reinforcement of the curve portion, sash bar and sides, it being spliced in such a manner as to make an absolutely weather-tight joint. The sill and gutter are also cast in one piece. A section of indestructible cast iron bench was also a feature and will be popular on account of its simplicity of construction and of being portable. Pipe hooks and hangers, spool hangers for wooden posts, pipe posts and flat iron posts, of which the firm carries a most complete line. A steam pipe hanging device, recently put out by the firm, fills a long felt want, as it can be readily operated by means of the ice tong jaws, enabling the workman to put up same at any time. A complete line of automatic headers as well as an automatic header for overhead piping, is a comparatively new idea. A line of branch T's in various sizes. A partition flange has been added to the underside of cast iron center gutter to which partitions can be directly screwed. A special feature was a full working model of a greenhouse 5 ft. by 9 ft., showing every essential feature of a modern pipe frame house, employing the giant frame arch and V-shaped truss. Cement sides, side sash ventilation, sash barclasps, angle iron eaves, wrought iron posts. This house fully demonstrated every point of the Lord & Burnham's construction. This firm showed a blue print plan of a house 137 ft. wide, having but four posts, which will give a space 49 ft. between two center posts. The trussing, where used, is of the compression type and not the tension type. The Robert Craig Co. of Norwood, Pa., have four of these new model pipe frame houses.

LION & CO., New York City.—A display of ribbons, chiffons, and Violet novelties. A special feature was the invisible Violet Velvet shield, which is waterproof, also the Colonial matched bridal sets, made in America, the purpose of which is to have all the ribbon and chiffon used at weddings of the same matched material. The Colonial wire edge gauze ribbon was another novelty exhibited by J. Berg and M. Alexander, who were in charge of the exhibit. These ribbons are made in various colors and are uptodate. The firm freely distributed as souvenirs, line measures and cigars.

MANDA, W. A., South Orange, N. J.—Display of Manda's Golden Privet in tubs and pots, an established type. About twenty-five varieties of evergreens, Standard Privet, Aucubas in tubs, Pteris tremula cristata, a very fine tufted Fern, Japan Maples, Acacia speciosa, Orange trees in 8" pots, well fruited. Aspidistra, Polypodium Mandaianum, a fine decorative Fern, winner of the gold and silver medal in Chicago. Asparagus elongatus, Cut and Come Again variety, Dracæna Rothiana, two plants of which were in Convention Hall for two weeks without water, showing its hardy qualities. Also a fine collection of Oncidiums, Cattleyas, Dendrobiums, Cypripediums and other Orchids. A plant of the Baby Boston Fern, Nephrolepis Giatrisi, a new introduction, besides a fine collection of Palms and colored Dracænas was in charge of Messrs. W. A. Manda, R. Karlstrom, S. R. Lundy of California and F. Munsey.

MANN, H. D., CO., Syracuse, N. Y.—A general line of retail florists' supplies, featuring brass and silverware vases and ferneries. Also a fine line of plain and fancy chiffons in many colors; ribbons, baskets, corsage pins, wax flowers and wreaths, chenille, fancy tile jardinieres, artificial and prepared plants, etc., were other staple articles offered. Odozone, a new disinfectant for use in cut flower vases, keeping the water perfectly sweet for days, is offered by the firm as a necessary aid to florists in keeping everything sanitary.

MATTHEWSON, J. E., Sheboygan, Wis.—A plant support which is a combination of good points. It is made of galvanized iron wire, three stories high, can be easily taken apart, stored and set up.

McFARLAND ORGANIZATION, THE, Harrisburg, Pa.—Exhibit of autochromes, books, floral post cards, etc.

MICHELL, HENRY F., CO., Philadelphia, Pa.—Display of greenhouse requisites, consisting of Spray Pumps, Insecticides, Garden Hose, Pots, Seeds and Bulbs. A special showing was made of Lilium Formosum and cold storage Giganteum Lily Bulbs. The exhibit was in charge of Philip Freud and I. Rosnosky and was tastefully arranged.

MILLER, T. M., Jamesville, N. Y.—An exceptionally fine single salmon colored Geranium seedling which has been tried for four years. As a pot decorative plant it fills a long felt want, its beautiful foliage contrasting well with its heavy truss of flowers, which are borne on strong, stiff stems. It is a good bedder and stands the outdoor climatic conditions well. In charge of A. Y. Smith.

MONINGER CO., J. C., Chicago, Ill.—Iron ventilation hinge, plans and other necessities for greenhouse construction. This new hinge entirely eliminates the bad effects of inside drip, as well as holding the bar rigid. It is a fine thing and among the greenhouse men of the West is becoming quite popular. Valves, catalogs and other products were also shown visitors. Exhibit in charge of N. J. Rupp.

MOREHEAD MFG. CO., Detroit, Mich.—First time this firm has exhibited its new condensing trap designed to make a vacuum system out of any ordinary heating job. It increases circulation of steam and efficiency of heating system, and is used in connection with the regular Morehead return steam trap. The vacuum in the condenser trap is formed by the automatic introduction of a cold water spray, the cold water condensing the steam which is left in the trap after the trap has discharged into the return trap above boiler. A. W. Crane Co. of Toledo, Ohio, are the only greenhouse people in the United States using the condenser at the present time, and it has proved very satisfactory in every way, reducing the pressure necessary to circulation of steam from 30 lbs. to 1½ lbs.

NATIONAL CLOCK AND ELECTRICAL MFG. CO., St. Louis.—This concern is a comparatively new one in the market, with thermostat instruments and temperature alarms. The exhibit was one of the neatest in the convention, and was in charge of W. H. Arthur. The articles shown were very attractive to all visitors, and despite the fact of the infancy of the company, many heavy orders were placed. In the exhibit were thermostats and temperature alarms, which when demonstrated proved to be of incalculable value to growers, and all connected with the florists' business. The reliability of the products is fully guaranteed in every respect and the company has without question the best article for the purpose now on the market. Large growers are fully interested in these products, and the fact that the company is in touch with all of the scientific men in this and other countries, upon whose judgment rests the fate of its experiments, proves conclusively the value of its manufactures. Thousands of dollars have been saved by florists using these thermostats and the general adoption of them will come in a short while. The judges' awards on the firm's exhibits will be found in their report published in this number.

NEIDINGER, JOS. G., Philadelphia, Pa.—An extensive display of florists' supplies. Metal designs were prominently shown consisting of wreaths, crosses, sprays, anchors, etc., besides wheat sheaves, Cycas leaves, decorated baskets, Christmas bells and other novelties.

NON-BREAKABLE FLOWER VASE CO., Washington, D. C.—These vases are made in various styles and shapes, particularly the combination vase and pedestal, which is a special feature of the firm, combining many qualities and will be found useful to all decorators, and unexcelled for store use. The vases offered by this firm are claimed to be the best and most reasonable in price on the market, being quite durable and non-breakable. In charge of H. L. Lauscher.

PEGLER, THOS., Boston, Mass.—Improved Economy Bracket for conservatory or greenhouse. It is easily put up, saves much space, and is constructed of the best grey iron, properly proportioned to combine strength and beauty and made as light as practicable, enabling them to carry a load of 2000 lbs.

PENNOCK-MEEHAN CO., S. S., Philadelphia, Pa.—An extensive display of ribbons, cords, and corsage pins, of which the firm carries the most extensive line in the country, from the cheapest to the most expensive. A novelty of this season is a wide heavy faille ribbon, made in exclusive special shades, such as Orchid, Killarney, foliage and light greens. A new corsage tie in several widths, made up in all fancy shades such as pink, light to dark, Orchid, foliage and many others. Besides these a general line of stock was shown, which, during the past year has perceptibly increased. Killarney and Valley ribbons carried in shower widths up to 8 inches wide are also a feature. The firm showed the largest exhibit of ribbons at the convention. Ed. Fancourt, secretary of the P.-M. Co., was in charge. A line of waterproof chiffon was also offered in all widths and colors. A narrow tape for tying boxes, etc., put up on a large spool, in all colors, also a neat gunmetal or nickel stand for holding spool, enabling tape to be used with ease, was also shown.

PETERS & REED POTTERY CO., THE, Zanesville, O.—Featured flowerpots in all sizes and designs, cut flower vases, jardinieres, hanging baskets, cement vases, ferneries, glazed and painted wares. In charge of Geo. A. Wood. A cemetery vase, useful for sticking in the ground, was shown, this being one of the prominent features of the exhibit.

PETERSON, J. A., Cincinnati, Ohio.—Display of Begonias Glory of Cincinnati, Agatha, Lorraine and President Taft. Dracæna Victoria, Phœnix Roebelliniana, Nephrolepis Bostoniensis, Harrisii type, a new Fern, much crinkled, with broad leaves, making a fine decorative or show Fern. In charge of J. A. Peterson and R. W. Peterson.

PIERSON CO., F. R., Tarrytown, N. Y.—As usual this firm's display was one freely visited and members of the S. A. F. expressed themselves as well pleased with its appearance and artistic setting up. It comprised Kentias, both made up and single specimens, in various sizes, and samples of all the Nephrolepis handled by the firm. Such varieties as N. superbissima, N. elegantissima compacta, N. Bostoniensis, also an improved type of N. elegantissima, which has been fully tested and grown for three years and has never shown any tendency to revert to Bostoniensis, fact which should make it a valuable addition to the existing types. N. Mossii, a very compact form, is a variety to be introduced in 1911, and will fill a long felt want as a low growing decorative Fern. In bulbs, a full line of florists' forcing varieties were displayed, especially Lilium Harrisii in various sizes. The general appearance of the firm's exhibit fully carries out its policy of being in the front rank as Fern growers. For the past six years H. E. Philpott of Winnipeg has bought the entire bulb exhibit of this firm, a feature which is looked forward to by Mr. Fotheringham (in charge), as an annual feature of the convention. The plants in this exhibit were bought by E. R. Fry of Rochester.

PILLSBURY, I. L., Galesburg, Ill.—Patented Carnation staple, useful for split Carnations. Easily applied and invisible it is an article much sought by all Carnation growers.

REED & KELLER, New York.—Very fine exhibit of florists' supplies, including rustic work, metal designs, baskets, wire work, insecticides, fibre ware and other perquisites. The Cupid wedding gates deserve special mention and caused many inquiries to be made. A special feature was the glass ware and wire frames for the display of cut flowers and decorative work. The entire exhibit was sold to Julius Eger, of Schenectady, N. Y., and was in charge of R. E. Hall.

RICE CO., M., Philadelphia, Pa.—A full and complete line of florists' supplies, including baskets of every description, crepe paper, pot covers, immortelles, Krick's letters, ribbons, artificial Poinsettias, silver corsage ribbons for Orchids and Gardenias. The exhibit this year was more with a view to show natural effects, and thus many new and surprising novelties were shown. Butterflies, true to nature were a feature useful in table decorations. The old-fashioned paper bouquet holder, reintroduced by the firm, is again becoming popular. The exhibit was in charge of B. Eschner, who freely distributed small frogs as souvenirs to visitors.

ROEHRS, CO., JULIUS, Rutherford, N. J.—A fine line of decorative plants and Orchids, as well as Bay trees in several sizes, decorative Palms in many sizes, of which the firm makes a specialty; Ardisias well berried, Crotons of many varieties, including the new one, F. Sander, a variety, which, when disseminated, will be very popular; Begonia Gloire de Lorraine, several varieties of Dracænas, Pandanus, Celosia Pride of Castle Gould, etc., the whole of which formed a very complete exhibit, and was bought by J. B. Keller's Sons of Rochester, N. Y.

ROSEVILLE POTTERY CO., Zanesville, O.—A very fine display of vases, jardinieres, ferneries, and other bric-a-brac, which was freely patronized by the public. Among the trade, many found articles of interest which had a wide range of shapes and color. Vases of every description, pedestals and porch plant stands were also among the novelties exhibited, many of which were of exquisite design and finish.

SCHLOSS BROS., New York.—This firm had many special features, including a striped ombre gauze ribbon in nine different colors for florists' work; moisture proof chiffon, the merits of which were demonstrated "while you wait"; chenille and silk cord for violets; the "New Fad" bouquet holders; striped gauze ribbon for corsage in many shades. Other ribbons were also shown, giving visitors a good idea of the class of goods imported and manufactured by the concern. Other styles of corsage ribbons are carried in stock in numerous colors, to suit all occasions; these included a woven Violet design corsage ribbon; also a waterproof corsage protector which prevents the dress from becoming soiled.

SCHWABE, EDWIN J., New York City.—A fine display of gold and antique Fern and flower boxes, jardinieres, pedestals, and florists' novelties. The material consists of a composition on wood and, with the new Walnut veneer gold burnished finish, the goods proved to be a special attraction. The exhibit was in charge of R. T. Miller, manager, who has placed his goods in many representative stores throughout the entire United States.

SHAW FERN CO., Pittsfield, Mass.—An extensive exhibit of cut hardy Ferns which are handled exclusively by it. This firm's goods are shipped to all parts of the United States and are well known for quality. The exhibit was in charge of L. E. Shaw.

SMITH, H. J., Hinsdale, Mass.—Fancy and Dagger Ferns, bouquet evergreen, Laurel wreathing, Moss, Spruce, Balsam and Hemlock boughs, sold either by bale or carload. The firm also booked many orders for supply of Christmas trees of which it can secure an unlimited supply.

STEWART, E. E., Rives Junction, Mich.—Display of choice Gladioli. This included many well known varieties in the trade, and combined a wonderful range of color including varieties Azure, DeCheville, Hollandia, Brenchleyensis, Fairy Queen, Victory, Sulphur King, President Taft, Ruth, Golden Queen, all of which showed up well and proved attractive to florists for general purposes.

STORRS & HARRISON CO., Painesville, Ohio.—A fine display of small Palms, Adiantum Ferns, Araucarias and table Ferns, as well as a display of field grown H. P. Roses and hardy Climbers, including Crimson Ramblers, Lady Gay, Dorothy Perkins, Tausendschön and Hiawatha. The H. P. forcing Roses, comprising Magna Charta, Frau Karl Druschki, Ulrich Brunner, and the Baby Ramblers, showed exceptional culture. Exhibit in charge of E. B. George and S. R. Welch.

STUMPP & WALTER CO., New York City.—A very extensive display of florists' necessities., including full lines of named Dutch Hyacinths, Tulips and other bulbs. Kilmdead Tobacco Dust was a feature as well as many other insecticides, spray pumps, watering pans, hose, shears, plant tubs, wire stake supports, fibre ware, and all these, with many other articles, enabled the firm to make one of the largest exhibits in the hall. In charge of W. A. Sperling, secretary of the company, W. A. Cahill and O. Kronmiller.

SYRACUSE POTTERY CO., Syracuse, N. Y.—Exhibit of standard pots, bulb pans, Azalea pots. As souvenirs the firm gave away miniature standard pots.

TAYLOR STEAM TRAP CO., Battle Creek, Mich.—A steam trap which has in it many points of simplicity and efficiency, the same being sold under a guarantee by the firm. In charge of Chas. R. Willey.

TRACY, B. HAMMOND, Wenham, Mass.—Display showing the various uses of Gladioli, such as sprays, window boxes, mantel decorations, etc. An absolutely pure white Gladiolus named Purity was shown which has been in existence about four years, also vars. Dawn, Mrs. Jas. Lancashire, a beautiful cream color; Fireside, a very brilliant cherry and a variety which will make a great effect wherever used. The flowers in this exhibit were of exceptional culture.

TRAUDT, JOSEPH, Canajoharie, N. Y.—A new Sweet Alyssum, Variegated Little Gem. It is very dwarf and free blooming with variegated foliage.

UNITED STATES RADIATOR CORPORATION, THE, Geneva, N. Y.—Various sized Furman boilers exclusively, although the firm handles many other makes. The Furman boiler is of sectional construction and has secured certificates of merit at seven different S. A. F. Conventions. C. W. Burdick had charge of the display.

VAUGHAN'S SEED STORE, Chicago, Ill.—This firm's display of bulbs of every description was large and comprehensive, and included a full line of all florists' forcing bulbs, especially Lilies, of which Harrisii, Formosum and giganteum were the most prominent. Narcissus Paper-white and Roman Hyacinths were of exceptional size. The exhibit was in charge of J. B. McArdle, Walter E. Cook of the New York store, and H. Cheesman of Chicago, Ill.

VICK & HILL CO., Barnards, N. Y.—A very extensive display of its Aster products. The many varieties shown were indicative of the progress made in the development of the flower. Those vars. which showed to advantage were Violet King, White Branching, Rose Branching, Queen of the Market, in various colors, Mikado, Crimson King, Lavender Gem and White Fleece. Many plants in pots were exhibited showing the habit, length of stem and other characteristics of each variety. The company is well known as Aster seed specialists, sending its products from 20 acres of Aster plants all over the United States. The exhibit was in charge of Bert Reiss.

VICK'S SONS, JAMES, Rochester, N. Y.—This firm made a very extensive display of its products. A special attraction was a design 30 ft. long and 3 ft. high, made of white Asters, the words, "Vick, Rochester," made of purple Asters, showing very prominently. This design, which could be seen on both sides, was unique and very attractive. The firm's exhibit contained, in addition, a full collection of bulbs and many vases of Asters, for which the firm is noted. These included such varieties as Queen of the Market, the well known late branching white and pink Daybreak Comet types, Early Sunrise and last, but not least, "Rochester," a pink Aster for which the firm has had much call. All the flowers were up to the usual standard speaking well for the cultural methods employed. In other Summer flowering plants, single fringed Petunias, including many of the finest varieties, Salpiglossis, Marigolds, one vase of which contained flowers of the real old-fashioned single tall variety, long since neglected, but which will be listed in the firm's catalog in the near future. Verbenas, Summer Chrysanthemums, C. carina-

tum, Swan River Daisy, Phlox Drummondi, Zinnias, double Stocks, Candytuft and many others. The Gladioli were of exceptional size, comparing very favorably with those shown by other exhibitors. The variety America was much commented upon. The entire exhibit was very creditable and in charge of W. H. Dildine.

WAIT, WESLEY, Newburgh, N. Y.—Interlocking steel greenhouse tables and other articles, which have many attractive and necessary features, valuable to every greenhouse man, as well as to any firm which has use for such benches. All these goods are of interlocking steel, easily assembled and taken apart. This style of bench opens a new field of opportunity for the builder, and is claimed to be practically indestructible, being made without nails, bolts or screws, thereby affording ample means of complete cleanliness. In charge of Mr. Wait.

WERTHEIMER BROS., New York.—Full line of ribbons and chiffons in all colors and widths. Corsage ribbons, butterflies in natural effects used for corsage work and decorations. The firm also exhibited its sprinkleproof chiffon, which is considered an improvement on the chiffon which was awarded a certificate of merit last year. A special feature was a ribbon having wire woven into the edge and considered by many to be the greatest improvement in ribbon in the past decade. As souvenirs the firm distributed butterflies, the better to bring before the trade the firm's butterfly products, which are all the rage.

WILLIAMS, J. J., Utica, N. Y.—Display of florists' supplies, including chiffons, wire designs, gold letters, improved order books, match sticks and birch bark effects.

WILSON-HOYT CO., Madison Ave., New York City.—This firm exhibited its cement bench forms, which were the object of much attraction among all classes of visitors from East and West. The facilities for quick cement bench construction were readily seen and the orders booked augur well for the success of the invention. The many advantages of the Wilson-Hoyt bench make it the peer in its class. Having a full working section on exhibition, visitors could readily see its benefits. The frame or mold used for the making of the cement bench legs was also demonstrated. There was also on exhibition a simple device used for stemming Galax leaves and flowers for design work. This consisted of a short metal spear having a clamp on one end into which were placed the stems, the clamp, when pressed firmly, holding the flowers in position, thus doing away with wiring and toothpicks. Orders were booked for millions of these. Mr. Ferry and R. Wilson were kept busy demonstrating the advantages of the cement forms. The Champion Stemmer and Supply Co., Chatham, N. J., of which Andrew Wilson is the sales manager, is responsible for the stemming device.

President-Elect George Asmus

George Asmus, president-elect of the S. A. F. & O. H., was born in Buffalo, Jan. 24, 1872. He received his education in the public schools of that city, graduating in the Spring of 1887. He started his business career as an errand boy in the establishment of the late William Scott and continued in Mr. Scott's employ for 10 years, during which time he advanced steadily, until he finally held a position of responsibility. In 1896, after a brief period in business for himself, he yielded to the lure of change and connected himself with a concern in the clothing line, which shortly afterwards gave up business. He then associated himself with the business of Schiller the Florist (Herman Schiller, proprietor), Chicago.

At that time Mr. Schiller operated considerable glass, but owing to a rapidly increasing business in his two retail stores the greenhouses were sold and the business confined to its retail lines, which, by the way, under the management of Mr. Asmus, had greatly increased.

Mr. Schiller died in 1902 and in 1905 Mr. Asmus became half owner of the business, continuing as its manager. While at that time the business had assumed large proportions it is now three times the size. Mr. Asmus has managed the last four Chicago flower shows under the auspices of the Horticultural Society of Chicago; has been secretary of the Chicago Florists' Club and is now its president. He has been a member of the S. A. F. & O. H. for many years, much of the time a life member, and is now serving a term as a director. At the Dayton convention he was chairman of the committee on sports. He is a member of the Chrysanthemum Society of America, the American Carnation Society and the American Rose Society. He is a prominent Mason, having taken all degrees except the thirty-second. In addition, he is an Odd Fellow, a member of the Royal Arcanum and of the Order of the Modern Woodmen of America.



View of River at Maplewood Park, Rochester, N. Y.

R. Vincent, Jr., Vice-President-Elect, S. A. F.

Richard Vincent, Jr., than whom no one man is better known to the trade, was born at Rugby, Warwickshire, England, Dec. 16, 1843. He came to America with his parents in 1854. His first position in the horticultural line was with Gabriel Marc of Astoria, N. Y., at that time a famous grower; from thence Mr. Vincent went into the employ of Wm. Reid, Elizabeth, N. J., whose nurseries at that time were the most celebrated in America. The present city of Elizabeth is built nearly wholly on the site of the old nursery.

The next move was to Baltimore, Md. Mr. Vincent's father was superintendent of Richard Cromwell's nursery, and in 1866 the son became superintendent of Cromwell's truck farm, situated in Anne Arundel County. In 1867 Mr. Vincent married Miss Annie E. Merritt, and removed to Baltimore County, starting into business for himself at White Marsh, first as a truck farmer and gradually working into the florist line. In 1868 he built his first greenhouse, 15x65 ft., heated by flues. Unremitting toil accompanied the early struggles, but indomitable perseverance, favored by good health and a sturdy physique, won the battle for a place among men. Today the Vincent establishment embraces over 250 acres of fertile soil and the modest little greenhouse is represented by 300,000 ft. of glass.

Every grower knows the present firm of R. Vincent, Jr. & Sons Co., of which the subject of our sketch is the honored head. Three sons and one daughter and many grandchildren all live in White Marsh, working harmoniously together in the common interest.

The Rochester Convention Souvenir Book

The Rochester Florists' Association has reason to feel proud of the handsome work of art which was issued by that Club as a souvenir of the visit of the S. A. F. and O. H. on the occasion of its 26th annual convention held in the city of Rochester the past week. Several articles of interest to the trade are to be found therein: Rochester the Flower City; The Rochester Florists' Association, by Fred W. Vick; The Seed Trade in Rochester, by Chas. W. Crosman; Rochester from a Nurseryman's Viewpoint, by Wm. C. Barry; Rochester's Park System, by John Dunbar; Rochester as a Floral Center, by Geo. B. Hart. Well grouped illustrations of the officers of the S. A. F., The Ladies' Society of American Florists and The Rochester Florists' Association, followed by innumerable views of the city of Rochester, combined with the illustrations used by the advertisers, whose patronage has certainly been wonderfully generous, have rendered this book a token well worthy of preservation in the years to come. The paper illustrations and typography reflect much credit on the printers whose imprint, it is to be regretted, does not appear.

Bowling

A match for a silver cup, presented by a local Rochester jeweler, Stephen Burritt, to be competed for by individual members of the S. A. F. was bowled on Wednesday afternoon between representatives of Rochester and Baltimore, the former city being championed by Albert Vick, the latter by Chas. L. Seybold, who won the match. Seven games were played, four of which were won by Seybold.

President Pierson's Gavel

The gavel presented to the worthy president of the National Society at Rochester, on Tuesday morning last is made from a beautiful piece of ivory of generous proportions. It was adorned with ribbons in red, white and blue, and engraved on it is the legend: "Presented to F. R. Pierson, President S. A. F. and O. H., by friends in the New York Florists' Club, 1910." Mr. Pierson tells us he places great value on this token of esteem from his immediate friends in the trade.



The Lily Pond at Seneca Park, Rochester, N. Y.

Attendance at the Rochester Convention, August 16-19

Adelberger, Frank, Wayne, Pa.
Adgate, F. H., Warren, O.
Allen, J. K., New York City.
Altick, H. M., Dayton, O.
Ammann, J. F., Edwardsville, Ill.
Anderson, S. A., Buffalo, N. Y.
Arnold, Chas., Astoria, N. Y.
Arnold, Geo., Barnard, N. Y.
Asmus, Geo. and wife, Chicago, Ill.
Avery, F. P., Tunkhannock, Pa.
Bacon, Loretta C., Canandaigua, N. Y.
Bacon, Jr., Orin S., Canandaigua, N. Y.
Bahr, Fritz, Highland Park, Ill.
Ball, Chas. D. Philadelphia, Pa.
Ball, Chas. D., Jr., Philadelphia, Pa.
Ball, Lemuel, Philadelphia, Pa.
Ballantyne, R. E., Canandaigua, N. Y.
Balsley, Harry, Detroit, Mich.
Barker, Michael, Chicago, Ill.
Barnard, C. J., Syracuse, N. Y.
Bartels, R. C. and wife, Cleveland, O.
Bartholme, Gustave and wife, Syracuse, N. Y.
Bartholomew, Geo., wife and daughter, Dayton, O.
Bartsch, Herman H., Waverley, Mass.
Batchelor, S. J., Jenkintown, Pa.
Bauer, F. C., Govans, Md.
Baum, Chas. L., Knoxville, Tenn.
Baum, F. P., Buffalo, N. Y.
Baur, A. F. J., Indianapolis, Ind.
Bayersdorfer, I. M., Philadelphia, Pa
Bayersdorfer, S. H., Philadelphia, Pa.
Beaven, E. N., Evergreen, Ala.
Beckstedt, Karl H.
Bennett, Frank, Barnards, N. Y.
Berry, Robert E., Elizabeth, N. J.
Bertermann, Irwin, wife and daughter, Indianapolis, Ind.
Bertermann, John, Indianapolis, Ind.
Beuerlein, Peter and wife, Elmhurst, N. Y.
Binley, A. J., Glen Falls, N. Y.
Birnie, John and wife, West Hoboken, N. J.
Blackistone, S. B., Washington, D. C.
Blackistone, Z. D. and wife, Washington, D. C.
Blackman, Geo. H., Evansville, Ind.
Blake, Geo. H., Brooklyn, N. Y.
Bloy, M., Detroit, Mich.
Bobbink & Atkins, Rutherford, N. J
Boehler, Oscar, West Hoboken, N. J.
Bolgiano, Chas. J., Baltimore, Md.
Bonnet, Christian, Brooklyn, N. Y.
Boone, Jas. H., Clifton Park, Md.
Boucher, Geo. T., Rochester, N. Y.
Boucher, Oliver, Rochester, N. Y.
Bowers, C. L., Bristol, Tenn.
Brant, Harry S., Attica, N. Y.
Brenneman, J. G., Harrisburg, Pa.
Brown, H., Richmond, Va.
Brown, Mrs. Lincoln, Cleveland, Ohio.
Brown, Thos. F., Rochester, N. Y.
Brozat, J., Bloomfield, N. J.
Bruenig, Fred'k W., St. Louis, Mo.
Bruning, H. G. and wife, St. Louis, Mo.
Bryant, L. D., Kingston, Mass.
Buchholtz, Arthur, Woodside, N. Y.
Bullock, E. M. and wife, Elkhart, Ind.
Burdett, C. J., Bowling Green, Ky.
Burgevin, David, Kingston, N. Y.
Burgevin, Geo., Kingston, N. Y.
Burki, F. and son, Pittsburgh, Pa.
Butler, T. C., Niagara Falls, N. Y.
Callwell, John F., Buffalo, N. Y.
Camp, F. E. and wife, Mt. Clemens, Mich.
Campbell, Chas. H., Wollaston, Mass.
Cappon, Burrell, Canandaigua, N. Y.
Carey, J. M., Cromwell, Conn.
Carmody, J. D., Evansville, Ind.
Carney, W. H. and wife, Pittsburgh, Pa.
Carpenter, A. D., Cohoes, N. Y.
Cass, W. H., Geneva, N. Y.
Castle, W. M., Boston, Mass.
Caton, Geo. E., Zanesville, O.
Chesney, Jr., Robt., Montclair, N. J.
Chill, W. O., Herkimer, N. Y.
Clark, Theron J., Boston, Mass.
Clifford, Thos., Barnards, N. Y.
Coe, Asher M., N. Olmested, O.
Cogger, Thomas, Rochester, N. Y.
Cokely, J. T., Scranton, Pa.
Coles, W. W., Kokomo, Ind.
Colt, C. W. G., New York City.
Connor, D. T. and wife, Philadelphia, Pa.
Coolidge, A. F., Cambridge, Mass.
Cotter, Lawrence, Jamestown, N. Y.
Craun, Geo., Rochester, N. Y.
Creighton, F. W., New York City.
Crippen, Peter H., Rochester, N. Y.
Critchell, C. E., Cincinnati, Ohio.
Crosman, Geo. F., Rochester, N. Y.
Crosman, C. W., Rochester, N. Y.
Cunyngham, Jas. H. and wife, Delaware, Ohio.
Curtis, C. W., Irondequoit, N. Y.
Cushman, E. H., Sylvania, Ohio.
Cushman, Ralph F., Sylvania, O.
Danker, Fred. A., Albany, N. Y.
Darling, A. W., Rochester, N. Y.
Daut, Frank, Decatur, Ill.
Davis, D. W. and wife, Berwick, Pa.
Deamud, J. B., Chicago, Ill.
Dean, James and wife, Freeport, N. Y.
De La Mare, A. T., New York.
Demeusy, Arthur, Brooklyn, N. Y.
Denhirst, Mrs. L. E., Barker, N. Y.
Denker, Edwin, St. Charles, Mo.
Dietsch, Alfred and wife, Chicago, Ill.
Dildine, W. H., Rochester, N. Y.
Dillon, Mrs. J. L., Bloomsburg, N. Y.
Dillon, M. G., Bloomsburg, N. Y.
Dobb, Wm. G., Auburn, N. Y.
Dodds, John H., Wyncote, Pa.
Dolansky, Frank J., Lynn, Mass.
Donaldson, John and wife, New York City.
Dorner, F. E., Lafayette, Ind.
Dorner, H. B., Urbana, Ill
Dunbar, John, Rochester, N. Y.
Dunlap, E. E., Boston, Mass.
Dunlop, John H., Toronto, Ont.
Dunn, Arthur J., Rochester, N. Y.
Du Rie, W. B., Rahway, N. J.
Dysinger, S. D., St. Paul, Minn.
Eble, Chas., Mrs. C. Eble and Miss Corinne Eble, New Orleans, La.
Edgar, H. P., Boston, Mass.
Eger, Julius W., Schenectady, N. Y.
Eger, W. C. and wife, Schenectady, N. Y.
Eichholz, Henry, Waynesboro, Pa.
Einseman, F., Astoria, N. Y.
Elliott, John W., Wernersville, Pa.
Elliott, Wm. H., Boston, Mass.
Ellis, R. H., Leamington, Ont.
Elverson, W. H., New Brighton, Pa.
Elvidge, M. H., New York City.
Ernest, Wm. H., Washington, D. C.
Ernst, Otto I. and wife, Norwich, Conn.
Eschner, R., Philadelphia, Pa.
Esler, Helen J., Saddle River, N. J.
Esler, John G., Saddle River, N. J.
Evenden, Geo. W., Williamsport, Pa.
Fancourt, E. J., Philadelphia, Pa.
Farenwald, A., Roslyn, Pa.
Fengar, E. W., Irvington, N. J.
Fenrich, Jos. S., New York City.
Fetters, E. A. and wife, Detroit, Mich.
Fisher, P. and wife, Ellis, Mass.
Fitzgerald, Thos. M., Beaver, Pa.
Flanagan, Peter, Philadelphia, Pa.
Flitton, N. F., Baltimore, Md.
Floto, Frank A., Waterbury, Conn.
Foman, H. T., Rochester, N. Y.
Forbach, Conrad, Buffalo, N. Y.
Forest, Jacob, Greenfield, Ind.
Fotheringham, J. R., Tarrytown, N. Y.
Freeman, J. R., wife and daughter, Washington, D. C.
Fremow, A. J., Newark, N. Y.
Frishkorn, August, Pittsburgh, Pa.
Fry, C. E., Barnard, N. Y.
Fry, E. R., Rochester, N. Y.
Fuller, J., Leominster, Mass.
Fulmer, J. T. and wife, Des Moines, Ia.
Gammage, Wm., London, Ont.
Garland, H. S. and wife, Des Plaines, Ill.
Gause, G. R. and wife, Richmond, Ind.
George, E. R., Painesville, O.
Giles, John H., Reading, Pa.
Glass, James, Baltimore, Md.
Golding, Fred'k, Slingerlands, N. Y.
Goodlive, J. J. G., Zanesville, O.
Gorman, Daniel G., Williamsport, Pa.
Graham, Adam, Cleveland, O.
Graham, Geo. and wife, Bradford, Pa.
Graham, J. O., Little Falls, N. Y.
Graham, S. J., Cleveland, O.
Graham, Wm., Philadelphia, Pa.
Graves, Nathan R., Rochester, N. Y.
Gray, Wm. J. and wife, Boston, Mass.
Greensmith, Herbert, Cincinnati, O.
Grillbortzer, D. O., Alexandria, Va.
Guttman, Alex. J., New York City.
Guy, M. C., Belleville, Ill.
Haas, Roger W., Meadville, Pa.
Hagenburger, Wm. H., Cleveland, Ohio.
Hale, Ernest N., East Orange, N. J.
Hammond, Benj., Fishkill-on-Hudson, N. Y.
Hand, Philip, Rochester, N. Y.
Hannell, Wm. and wife, Watervliet, N. Y.
Harger, W. T., Chattanooga, Tenn.
Harrison, Orlando, Berlin, Md.
Harrison, W. C., Painesville, Ohio.
Hart, Geo. B., Rochester, N. Y.
Hart, Herman A., Cleveland, O.
Hatcher, John C., Amsterdam, N. Y.
Haumann, Wm. G., Cleveland, Ohio.
Heacock, Joseph, Wyncote, Pa.
Heepe, Henry, Akron, O.
Helfreich, John A., Paris, Ill.
Hendrickson, Mr. and Mrs. I. S., Floral Park, N. Y.
Henshaw, A. M., New York City.
Heurnann, Hermann, Owosso, Mich.
Henkes, Fred., Watervliet, N. Y.
Herendeen, F. W., Geneva, N. Y.
Herr, Albert M., wife and son, Lancaster, Pa.
Hess, Peter.
Hewson, Chas. J., Buffalo, N. Y.
Higgason, W. A., Richmond, Va.
Hill, Chas., Rochester, N. Y.
Hoffman, H. M., Elmira, N. Y.
Hohener, John, Rochester, N. Y.
Honeysett, Wm., Erie, Pa.
Hooper, J. D., Richmond, Va.
House, John, Millburn, N. J.
Howard, H. B., Chicago, Ill.
Hudson, C. H., Fishkill, N. Y.
Imlay, Jno. D., Zanesville, O.
Jones, Jas. E., Richmond, Ind.
Kadstrom, Robert, So. Orange, N. J.
Kalb, Geo. S., Baltimore, Md.
Kasting, Wm. F., Buffalo, N. Y.
Kasting, W. H., Buffalo, N. Y.
Keimel, W. J., Elmhurst, Ill.
Keller, Ferdinand J., Rochester, N. Y.
Keller, Geo. J., Rochester, N. Y.
Keller, J. M., Rochester, N. Y.
Keller, S. A., New York.
Keller, Wm. L., Rochester, N. Y.
Keplander, J. H., Govanston, Md.
Kessler, Philip, Woodside, N. Y.
Kessler, Wm., New York City.
Kidd, J. B., New York City.
Kiddin, H. E., Ionia, Mich.
Kischner, T. H., Cleveland, O.
Klein, L. H. A. and wife, Towson, Md.
Kleinstarink, H. and wife, Louisville, Ky.
Knapp, J. B., Sayre, Pa.
Knecht, Frank J., Fort Wayne, Ind.
Knopf, Chas., Richmond, Ind.
Koerner, G. W., Milwaukee, Wis.
Komitsch, Herman, Secaucus, N. J.
Knoble, H. P., Cleveland, O.
Koenig, Otto G., St. Louis, Mo.
Kramer, J. A., Cedar Rapids, Ia.
Krueger, Wm. and wife, Toledo, Ohio.
Kuebler, Wm. H., Brooklyn, N. Y.
LaFenner, T. E., Elmira, N. Y.
Lamborn, L. L., Alliance, O.
Langjahr, Alfred H., New York City.
Larrowe, A. L., Cohocton, N. Y.
Lautenschlager, F., Chicago, Ill.
Laver, John V., Erie, Pa.
Lavigne, Frank, Rochester, N. Y.
Lawrance, John, Ogdensburg, N. Y.
Layer, John E., Summit, N. J.
Lehr, H. M., Baltimore, Md.
Lepper, Andrew J., Rochester, N. Y.
Leutchford, Arthur R., Rochester, N. Y.
Loeben, Richard E., wife and daughter, Gloversville, N. Y.
Loew, Wm., Pittsburgh, Pa.
Logan, W. T., Rochester, N. Y.
Long, Daniel B., Buffalo, N. Y.
Ludwig, De Forest W., Pittsburgh, Pa.
Ludwig, E. C. and wife, Pittsburgh, Pa.
Ludwig, Gustav A., No. Pittsburg, Pa.
Ludwig, Jno., No. Pittsburg, Pa.
McClure, Geo. N., Buffalo, N. Y.
McClurg, G. E., Buffalo, N. Y.
McCormack, H., Boston, Mass.
McGinnis, J., Fitchburg, Mass.
McGowan, Frank, Utica, N. Y.
McKellar, Chas. W. and wife, Chicago, Ill.
McKeown, Jno. J., Rochester, N. Y.
McLennan, Robt., Washington, D. C.
Maklbeger, Chas. F., Rochester, N. Y.
Mall, T. W., Cleveland, O.
Mallgray, O., Fitchburg, Mass.
Manda, W. A., South Orange, N. J.
Mansfield, W. H., Lockport, N. Y.
Matthews, Warner and wife, Dayton, O.
Matthewson, J. E., Sheboygan, Wis.
Maynard, B. J., Cleveland, Ohio.
Maynard, C. H. and wife, Detroit, Mich.
Meinhardt, Fred'k H. and wife, St. Louis, Mo.
Meitman, Forrest R., Dayton, O.
Merner, Leo, Philadelphia, Pa.
Michaels, M. M., Dansville, Ill.
Michell, Henry F., Philadelphia, Pa.
Miesem, John, Elmsford, N. Y.
Miller, A., Dallas, Tex.
Miller, T. K., Jamesville, N. Y.
Miller, Y. H., Bracondale, Ont.
Mitchell, E. W., Baltimore, Md.
Mitchell, Mrs. E., Baltimore, Md.
Mitchell, F. H., Waterville, N. Y.
Montgomery, Alex., Natick, Mass.
Morrison, Geo., Baltimore, Md.
Mortz, A., New York City.
Mott W., Newburgh, N. Y.
Moss, I. H. and wife, Baltimore, Md.
Mueller, Gustav C., Milwaukee, Wis.
Mueller, J. A., Rutherford, N. J.
Muncy, Frank, So. Orange, N. J.
Myers, B. F., Lancaster, N. Y.
Nehrling, A., Urbana, Ill.
Neumayer, Mary, Louisville, Ky.
Nuth, John A., Raspeburg, Md.
O'Mara, Patrick, Jersey City, N. J.
Ogston, Colin B., Rochester, N. Y.
Olson, Peter, Joliet, Ill.
Osborne, E. S., Rochester, N. Y.
Osseck, Mrs. H., St. Louis, Mo.
Palinsky, W. L., Chicago, Ill.
Papworth, Harry, New Orleans, La.
Parnell, S. C., Flowerfield, N. Y.
Paterson, W. B., Montgomery, Ala.
Patten, M. A. and wife, Tewksbury, Mass.
Paul, John, Rochester, N. Y.
Peck, Mrs. S. M., Toledo, Ohio.
Pegler, Thos. and wife, Boston, Mass.
Peirce, E. Allan, Waltham, Mass.
Pepper, J. H. and wife, New York.
Perkins, C. H., Newark, N. Y.
Perry, E., Rochester, N. Y.
Perry, John J., Baltimore, Md.
Petersen, F. S., Rochester, N. Y.
Peterson, C. Arthur,
Peterson, J. A., Cincinnati, Ohio.
Peterson, Roger H., Cincinnati, O.
Phillips, J. V. and wife, Brooklyn, N. Y.
Philpott, H. E., Winnipeg, Man.
Pierce, Wm.,
Pierson, Frank R., Tarrytown, N. Y.
Pierson, Wallace R., Cromwell, Conn.
Piorkovski, F. R., New York City.
Playdon, J. H. and wife, Andover, Mass.
Poehlmann, Adolph H., Morton Grove, Ill.
Poehlmann, August F., Morton Grove, Ill.
Poehlmann, Roland, Morton Grove, Ill.
Poehlmann, Vera, Morton Grove, Ill.
Poehlmann, Virginia, Morton Grove, Ill.
Poehlmann, Walter, Morton Grove, Ill.
Powell, I. L., wife and son, Millbrook, N. Y.
Pridmore, J. O., Rochester, N. Y.
Pringle, R. H., Rochester, N. Y.
Puckett, W. C., Fort Wayne, Ind.
Prunner, E. C., Chicago, Ill.
Pyle, Robert, West Grove, Pa.
Quick, Henry J., Baltimore, Md.
Quick, Mrs. H. J., Baltimore, Md.
Quick, Miss May, Baltimore, Md.
Randolph, P. S., Pittsburgh, Pa.
Rayton, Albert, Rochester, N. Y.
Reichter, A., Sturgis, Mich.
Reid, Edward, Philadelphia, Pa.
Reid, W. H., New York City.
Reineman, E. C., Pittsburg, Pa.
Reiss, Albert, Charlotte, N. Y.
Richards, E. A., Greenfield, Mass.
Richmond, M., Baltimore, Md.
Ringier, A., Chicago, Ill.
Robertson, Wm., Jenkintown, Pa.
Rock, Wm. L., Kansas City, Mo.
Roehrs, Julius, Jr. and wife, Rutherford, N. J.
Rogers, H. E., Spencerport, N. Y.
Rohey, O., Purcellville, Va.
Rohrer, H. D., Lancaster, Pa.
Roland, D., Nahant, Mass.
Rosnosky, I. and wife, Philadelphia, Pa.
Rowe, E. F., Rochester, N. Y.
Ruppert, J. A., Riverton, N. J.
Salter, A. H., Rochester, N. Y.
Salter, R., Rochester, N. Y.
Samtman, Katie, Philadelphia, Pa.
Samtman, Martin, Philadelphia, Pa.
Sanborn, F. N., Boston, Mass.
Sangster, Joseph, Buffalo, N. Y.
Schineff, Mrs. E. A., Scranton, Pa.
Schloss, Emil, New York City.
Schmidt, Chas. A., Cleveland, O.
Schmutz, Louis, New York, N. Y.
Schultheis, Anton, College Point, N. Y.
Schultheis, Miss E. D., Scranton, Pa.
Schultheis, Anton, Scranton, Pa.
Schultz, Robert M., Madison, N. J.
Schulz, Jacob, Louisville, Ky.
Schwab, Henry, Zanesville, O.
Scribner, E. A. and wife, Detroit, Mich.
Secker, A. H., Rochester, N. Y.
Seele, H. D., Elkhart, Ind.
Seybold, Chas. L. and wife, Baltimore, Md.
Shaffer, Geo. C. and wife, Washington, D. C.
Sharpe, Chas. E., Rochester, N. Y.
Shaw, J. Austin, New York City.
Shaw, Le Roy E., Pittsfield, Mass.
Sheridan, Walter B. and wife, New York City.
Sick, Edward, Canandaigua, N. Y.
Siebrecht, W. H., Astoria, N. Y.
Siebrecht, Henry B., Long Island City, N. Y.
Siebrecht, W. H., Astoria, N. Y.
Simmond, S., Washington, D. C.
Skidelsky, S. S., Philadelphia, Pa.
Smith, F. M., Cleveland, O.
Smith, Geo., Cleveland, O.
Smith, H. J. and Dan, Hindsdale, Mich.
Smith, Jas. L., Rochester, N. Y.
Smith, S. Gerard, Boston, Mass. (Exhibitor.)
Smith, Wm. R., Washington, D. C.
Spears, H. M., Boston, Mass.
Sperling, W. H., New York City.
Stecher, F. T., Rochester, N. Y.
Steinhoff, H. H., West Hoboken, N. J.
Stewart, Wm. J., Boston, Mass.
Strange, G. W., Summit, N. J.
Strezeski, Theo., Rochester, N. Y.
Stringer, H. B., Rochester, N. Y.
Stuessy, the Misses Bertha and Clara, Louisville, Ky.
Suhr, Chas., Rochester, N. Y.
Suhr, John, Rochester, New York City.
Sullivan, N. A., Detroit, Mich.
Summerfield, E. H., wife and daughter, Salamanca, N. Y.
Swartz, Geo., Philadelphia, Pa.
Taepke, Gustave H. and wife, Detroit, Mich.
Tanner, E. L., Richmond, Va.
Taylor, C. C. and wife, Louisville, Ky.
Terrill, A. M. and wife, Calgary, Alberta, Canada.
Teute, Ferdinand, Rochester, N. Y.
Thilow, J. Otto, Philadelphia, Pa.
Thomann, F. C., Rochester, N. Y.
Thomann, Jacob, Rochester, N. Y.
Thomas, Gladys, Chicago, Ill.
Thomson, L. D., Atlanta, Ga.
Tickner, L. A., Rochester, N. Y.
Tickner, W., Rochester, N. Y.
Tieeser, J. H., North Bergen, N. J.
Tilton, S. W. and daughter, Baltimore, Md.
Tonner, Lillie A., Chicago, Ill.
Totty, Chas. H., Madison, N. J.
Tracy, B. Hammond and wife, Wenham, Mass.
Tracy, Edward P., Albany, N. Y.
Traendly, Frank H., New York City.
Traudt, Jos. and wife, Canajoharie, N. Y.
Turnbull, Mrs. A. D. and son, Carbondale, Pa.
Tuthill, L. W. C., New York City.
Umpleby, John H., Lake View, N. Y.
Valentine, J. A., Denver, Col.
Valentine, Wm., Barnards, N. Y.
Vaughan, J. C., Chicago, Ill.
Vick, A. F., Rochester, N. Y.
Vick, Fred'k W., Rochester, N. Y.
Vincent, R. A., White Marsh, Md.
Vincent, R., J. and wife, White Marsh, Md.
Virgin, U. J., New Orleans, La.
Vogt, A., Coldwater, Mich.
Vranker, Frank, Brooklyn, N. Y.
Wade, Thos. J., New Rochelle, N. Y.
Waedecker, H. and wife, Boston, Mass.
Wait, Wesley, Newburgh, N. Y.
Waldbart, Alex., St. Louis, Mo.
Waldbart, E. J., St. Louis, Mo.
Walker, John and wife, Youngstown, O.
Walrath, F. H., Rochester, N. Y.
Warnke, Wm., Cleveland, O.
Washburn, Chas. L., Hindsdale, Ill.
Watson, H., Rochester, N. Y.
Watson, Hugh, Detroit, Mich.
Watson, J., Rochester, N. Y.
Watson, John S., Newark, N. Y.
Watson, Robert, Detroit, Mich.
Webb, Adelbert J., Rochester, N. Y.
Weber, F. H., St. Louis, Mo.
Weimer, G. E., Rochester, N. Y.
Welch, Patrick, Boston, Mass.
Welch, S. R., Painesville, O.
Westcott, John, Philadelphia, Pa.
Weston, Chris., Rockville Centre, N. Y.
Weston, Henry, Hempstead, N. Y.
Whitmann, R. and wife, West Hoboken, N. J.
Wichmann, Fred'k, Rochester, N. Y.
Wiegand, A., Indianapolis, Ind.
Williams, H. A., Utica, N. Y.
Wilson, Edwin, P., Rochester, N. Y.
Wilson, Ella Grant, Cleveland, O.
Wilson, J. S. and wife, Des Moines, Ia.
Wilson, Robert G., Brooklyn, N. Y.
Windler, Robert J., St. Louis, Mo.
Winegard, Alfred A., Spencerport, N. Y.
Winkler, Robt., St. Louis, Mo.
Winterich, Chris., wife and son.
Witthuhn, Fred'k C., Cleveland, O.
Wolf, Chas. B., Baltimore, Md.
Wolff, J., Jr., Philadelphia, Pa.
Wollmers, J. A. and wife, Brooklyn, N. Y.
Wood, E. A., Boston, Mass.
Wumsch, Theo. H., St. Louis, Mo.
Zvolanek, Ant. C., Round Brook, N. J.
Zweifel, Nic., No. Milwaukee, Wis.

The Ladies' Society of American Florists

At the annual meeting of the Society, held on Wednesday, the following officers were elected: President, Mrs. John Phillips of Brooklyn, N. Y.; vice-president, Mrs. Julius Roehrs, Jr., of Rutherford, N. J.; second vice-president, Miss Margaret Vesey of Fort Wayne, Ind.; treasurer, Mrs. Albert M. Herr of Lancaster, Pa.; secretary, Mrs. Chas. H. Maynard of Detroit, Mich.

Mrs. W. M. Montgomery of Rochester made the address of greeting to the city, which was responded to by Mrs. J. C. Vaughan of Chicago. The Society has offered $150 as a prize for table decorations to be held at the flower show in Boston, Mass., next Spring.

On Wednesday afternoon, the Ladies' Society was given an automobile ride by the Rochester Florists' Association; more than 30 cars were driven.

On Wednesday night this Society gave a reception to their husbands and friends at the Hotel Seneca, 400 being present. The Misses Poehlmann of Morton Grove, Ill., entertained the guests with fancy dances, and Miss Perle B. Fullmer, with songs. Dancing was enjoyed and refreshments were served.

On Thursday morning the ladies held a bowling tournament.

The secretary reports a large accession to its membership at Rochester.

American Carnation Society

This Society held a meeting on Thursday morning, Aug. 18, at 10 a.m. The principal business was the adjustment of matters relating to the National Flower Show, in Boston next Spring. The offer of the show committee to appropriate for the Carnation sections $750 was accepted with the thanks of the Society. The matter of additional prizes to be offered by the Society was, upon motion of F. A. Patten, left in the hands of the officers of the Society, with the understanding, as insisted upon by the Flower Show committee, that the premiums offered but not awarded become an asset of the show.

The arrangements for the annual meeting were left in the hands of the secretary, with the idea that the sessions be cut down as closely as possible. A design for a society button was laid before the meeting, and the matter of having buttons made left with the secretary. The awarding of the Society's medal of merit, for the new Carnation which should remain on the market three years and be still at the head of its class, was, upon motion of A. M. Herr, referred to the board of directors for action.

American Rose Society

This Society held a meeting on Thursday morning, Aug. 18, with a fair attendance of members. Chairman Pierson of the National Flower Show committee stated that his committee had appropriated $1750 for premiums in the Rose section of the show to be held in Boston next Spring, of which amount $1000 was to cover cut flowers, the balance pot plants. Considerable discussion was evoked in regard to the proposition that the Society add such premiums to this list as it would wish to, with the understanding that such premiums as were donated and scheduled but not awarded become an asset of the show.

Wallace Pierson of Cromwell, Conn., moved that the president be authorized to appoint a committee to draft the schedule, which motion was carried.

P. Welch of Boston moved that the American Rose Society guarantee payments of any premiums offered in excess of the amount tendered by the show committee, which the committee of the Society should deem necessary, and that any funds that shall be added to this amount shall become an asset of the National Flower Show Committee. The motion was carried.

A motion by Wallace Pierson, that the Flower Show schedule as referring to Rose plants be adopted by the Society, was also carried.



Grass Walk Showing Herbaceous Border in Ellwanger & Barry's Grounds, Rochester, N. Y.

Meeting of the American Gladiolus Society

This, the first annual meeting of this Society, was held in Convention Hall, Rochester, on Thursday morning, with President Hendrickson in the chair. After the opening formalities were dispensed with, the President read his address, which embodied many new and interesting features. The address was adopted as read and the recommendations freely discussed, resulting in the future appointment of committees to attend to these matters.

The treasurer's report showed the Society to be on a sound footing. The report of membership committee was adopted, and many new names were proposed as charter members and accepted.

The report of the exhibition committee showed the exhibit to have been fully up to the expectations of the Society and several new recommendations were embodied, which will be acted upon later. The judges report, read by Prof. Judson, was adopted as read, the committee being offered a vote of thanks for its excellent work.

Owing to lack of time the reading of several papers was dispensed with, these being referred to the secretary, who will see that the press committee takes the matter of printing them into consideration.

The matter of affiliation with the S. A. F. was considered and it was stated that the Society was fully in favor of this being done. After considerable discussion the meeting adjourned

Exhibition of the American Gladiolus Society

Never before have Gladioli been so prominently brought before the public as at this convention. James Vick's Sons, H. A. Dreer, A. T. Boddington and J. C. Vaughan's Seed Store, all making grand displays. Dreers had some remarkably fine spikes of Deuil de Carnot, Charlemagne, America, Heliotrope, Rosella, Henri Lemoine, etc. In A. T. Boddington's exhibit were Lavender Queen, Alaska, Attraction, Silver Sheen and Mrs. King. Arthur Cowee of Berlin, N. Y., made a magnificent display, not for competition; among the many good things were War, Dominion, Empire, Peace, La Lune, Dawn, Afterglow, Lavendula. E. E. Stewart, Rives Junction, Mass., showed a very large collection, not for competition; very noticeable were the following: Mad. Monnette, McKinley, Shakespeare, May, Seedling No. 97, President Taft, Golden Queen and Fairy Queen.

John Lewis Childs' collection, which captured the beautiful silver cup for the largest collection of named varieties, consisted of 120 varieties; some of special merit were Sulphur King, Blanche, Aline, Wild Rose, Rosy Spray, Jay, Glowing Coal, Cardinal, Attraction, Contract.

B. Hammond Tracy's (Wenham, Mass.) exhibit was one quite out of the ordinary run and was highly commended by all; it consisted of a dinner table arranged for four. Gladiolus Dawn was used throughout, a vase in the center with this variety and Maidenhair Fern was most artistic; at each plate a few flowers were placed. It is to be hoped that at the next convention good prizes will be offered for table decorations, for surely this is the best way to educate the people to an extended use of the Gladiolus. Among the flowers he staged of special merit, were Purity, Elizabeth Kurtz, Catherine and Mr. James Lancashire.

Most of the growers complained of the severe drought of the Summer; some could not bring their flowers through this cause. H. Y.

The Following are the Awards

Silver medal offered by Vaughan's Seed Store for the best 25 spikes Mrs. Francis King: 1, B. Hammond Tracey, Wenham, Mass.

Ten dollars in gold, offered by Peter Henderson & Co. for the best 12 vars. not now on the market, 3 spikes each: 1, W. H. Koerner, Milwaukee, Wis.

Silver medal, offered by W. W. Rawson & Co. for best 25 varieties, 3 spikes each: 1, Arthur Cowee, Berlin, N. Y.

Silver medal, offered by W. W. Rawson & Co. for the most artistic basket filled with Gladiolus America: 1, B. Hammond Tracy.



River Gorge from Maplewood Park, Rochester, N. Y.

Silver gilt medal, offered by W. W. Rawson & Co. for the best American seedling never before exhibited or yet disseminated: 1, Vaughan's Seed Store, Chicago.

Bronze medal, offered by W. W. Rawson & Co. for 10 spikes new scarlet Gladiolus: 1, Arthur Cowee.

Silver medal, offered by W. W. Rawson & Co. for best 10 spikes pure white Gladiolus: 1, Vaughan's Seed Store, Chicago.

Five dollars in gold, offered by A. L. Miller for the best display of pink and white Gladiolus: 1, Arthur Cowee.

Five dollars in gold, by E. H. Cushman for the best vase of 25 white: 1, Arthur Cowee; 2, B. Hammond Tracy.

Five dollars in gold, by A. T. Boddington for the best vase of any named yellow variety: 1, E. E. Stewart, Rives Junction, Mich.

Silver cup, offered by Geo. B. Hart for the exhibit containing the largest number of standing named varieties: 1, John Lewis Childs, Floral Park, N. Y.

Ten dollars, offered by H. H. Groff for the best exhibit of white and light; dark, blue, and yellow hybrids: 1, Arthur Cowee.

Silver cup, offered by Montague Chamberlain for the best 6 named varieties, one spike each: 1, B. F. White, Terryville, Conn. H. Y.

Annual Meeting of the Florists' Hail Association

The election of officers resulted as follows: President, E. G. Hill, Richmond, Ind.; vice-president, John T. Temple, Davenport, Ia.; treasurer, Joseph Heacock, Wyncote, Pa.; secretary, John G. Esler, Saddle River, N. J. The two latter officers were re-elected.

The new directors are J. C. Vaughan of Chicago and H. H. Ritter of Dayton, Ohio. The discussion as to limiting of risk on glass in the future was referred to a committee of three, Messrs. Vaughan, Heacock, and Esler; this committee will report a year from now. Two assessments were ordered, the first one taking effect Nov. 1, 1910, the second April 1, 1911. Until cash is received from these assessments the finance committee has authority to draw from the reserve fund bonds as collateral. It also has authority to invest such reserve funds as may be accumulated during the year. An amendment to the by-laws, recommended by the directors, and on which action will be taken at next annual meeting, is in effect that assessment of single thick glass be raised to 10c. instead of 8c., single thick having received a larger proportional benefit than the double thick to amount paid out in losses. The Association has taken in one-half million feet new business within the past two weeks, principally from the East, and applications are now in for one million feet more.

Canadian Horticultural Society

This Society opened its thirteenth annual convention at St. Catharines, Ont., Wednesday, August 10, in the Public Library Building; a large membership was represented.

E. J. Mepsted of Ottawa replied to the addresses of welcome delivered by Mayor McBride, for the people of St. Catharines, and by Col. Carlisle for the St. Catharines Horticultural Society. He returned thanks for the hearty welcome extended, from which he inferred that the Association had made a mistake in not coming here before. He assured the Mayor and Col. Carlisle that the delegates would use as much time as they could spare in accepting the invitation extended them to see a little of the country and vicinity. St. Catharines was an ideal horticultural spot, having a horticultural look whatever way one turned.

President H. E. Philpott then delivered his address, as follows:

Ladies and Gentlemen: As president of the Canadian Horticulture Association, I extend a welcome and greet you to our convention and fourteenth annual session here in St. Catharines. We sincerely trust that every session may prove interesting enough to have you all present at each.

The first thing let us get acquainted with each other. The fault of these meetings to a great extent is that we do not extend to the strangers assembled with us the cordial greeting or friendly hand-clasp that would warrant them to feel at home like the rest of us who are better known to each other. Do not let any of us go home from these meetings without having become acquainted with each other, not only the members of our Association, but our brothers who have become interested enough to visit and join us during this time; let us feel that they have not left us total strangers.

It would be a good idea to appoint a committee to take charge of this most essential feature, to introduce to each other the members and friends who are gathered with us. It may be that among us are one or more total strangers who having become interested in our aims and ambitions to progress in horticulture, have taken this opportunity to meet us as a body in discussing and bettering the interests along this line; they may just by the friendly clasp extended to them be induced to become one of us.

The object of this Society is to lift and carry forward all and everything that tends to advance and perfect our work along all lines and in all branches of our profession, and to impart such knowledge as may be known to each to all its members, so they can also share in the benefits of same. So let us present any subject and enter into all discussions of the analyzation of any economic questions of the day.

While we are as yet practically a young organization, much is expected of us and the efforts of this Society, and we want to do our best to instruct our members and educate the masses in all lines pertaining to horticulture. We want to widen and deepen the interest in our profession by increasing our membership to such an extent that we will embrace all the leading men of Canada who are interested in any lines in the calling of horticulture. We want to encourage the formation of kindred societies, encouraging exhibitions of plants and flowers, by bringing into closer relationship the retail dealer with the grower and wholesaler, as unless the retailers make a success of their business it is hopeless to expect that the grower or wholesaler can do so. What we want to do is to make our meeting so interesting and of such value to its members that they will look forward to each time of meeting. To do this we must all work together, and those of us who are experienced in the work must be willing to impart their knowledge to the others by discussing the best methods of growing and treating the various plants and flowers that each is individually interested in, to show and explain to each other what we have found to be the most profitable methods of erecting and constructing greenhouses, best way to heat, ventilate and all points that will help to give us the best results in turning out and realizing to the greatest extent the products of same; the best kind of treatment, foods and nourishment that we find most beneficial from our experiments along this line; the means we have found best is getting rid of disease and insects that attack the different plants, and so try and help each other to our uttermost in making work less arduous and more profitable. By the practical experience of our brothers we can be enabled to prevent a waste of time, waste of energy, waste of money, and a waste of hours that would be more beneficial to us if spent in recreation and amusement. It is only by our untiring efforts and working together along these lines that we can hope to add to our list of members, and show them we are organized to further perfect and help along the interests of the florists in all lines and branches.

And while we know that our exhibitions and meetings will admit of many improvements to the public, we can but do our best to make them educative and instruct them on the lines we are working in, as nearly right as we know how.

I feel that I can safely state that there is a grand future for us in this country, as the extensive building and erecting of greenhouses and the starting of nurseries during the past year convince me that times are prosperous and if we work diligently together we should be able to add greatly to our list of members before we hold our next convention.

I have observed that what is, in my opinion, a grand opening in the wholesale trade. Why should we, with such opportunities within our reach to grow stock in a wholesale way, depend on so much stock from across the borders, when by avoiding these conditions it would tend to bring us in closer relationship with each other and further advance us in establishing a universal association among the florists and growers of this country? Let us try with all our might to push the good cause and to bring ourselves on the same footing as older organizations of this kind. Let us take an interest in the younger members of the profession and establish some measure of qualification, so that they may become capable and proficient in entering into the many places in horticulture which in this age present so many opportunities for those who are qualified to fill such positions. Let us not think what others are going to do for us; let us aspire and endeavor to do more for others than we expect as individuals to receive.

There is no reason why, as all interested in the same pursuits and knowing that we must really need at this advanced age a society like ours, where we can meet each year and come in personal contact with each other for the comparing of notes and discussion along lines of advancement and progression, we should not become one great body and embrace nearly all in the same calling all through our country.

One principal subject at this convention that I wish to present to you, and which will be brought up for discussion, is regarding the duty on plants, flowers and supplies. Shall we petition to abolish the duty on plants and flowers coming into Canada, or will it be advisable to have it abolished on plants and supplies only? I trust that during the sessions our deliberations may be earnest, honest and decisive and that each one will express his own individual opinions either by speaking or voting on any subject that may be presented. I hope for a continuance of the advancement and prosperity of this Society, that we may advance along all lines regarding the interests and pursuit of horticulture.

In closing, I wish to state that I hope all members present will embrace the invitation extended by the city of St. Catharines to become their guests on Friday; also that as many as possible will attend the convention of the S. A. F. that is to be held in Rochester next week.

Secretary Hall then read his report, a portion of which dealt on the tariff question, an endeavor having been made to obtain the opinion of the trade on that vital issue; out of 300 forms sent out, however, only 30 were returned duly filled out.

Treasurer Simmers followed with his report, showing the treasury to be in good condition.

In the evening session Prof. Hutt of the Ontario Agricultural College gave an interesting lecture on "Civic Improvement," illustrated by lantern pictures, choosing as his subject Muskoka and other sections. Prof. Hutt's lecture was highly enjoyed, the scenes thrown on the screen illustrating many of the defects of modern civilization as well as some of its attractive features. He gave the red, white and blue as a lawn mixture, comprised of Red Top, white Dutch Clover and blue Grass. He showed the effect of different varieties of trees and shrubs, such as Snowballs, Lilacs and Hydrangeas and Vines such as the Boston Ivy, Virginia Creeper, climbing Roses and Honeysuckle; a border of old-fashioned flowers, the Oriental Poppy, Gladioli and a border in Algoma, in which hundreds of Roses of different varieties appeared. He pointed out what might be done with the national flowers, saying the wild Aster is cultivated in England. He showed what could be done with the Lady's Slipper. A picture of Mr. White's back garden in Ottawa, the rear of which is on Sir Wilfrid Laurier's ground, was made the basis of a fancy that the Premier's "sunny smile" was occasioned by frequent trips over his back fence. He advocated room for the children to play, and the cultivation of their minds to a love for the beautiful and closed amid hearty applause.

Officers elected were as follows: President, J. Connon, Hamilton, Ont.; first vice-president, Alfred Wilshire of Montreal; second vice-president, R. L. Dunn, St. Catharines, Ont.; secretary, Wm. C. Hall, Montreal; treasurer, C. H. Janzen, Berlin.

Much of the time of the meeting was occupied with the tariff question, many good papers were read and the relaxation features were characterized by many pleasant sociable outings and a banquet.



Culvert of Erie Canal Across Genesee River, Rochester, N. Y.

Value of Experiment Stations to Ornamental Horiculture

Read by W. N. Rudd before the S. A. F. & O. H. in Convention at Rochester, August 17, 1910.

What the Stations Have Done for the Farmer

We would nearly all of us receive with scornful disbelief a statement that the farmers were our superiors in enterprise and in "business horse sense," and yet such is the fact in certain directions.

The farmer early realized the enormous possibilities for good to him in the experiment stations, and he also realized that here was a chance to get back in direct benefits some of the money he was paying out in taxes. He realized this, acted on it and developed a gold mine. The experiment stations have revolutionized all agricultural and horticultural operations in the past few years, save and except the ornamental branches, whose workers have shown almost no interest, and have largely refused to receive help where offered. It is human to work along the line of least resistance. The farmer received gladly what was offered and clamored for more. When funds were scanty he besieged the legislatures and compelled them to continually increase the appropriations for his work.

You can't sell the farmer gold bricks any more. If you try to sell him oat hulls flavored with molasses to feed his cows, he will talk understandingly about fats and proteids (which you and I know nothing about), he will ask for a guaranteed analysis, and will know what it means when he gets it. You can't fool him any more. He has been educated by the experiment stations and whenever in doubt, consults them—his best friends and counsellors. He knows about nitrogen and potash and phosphorus; which he needs, and how much he should get for his dollar. By his support, the stations have accomplished the impossible, and compelled the meat trust to be fairly honest in selling its fertilizers. The stations, through the printed matter they are sending free to all who will receive it, through the farmers' institutes which meet in all the sections of the State, and by experimental farms favorably located, are telling the farmer what crops to grow and how to grow them; what fertilizers and feeding stuffs to use and how to use them; how to take care of his pigs, his chickens, and his family; how to build his barns and his fences; how to breed his live stock; in fact, everything relating to his business. He sends his sons to the agricultural college, and even goes himself for the short courses every where given now.

What the Florists Get From the Stations

What do we get out of this proposition? Nothing! We help pay the bills and the farmers get the benefits. Just as long as we don't squeal and get our feet in the trough they will continue to do so. Not that they are to be blamed or that anything should be taken from them—just have the trough lengthened, more feed put in, and one end partitioned off for us.

Gold Bricks in the Coal We Burn

We are just as much in need of help as the farmer ever was—very likely more so. Take the coal pile. We buy more gold bricks along with our coal every year than the farmer ever did. What member of this Society can truly say that he knows anything accurately about coal? Who of us knows what a "British Thermal Unit" is? The farmer knows all about proteids and fats in his feeding stuff and we do not know even the name of a unit of measure of heating value. We know only in a vague way that one coal is supposed to be better than another. We do not buy on actual heating value basis, we do not burn our coal economically, and we do not know whether we get what we buy or not. Verily, the smoke from our chimneys represents a world of wasted dollars.

Guaranteed Coal for Florist's Use

Practically every State makes the seller guarantee to the farmer just what he is getting, and how much of each, in his fertilizer and feeding stuffs. No State makes the seller guarantee to the florist what he is getting, or how much, when he buys coal. No seller is compelled to tell you that his coal is high in sulphur and, though of good heating value, not suited to your conditions for that reason. Why should not the coal man guarantee his coal in the same way the feed man does his feed or the fertilizer man his phosphate? One coal is good under certain conditions and very poor under others. Coal is our heaviest expense, after labor. In every market there are cheap coals which are very dear to use, and high priced coals which may be the cheapest in the end; but we do not know about it, we only guess. It takes money, and time, and scientific knowledge to work these matters out and put the knowledge obtained in shape to be usable by the busy commercial man.

When the farmer buys a car of phosphate rock, he buys it under a guarantee as to the amount of phosphorus it contains. He pays as his share, $1.50 for an analysis of that car by a public official. If the percentage of phosphorus varies from the guarantee the bill is changed so as to cover the exact amount of the phosphorus in that particular car. He buys what he wants and knows to a certainty that he gets what he buys.

Is there any reason why we could not be put in position to buy a car of coal with a guarantee as to its heating value and an analysis showing the percentage of sulphur and other deleterious substances?

As to Fertilizers and Manures

The whole science of fertilizing has been studied and well worked out for the farmer. This does not help us greatly. Our conditions are different. Our culture is intensive. The farmer's needs are for reasonably good results *cheap*. The difference between nitrate of soda and sulphate of ammonia, between sulphate of potash and muriate, are settled for him. All those subtle distinctions between stem and leaf growth, color, size of flower, substance, and date of maturity of the flowers, are nothing to the farmer and everything to us. A difference of ten dollars per ton in fertilizers of the same elements would be vital to the farmer, while a difference of three times that amount would be nothing to us if balanced by some small difference in effect on leaf or stem or flowers.

We are so ignorant that we say, let chemicals alone, even if you have to start a dairy to obtain the natural manure. This is right and proper so long as we remain in our present state of ignorance regarding the use of chemical manures, but it is so merely because we lack the "know how," and because it is too expensive for the ordinary man to teach himself. There is every reason to believe that equally good results could be obtained by the exclusive use of chemicals in connection with the proper amount of humus as by the use of animal manures. It is even quite probable that were this subject worked out to its ultimate end, means would be at hand to attain results which our present wildest dreams would not measure. The Illinois station is working upon this line, but the subject is so extensive that half the stations in the country could investigate it to good advantage for years to come.

Breeding and Diseases

The cross breeding of varieties is a most fascinating work. Breeding for the purpose of obtaining new commercial varieties is to be left to the commercial grower, however, but there is a vast field for the experiment station worker in studying the many unknown things about the subject which makes failure the rule and success the exception.

Insects and fungous diseases, like the poor, we have always with us and new forms are constantly appearing. The demand for work here is never ending.

The testing of the commercial values of varieties has no place in the station work except so far as making notes of such facts as incidentally become evident in growing and studying plants for more legitimate purposes. This is not to be understood as applying to the importation and testing of new or unknown species, which is valuable and legitimate work. The commercial grower can do his own testing better and quicker than the man who has no commercial knowledge and can not work under commercial conditions.

The Florist Should Have the Trough Lengthened

The above are only a few of the many ways in which the stations can help us. Almost without exception the station managements are not only willing but would be glad to take up this work for us. The funds are rarely available, however. Our part of the work is to get in touch with them, tell them what our needs are, find out what facilities they must have, and then go to the legislature and get the money.

In closing, the writer wishes to urge each member to look at last year's report of this Society, page 171, and see what his State is doing for floriculture, which, in most cases, he will find to be nothing at all. Illinois has a good start, Maryland is doing well, while Pennsylvania, the second (certainly not worse than the third) State in the Union in floriculture, is doing nothing. Indiana, with its old and well organized State Florists' Association, has allowed the floricultural department, which was doing such brilliant work a few years ago, to die of starvation, and so it goes on from bad to worse. It is a shame to us and might so easily be different.

Truly, the farmer appears to have more enterprise and more business sense than we have, and he certainly has more exact knowledge and better technical training for his work.

Plants versus Cut Flowers

Paper read by Geo. A. Robinson, of Montreal, before the Convention of the Canadian Horticultural Association at St. Catharine's, August 10-12.

The subject of this debate, namely, Plants vs. Cut Flowers, for the holiday trade is an open question and one which every florist has to answer for himself, but comparing the florist holiday business today with that of twenty years ago and the difference in the class and quality of goods handled then and now, I have no hesitation in saying that plants have had a great deal more than cut flowers to do with the revolutionizing of the florists' business at these particular seasons. Even as far back as my connection with the trade goes, flowering plants have been in favor, but never as much as at the present time. And can it be wondered at?

I need not go into history, but just mention the facts as they exist at the present time. In all uptodate floral establishments, a week or so before Christmas or Easter, the florist begins to fill up his store with flowering plants, arranging the windows with some especially well grown plants, the colors harmoniously blended and artistically displayed. This arrangement will appeal to the public taste and arouse more interest than the best arranged window of cut flowers, lily ponds, old mills, or any other of the florists' creations—and why not? The finest vase of cut flowers can never compare with a growing plant. To see and enjoy the full beauty of a flower it must be seen in a natural, growing condition, adorned only by its own foliage, with which nature has so artistically and fully endowed every living plant. What is more beautiful than a well grown Cyclamen plant, with its luxurious foliage and butterfly-like flowers, a well grown Poinsettia, a beautiful Azalea, or Primulas in variety? A plant of Begonia Gloire de Lorraine is a thing of beauty impossible to duplicate in cut flowers. Then the combinations possible by these growing plants have made baskets and hampers the popular articles they are today. Not only combinations of plants, but a basket filled with one variety only is a much better seller than the same flowers in a cut state. Take, for instance, a basket or pot of Tulips growing and the same number of cut Tulips and see which sells the best; or compare a basket made up of Easter Lilies or a well grown Lily plant with a vase of cut Lilies and note the difference. There are endless ways in which plants can be used in receptacles without losing their individuality or marring their beauty in any way; but it is not my intention to mention them at this time—only to show the importance of plants at holiday seasons. A great point in favor of the plant over cut flowers is the large variety which a customer has to choose from instead of the everlasting Roses and Carnations. We have for Christmas all shapes and sizes of plants at prices to suit all customers, large or small.

The most important flowering plants for Christmas are Azaleas, Cyclamens, Begonia Gloire de Lorraine and its various forms, Poinsettias in all sizes from large pans down to 2½-inch pots, Primulas obconica and Sinensis, Begonia incarnata, Solanum, and Ardisia for berried plants. At Easter the Lily takes precedence over all other plants; then Spiraeas, Azaleas, Lilacs, Rhododendrons, Roses (Hybrids and Ramblers), flowering shrubs, bulbous stock and lots of odds and ends which go to make up an interesting and profitable display. Apart from these, foliage plants are always in great demand at these seasons. Boston Fern and its various forms are the most popular; Adiantum Farleyense, Fern-dishes, Rubber plants, Araucarias, Dracenas in variety, and Aspidistras are all sold in large quantities for the holidays.

Another point in favor of the plants over the cut flowers is their beauty and freshness. How often do we hear complaints of cut flowers going to sleep through being kept too long; but very rarely do we get the same complaints about the plants. A plant grower times his plants so well that there is no ground for a kick. He knows—or should know—just exactly how long a plant will take at a given temperature to come into bloom, and after being hardened off these plants are able to stand any ordinary house treatment long after cut flowers are in the ash barrel. This, I think, is the greatest factor in making the holiday trade a plant trade. I have never yet seen a holiday when good plants were a drug, but I have often known them to be a scarce commodity.

The price of plants compared with that of cut flowers at holiday times, is another factor in popularizing the plants at these seasons; the demand is naturally greater than at ordinary times, while the supply of cut flowers is practically the same as at any other period of the year. This state of affairs is a great temptation to the wholesale grower to raise the prices sometimes beyond reason. The retail florist has to do a lot of explaining, especially to regular customers, as to the reason why the price of cut flowers is double and sometimes treble what it was the week previous. Some customers believe the florist, others go away without buying, thinking it is a holdup. New customers, especially, often get so disgusted with the prices asked that they never come back; the consequence is, the retail florists will push the sale of plants rather than cut flowers. They can show samples and fill all orders with good stock instead of risking the increase of prices and the doubtful quality of cut flowers so often supplied at this time. The prices of plants do not fluctuate at all, and the flower-buying public get to know this and purchase accordingly.

As to the future of plants for holiday seasons, all I can say is, that I firmly believe that the popularity of plants will increase every year—more so than they have in the past. The satisfaction they give to the purchaser, their moderate price, and the certainty of the supply are bound to tell, and I would strongly advise the growers to be alive to this branch of the business.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. Samples will be forwarded on application.

Among the Growers

John Lewis Child's Gladioli Farm, Flowerfield, L. I.

Fifty miles from New York City, on the Wading River branch of the Long Island R. R., is situated Flowerfield, the 713 acre farm of John Lewis Childs of Floral Park, L. I., N. Y.

Saturday, Aug. 13, was Gladioli day at Flowerfield. Invitations had been previously sent out to representatives of the trade and trade papers to be present on that day. On arriving at Flowerfield the visitors were met by I. S. Hendrickson (who has charge of the wholesale Gladioli department at Childs' and is president of the National Gladioli Society) and immediately conveyed to the Gladioli fields, where they were met by John Lewis Childs and his general manager, A. H. Goldsmith.

First in order was a drive around the different Gladioli fields under the guidance of Mr. Hendrickson. Secondly, there was an automobile ride over and around the 71-acre farm, covering more than a square mile.

Hon. John Lewis Childs and Mr. Edward Thompson, of Northport, L. I., gave their annual clambake this day on the Childs' farm to fifty or more of their friends, and all, in ten to fifteen autos joined in this ride over the farm.

After this came a closer inspection of the Gladioli blooms by those especially interested in that now popular flower. It is a marvelous fact that though this new estate was purchased by Mr. Childs only a few years ago, and little work was done on it before 1909, 200 acres of it are now planted with Gladioli, and the brilliant blooms of these explain at once to the visitor why the estate is called "Flowerfield." Four hundred varieties, the bulbs of which are regularly carried in stock, and 1500 varieties which are being tested, are being grown. The crop of marketable bulbs this year will be 5,000,000. Besides these there is the very great number of small bulbs which have not yet reached the marketable size.

When the Gladioli bulbs of full size are dug in the Autumn each year there are around each from 10 to 20 little bulblets. These are sown in drills the next Spring, and at the end of the third season's planting they become bulbs of flowering size. Seeds are also sown, saved from flowers, either naturally or artificially hybridized, and so new varieties are obtained. Furthermore, the old bulb renews itself each season.

The Gladioli, many of which are now in bloom on these 200 acres, include nearly the whole range of flower colors and countless combinations of colors, and present an indescribably beautiful and attractive sight. A large part of these 200 acres is planted with Gladioli Childsi, a superior strain brought out by John Lewis Childs. Many of the Gandavensis varieties, and of Lemoine's Hybrids, and some of Groff's Hybrids are also grown.

Among the large number of very meritorious varieties of the Childsi are noted the most popular, and beautiful of all, America; I. S. Hendrickson, a very large flowered variety; Blanche, one of the best whites; Cardinal, a brilliant scarlet; Wm. Falconer, a beautiful pink bloom; Harlequin, a mottled variety; Attraction a scarlet with white throat; and Wild Rose, whose color is indicated by its name.

Very interesting are the Primulinus Hybrids giving a variety of yellow blooms. Baron Hulot, one of the Lemoine's Hybrids, a blue Gladiolus and the blue hybrid seedlings look very odd among the brighter colors. Sulphur King, one of the best yellows, shows up well, and Mrs. Beecher, one of the old Childsi varieties, easily holds its own among the new comers. Brenchleyensis, another old favorite of the Gandavensis varieties, makes the field look very bright. A large plot of Salem, a very showy salmon pink is seen, and Isaac Buchanan, a Gandavensis variety a very fine yellow; also Scribi, a large open flower, tinted white with carmine stripe, and carrying enormous spikes.

Near the railroad a hollow tile, cemented building, 90 ft. by 200 ft., has been erected with cellar under part of the structure. This is used as a storage, packing and shipping house. The foundations of a railroad station have already been laid.

Among the visitors were George L. Ehrle, representing Bobbink & Atkins, and Charles Littlefield, representing Peter Henderson & Co.

At one o'clock, under the shade of the spreading trees, all the visitors sat down to a clambake dinner. Baked clams, potatoes, broiled lobsters chickens, melons, etc., disappeared in astonishing quantities, and the keen appetites of an hour before were hopelessly lost as the groaning tables were relieved of their viands. The representatives of the trade and trade papers already knew that John Lewis Childs was "all right" and after this clambake dinner they readily joined in the cry that Edward Thompson, too, was "all right."

As the guests left Flowerfield, after a very enjoyable day, each was presented with a large bunch of Childs' choicest Gladioli blooms.



Group of Guests at the Clam Bake Given at Flowerfield by John Lewis Childs and Edward Thompson

E. D. Badgley, Murray Hill, N. J.

The four steam heated houses, 8000 ft. of glass, of the Badgley range are used for growing pink Killarney only, three houses of two year old plants, and one of young plants, take the place of Bridesmaid which has been discarded. Three houses are furnished with raised wooden benches, and one with a solid concrete bed. The bench houses are planted to own root plants and the solid bed to grafted stock.

Mr. Badgley is much pleased with the results from the solid beds, from which he has cut more blooms than from the benches, and of just as good quality. All the plants of this range show good culture and are in a very promising condition. The cut of blooms is consigned to Traendly & Schenck, 131-133 West 28th st., New York City.

B. Lapp, Murray Hill, N. J.

Strictly speaking, Mr. Lapp's range of greenhouses is in Chatham township. It consists of three steam heated houses, 5000 ft. of glass, running east and west on a steep side hill. These houses are all filled with young plants of Bride and Bridesmaid Roses, which show good, clean culture. Outside, some shrubs, Asters, and about half an acre of Dahlias are grown. The latter are full of blooms and buds.

Mr. Lapp's holding consists of about nineteen acres. The water supply is from three outdoor cisterns and a well. The cut of flowers is consigned to Bonnet & Blake, 130 Livingston st., Brooklyn, N. Y.

Charles J. Springsteen, Murray Hill, N. J.

Mr. Springsteen is leasing the L. C. Rubsamen range and has been here two years. The range consists of six houses, 17,000 ft. of glass, four heated with hot water and two with steam. The wooden bench system is used. Bride and Bridesmaid Roses only are grown, all own root stock, about one-third young stock and the balance two and three years old. The cut of blooms is consigned to Walter F. Sheridan, 131-133 West 28th st., New York City.



Field of Gladiolus at Flowerfield



Showing Rear of the New Bulb House of John Lewis Childs at Flowerfield, only a few feet from railroad station. Built of concrete blocks, 90x200 ft.

MURRAY HILL, N. J.

Every one in Murray Hill who has a greenhouse range grows Roses, and, with hardly an exception, Roses exclusively. Not a single new variety of Rose is being tried. Pink and white Killarney, American Beauty, Bride and Bridesmaid and a few Richmond and still fewer My Maryland make up the whole list of varieties planted. The soil of this section is largely a reddish clay. Raised wooden benches prevail, but a few solid beds are being tried, and the good work in concrete benches and beds has begun. The danger in the concrete bench line is that growers unacquainted with working in concrete will erect home made benches, which will not endure the test of time, instead of giving the contract to some experienced and responsible manufacturer. Gravity steam heat is mostly used. Some new greenhouses are being erected and the Parcells range is being removed. The scenery at Murray Hill is varied, picturesque and attractive, and offers many fine situations for country homes.

L. B. Coddington

The two largest greenhouse ranges at Murray Hill are the two Coddington ranges. The larger and more modern range, not far from the R.R. station, is now operated under the style of the Murray Hill Rose Co. The smaller, but nevertheless a large and well kept range, is near Mr. Coddington's residence, and has long been known as the L. B. Coddington range.

To show the steady growth of the Murray Hill Rose Co. range, which now consists of ten houses, with 100,000 ft. of glass, it may be stated that in 1905 there was erected a house 37 by 400 ft., in 1906 one 55 by 400 ft., in 1909 one 55 by 425 ft., and in 1910 one of the same size. This shows that large houses are growing in favor.

These houses were erected by Hitchings & Co., and the one last built is provided with side ventilation, at the very bottom of the house, worked by an apparatus, the arms of which do not extend at all into the side path, and provide a ventilation apparently much superior to ventilation by side sashes. The range is heated by three separate steam heating plants, on the gravity system; two of them are provided each with two 60 h.p. tubular boilers, and one with two 150 h. p. boilers of the same kind. The new smoke stack for these boilers is 110 ft. high. The walls of the two commodious sheds and of the newer greenhouses are hollow tiles, cemented over. The range is practically fire-proof.

The entire range is devoted to growing Roses. The varieties grown are pink Killarney, American Beauty, Richmond, Bride and Bridesmaid. All of the plants are in very nice condition, and the whole range shows good care and efficient management. It is noted that paper boxes are used for the shipment of flowers. The cut of blooms, both from this range and the other Coddington range, is consigned to H. E. Froment, 57 W. 28th st., New York City. The EXCHANGE representative is indebted to A. C. Hart, the able and obliging manager, for information and many courtesies extended.

The older Coddington range, built about 15 years ago, is almost entirely devoted to the growing of Roses. The 25 houses, 75,000 ft. of glass, are steam heated, and furnished with wooden benches. Large tubular boilers furnish the steam, on the gravity system. A mixture of pea and buckwheat coal is used at both ranges and is found much more economical than the larger sizes.

It might be supposed that the manure problem in the country would be solved by the local supply, but such is not the case here, and it has to be met by a contract with a dealer, who gathers the manure from dairies, and supplies both ranges. As additional fertilizer, tankage and bone meal are used, the liquid manure being applied by the pump system.

At this range Killarney is the chief variety. Nineteen houses are used for pink Killarney and one for white, all own root plants; two houses are used for grafted Bridesmaid, some of them now six years old. Four houses of pink Killarney are in their second year, the rest are young plants.

The condition of the Killarney plants in this range is beyond all criticism. It is simply wonderful, and shows system, careful culture and good management. The plants of Bridesmaid are also coming on nicely. Three smaller houses are used for growing Adiantum cuneatum, which is in a thrifty condition.

Mr. Coddington and his family are on a vacation in Maine, and in his absence the EXCHANGE representative is indebted to the manager, Anthony Ruzicka, for information and many courtesies, among which may be mentioned a ride through the beautiful scenery of Murray Hill to the Nason & Son, and the Springsteen ranges. Taken all in all, the condition of the Rose plants in the two Coddington ranges compares favorably with the very best plants observed anywhere, and the outlook for a successful season is very bright.

Nason & Son

The Nason range is heated by both steam and hot water. The houses, five in number, 30,000 ft. of glass, are well situated and built. They are filled entirely with young stock Roses, one house with American Beauty, and two each with Bride and Bridesmaid. The plants all show good clean culture. The cut of flowers is consigned to Noe & Noe, Coogan Building, 55 West 26th st., New York City.

R. Voight

Mr. Voight has a unique substantial side hill range, consisting of four east and west houses, 18,000 ft. of glass, steam heated. One house, with iron pipe frame and solid concrete beds, is just now being finished. The other three houses are furnished with concrete benches.

Passing from the house nearest the foot of the hill up to the house farthest up the hill is like going up a pair of stairs. Concrete and iron have altogether superseded wood in this range, and bottom side ventilation is used.

Two houses are used for pink Killarney, one for My Maryland, and one for Bridesmaid Roses. All the plants are young, except one-half house of Killarney; and all of the plants are in excellent condition. Mr. Voight is evidently a hustler, and is pushing the work. The cut of flowers is consigned to Henshaw & Fenrich, 51 West 28th st., New York City.

Jesse P. King, Ridgeville, Md.

Through the courtesy of a friend your correspondent was recently invited on an automobile tour from Washington, D. C., to Ridgeville, Md., a little village some 43 miles northward of this city and one mile distant from Mt. Airy, its railroad station and post office, which is located on the Western Maryland R. R., 20 miles from Baltimore. Little is known of this section by Washingtonians other than auto tourists, who use it as an intermediate stop while en route to Frederick, Hagerstown and that more remote vicinity. The trip overland through Montgomery County was through the heart of one of the most valuable agricultural districts of Maryland, from which Washington derives large supplies in grain and vegetables. The most wonderful productiveness of the heavy soil was clearly evinced by the crops of Corn and Tobacco, which at present are battling with one of the most severe droughts ever known in that section.

Being kept in motion by the great speed of the numerous autos the dust from the roads had finally settled for a distance of 30 ft. on each side of the road upon all classes of vegetation and had begun to heap itself upon the rail fences.

These conditions existed throughout practically 35 miles of the trip; yet crops were holding their own, and fruit trees were abundantly filled. So much greater was the surprise upon reaching Ridgeville to find a modern, uptodate growing establishment, with every indication of thrift and intelligent management as the most conspicuous feature. The modern houses were well placed alongside a beautiful residence standing among shade trees and surrounded by flower beds that would do honor to any city. Everything showed good attention, care and the ability of the owner.

Jesse P. King, a genial, intelligent and excellent type of our best floriculturists was born in Baltimore in 1865, moved to Ridgeville and opened a store dealing in general merchandise in 1887. Here he continued for 18 years, when, with no tuition in floriculture, he started in to gratify his tastes and natural inclinations by raising flowers on a small scale. This venture was a success, not told in detail by the modest grower himself, but better by the "place and all around it." Six modern houses of varying dimensions, forming an area of 19,000 sq. ft., with well equipped potting sheds and boiler rooms beneath go to make up the Winter quarters; five of these houses are heated by steam, while the sixth and dwelling are cared for by a second boiler using hot water. A large tank on a 50-ft. tower, fed by means of a gasoline engine which pumps from a well nearly 200 feet deep, supplies ample water and pressure.

The latest house, an even span 115'x32', 16' ridge and 9' eaves, was built last Fall for Sweet Peas of which about six varieties are grown. Mr. King believes that many of the difficulties encountered by local growers can be averted by an abundance of air and the house being kept as cool as possible during the early growth and first flowering period. He likewise advocates using the old soil after replenishing each year with good manure and being worked up thoroughly to a depth of 20 inches. In the foregoing seem to lie the secrets of his wonderful success, he having last season produced vines averaging 10 feet in height with an abundance of flowers on 16" stems. Here the theory of light soil for Carnations is contradicted and 5500 plants of Queen, Lawson, White Perfection and the three Enchantresses luxuriate in a heavy loam. These were planted from 3" pots into the benches in June, while an excess of 1000 Queens and Lawsons remain in the field. Many of the plants had 30 and 35 shoots, while the general average was estimated to be 20. All were clean and healthy throughout. A general assortment of 'Mums is grown to singles, two flowers and spray, with Chadwick and Jeanne Nonin as favorites. Several beds of Roses—Wm. R. Smith, Golden Gate, Bride and Bridesmaid—are successfully grown inside, while a nearby field contains 6000 two-year-old W. and P. Maman Cochet for Summer bloom. One also observes quantities of Asparagus plumosus and Sprengeri, Nephrolepis Bostoniensis, Whitmani and Scottii and Adiantum; no other greens are grown. There is a large local demand for bedding stock and vegetable plants, which are raised in quantity, and the same source gives call for a considerable number of bouquets and funeral work. The excess of cut flowers is shipped from Mt. Airy station direct to the Baltimore markets several times weekly. Mr. King does his own designing, building and heating, and all is of the most substantial type. In Winter three additional men are employed, while four are kept busy in Summer. He is a valuable acquisition to one's list of acquaintances uses uptodate methods and has a latch string out to every brother florist who has the good fortune to pass that way.

JAS. L. CARBERY.

A Review of the Florist Business in Indiana

Reporting to the convention of the S. A. F. & O. H. at Rochester, State Vice-President W. W. Coles of Indiana, states: As far as I can learn from the florists of our State, business has been the best in its history. In all quarters an optimistic view is taken of our business in general. However, the increase in greenhouses is less than in former years, largely due, no doubt, to the high price of glass. The Carnation is more in demand than any other cut flower, although more Roses than usual have been used during the past season. The principal call is for pink and white. Beauties and Richmonds running, perhaps twenty per cent. of the total sales. Nearly everyone who grows Roses is growing Killarney and discarding Bridesmaid, while most of them continue to grow the Bride. I would judge that 80 per cent. of the Carnations grown could be included in the following six varieties: Enchantress, White Enchantress, Rose Pink Enchantress, White Perfection, Beacon and Victory. There is a growing demand for Afterglow, which seems to be taking the place of Lawson. The tendency of the retail demand is for a better grade of both cut flowers and plants, for which the people are willing to pay a fair price. Hardy flowering shrubs and herbaceous plants are selling in increased numbers and I would recommend that all retail florists push this department. The State Florists' Association, organized nearly a quarter of a century ago, will give a Chrysanthemum show at Tomlinson Hall, Indianapolis, Nov. 8 to 12, inclusive. We hope that our brother florists from other States will visit us and make exhibits. A new association has been formed and was incorporated July 20, 1910, as the Northern Indiana Florists' Association. Its membership consists mostly of florists from about ten counties in the northern part of the State. I think this Society acted wisely in making the dues only $1 per year. The membership is likely to be much larger at this nominal figure and the larger the membership the more good a society can accomplish. We have every reason to be proud of our State, because it has given the trade more good new Roses and Carnations than any other State, or it may be safe to say any other two States. It has also produced many good standard Chrysanthemums, and no better American Beauty Roses are grown anywhere than in Indiana.

Maryland—A Retrospect

R. A. Vincent, State Vice-President of Maryland, reported to the S. A. F. & O. H. convention as follows: We are glad to note that building activity continues and improvements in every way all along this line seem to be the order of the day, many old places being torn down to make way for modern constructions. Business has been a little above the average. Easter trade was far in advance of other seasons. Spring trade was good, all good stock being well cleaned up. The seedsmen report an excellent Spring trade. The great suburban development has created an extensive demand for all kinds of bedding and nursery stock. The Florists' Exchange, owned and controlled by growers, has been very successful in advantageously disposing of all stock, both cut flowers and plants in a very satisfactory manner. Maryland is coming to the front as a great Apple center. A large capital is being invested and thousands of acres planted on the mountain sides in the western part of the State, where the finest Apples that can be produced anywhere are being grown. The Maryland State Horticulture Society has held two very notable meetings, the one held last December being a complete success. The exhibition was a revelation in regard to the State resources in the fruit line and created great enthusiasm among the members. The Summer meeting just held is conceded to have been the most successful ever held in the history of the Association. The Gardeners and Florists' Club has been wide awake. Their meetings have been full of interest and well attended. The membership has greatly increased; several special meetings have been held at which prominent speakers lectured on interesting subjects. The Club being firm in the belief of unity of effort of kindred associations, looking to the betterment of every horticultural interest, is affiliated with the Farmers' League and the Maryland Horticultural Society. The Legislative Committee has been on the alert watching legislation, seeing if anything could be done in the interest of the horticulturist, and that no adverse laws should be passed. They have urged liberal appropriation for the purpose of advancing all interests of horticulture. They have also urged on the representatives in Congress to use their utmost influence in securing a parcel post enactment.

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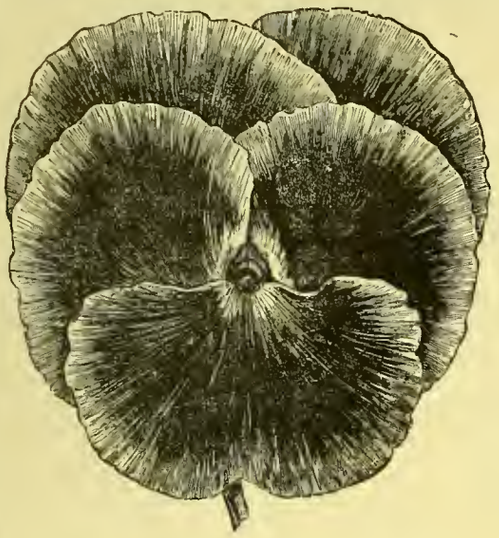

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Local Supply Men at the Recent Washington Florists' Club Picnic
Reading from left to right: Albert Schnell, mgr. The Florists' Exchange, Edw. S. Schmidt, E. L. Bowers, Wm. H. Ernst, Daniel Hiser.

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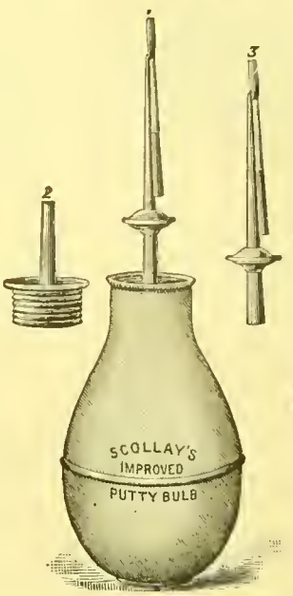

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Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(Continued from page 62)

It does not often fall to the lot of a young man who has spent the most of his time in private places to change to an extensive charge in a commercial range as I did in taking charge at Ascot. In addition to the above change, it was an entirely new system of fruit growing, on entirely new ground, only partly reclaimed from a state of nature, and with an entirely new class of men as laborers, most of them born and brought up on Ascot Heath; some of them had been in the habit of doing a little of almost everything, but the race week in June was quite a source of income to many in some shape or other, then the Royal kennels, where the stag hounds were kept, was a great attraction and in the hunting season they were following the hounds on foot and picking up a trifle for caring for the horses and picking up and caring for any one who happened to get thrown. On some of the neighboring estates, also, game was preserved largely, and some of the natives had the credit of knowing how to bag a share of it. So, all in all, they were not quite the class of laborers I wanted, but there was no choice; it was almost necessary that any one handling them should know a little of the noble art of self-defence; the most trouble I had with them was on account of their being on a drinking bout when most wanted.

Until I took hold the foreman who was in charge would receive a check on Saturday morning, after giving in a time sheet, and at quitting time would take the gang to his favorite tavern and have a crowd with them, and, with the assistance of the landlord and a few others, would keep them there drinking and playing cards till near midnight, when they would not know if they had been paid or not, as they had no money left. When I took hold I gave in the pay sheet at nine a.m. and got my check. I had made arrangements for the change I wanted and paid every man before he left the grounds. There were several bricklayers, carpenters, painters, etc., at work at all times. Mr. Standish told me I must keep the time of all the mechanics and pay them. I made a point of paying every one on the ground; this made me so popular all at once that it was not safe for the other crowd to look cross-eyed at me, so I thus quickly established myself among about as hard a crowd as any one could find in England.

Being such a wild and almost new country, boarding accommodations were limited and very poor, so, on the advice of my predecessor, I went to the Nursery Inn, where he was boarding, where I found him the most important feature of the house as he and the landlady had all to say; the landlord could fill in his time in drinking beer and catching flats. In taking a room or rooms within two miles of the race course, the room rent was charged at so much a week for fifty-one weeks in the year and you were to give it up for the race week; if you included the race week you paid about one-third more. I agreed to pay the rent, including race week; to my surprise when I went there I found my room cleaned out ready for a race week tenant and, for that week, I was as homeless as any tramp on the race course. I remember I expressed myself in strong terms but there was no redress for me.

I later ascertained the landlady would not have served me the trick had it not been for my friend who had told her she would not lose by the trick as he would see that I would not remain at Ascot much longer. I had two offers of rooms as soon as the races were over but I went back to the old place, to the surprise of every one. I had already secured three young men of more or less experience, who had been with me before and had applied to me for a chance at the new system of fruit growing. I secured rooms for them at my new home, and instead of going to the old place for supper, the new men and several of the converted natives went with me to transfer my belongings to my new quarters. I then took the whole crowd to another tavern for supper, which had already been ordered, and, strange as it may look to the reader, the tavern keeper flatly refused to receive payment for anything ordered that night. Two of my imported men were fine singers and not heavy drinkers; before midnight there was scarcely a customer in any other tavern in a mile circle, even the one policeman who had to look after tavern closing was there and forgot all about the time of night.

Soon after that the nursery foreman came from Bagshot to take charge of the new nursery, then starting; he was a heavy drinker and got in tow with my old friend, so they were soon chumming at the old house, but he could not hold his own staff there, so there was fun all round and, as my men were never seen under the influence of liquor, it was little use for either of them to lodge any complaints.

I am afraid the general reader will not be much interested with a description of my experience in new lines so now I will describe the place, soil, etc. There were about twenty acres (where the houses were started) of the poorest kind of heath, about one inch of heath filler and three inches of gray retentive sand. The intention was to use the surface for fuel, but the idea was a dead failure as it could not be pared off less than two inches which left more sand to be gotten rid of than would pay for the small quantity of fibre to be obtained for fuel.

Part of the ground would grow Roses and general nursery stock, but wanted so much enriching as to make it too expensive; part would grow Rhododendrons but had to be enriched or the result was not satisfactory; thus expenses in labor and fertilizing were much too heavy for satisfactory results. The system of the fruit house was—floor or borders from four to five feet above ground level, arches from four to six feet head room under fruit house, pipe system for bottom heat in arches below; the side benches in arches were intended for growing Mushrooms the year round, and for forcing Rhubarb, Sea Kale, Asparagus, etc., all through the Winter. Pineapples, Grapes, Peaches, Figs and several other tropical fruits were to be grown under glass above the arches.

All kinds of fruit growing soil was scarce and hard to get, the water supply was very poor, expensive and of bad quality, either surface supply or from a hard pan gravel pumped by hand; the whole system was killed by cost of labor. There were to be Strawberries in pots from March till they came outside; any grower or forcer of fruit knows what that means when water supply is bad and there has been no provision made for a supply of plants the previous Summer. I could have made Asparagus, Rhubarb and Sea Kale pay if there had been a four, five or six year provision made for a supply of stock to keep up a succession for such forcing, but as there was nothing in sight to carry out the idea it was a failure. My predecessor's plan was to sow Asparagus seed in the open ground and take up and force the following Winter, as some one had told him they forced Asparagus, one year plants, which brought one shilling more per hundred than any Asparagus in Covent Garden at Christmas.

One of the first things I was shown when I went through the houses and vaults was a Mushroom bed which had been made about three months, from which they were still expecting a crop; when the door was opened it smelt like a close cellar which had been filled with decayed wood for six months. I asked about the ventilation and was told that Mushrooms did not require ventilation; this information was from a professional Mushroom grower. Another striking item of interest, from a professional Pine grower, was a small house of Pines in six-inch pots all showing fruit. I was told that Pines did not require water till they were a certain size; in that case the fruit was good for nothing and the plants were a dead loss. This and many other things convinced me that the man did not know anything about the treatment of what he had undertaken. At that time large consignments of Japan plants were coming in most of which required treatment under glass, both for growing and propagating, so the greater part of the glass space was then occupied by these. Much of my time was taken up with that stock but at the same time I was getting up a stock of Grape vines, Pine plants, etc., for use as fast as the houses were ready for them. My predecessor was then turned over to the nursery foreman as his assistant, but it was not long before he was paid off as quite incompetent.

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Areca

PANDANUS—Veitchii and Utilis.

DRACAENAS—Terminalis, Indivisa, Massangeana, Lindenii.

ASPARAGUS PLUMOSUS POINSETTIAS

ASPIDISTRA VARIEGATA

ARAUCARIA EXCELSA

THE BIRTHPLACE AND HOME OF

NEPHROLEPIS SCOTTII

JOHN SCOTT

Rutland Rd. and East 45th St., BROOKLYN, N.Y.

The Sterilization of Soil

Ever since it began to be realized that the soil is the home of a great number of minute organisms—bacteria and fungi—as well as of larger organisms like infusoria and eelworms, there have not been wanting experiments in which attempts were made to grow plants in soil which had been deprived of these living agencies. The results, however, that have been reported have been contradictory and difficult of explanation, and when also of late years certain gardeners began to use sterilized soil on a practical scale there has been a similar conflict of evidence as to the value of the treatment. The gardener has tried soil sterilization, nearly always by heat, for various reasons; in the first place, he hoped to get rid of the seeds of weeds and the spores of the mosses and liverworts which encrust the surface of seed-pans whenever germination is long delayed; again, he hoped to kill off the spores of certain fungoid diseases which harbor in the soil, and the eelworms and similar organisms which often do so much harm to cultures under glass. Any process of sterilization by heat, involving the heating of the soil, either wet or dry, to the temperature of boiling water, must be expensive, but whether it may prove to be commercially profitable or not, it is only very recently that we have learned what sort of changes go on in the soil during the process and have arrived at some understanding of the reasons for contradictory results mentioned above.

The experimental investigation of the subject began with the discovery, in which several men shared, that soil which has been heated to the temperature of boiling water will grow larger crops than the same soil which has not been treated. In this country Russell and Darbishire carried out a long series of such experiments, and showed that the heated soil will produce double the yield of the untreated soil and that the beneficial effect persists as far as four crops after the original heating. All the plants they tried were benefited, except the leguminous species, and all kinds of soils behaved in the same way. Moreover, not only did the gross weight of the crop increase, but on analysis it proved to be richer in such essentials of plant-food materials as nitrogen and phosphoric acid, so that the crop grown on the soil after heating actually contained about four times as much nitrogen as that grown upon the soil which had not been heated. Various explanations of the action were put forward, mostly depending upon changes which were supposed to have been set up in the bacterial flora of the soil; but Pickering, as the result of his experiments, suggested that in the main the action was due to the splitting up of the organic matter (humus) of the soil by the heating. He showed that the germination of seeds is retarded in soil that has been heated, and that the retardation is greater the higher the temperature to which the heating is pushed; he also showed that the soil after heating actually contained more nitrogen compounds in a soluble state. Hence he concluded that the heating had split off from the humus soluble nitrogen compounds which are injurious to germination, but which later will serve as food for the growing plants. Pickering's results are undoubtedly correct, in that ammonia and other soluble nitrogen compounds are split off from the humus by the heating; but some work which has just been published by Russell and Hutchinson, of the Rothamsted Laboratory, shows that this is only part of the story, the increase in fertility of the heated soil being chiefly due to a rearrangement of the living organisms inhabiting the soil. In the first place, it can be shown that heating to the temperature of boiling water for ten hours or so does not sterilize the soil; certain groups of organisms are killed off entirely, but others which exist in the form of spores resist the heat, and as soon as the soil cools down again begin to develop and multiply with great rapidity. For example, the bacteria bringing about nitrification are wiped out entirely, but most of the other groups retain some representatives, especially that class which takes the complex organic matter of the soil and breaks it down into ammonia and kindred compounds. In one of the Rothamsted arable soils used in the experiments the normal number of bacteria in the soil before treatment was about 5,000,000 per gramme; immediately after heating the number had fallen to 60 per gramme, but then followed a very rapid rise; in a fortnight the original 5,000,000 had been reached and a month or five weeks afterwards the number had risen to 26,000,000 per gramme. Step by step with this increase in the number of bacteria in the soil came a similar increase in the rate of production of ammonia, i.e., of a soluble nitrogen compound on which the plant could feed. It was thus demonstrated that, in the soil that had been heated, the increased crop is due to the greater amount of ammonia which becomes available for the plant, and that this increase in the ammonia is brought about by the larger number of bacteria, chiefly splitters-off of ammonia, which get a footing in the soil. Various experiments, which need not here be detailed, also demonstrated that the increase in numbers of the bacteria is not due to any stimulus derived from the heating, but to the removal of some factor which is at work in ordinary soil keeping down the numbers of bacteria. This new and unknown factor turns out to be the presence in ordinary soil of large non-bacterial organisms like amœbæ and infusoria, which habitually feed upon the bacteria, and thus, by keeping their numbers down, establish a certain numerical equilibrium between themselves and the bacteria. These higher organisms are wholly destroyed by the heating or other sterilization methods, whereas the bacteria are only partially exterminated and afterwards develop to a much greater extent than before, because they have the field to themselves. With this increase in the number of bacteria goes an increased production of soluble plant food from the insoluble reserves in the soil and a corresponding increase in crop. With certain differences these results are repeated when other methods of sterilizing the soil are adopted; if, for example, the soil in a dry state is exposed for some hours to the vapor of chloroform, carbon bisulphide, toluene or other volatile antiseptic, there is a similar rearrangement of the organisms of the soil and a similar increase in its fertility, though not to so great a degree.

We are now in a position to sum up the changes which take place in soil when it is subjected to one of these so-called "sterilization" processes:

(1) Seeds of weeds, mosses, liverworts, etc., are killed. Fungi and their spores are also destroyed. It is found, however, at Rothamsted that the soil is very susceptible to reinfection when it is afterwards exposed in pots. Occasionally it becomes covered with moulds, and the usual green algæ rapidly cover the surface with a mat.

(2) The texture of heavy soils is distinctly improved.

(3) The heating gives rise to substances, of which ammonia is probably the chief, harmful to germination. This harmful effect will be less marked if the soil is stored for a time after the heating.

(4) All organisms of an order higher than bacteria are killed off; the soil, for example, is rendered clean of eelworms, at the same time certain organisms which normally limit the number of bacteria in the soil are destroyed.



Kriemhilde and Loreley

These are two splendid new Anemones introduced by the firm of Goos & Koenemann of Niederwalluf, Rheingau, Germany. The flower of Kriemhilde is cup shaped, half double, about 3½" across and of a remarkably pure, clear, reddish lilac, until now a unique color among Anemones; it is borne on a firm, stout stem. Loreley is light lilac pink in color, about a shade darker than Queen Charlotte; the cup-shaped flowers are larger than those of Kriemhilde. Both these novelties are very free bloomers and splendidly adapted for florists' use, as the flowers are uniformly perfect.—*Bindekunst.*

(5) Thus provided with a clear field, the ammonia-producing bacteria increase rapidly and there is a correspondingly greater production of plant food from the soil and manure, followed by an increase of crop. Certain groups of bacteria are killed off, e.g., those which convert ammonia into nitrates; hence plants which only take in their nitrogen as nitrates do not show increased growth on the sterilized soil; only those plants (actually the majority) which can utilize indifferently ammonia or nitrates are benefited. Even in their case it is possible to see that they are feeding upon ammonia and not upon the nitrates they obtain from normal soil, e.g., the cereals are shorter in the straw than would be expected from the richness in nitrogen. Nor is it always possible to reinoculate the soil with the nitrification organisms, heat-sterilization seeming to produce some substance which inhibits the nitrification bacteria.

Space does not permit of a discussion of the results of greenhouse practice with sterilized soils in the light of these conclusions, but they will be found to illuminate much that has been obscure and contradictory in the reports. At any rate, it is clear that it is impossible to lay down the law beforehand as to whether "sterilization" of soil will or will not be beneficial in a particular case. Experiment alone can show which of the numerous factors will be involved.—*Gardeners' Chronicle (Eng.)*



How to Make Bridal Bouquets

In answer to a subscriber's inquiry I would call attention to an article printed in The Florists' Exchange about a year ago, covering the subject of making up, in which bouquet work was gone into thoroughly but, at your request, I shall reply to the questions in the order they have been asked and trust my explanations will be of service to some of your readers.

Just How Should a Bridal Bouquet Be Made Up?

There are a variety of methods of bouquet building and, even in New York among the leading stores, hardly two men will make up alike. But the prevailing idea at present tends toward grace and lightness, although one recognized leader in the business still adheres to the stiff formal bouquet, the kind with the little tufts of Smilax and wires to separate the flowers, and showing among them, in some cases, almost up to the heads of the blossoms.

But I am happy to say that most florists have broken away from that idea except in the making of the Pompadour or Dutch bouquets that have been quite the rage for the past two seasons. Lily of the Valley being the most generally used for bridal bouquet work is, perhaps, the best to describe in this article, although, in fact, the method is much the same, except in the wiring of the flowers, on all other bridal bouquets.

In wiring Lily of the Valley for a bouquet, first use only high grade flowers; it is not economy to use a cheap grade of Valley in any kind of work. As, if you do, you necessarily have to use a greater quantity to get the same effect, and thereby also adding to the weight of the bouquet. Use as light a wire as possible and let the flowers stand well up above the leaves; this is important; many a bouquet has been spoiled by crowding the leaves around the flowers. The finished effect should be as white as possible; the fewer blooms used the better making for a lighter and more graceful bouquet as the result.

Making a Sectional Bouquet

In this device the parts are usually constructed so that each bridesmaid shall receive one as the bride is leaving. The articles, thimble, button and dime, are placed in small boxes or tied directly on to the flowers, one on each of three sections. The best method of making the parts is to adapt them for individual bouquets, winding each handle with white silk ribbon, taking care to have the handles very thin, so that when they are tied together the bouquet handle will still be of a suitable size.

If the bouquet is to be showered, attach the shower ribbon to three of the sections only, doing up each one separately and using a bolt of one and a half white satin ribbon, or the same number in white silk gauze, as desired. When the full number of parts are finished gather them together and tie firmly, allowing the showered sections to form the front of the bouquet. It will be found easier to fasten the flowers into the shower after the bouquet is finished, taking care not to get the ribbon tangled.

The most practical way of fastening the flowers into the shower is to form the number of loops you require before handling the flowers, then take one or two sprays of Lily of the Valley (the stems being shortened) and a small piece of Maidenhair Fern or other light foliage, insert these into ready made loop, and fasten firmly. The last and finishing touch will be to tie a good generous sash of number sixty white satin ribbon around the handle and the bouquet is finished and you have done your part.

I have observed, from experience, that, be as careful as you may, in the hurry and excitement of pulling a bouquet apart, especially by the bride, the result is seldom successful. If its construction can be explained beforehand the act will possibly go a little smoother.

A. T. BUNYARD.

Non-Breakable Flower Vase Co.

A company of local men has been formed for the manufacture and sale of the newly invented non-Breakable Flower Vase, made of galvanized iron and in many plain and fancy designs. A space 4x8 ft. is being used at the Convention for exhibiting and demonstrating the special merits of this vase. Albert Schnell, manager of the Florists' Exchange, Washington, D. C., is the inventor. Other members of the company are Z. D. Blackistone and Robt. Bowdler, with Henry Lauscher as salesman. Thus far sales are surpassing expectations.

J. L. C.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of New England. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

EST. 1874 **Jno. V. Phillips** — BROOKLYN, N. Y. — FLORIST — 272 Fulton Street — Telephone, 319 Main

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

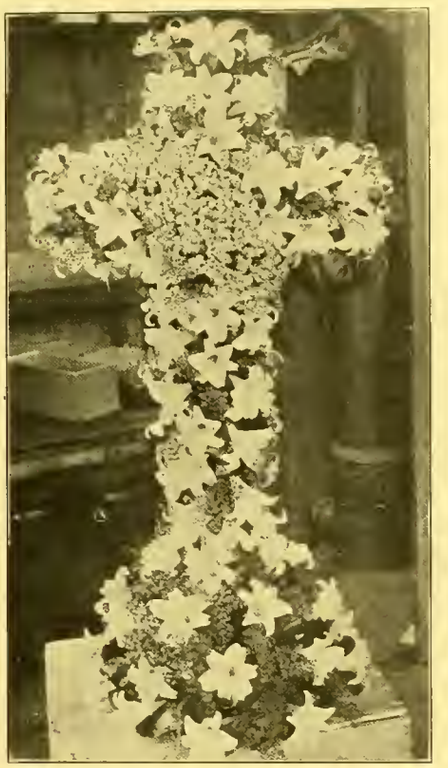
JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank E. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.



Cross composed of Lilies, Violets and Maidenhair Fern

James E. Beach, Bridgeport, Conn.

The Park Floral Co — DENVER, COLORADO — 1706 Broadway

J. A. Valentine, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Columbia	Aug 20	9.00 am.	W. 24th St., N. Y.	Glasgow
Cincinnati	" 20	10.00 am.	1st St., Hoboken	Hamburg
Minnetonka	" 20	9.30 am.	W. 16th St., N.Y.	London
Carmania	" 20	10.00 am.	W. 14th St., N.Y.	Liverpool
St. Paul	" 20	10 00 am.	W. 23rd St., N.Y.	Southampton
Cedric	" 20	10.00 am.	W. 21st St., N.Y.	Liverpool
Kroonland	" 20	11.00 am.	W. 18th St., N. Y.	Antwerp
Koenigin Luise	" 20	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
D'a D' Abr'zzi	" 20	12.00 m.	W 34th St., N. Y.	Naples-Genoa
Lituania	" 20	2 00 pm.	Bush Dks, Bklyn	Rotterdam
Bordeaux	" 20	3.00 pm.		Havre
Germania	" 20		Pier 33 Bklyn	Naples
Potsdam	" 23	10.00 am.	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 23	10.00 am.	3rd St., Hoboken	Bremen
Campania	" 24	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 24	9.30 am.	W. 21st St., N. Y.	Southampton
La Touraine	" 25	10.00 am.	W. 15th St., N.Y.	Havre
Bremen	" 25	10 00 am.	3rd St., Hoboken	Bremen
Carpathia	" 25	12.00 m.	W. 14th St., N.Y.	Gib-Geno-Nap Trieste, Fiume
Regina d' Italia	" 25	12.00 m.	Gr'nd St., Jer.Cy	Naples-Genoa
Sant' Anna	" 25		31st St., Bklyn	Naples
Mesaba	" 27	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 27	10.00 am.	W. 23rd St., N.Y.	Southampton
Berlin	" 27	11.00 am.	3rd St., Hobnken	Gib-Nap-Geno
Finland	" 27	11.00 am.	W. 18th St., N.Y.	Antwerp
Caledonia	" 27	12.00 m.	W. 24th St., N.Y.	Glasgow
Arabic	" 27	12.00 m.	W. 21st St., N.Y.	Liverpool
California	" 27	3.00 pm		Havre
Hudson	" 27		W. 44th St., N.Y.	Bord'x-Dunk'k
Italia	" 27		Un. St'rs, Bklyn	Naples
New Amst'rdam	" 30	10.00 am.	5th St., Hoboken	Rotterdam
Kronpr. Wilhelm	" 30	10.00 am.	3rd St., Hoboken	Bremen
Europa	" 30	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Moltke	" 30	2.00 pm.	1st St., Hoboken	Gib-Nap-Geno
Mauretania	" 31	9.00 am.	W. 14th St., N.Y.	Liverpool
M Washington	" 31	1.00 pm.	Bush Dks, Bklyn	Nap-Pat-Tr'ste
Teutonic	" 31	3.00 pm.	W. 21st St., N.Y.	Southampton
Pennsylvania	" 31	3.00 pm.	1st St., Hoboken	Hamburg
La Lorraine	Sept. 1	10.00 am.	W. 15th St., N.Y.	Havre
Gr's'r Kurfuerst	" 1	10.00 am.	3rd St., Hoboken	Bremen
Oscar II	" 1	2.00 pm.	17th St. Hoboken	Copenhagen
Campania	" 1		Pier 38, Bklyn	Rotterdam
California	" 3	9.00 am.	W. 24th St., N.Y.	Glasgow
From Boston				
Winnifrediao	Aug 20	9.30 am.	B&A Dks. E. Bos.	Liverpool
Zeeland	" 23	12.00 m.	B & M Dks. Char	Liverpool
Saonio	" 25		Clyde St., E. Bos	Naples-Genoa
Lancastrian	" 26	2.00 pm.	B&A Dks, E. Bos	London
Ivernia	" 30	5.00 pm.	B&A Dks, E. Bos	Liverpool
Cestrian	" 31	5.30 pm.	B&A Dks. E. Bos.	Liverpool
Parisian	Sept. 2	9.00 am.	Mystic Whf Cbar	Glasgow
Philadelphia				
Siberian	Aug 20		24 No. Wharves	Glasgow
Haverford	" 27	10.00 am.	53 So. Wharves	Liverpool
Marquette	Sept 2	10 00 am.	55 So. Wharves	Antwerp
Mongolian	" 3		24 No. Wharves	Glasgow
San Francisco				
Korea	Aug 23	1.00 pm.	1st Street	(Honolulu
Nippon Maru	Sept. 6	1.00 pm.	1st Street	(Japan
Siberia	" 13	1.00 pm.	1st Street	(China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hoult & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murrey Hill.

Our Motto—THE GGOLDEN RULE

A. J. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptiona facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 344, 345

New Rose Registration

The Piersons of Cromwell, Conn., have filed the following for registration:

"Dark Pink Killarney," a sport of Killarney originating with the Montrose Greenhouses, Montrose, Mass., and acquired by A. N. Pierson, Inc., by purchase. It is a sport of Killarney, identical with the parent in habit and size of bloom. The color, however, is much darker than Killarney at all times of the year. This Rose will be disseminated in 1911.

"Lady Cromwell," a sport of My Maryland, originating with A. N. Pierson, Inc., in 1908. This Rose in every way resembles My Maryland, except in color. It is a shell pink outside, shading deeper toward the center, which is a creamy yellow, and sometimes quite a deep yellow. During the hot weather, however, the yellow center disappears, and the Rose looks very much the color of an Enchantress Carnation. It is very fragrant. This Rose will not be disseminated until the Spring of 1912.

Benjamin Hammond, Sec., Am. Rose Soc.

June 26, 1910.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 5 words to the line.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By A1 designer and salesman in New York flower store. Address C. F., care The Florists' Exchange.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By single man, grower of general stock and cut flowers. Please state full particulars in first letter. Address C. A., care The Florists' Exchange.

SITUATION WANTED—By young man, experienced in greenhouse work; an expert at Violet bunching. Best of references. Address Michael Alebord, 34 Erie Street, Dorchester, Mass.

SITUATION WANTED—By a German, married, 32, on private place. Open from Sept. 1; understands all kinds of gardening. Address C. G., care The Florists' Exchange.

SITUATION WANTED—By young man as assistant gardener on private or commercial place; experienced in Roses, Carnations, Chrysanthemums and general greenhouse work. Address C. C., care The Florists' Exchange.

SITUATION WANTED—As foreman; first class grower of Tea Roses, 'Mums, Carnations, Peas, Christmas, Easter and bedding stock. 22 years' experience. Please state particulars in first letter. Address B. E., care The Florists' Exchange.

SITUATION WANTED—By Scotchman, 49, single, as a useful man; well versed in all branches. Advertiser would accept a position on a private place. Best of references as to character and ability. Address C. E., care The Florists' Exchange.

SITUATION WANTED—To carry out landscape work, permanent or temporarily. Advertiser is well acquainted with road construction, grading, planting and every detail of the work. Highest references. Address "Practical" care The Florists' Exchange.

SITUATION WANTED—By gardener, experienced in all branches of gardening, as assistant on large private place; advertiser has eight years' experience in uptodate flowers, vegetables and landscape work. Attended Cornell University two years; American, age 23, single. Available September 1st. Address Box 25, R. F. D. 1, Pennington, N. J.

SITUATION WANTED—By man, 29 years of age, married, who wishes to take charge of Carnation Section; practical experience in growing of Carnations. Seven years in charge of large section; advertiser is sober, reliable, industrious, well educated and a hustler; speaks German and English. First class references. Address C. D., care The Florists' Exchange.

SITUATION WANTED—As head gardener by first class grower of greenhouse plants, Roses, Carnations, Chrysanthemums, Palms, Crotons, fruits and vegetables under glass and outside. Private place preferred. Advertiser is married—no family—strictly sober and a steady worker. Best of references. Address P. Haessig, Maplehurst, Mount Kisco, N. Y.

SITUATION WANTED—By Swede, age 26, single, as head gardener on private place. First class grower of all kinds of greenhouse plants, Palms, Ferns, Chrysanthemums, Roses and Carnations; also grower of early vegetables under glass and outside. Life experience in Europe and this country. Advertiser is honest, sober, reliable and a quick worker. Address H. Hanson, P. O. Box 112, Setauket, L. I., N. Y.

SITUATION WANTED — By competent grower of Roses, Carnations, 'Mums, Ferns, pot and bedding stock; capable of taking full charge. Good designer and decorator; 16 years' experience; German, 30, married, no children. New York preferred. Best of references. Please state wages and particulars in first letter. Address A. Wietschel, 207 Lexington Ave., Winchester, Ky.

THE EXCHANGE—Best Advertising Medium

HELP WANTED

WANTED—Man competent in landscape work and capable of handling men to advantage. Apply to
C. H. Sierman,
952 Park St., Hartford, Conn.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—A No. 1 Rose Grower, single; good salary paid. Apply by letter only, sending references, B., c/o Knight & Struck, 1 Madison Ave., New York City.

WANTED—For forestry work, experienced climbers, superintendents and solicitors. No bluffers or boozers. Address Box 97, Jersey City, N. J.

WANTED—Gardener to come to Texas who thoroughly understands greenhouse and propagating. Private place. Apply Jno. H. Kirby, Houston, Texas.

WANTED—An Auctioneer's Clerk to take down sales and attend to receiving and shipping; only a live man wanted. Wm. Elliott & Sons, 42 Vesey St., New York City.

WANTED—By New York house a practical young seedsman; one with road experience preferred. Apply, stating wages expected, etc., to C. B., care The Florists' Exchange.

WANTED—A young man with some experience in growing 'Mums, Carnations and bedding plants to make himself generally useful. Address E. E. King, Attleboro, Mass.

WANTED—Experienced greenhouse man for Winter blooming pot plants and bedding out plants. Address, with references, stating wages, A. Stoeckle, 106 Stone St., Watertown, N. Y.

WANTED—Carnation man able to take charge of section. Wages $60.00 a month with chance to advance. State full particulars and address "Carnation," care The Florists' Exchange.

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A first class store man capable to act as manager. Nothing but a "live wire" wanted; must have reference. State all in first letter, experience and salary expected. Address F. H. Kramer, 916 F. St., Washington, D. C.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understand thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED

Roses, Perennials

H. H. BATTLES, Philadelphia, Pa.

WANTED—A man who can grow Perennials and Outside Flowers; also an Assistant in Rose house; must have had experience and furnish the best of references; $15.00 per week. If married we have small house at nominal rent. Address or call to see Frank Gaul, c/o H. H. Battles, Newtown Square, Delaware Co., Pa.

Please mention the Exchange when writing.

STOCK FOR SALE

CARNATIONS

FIELD-GROWN CARNATIONS
Field-grown, strong, healthy plants: Enchantress, Rose Pink Enchantress, White Perfection, Lawson and Queen, $6.00 per 100, $55.00 per 1000. P. R. Quinlan, Syracuse, N. Y.

CARNATIONS.
Fine Plants.
2000 Queen Louise.
1500 Thomas W. Lawson.
250 Winsor.
$5.00 per 100; $40.00 per 1000.
Cash with orders.
Swenson, Florist, Winsted, Conn.

CARNATION PLANTS.
Clean, healthy stock.
300 Winsor, first size.
200 Winsor second size.
175 Pink Enchantress, first size.
100 Pink Enchantress, second size.
100 Pink Imperial, first size.
125 Pink Imperial, second size.
100 White Enchantress, second size.
100 Patten, second size.
$4.00 and $6.00 per 100.
Cash with order, please.
Geo. W. Russell,
Fishkill-on-Hudson, N. Y.

STOCK FOR SALE

CARNATIONS

FIELD-GROWN CARNATION PLANTS.
Enchantress .....$6.00 per 100
Winsor ..... 5.00 per 100
Queen and Harry Fenn..... 4.00 per 100
By the 1000, 10 per cent. discount.
Cash, please.
John L. Lundsted,
Passaic, N. J.

FIELD GROWN CARNATION PLANTS.
Fine, heavy plants, well branched.
Per 100
Rose Pink Enchantress $6.00
Enchantress 6.00
White Perfection 6.00
Smeller Plants:
Winsor 5.00
Harlowarden 5.00
Patten 5.00
Cash with order. Can ship U. S. Express.
Sunnyside Greenhouse, Dover, N. J.

MISCELLANEOUS

CINERARIA STELLATA—Fine, large plants, $1.00 per 100 or $8.00 per 1000. George Main, Gloversville, N. Y.

STOCK FOR SALE—Stevia, well-rooted cuttings, 75 cents per 100.
Henry Holzapfel, Jr., Hagerstown, Md.

STOCK FOR SALE—Smilax, 2½-in. pots. $15.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

WANTED TO EXCHANGE—100 Dracaena Indivisa, fine, healthy stock, ready for 4 and 5 inch, for 100 Carnations: Enchantress and Winsor preferred. Must be good field-grown stock. R. Hutchinson, Appletrees, Bernardsville, N. J.

CYCLAMEN PERSICUM GIGANTEUM
In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.
J. W. MILLER, Shiremanstown, Pa.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
300 Gardenias (extra fine), at 15 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses,
Pine Brook, N. J.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties: Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tassimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

FOR SALE OR RENT

FOR SALE—Greenhouse business in town of thirty thousand. Bargain if bought at once. Cash. A. D. Montgomery, Hazleton, Pa.

FOR SALE—Old established retail flower store, located on one of the best streets in Providence, R. I. For full particulars address W. B. Stone, Lock Box 973, Providence, R. I.

FOR SALE—Four modern greenhouses, 15,000 ft. of glass; located on the trolley line, 4 miles from Utica, N. Y. A well established florist business and the only one in town. Trade can be easily doubled. Will sell to quick buyer for one-half the cost of houses, to close the estate. Good barn on premises and plenty of land for Carnation growing. Property can be bought on easy terms. Answer quickly for this bargain. Address C. H., care The Florists' Exchange.

FOR SALE.
On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of eight rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.
H. Kuhnert & Son,
Hackensack, N. J.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

MISCELLANEOUS WANTS

WANTED TO RENT—From 5 to 8 greenhouses in vicinity of Baltimore or Washington. Address B. H., care The Florists' Exchange.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terme cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, greenhouse plant, 15,000 to 20,000 feet of glass with dwelling and two or more acres of land, near New York. State full particulars in first letter. Address B. G., care The Florists' Exchange.

WANTED TO BUY—Small retail business or store of beach location, handling fruit as a side line. Preferably near or in Boston. Address A. C., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—20 H. P. high pressure upright steam boiler, in A1 condition. Cash $35.00. Geo. W. Sutherland, Athol, Mass.

FOR SALE—100 sashes, cheap. E. Romain, 1243 Brooklyn Ave., near Ave. D, Brooklyn, N. Y.

FOR SALE—3 sectional boilers at Woodlawn, N. Y. For price and particulars write to Metropolitan Material Co., 1398 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—1 Furman hot water boiler No. 8, in good condition. Come and see it working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—2 wagons, 1 top and 1 open; both wagons in first class condition, hardly been used. Built by Fitzgibbon & Crisp. Address Cole, the Florist, 191 Newark Ave., Jersey City, N. J.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE—Dean Water Boiler Sections and Grates, 30-inch boiler. We have the front and back and 9 sections that go between. Will sell all together or any part separate at a very low price. Quidnick Greenhouses. J. H. Cushing, Prop., Quidnick, Anthony P. O., R. I.

BANKRUPTCY SALE.
At Public Sale, September 1st, 1910, on the premises, 6 good first class greenhouses. Plenty of ground, good location. No competition. Splendid opportunity for cash buyer. Address E. P. Shupe, Trustee, Wooster, Ohio.

FOR SALE—Mercer hot water heater, used only two years, in good condition. Capacity, 1500 square feet, all parts. Price $63.00. This is a high class boiler made by H. B. Smith & Co., worth $175.00 as it stands. R. C. Vernes, 175 Senator St., Brooklyn, N. Y.

JUST THE THING FOR HOT HOUSES.
FOR SALE—At a sacrifice to a quick buyer, 48 sashes 80x45, glazed, with lights 11x14; 6 sashes 60x72, glazed lights 36x35, and a number of smaller sashes. No reasonable offer refused. Apply or communicate with MARCUS COHN, 112 Ellison Street, Paterson, N. J., Box 1515.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE

Two No. 5 Weathered boilers, rated at 1000 ft. each for thirty-five dollars ($35.00) each. One small round Furman boiler rated at 250 ft., fifteen dollars ($15.00); been in use six years, in good shape. 50 boxes of double thick glass, 10x12, at $1.25 each. 20 cents for box extra.

ROBT. A. ELLIOTT, Morristown, N. J.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¾c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¼ in. 2 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 15x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 16 ft and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 16 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 16 ft. and up, at 5c per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y
Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. Rochester, N. Y.
Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA.
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Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY

Peat as Fuel

All Moisture Extracted Therefrom at Small Expense

Consular Agent John B. Brewer of Wiesbaden furnishes the following information concerning the invention of a German engineer which, it is claimed, will make peat "the ideal fuel:"

At a time when the superiority of oil as fuel for seagoing vessels is eagerly discussed and tested, there has come to my notice an invention regarding the production of a new fuel which seems destined to play an equally prominent part in industrial as well as in domestic life and to form an important chapter in the problem of the preservation of the natural resources of the United States.

A civil engineer, having his experimental plant in this district, has found and patented a very simple process for extracting, at little expense, all water from peat, of which inexhaustible quantities are found the world over; inexhaustible because of the continuous and steady growth of new peat formations after exploitation of the old.

Knowing that millions of dollars had been spent in the past for the purpose of completely extracting water from peat on a large scale by powerful pressure, as well as by electricity, my attitude toward the new claim was rather skeptical for some time, and therefore I hesitated to report thereon until I had consulted scientists and experts and until the experiments and tests made before me personally had convinced me of the value of the discovery.

The briquettes made from the material so treated furnish a fuel which appears far superior to the best coal, as to caloric power, low price, small specific weight, and absence of all smoke and ashes during and after combustion.

The freeing from water is accomplished by the admixture of peat-coke to the peat before pressing in the proportion of 1 to 15. As no extraneous substance is used, there is complete independence from other ingredients. The pressing proper is done by specially constructed and patented machinery of a simple kind. As the three main elements of peat are carbon, hydrogen, and oxygen, the process of combustion leaves hardly any ashes, and must seem ideal, since peat contains neither sulphur nor phosphorus nor any other ingredient to which the ordinary smoke nuisance is due.

A copy of the inventor's prospectus is transmitted. [On file in the Bureau of Manufactures, Washington, D. C.]—From *Daily Consular and Trade Reports.*

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Hartford, Conn., Sept. 23-24, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

THE BOSTON CO-OPERATIVE FLOWER MARKET

SEVENTH ANNUAL SALE OF STALLS

The Seventh Annual Sale of Stalls in the Boston Co-operative Flower Market will be held on Saturday, September 3, 1910, at 2A Park Street, Boston, Mass., at 9 A. M.

All growers of flowers will most certainly find it to their interests to attend this sale.

JOHN McFARLAND, SECRETARY
ELIJAH CARTWRIGHT, PRESIDENT

The Original Park Street Flower Market

Saturday, Aug. 27th, at 9 a. m.

The Annual Sale of Stalls at the Original Park Street Flower Market, will take place on Saturday, Aug. 27th, at 9 a. m. at

1 PARK STREET, BOSTON, MASS.

WILLIAM C. STICKEL, President
GEORGE CARTWRIGHT, Treasurer

Please mention the Exchange when writing.

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also **Celeriac,** $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 50c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Rudolph Avenue, Jersey City, N. J.
Please mention the Exchange when writing.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

The Daily Press and Horticulture

We hear a good deal of the progress of education, but think that we are yet scarcely in sight of perfection, while the Daily News, in writing of new Sweet Peas, gravely informs its readers that hybridization is "the mixing of one variety of pollen with another." We have often wondered why (while things are in this deplorable state), the leading dailies do not pay a retaining fee to some naturalist to read this kind of proof for them. There are many good men to whom the fee would be a blessing, and then the public would not have to put up with the wild statements which now fly around whenever horticulture or science are touched upon—*Horticultural Advertiser,* Eng.

—All of which we heartily endorse.

Primroses

Improved Chinese Finest grown. All colors mixed, single and double, strong, ready for 4-inch pots, $4.00 per 100.

Cyclamen Giganteum Very extra fine, 4 in., ready for 6 or 6-in. pots, $10.00 per 100.

Primula Kewensis Extra strong and fine, $1.00 per 100.

XXX SEEDS

Chinese Primrose finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

Primula Kewensis the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

Giant Pansy The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.

WE CAN PLEASE YOU.

JOHN F. RUPP
SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.60, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

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

EVERY DAY

New Fresh Ribbons come from our Looms; these are the qualities we offer

DIRECT TO THE FLORIST

Lowest prices, best qualities.
Samples will prove assertions; postal brings samples.

The Pine Tree Silk Mills Company
Philadelphia, Pa.

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roptage made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own

FLORISTS' SUPPLIES

Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

And are enabled to supply large and small sizes in any quantity and at most attractive prices. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples and lowest prices cheerfully sent upon application. Correspondence solicited.

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18 Cedar Street, New York

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Southern Notes

We have not suffered from scarcity of rain this year. All vegetation has flourished wonderfully. Crops are very good. Corn is fine. The cotton has suffered from continual rains and lack of work. Vegetables have been abundant. The pastures, meadows and lawns are fine.

We have had some beautiful Roses here this year. Killarney has made good to some extent with us, and has given us some fine blooms this Spring and Summer. Where we disbudded, the blooms were especially fine. Still, I hardly believe that it is destined to be a popular garden Rose in the South. Mrs. Jardine is most lovely and has great substance; all are enthusiastic over the make-up and coloring of this charming Rose. Wm. R. Smith has produced more blooms this season than any variety we have, excepting Rhea Reid. Among the new varieties we are trying this season Pie X is most promising. It flowers freely and the form is perfect.

Why is not the Shasta Daisy more generally grown in the South? It is charmingly pretty; we have never shown anything that received more praise. The Columbiue is another pretty thing; it does not need to be replanted each year. The only trouble that we have with perenuials is "crowu rot." I give it that name because I know no other. When it is very rainy the large clumps of Digitalis, Columbine, etc., rot. I have tried to prevent it, but have not succeeded. If any readers know how to stop it, please let me know.

We are now sowing all kinds of perennial seeds, and potting up Ferns for another year's growth. The Whitmani and Amerpohli varieties are the best sellers of the Nephrolepis section; among Maidenhair Ferns, Hybridum is the favorite.

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This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

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2-8 Duane Street, New York



Please mention the Exchange when writing.

Greenhouse Building

ST. MICHAELS, MD.—Geo. Juergens is having erected a greenhouse 17x100 ft.

DEDHAM, MASS.—H. A. Stevens is enlarging his greenhouses on Washington st.

WICHITA, KAN.—F. Keichenmeister will build a two-story, gable-roofed residence at 931 Nims ave., costing approximately $5000.

PHILADELPHIA, PA.—W. P. Pritchett is having built a greenhouse, 16x50 ft., and a tool house, 16x21 ft., at 6203 Germantown ave., costing $2000.

EASTHAMPTON, MASS.—J. E. Cogan has sold his place on West st. to a Springfield man who intends to construct a new greenhouse there.

KENNEBUNK, ME.—J. O. Elwell has been making repairs at his greenhouses on Brown st., including the building of a cement wall under one of the boiler houses.

TROY, O.—L. A. Thomas has let the contract for the erection of three new greenhouses. Two of the buildings will be 150x28 ft., and the third will be 150x16 ft.

DEFIANCE, O.—The installation of a mammoth hot water system has been commenced in the Winterich greenhouses. The cost of the plan will approximate $4,000.

FAIRVIEW, ILL. — Extensive improvements are being made by Mr. Eldredge at his greenhouses, among which is the erection of a new cement chimny, 50 ft. high, 30 in. inside diameter.

EVANSVILLE, IND. — Thomas H. Peet of Cambridge City, Ind., has entered into partnership with Frank Miller of this city, and the two have just completed a small greenhouse on the premises of Mr. Miller on Ohio ave.

GREEN BAY, WIS. — Two large greenhouses have been erected for Carl Meier & Co. A space 42x80 ft. is occupied by the new addition. The framework in these buildings is all iron except the rafters. These are the first iron framework houses built in this section.

PORTSMOUTH, O.—The Herms Floral Co.'s store at the Majestic Theatre corner was entered by burglars and robbed of $55. The thieves managed to gain an entrance through the roof, coming on to it by way of the play house. Not all the money in the drawer was taken, as much small change and many bills and checks were left untouched.

BIDDEFORD, ME.—The Strout Co. will erect a greenhouse 140x30 ft. as soon as the material for the construction arrives and other plans are formulated. Extensive plans are in preparation for the development of the business. In fact, the construction of two other houses is already contemplated. These include a concrete bulb cellar and the improvement of the section under the office.

Hadley, Mass.

The Montgomery Rose Company has in its plant at East Hadley two glass houses, 40 ft. wide by 500 ft. long. The company has 22,000 Rose bushes, including four varieties, well started and expects to begin cutting in the latter part of September. The bushes are doing well, the soil and climate seeming to be particularly well suited to the American Beauty. The industry promises to be of great value to Hadley, and Amherst also will benefit from it.

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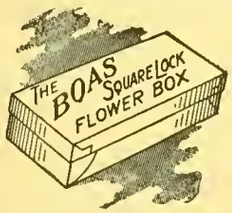

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NEW YORK, Aug. 17.—The condition of the cut-flower market, as compared with last week, shows very little change either in the volume of arrivals of flowers, sales, or prices.

The quality of Roses of all kinds has improved somewhat. After the better grades of Roses have been sold, the rest are moved only at very low prices.

A few American Beauty Special Roses realize $3 per dozen, but 20c. each is the top notch price in most sales of specials. After that the price covering all the remaining grades is from 1c. to 10c. each.

The arrivals of Killarney, My Maryland, Bride and Bridesmaid are gradually increasing, but the demand has not increased, and consequently their movement is slow. The best Killarney blooms bring 5c. each, My Maryland 6c. each, Kaiserin (the supply of which remains about the same), 6c. each, and extra Bride and Bridesmaid 3c. each. These are the top prices for the very best blooms. The remaining grades are selling all the way from 25c. up to the above prices.

Carnations are practically out of the market. The few now coming in with difficulty find buyers at 75c. per 100 for the best blooms obtainable. The supply of Orchids is very short indeed, but there is little call for them, and the price remains unchanged, the best Cattleyas realizing 60c. each. The supply of Lily of the Valley is also somewhat short, but there is enough to meet the small demand. $3 per 100 is the highest price for the best grade of blooms.

Lilies are coming in a little more abundantly this week, and are moving more slowly, with falling prices ranging from 2½c. to 4c. each. Gladioli are very abundant, and neither the quality nor price shows any improvement. The sales are large and the prices range from 50c. to $1 per 100. Very few really good Asters are seen as compared with the great number of poor ones. There is a fair demand for the better quality of blooms, but the poorer grades are moved only by making the price extremely low. The prices range from 20c. to $2 per 100.

Quite a few Tritoma and Hydrangea blooms are now in the market. Both move slowly at $1 to $2 per 100. The supply of Smilax just now is a little short, and the price has advanced to $1 to $1.50 per dozen strings. There is no change in the supply of Asparagus, or in the sales or price.

PHILADELPHIA, Aug. 15.—The market today is not overloaded with the higher grades of blooms of the different kinds, but it is over supplied with the poorer specimens of Asters and Gladioli. The only new blooms observed are Cosmos in various colors and Tritoma Pfitzeri.

Some of the new crop of American Beauty Roses with 36-in. stems, and of good quality, are coming into the market. Specials are selling at from $2.50 to $3.00 per dozen, while the highest prices obtained for extra No. 1, and ordinary are, respectively, 20c., 10c. and 6c. each.

The highest grade of blooms of Killarney, My Maryland, Richmond, Golden Gate, Perle, and Kaiserin is selling for 6c. each, and the lowest grade for 2c. each. The supply and demand are well balanced. Kaiserin are more abundant than last week. Killarney and My Maryland are good in quality for the season. The quality of the few Bride and Bridesmaid now arriving is such that the demand is small; 4c. each is the top notch price for the highest grade of blooms.

Blooms from the young Carnation plants are not yet in the market, and those from the old plants are of very poor quality. A very few realize $1.50 per 100, but in most sales $1 per 100 is the highest price obtained.

Orchids are very scarce. The demand is not heavy, but the scarcity has advanced the price to 75c. each for the best Cattleyas.

A few Gardenias are arriving, but they are moving rather slowly at 10c. each for the best blooms.

The supply of Lily of the Valley is rather short, and the demand easily uses it up. The best blooms bring $4 per 100.

The cut of Lilies is more abundant, and the demand is good. They are a favorite flower. The prices range from $1 to $1.50 per dozen. This price covers not only Harrisii, but the few Auratum and Ruhrum which are now arriving.

Gladioli are very abundant. The light colors, especially those which are most nearly self-colored, and also some of the best self reds, sell readily; but the variegated varieties, and those with small flowers, meet with little favor. The very best blooms realize 5c. each, and the poorest not much better than $1 per 100.

Tens of thousands of Asters are arriving of such inferior quality that no one cares to buy them, and if they sell at all, they go for almost nothing. On the other hand, there are not as many good Asters coming in as could be sold. The best blooms are selling for $2.50 per 100.

The demand for greens is a little heavier, but not as yet brisk enough to raise the prices.

CHICAGO, Aug. 16.—Monday night the long-looked-for rain arrived, and a very heavy storm prevailed for several hours, doing a world of good. It was needed badly in every respect, as all florists with outdoor stock were becoming greatly discouraged owing to the dry weather; twenty-four hours' steady rain would have been hailed with joy. For small favors, however, we are thankful and much benefit has been derived from what fell on Monday.

There is no complaint to offer regarding market conditions. Roses are at this time the standby; they are in greater demand owing to there being no Carnations, so to speak, and the poor quality of most Asters necessitates replacing their loss with Roses. Of course, there are multitudes of Gladioli that are commanding quite some attention, especially the fancy varieties, which seem to move rapidly. The common sorts do not appear to be at all popular, and many of them remain unsold.

American Beauties are the most sought after in the Rose line, but as yet there is not an abundant supply of good ones; the other varieties are taken in their stead. Some good Maryland and Kaiserin are to be had, and Killarney, both pink and white, are improving wonderfully. The prices for these vary according to quality, but the cream of stock in these sorts bring $7, $8 and $10 when extra fine. Carnations we cannot talk about, of course. There are some field-grown in the market that are not very desirable. It is only occasionally that one sees a bunch of Carnations worthy of notice. Asters generally are poor, but the past few days have brought some extra fine fancy sorts that are eagerly sought after. It is expected that the late crop of Asters, which is due shortly, will be of a far superior quality to what the early crops have been.

The early Chrysanthemum, Golden Glow, which is to be had in limited quantities, is not much sought after. People do not seem to cater to them as well when out of their season. Orchids are showing up in a little greater quantity this week. Last week it was almost impossible to fill the call for them and the demand was very light at that. The price remains at $6 per doz.

Some few pots of Cosmos and Rudbeckia Golden Glow are about the extent of miscellaneous stock to be found; in fact, never was there such a small variety to choose from. Lilies continue to come in extra fine and both Easters and Auratums find a ready output. Very little Lily of the Valley is to be seen; the demand, however, is very light.

Greens are plentiful and, as is usual at all times, are used where there is a call for flowers.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

You Will Find Everything Here in Good Summer Stock
Lilies, Gladioli, Kaiserins and Asters
Growers not acquainted with our methods of business will find it to their advantage to do business with
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK

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BOSTON, Aug. 16.—The market this week is in better shape and all salesmen are more cheerful, as all flowers are in better demand and prices have an upward tendency. Stock is not overplentiful, owing to the dry weather and the markets clean up well daily; in fact, there is very little surplus left. The early part of the week was very good, and Saturday was an extra good market day for the month of August.

Roses are more plentiful and are getting better prices.

Carnations are slightly more plentiful; presumably they come from young stock, and prices are good for the best quality.

Sweet Peas are very poor, owing to the continued dry weather. There is a very fair demand for good Sweet Peas. For those that are in the market now prices are very poor. There is also a demand for good Batchelor Buttons. The supply is rather small now.

Gladioli, especially the variety America, are selling well and are the favorites. There is also good demand for scarlet Gladiolus, as there is no other flower in the market at this time of that color.

Cosmos, both pink and white, are selling well at present. Lilies are in good demand. Tritomas are asked for, but there are not many of them in the market. Gardenias are still around, but prices are rather low. Asters are quite plentiful and in good demand, bringing very satisfactory prices. Asparagus is plentiful, but there is not much call for it. R. C.

PROVIDENCE, Aug. 16.—The market conditions are changing for the better, in Rose line especially, firsts bringing $6 to $8 per 100, specials $4 to $6 per 100, seconds $3 to $5 per 100, thirds $1 to $2 per 100. American Beauties, no change from last week—$5 to $25, according to four grades. Asters are more plentiful and quality better, and realize 25c. to $1 per 100 . Sweet Peas, 10c. to 25c. per 100; Lily of the Valley, $3 to $4 per 100; Lilies, $6 to $8 per 100; Centaurea, 25c. to 50c. per 100; Chrysanthemums, $1 to $2 per dozen; Asparagus, 50c. per bunch; Ferns, $1.25 per 1000; Galax, $1 per 1000. H. C. N.

ST. LOUIS, Aug. 15.—The wholesale market is at present made up mostly of outdoor flowers and is in a very unsatisfactory condition. Of course, there are good days, but the bad ones are far in the majority this Summer, as the complaint is general that this has been a very dull Summer, and this is from the leading dealers in the West end during the few bright moments when business was good. We strolled through the commission houses and found plenty of stock of the poorer grades in Asters, Carnations and Roses; fancy grades in these are scarce. Some extra fine Giganteum Lilies are selling at $10 per 100; Tuberoses, $4; Gladioli, $3 and $4 per 100; large heads of Hydrangeas at $4 to $5 per 100. Fancy Ferns and Asparagus are selling well; Smilax is also in demand. ST. PATRICK.

Providence, R. I.

Louis Clarner, formerly market gardeuer at Abbott Run, R. I., we learn is to devote one house, about 30x100, to the production of Carnations for the wholesale trade.

W. S. Sword, Valley Falls, R. I., is kept quite busy spraying. He has two outfits constantly in operation and expects to purchase a larger outfit in the near future. He has just finished grading and planting a hedge around new public library.

Fred Covill, manager of the floral department of Shepard & Co., Providence, left Monday for a two weeks' vacation.

J. Koppleman & Co. have added an attractive sign around the base of their window, which adds very much to the window display.

W. S. Nichols, Hampden Meadows, R. I.; Wm. Crampton, East Greenwich, R. I.; D. E. Newell, Attleboro, Mass., and Mr. Franklin, of Franklin & Croshy, Danielson, Conn., were recent visitors in town.

G. F. Williams, treasurer of W. E. Barrett Co., and W. A. Fisk, president, with their families are spending the Summer at Prudence Park, R. I., traveling to and from business daily.

O. H. Williams was busy Monday with funeral work, having several large designs to make. Wm. Hay reports stocks of Roses coming in better, with a slight advance in prices.

The R. I. Florists and Gardeners' Club met Monday evening. Among the new members admitted were: Albert Holscher, John Burke, Chas. Haskins, H. C. Neubrand and M. J. Leuch.

John Johnston, of Johnston Bros., has returned from his vacation.

F. E.—Best Advertising Medium

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Violets, Roses, Carnations, Orchids
Established 1886

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34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Aug. 17th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 25.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	1.00 to 2.00
Killarney	.25 to 5.00
White Killarney	.25 to 5.00
My Maryland	.50 to 6.00
Richmond	.25 to 2.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 6.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.25 to .50
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunchee	.12 to .20
Sprengeri, bunches	.12 to .20
Asters	.20 to 2.00
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.... to ....
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .25
Standard Varieties: White	.50 to .75
Standard Varieties: Pinks	.50 to .75
Standard Varieties: Red	.50 to .75
Standard Varieties: Yel. & Var.	.50 to .75
Fancy (The highest grades of Sta'd varieties): White	.... to ....
Fancy (The highest grades of Sta'd varieties): Pinks	.... to ....
Fancy (The highest grades of Sta'd varieties): Red	.... to ....
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.... to ....
Gladioli	.50 to 1.00
Hydrangea	1.00 to 2.00
Lilies, Harrisii and Longi.	2.50 to 4.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.... to ....
Tritoma	1.00 to 2.00
Tulips	.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
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Edw. C. Horan
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TELEPHONE, 1462-1463 MADISON SQUARE
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Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m
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Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

New York

The firm of Gretsch & Ordonez Bros., 52 West 28th st., has dissolved partnership. This partnership was formed only a few months ago. Previous to its formation Ralph Gretsch had been in business for several years and he will now continue the business of a wholesale commission florist at his old stand, 52 West 28th st., where he will be glad to see all of his old customers and friends. Ordonez Bros. will continue their business as Orchid dealers and growers at Madison, N. J.

N. Lecakes, 53 West 28th st., has just returned from a trip through New Hampshire and Vermont, and is finishing his vacation at South Norwalk, Conn., where he has a Summer residence on a 45-acre estate, on which is a 14-acre Lily pond. Stathis Cotsonas has just returned from his vacation at South Norwalk.

Harry Cathcart of the U. S. Gardens, Newburgh, N. Y., in company with P. W. Herbert, manager of the U. S. Gardens, was recently in New York completing arrangements with C. B. Weathered, of the Weathered Co., for two greenhouses. One house, 30 ft. by 275 ft., will have an ornamental division in the center for Palms, and the rest of the house will be used for growing My Maryland and white Killarney Roses. A second house, 53 ft. by 110 ft., will be erected for growing 'Mums and bedding plants. Sweet Peas, however, will be grown in this house this season. These greenhouses will be of iron and concrete, with curved eaves. With the house, 35 ft. by 165 ft., completed in June, the U. S. Gardens will now have about 40,000 ft. of glass. The cut of flowers from this establishment is consigned to Henshaw & Feurich, 51 West 28th st.

Miss Mona Smedley, bookkeeper for J. K. Allen, 110 West 28th st., is taking a few days' vacation at Rockaway Beach.

Jonathan Nash of Moore, Hentz & Nash, Coogan Building, West 26th st., and Mrs. Nash are spending a few weeks at Stamford, N. Y.

A. L. Young, 4 West 28th st., recently called on old friends at Greenwich, Conn., and put in a day at crab fishing at Nyack, N. Y.

James F. McConnell, manager for the firm of Louis M. Noe & Louis A. Noe, Coogan Building, West 26th st., and Mrs. McConnell are taking a two weeks' vacation at Athenia, N. J.

Postals from Andrew Sauter to his friends state that he and his family are now in Berlin, Germany, and that they are due in this country Sept. 10.

Nick, the florist of 391 Knickerbocker ave., Brooklyn, is seen on West 28th st. with a handsome new covered florist's wagon.

B. S. Slinn, Jr., Coogan Building, has returned from Pine Plains, N. Y., where he has been in camp with the 1st Signal Corps, and has gone to Atlantic City, N. J. It is learned that Mr. Slinn, in conjunction with other parties, has taken a five years' lease of about 3000 ft. floor space on the first floor of the Coogan Building, in addition to his present quarters. Stairs will be built in to connect the two stores. The lease will begin Sept. 1. A full line of all kinds of flowers will be carried. In addition to the cut of flowers from fifty or more Violet growers there will be received the cut of blooms from some of the largest Rose and Carnation growers.

Moore, Hentz & Nash, Coogan Building, West 26th st., are now receiving Cattleyas and Dendrobiums from the

Chatham, N. J., greenhouses of Mr. Moore, and a new crop of Beauty, Bride and Bridesmaid Roses from Mr. Hentz's greenhouses at Madison, N. J.

Saturday, Aug. 13, was Gladioli day at John Lewis Childs' Gladioli farm at Flowerfield, L. I. Special invitations were sent out to representatives of the trade and trade papers.

A notice at the stand of William H. Siebrecht, Cut Flower Exchange, Coogan Building, announces that it will be closed from Aug. 15 to 29. J. Vocke, the manager, will take his vacation during these two weeks.

William Keiser of Jersey City announces on the bulletin board of the Cut Flower Exchange, Coogan Building, the loss of a small gold watch and chain, and offers a reward for their return.

Horace E. Froment, 57 West 28th st., is taking a vacation at Saratoga, N. Y.

Paul Rigo, who is with Henshaw & Fenrich, 51 West 28th st., is taking a vacation in the Ravonah Mts., Sullivan Co., N. Y.

Boston

The weather has been quite comfortable without great extremes, but we are still suffering very much without rain and many of the crops are completely spoiled for the lack of moistnre.

Sweet Peas are very poor and also very scarce just for the want of rain and there are many other crops in a similar condition.

Through the hard and energetic work of E. Allen Peirce, the largest delegation left on Monday for the Rochester Convention that has gone from Boston for years. There were three special cars. Mr. Peirce is worthy of great praise for his hard work and the time that he has spent in trying to get a large delegation from this city.

William Paterson of Wallaston is sending some extra fine Gladiolus America and other distinct colored varieties to market this week, which find a ready market.

Comet Asters are selling well now and Willow Hill Greenhouses, West Roxbury, are sending some good ones to market.

Sam Goddard of Framingham is shipping this week some good Carnations and getting a good price for them, as this commodity is very scarce at this time.

John McFarland of North Easton is cutting some good Carnot Roses, of which he makes a specialty, and they are selling well at this time. He is still cutting Gardenias but the demand for these is not very good.

A letter from George Mangolis of the firm of Henry M. Robinson Co. tells of his being in Paris, having a pleasant time.

The Sutermeister estate is sending this week to market a very fine lot of Gladioli, which are of excellent quality.

The baseball game between the Park St. Flower Market men and the Madbury team took place at Belmont on Saturday, August 13. It was unfortunate for the market men that their best players had been away on vacations and they had to use many substitutes who did not know much about the game. They played 11 innings and the result was 3 to 2 in favor of the Madbury team. Elijah Wood made an excellent umpire. They are to play again on the first Saturday in September.

On August 27, at 9 a.m., the annual sale of stalls will take place at the flower market at 1 Park st. It will be well for all those who are interested in flower growing to attend this sale. Wm. C. Stickel is president and George Cartwright is treasurer.

A communication from J. P. Van Baarda of the firm of Joseph Breck & Son, who is now in Holland, contains the news that he is busy among the bulb growers and having a pleasant sojourn in his native country.

The retail flower stores of Bar Harbor, Me., report a good Summer business. The stores are most beautifully arranged and decorated at this time with outdoor flowers. There are many flowers to be seen in these stores that we never see in our city stores. Especially fine Shirley Poppies, Sweet Peas of excellent color, Montbretias, Lilies of all kinds, Galtonias, Snapdragons, Penstemons and scores of other fine flowers make a glorious show. The exhibition which took place on Saturday and Sunday was a great success in every way. The outdoor flowers were of excellent quality, with the exception of Perennial Phloxes and Chinese Asters which were rather poor. The Mount Desert Nurseries put up a grand display of Montbretias and other outdoor plants. Nephrolepis Milleri, which was raised at the Nursery, was shown in fine shape and makes a handsome plant in 6 and 7-in. pots. The finest Gladioli we have seen for a long time were on exhibition. Sweet Peas were very good and the color excellent. The fruit shown was of excellent quality and the display of vegetables was very good indeed. The judges were: Harry Turner of Castle Gould, Richard Gardner of Newport, Wm. N. Craig of North Easton, Edwin Jinkin of Lenox, and William Anderson of South Lancaster. Robert Cameron of Cambridge was manager of the exhibition.

Peter Miller of the Thomas Grey Seed Co. has been spending a few days in Bar Harbor and visiting the many private estates, where he booked several good orders.

H. H. Rogers of South Sudbury has a splendid field of Asters and he is shipping some this week with extra long stems.

F. W. Robinson, who was ten years chauffeur for Peirce Brothers, Waltham, is now chauffeur for President Taft at Beverly.

The seventh annual sale of stalls of the Boston Co-Operative Flower Market will be held on Saturday, September 3, at 2 Park st., at 9 a.m. Growers of flowers will certainly find to their advantage to attend the sale. Elijah Cartwright is president and John McFarland is secretary.

R. C.

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Aug. 15, 1910	Pittsburgh Aug. 16, 1910	NAMES AND VARIETIES	Boston Aug. 16, 1910	Detroit Aug. 15, 1910	Cincinnati Aug. 16, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	16.00 to 20.00	..... to 25.00
12.50 to 18.00	12.50 to 15.00	" extra	6.00 to 12.00	12.00 to 16.00	16.00 to 20.00
10.00 to 12.50	6.00 to 10.00	" No. 1	1.00 to 3.00	9.00 to 12.00	8.00 to 12.50
4.00 to 6.00	..... to 4.00	" No. 2	..... to	3.00 to 8.00	4.00 to 6.00
2.00 to 6.00	2.00 to 8.00	Killarney	.75 to 4.00	3.00 to 6.00	..... to .....
2.00 to 6.00	3.00 to 8.00	White Killarney	.75 to 4.00	3.00 to 6.00	..... to .....
..... to	2.00 to 6.00	Bride and Bridesmaid	.75 to 4.00	3.00 to 6.00	..... to .....
..... to	2.00 to 8.00	My Maryland	.75 to 4.00	3.00 to 8.00	..... to .....
2.00 to 6.00	2.00 to 8.00	Richmond	.75 to 4.00	3.00 to 8.00	..... to .....
2.00 to 4.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
2.00 to 8.00	2.00 to 8.00	K. A. Victoria	.75 to 4.00	4.00 to 9.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.25	.50 to 1.00	..... to .....
20.00 to 30.00	20.00 to 35.00	Asparagus, Plumosus, bunches	..... to	20.00 to 50.00	20.00 to 25.00
20.00 to 30.00	10.00 to 30.00	" Sprengeri, bunches	..... to	20.00 to 50.00	..... to .....
.50 to 2.00	.50 to 1.50	Aster	.75 to 2.00	..... to	.50 to 2.00
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	..... to	..... to .....
..... to	..... to 1.00	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to	1.50 to 2.00	Standard Varieties: White	.75 to 1.50	1.00 to 1.50	..... to 1.00
..... to	..... to	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50	..... to 1.00
..... to	..... to	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50	..... to 1.00
..... to	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) White	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Pink	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Red	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to	..... to 1.00	Daisies	..... to	..... to	..... to .....
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .15	..... to .15
..... to .20	..... to .12½	Galax, green and bronze	..... to	..... to .12	..... to .10
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 4.00	2.00 to 4.00	Gladiolus	3.00 to 5.00	4.00 to 8.00	2.00 to 4.00
..... to 10.00	..... to 10.00	Lilies, Harrisii and Longi	4.00 to 5.00	12.50 to 15.00	..... to 15.00
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 4.00	3.00 to 4.00	..... to 4.00
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	..... to	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Panelas, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Poonies	..... to	..... to	..... to .....
..... to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	..... to	1.25 to 1.50	..... to 1.50
..... to .25	..... to	Sweet Peas	.15 to .20	.30 to .50	..... to .....
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

New Bedford, Mass.

Trade has been very good here the past week. Flowers are very plentiful, especially Asters. These latter are coming in, in great supply, and the demand is very good; they retail at 35c. per doz.; Roses are fair; they sell at $1 and $1.50 per doz. Gladioli are in good suppiy; these retail at $1 per doz. Sweet Peas are not as plentiful just now; they are selling at 50c. per 100 blooms, retail. Carnations are about done; it will soon be a matter of housing the young stock. There is an abundance of outdoor flowers to choose from just now. Stock in the field and garden is looking fine. This has been a grand growing season; we have had plenty of good showers and good sunshine.

S. S. Peckham will have an immense lot of Chrysanthemums for the Fall.

E. H. Chamberlain and wife have gone to Bethlehem, N. H., in the White Mountains, for two weeks.

Julius Rositzsky, manager for Wm. P. Peirce, has just returned from a week's vacation spent in this locality; he will spend another week later in and around Philadelphia. Mr. Peirce reports a good week of sales.

Geo. N. Borden, foreman for R. H. Woodhouse, will leave soon for New Hampshire for a two weeks' vacation on Lake Winnepansapkie.

The stores still close at six in the evenings, and Wednesdays at noon.

J. H. Cleary has closed his store; reasons not known yet definitely.

The parks and cemeteries are looking fresh and green after the good rains we have had.

HORTICO.

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

Buffalo

Mr. and Mrs. W. J. Palmer and Mr. and Mrs. Wm. F. Kasting left for the convention in their touring cars and will visit many of the towns in the vicinity of Rochester.

L. H. Neubeck, captain of the bowling team, is very busy getting his team together. The list of available men is composed of L. H. Neubeck, Wm. F. Kasting, Samuel Wallace, Joseph Striet, George McClure, Sr., Walter Boettger, Edward Walther and Mr. Mansfield. With these men to pick from, they will no doubt make a very good showing. They will miss one of their star bowlers in Mr. Sandiford who is in Europe.

Members who have so far expressed a willingness to go to Rochester are: W. J. Palmer and wife, Mr. and Mrs. W. F. Kasting, Emil Buecker, Wallace Eiss, Joseph Sangster, Joseph Striet, S. A. Anderson, L. H. Neubeck, George McClure, Walter Boettger, Rudolph Boettger, Chas. Riechert, Samuel Wallace, Richard Mansfield, Wm. Grever and others. The Club ought to send down about 50 from here.

Recent visitors, on their way to the convention: Wm. F. Haeger, Hill City, Tenn.; E. C. Ludwig and family, Pittsburgh, Pa.; Forrest R. Mittener, Dayton, Ohio.

Frederick A. Katoll, the florist of 976 Ellicott st., died early Tuesday morning in the General Hospital as the result of injuries received several days ago by being thrown from a buggy in which he was riding along Ellicott st. Following the accident he was hurried to the hospital, where he was attended by Drs. Conrad Diehl, Thew Wright and Norman L. Burnham. It was found Mr. Katoll's skull was fractured at the base, and very little hope of his recovery was held out. His family was notified at midnight that he had only a short time to live. Death ensued just before 1 o'clock.

W. H. G.

Washington, D. C.

A severe hailstorm passed over the eastern section of the District on Wednesday, doing great damage around Congress Heights and thence in a path on through Prince George County, Md., to Marlboro. In many places all vegetation was destroyed.

The caterpillars have been working such injury to the trees along the streets and in the public parks that the use of a regular spraying machine operated by gasoline engine has become necessary.

This is about the crisis of the dull season, but there is considerable funeral work at times.

The Florists' Exchange is receiving consignments of some good Gladioli from New Jersey and excellent Valley from W. R. Gray, Oakton, Va.

Fred Baur of Baltimore is in the city looking over some of the large growing establishments. Chas. Seyhold was also in town during the week.

Among those attending the convention are: Mr. and Mrs. Geo. C. Shaffer, Mr. and Mrs. Geo. H. Cooke, Mr. and Mrs. Neidninskie, Mr. and Mrs. Wm. F. Gude, Mr. and Mrs. Adolph Gude, Theo. Deitrich, Saml. Simmons, Wm. H. Ernest and Robt. McLennan. Some florists from Richmond are also expected to join the Washington party and all are anticipating the usual good time.

JAS. L. CARBERY.

Field-Grown Carnation Plants

	100	1000
PINK.		
Winsor	$7.00	$60.00
R. P. Enchantress	7.00	60.00
Enchantress	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Jooste	5.00	45.00
WHITE.		
Enchantress	8.00	70.00
Perfection	7.00	60.00
Bountiful	$6.00	
Boston Market	6.00	$55.00
Queen	6.00	55.00
Queen Louise	6.00	60.00
RED.		
Bassett	7.00	60.00
Beacon	7.00	60.00
CRIMSON.		
H. Fenn	6.00	

All the plants we are offering are grown in this section. Each lot, before we list them, is carefully inspected, to insure that the plants are in a good, healthy condition. Early planting is recommended by most growers, but if you are not ready for the plants, we can book your order and reserve for future delivery. It is advisable to buy early, as the better varieties will move fast.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Aug. 15, 1910	Buffalo Aug. 15, 1910	NAMES AND VARIETIES	Phil'delphia Aug. 15, 1910	St. Louis Aug. 15, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	15.00 to 20.00
..... to	12.00 to 15.00	" extra	15.00 to 20.00	8.00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 10.00	4.00 to 6.00
..... to	..... to	" No. 2	4.00 to 5.00	..... to .....
2.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	3.00 to 5.00
2.00 to 4.00	2.00 to 6.00	White Killarney	2.00 to 6.00	3.00 to 5.00
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	1.00 to 4.00	..... to .....
2.00 to 6.00	2.00 to 6.00	My Maryland	2.00 to 6.00	3.00 to 4.00
..... to	2.00 to 6.00	Richmond	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	2.00 to 6.00	..... to .....
2.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 5.00	4.00 to 6.00	K. A. Victoria	2.00 to 6.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
.50 to 2.00	.40 to 2.00	Aster	.50 to 2.50	1.00 to 5.00
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to .75	.75 to	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
1.00 to 1.50	..... to	Standard Varieties: White	1.00 to 1.50	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Pink	1.00 to 1.50	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Red	1.00 to 1.50	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Yellow and var	1.00 to 1.50	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): White	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Pink	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Red	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Yellow and var	..... to	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz	5.00 to 10.00	..... to .....
3.00 to 6.00	2.00 to 4.00	Gladiolus	1.50 to 5.00	..... to .....
..... to 12.50	8.00 to 10.00	Lillies, Harrisii and Longi	8.00 to 12.50	10.00 to 12.50
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to 3.00
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyas	..... to 50.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Panaies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to .....
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		to	to

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Field-Grown Carnations

WE offer the following, which are extra strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $8.00 per 100, $75.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, $7.00 per 100, $60.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
O. P. Bassett, $6.00 per 100.
Dorothy Gordon. $15.00 per 100, $100 per 1000.
Victoria, $6.00 per 100, $50.00 per 1000.
Pink Delight, $15.00 per 100.
Mrs. Knopf, $6.00 per 100.
Carnegie, $6.00 per 100.



CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Philadelphia

The S. S. Pennock-Meehan Co. is receiving some exceptionally fine Vick's branching and Vick's upright Asters, and some good Cosmos in several colors. Mr. and Mrs. Charles Meehan are now in Minneapolis, Minn.

Will Rehder of Wilmington, N. C., whose specialties are Southern Smilax and Venus' Fly Trap, stopped over at Philadelphia on Monday while on his way to the S. A. F. Convention at Rochester and called on the trade.

Mr. Tanner of Radcliffe & Tanner, Richmond, Va., accompanied Edward Reid and his son Floyd to the S. A. F. Convention, all of them going along with the Philadelphia party of florists.

Stuart Miller, who is with Edward Reid, in company with Thomas Henry of 2200 Germantown ave., has gone on a two weeks' vacation to the Thousand Islands. They will visit Toronto, Niagara Falls and other points of interest.

Samuel F. Lilley of 5 So. Mole st. and his family are on a fifteen days' vacation at Wildwood, N. J.

James F. Smith is at the S. A. F. Convention at Rochester this week in charge of the Folding Paper Box exhibit of William J. Boas & Co. of 1042 Ridge ave.

William Crawford, who is with Robert Kift at 1725 Chestnut st., is now taking his annual vacation. The Kift store and conservatory are now undergoing a thorough overhauling and being made ready for the Autumn trade.

David Rust is still unable to be at his office at Horticultural Hall on account of a sprained ankle, the injury proving more serious than was at first anticipated.

John Westcott, chairman of the Philadelphia Florists' Club Transportation Committee, and of the S. A. F. & O. H. Sports Committee at the Rochester Convention, with about twenty-five other florists took the special car on the Lehigh Valley R. R. for Rochester at 10 o'clock Monday morning.

Richard Umfrid, who is with the S. S. Pennock-Meehan Co., has returned from a very enjoyable vacation trip to Bermuda. Some of the most pleasing natural features were the mineral caves, the luxurious growth of Sago, Phœnix and other Palms, the Hibiscus, and Oleanders, brilliant with their red, white and pink blooms. About 60 per cent. of the population are blacks and the rest mostly English. Ten of the Boer prisoners who refuse to take the oath of allegiance still remain at Bermuda. The water thereabout is very clear, and trips in glass bottomed boats enable the tourists to see the beautiful fish, and the sea plants. The buildings are of native stone of low build, and are kept whitewashed; the narrow streets are of white coral rolled hard. Rainwater is used for drinking and all household purposes. The temperature ranges now from 75° to 85°. The island is 25 miles long, crescent shaped and 3 to 5 miles wide. It is one of a group of 365 islands. Its population is about 4500, exclusive of visitors, 200 to 300 of whom arrive on every steamer. The ground is now being made ready for the planting of the Harrisii Lilies later. Mr. Umfrid returns much rested by his vacation and greatly pleased with what he saw of Bermuda.

Jacob A. Fries of Bethlehem, Pa., was a recent caller at Robert Craig Co.'s establishment. This company is now building a new Cyclamen house 225 ft. long. Robert Craig, Jr., passed Sunday at Atlantic City, N. J., where Mrs. Craig and the baby are spending a few weeks.

Samuel Irvine has resigned his position as private grower for John Wanamaker, and has again entered the employment of the Grovedale Nurseries of Philadelphia.

Mrs. John Paul of Cumberland, Md., and Will Rehder of Wilmington, N. C., were recent callers on the Leo Niessen Co.

F. E.—Best Advertising Medium

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
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ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
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WHOLESALE GROWERS OF
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DEALERS IN **CUT FLOWERS**
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
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ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
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HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
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Wholesale Prices of Cut Flowers, Chicago, Aug. 16, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		CARNATIONS	
36-inch stems..per doz.	3.00 to 4.00	White.....	1.00 to 1.50
30-inch stems.. "	2.00 to 2.50	Standard Varieties { Pink.....	1.00 to 1.50
24-inch stems.. "	.... to 2.00	Red.....	1.00 to 1.50
20-inch stems.. "	.... to 1.75	Ysl. and Var...	.... to ....
18-inch stems.. "	.... to 1.75	*Fancy White.....	2.00 to 3.00
12-inch stems.. "	.... to 1.00	*The highest grades of Sta'd varieties { Pink.....	2.00 to 3.00
8-in. stems and shorts "	.... to .75	Red.....	2.00 to 3.00
		Ysl. and Var...	.... to ....
Killarney	3.00 to 5.00	Ferns, hardy, per 1000....	.... to 1.50
" extra	.... to 10.00	Galax (green)	.... to 1.00
White Killarney	.... to 8.00	" (bronze)	.... to 1.00
Richmond	4.00 to 6.00	Lilies, Harrisii and Longi.	10.00 to 12.00
My Maryland	5.00 to 8.00	Lily of the Valley.....	2.00 to 4.00
Bride, Maid, fancy special	4.00 to 6.00	Narcissus—Paper White ...	.... to ....
" extra.....	4.00 to 6.00	Orchids—Cattleyas	50.00 to 50.00
" No. 1.....	.... to 2.00	" Cypripediums ...	16.00 to 20.00
" No. 2.....	.... to 1.50	Pansies	.... to ....
Perle	4.00 to 5.00	Smilax	12.00 to 16.00
Chatenay	3.00 to 6.00	.....	.... to ....
Kaiserin	3.00 to 8.00	Violets, single	.... to ....
Uncle John	3.00 to 6.00	" double	.... to ....
Mrs. Marshall Field	.... to 6.00	Asters	1.00 to 4.00
Adiantum	.75 to 1.50	Gladioli	3.00 to 6.00
Asparagus, bunch	.35 to .75	.....	.... to ....
" Sprengeri	.35 to .75	.....	.... to ....
Chrysanthemums, doz. ...	1.50 to 2.00	.....	.... to ....
" fancy doz.	.... to	.....	.... to ....
Daisies	.75 to 1.00	.....	.... to ....
.....	.... to	.....	.... to ....
.....	.... to	.....	.... to ....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO

Chicago

It was stated throughout the market that last Sunday was the best Sunday for the florists that has been experienced all Summer, all stock moving off rapidly. Monday morning also opened up better than the week previous. Local trade was a little off the past week, owing to the festivities of the Knights Templars. In this event the florists were disappointed, as not nearly the amount of flowers was utilized as was anticipated. In nearly all instances the decorations for banquets and dinners were of a very simple nature and required but very few flowers, Gladiolus coming in for a large share of the flowers used.

There has been a decided increase in Asters, the quality becoming better each day. There are some remarkably fine Asters to be had at this writing.

Roses are also improving as regards quality. The stems, however, are as yet decidedly short.

All the Knight Templar florists from various towns and cities who spent last week in Chicago returned to their respective homes on Saturday. Nearly all found time to call on the trade while here, and gave many the opportunity of killing two birds with one stone.

John Degnan of Winterson's Seed Store is again at his post of duty, much benefited by his vacation. It was John's intention to join the boys for Rochester, but the preparation of the Fall catalog of this firm necessitated his remaining here.

Charles Washburn says that Carnation plants are extremely scarce, which is attributed to the excessive drought. Owing to these conditions the inside planting of Carnations has been delayed. The plants are not up to the standard of previous seasons.

Mrs. Bebbe of Downers Grove, Ill., who is counted an Aster specialist, having grown them the past five years, is at the present time shipping some remarkably fancy stock; the white, especially, are worth commenting on, being almost as large as a fair-sized Chrysanthemum. Mrs. Bebbe says that she grows them on irrigated ground and feels this is the reason of her success.

Mr. A. S. Halstead, president of the St. Clair Floral Co., Belleville, Ill., and Mrs. Halstead are spending a week in Chicago, visiting their daughter, Mrs. J. W. Cornell of Rogers Park. Mr. Halstead says he has a fine stock of his new Carnation 20th Century, and will exhibit same at the various flower shows this Fall.

J. B. Deamud Co. are getting especially fine Princeps, Frances King and various other varieties of Gladioli from Vaughan's trial grounds, Western Springs, Ill., they are grown under the general supervision of Carl Cropp, and are bringing top prices.

Dr. Watson of Detroit, Mich., son of W. H. Watson, grower at La Fere, Ill., is visiting Chicago, and finding time to call on nearly all in the trade.

W. H. Kirby of Quincy, Mich., grower of Asters and Sweet Peas, was in Chicago during the Conclave. Mr. Kirby is shipping in some extra fine Asters at the present time.

James Wilson arrived from Des Moines, Iowa, on Monday, to leave with the Chicago delegation. Mr. Wilson took the place of E. F. Winterson on the Chicago bowling team, the latter finding it impossible to get away at the last minute. Charles McKellar was the sub. for the Chicago team.

Vaughan's Seed Store are in receipt of a shipment of French bulbs, Freesias and Lilies and are now ready to deliver same. Their import list of all forcing bulbs and plants is also ready.

At Peter Reinberg's Roses are coming in more abundantly. With the scarcity of Beauties he finds that it is easier to dispose of the other varieties.

The force at Ernest Weinhoeber's was kept busy last week with funeral work. Duncan Robertson and W. W. Adam of this firm have gone on an eastern trip and will attend the convention, going from there to Boston.

At the Flower Growers' Market are seen quantities of Asclepia (Milk Weed) which are finding a ready sale. On Monday stock moved rapidly, all concerned being sold out at noon.

Herber Bros. at DesPlaines are just completing their water system. Henry Manheim of the city store is enjoying a well-earned vacation in Indiana.

A. Meyers of Dalton Grove, Ill., has some fine Asters of Rochester variety, which he is shipping to the market. Mr. Meyers says he has had very good luck with this strain of Asters.

Miss Lillian Bloom, who has been employed as stenographer by Bassett & Washburn the past four years, gave up her position last week, and will devote her time to getting ready for her wedding, which will take place Sept. 7, when she will be married to Wm. Fineger of Toledo, Ohio. As all concerned are in the trade, much interest is manifested.

The Kasting Cup, which was won by the Chicago Bowling Club at Cincinnati last year, and which was never delivered to them, its whereabouts being unknown, was finally located in the possession of the Philadelphia Florists' Bowling Club. It was promised that it would be at the Rochester Convention this week.

The convention special, with Chicago delegation, and florists who joined here to accompany them to Rochester, left Monday night at 5.30 from the LaSalle st. station via Lake Shore R. R. G. K. Thompson, general passenger agent for the road, accompanied the party. Among those who left were: Geo. Asmus, M. Barker, J. B. Deamud, M. Fink, H. B. Howard, Mr. and Mrs. P. Olsem, Mr. and Mrs. A. T. Pyfer, Mr. and Mrs. J. C. Vaughan, Mr. August Poehlmann and family, Adolph Poehlmann and family, Gustav Swenson, Mr. Keimel, Fred Lautenschlager, C. Washburn, Clifford Prunner, E. Weinhoeber, Miss Tonner, Chas. Washburn, John Huebner, N. Rupp, J. Richards, and P. J. Foley. Chas. Critchell, Cincinnati; Geo. Blackmar, Evansville, Ind.; J. T. Temple, Davenport, Ia.; O. J. Olsen, St. Paul, Minn.; J. A. Valentine, Denver, Colo.; F. H. Holten, August Mueller, C. C. Pollworth and Nic Zweifel, all of Milwaukee, Wis.; J. F. Ammann, St. Louis, Mo.; Fritz Bahr, Highland Park; I. N. Kramer, Cedar Rapids, Ia.; M. Mathewson, Sheboygan, Wis.; J. H. Wilson, Des Moines, Ia.

Unlike the previous year there was no band or steam calliope, no Ed. Winterson to give the parting salute. Just a modest goodby and good luck by the members that went to see them off.

A. W. Reiman and wife of Vincennes, Ind., called on Vaughan & Sperry Monday on their way home from a trip to Yellowstone Park and other points of interest. We are glad to note that Mr. Vaughan has recovered from his recent illness.

J. C. Bruchner arrived home Monday from a three weeks' fishing trip in Michigan and Wisconsin. He met with considerable success in the fish line the last week.

Some extremely fine Sweet Peas were displayed in Fridman's window last Saturday. The new store that will shortly be opened in the Congress is about ready for occupancy.

Visitors: C. E. Critchell, Cincinnati, O.; Geo. Frank, Champaign, Ill.; Geo. Blackman, Evansville, Ind.; Misses Helleuthall, Columbus, O.; A. C. Roth, Joliet, Ill.; Henry Hoffman, Jacksonville, Ill.; James Wilson, Des Moines, Iowa; C. S. Ford, representing A. Herman, New York City; C. S. Peterson, Escanaba, Mich.; Robt. Daut, Decatur, Ill.; J. M. Dunlop, Toronto, Canada; James Cole, Peoria, Ill.; Wm. Gude, Washington, D. C.; Mr. Stuppy, St. Joe, Mo.; H. V. Holton, Milwaukee, Wis.; W. P. Palmer, Cherokee, Iowa; A. Amerpohl, Janesville, Wis.

St. Louis

The delegation to represent St. Louis at Rochester this week during the S. A. F. Convention left at noon, August 15, over the Big Four R. R. The party included: State Vice-President O. G. Koenig, Fred H. Meinhardt, Mrs. F. H. Meinhardt, Miss Tillie Meinhardt, president of the Ladies S. A. F. Society; E. W. Guy and daughter, Alex Walbart and his son, E. J. Walbart, Wm. Ossick, F. H. Weber, J. F. Ammann, J. Winkler, Henry Berning and Mrs. H. Berning, and Mr. and Mrs. Fred W. Bruening. These delegates will be joined by others from here who left early last week.

Cupid worked overtime the past week and united in marriage Fred C. Weber, Jr., and Miss Minnette Beyer. Their marriage was a great surprise in local trade circles as no one knew of the impending event until it all happened and the young folks had departed for their honeymoon trip to Atlantic City.

The Shaw banquet, which was held on Thursday of last week at the Southern Hotel, was a most enjoyable affair in which all the Apple growers delegates took part, together with the invited florists, nurserymen and gardeners. The tables were neatly decorated with white and pink Asters. Professor Wm. Trelease was the toastmaster and the following, well known in the trade, were present: Geo. B. Windler and John Connon, president and president-elect respectively of the Florists' Club; J. J. Beneke, Frank A. Weber, W. C. Smith, Chas. E. Schoenle, E. W. Guy, J. F. Ammann, F. J. Fillmore, C. Bergesterman, J. M. Walther, H. C. Irish, Emil Schray, Max Herzog, Otto G. Koenig, F. H. Meinhardt, A. Meyer, Jr., H. G. Pring, and Charlie Fulgraf.

George Schmidt has been engaged as Rose grower for Woerner Bros. in Clayton. These boys are going to have some fancy cut stock in Roses and Carnations this season.

J. F. Ammann of Edwardsville, E. W. Guy, A. S. Halsted, Gus. Grossart and H. Emmons of Belleville, L. Armstrong of Kirkwood and John Connon of Webster were our suburban members who attended the Florists' Club meeting last week.

The W. C. Smith Wholesale Floral Co. is making extensive improvements; so is H. G. Berning, who has added as much more room with the next door store.

Chas. Kuehn and Geo. Angermueller are also at work over building their places.

ST. PATRICK.

Purchasers of stock from advts. In these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

LEADER IN OUR SPECIALTY—

The Araucaria

Leader in **FERNS**

150,000 in all sizes and varieties now ready

Leader in **AZALEA INDICA**



Leader in **BEGONIA** Gloire de Lorraine

PALMS, Etc

Leader in **PRICES**

Lead you into **WEALTH**

Godfrey Aschmann's Song

TUNE—JOHN BROWN'S BODY

In the early morning's sunlight upon the sea I go
To search the lands of Europe for the finest plants that grow.
I only buy the very best, those only you must know
Are good enough for me.

In the towns of little Belgium there are Araucarias fair,
And Azaleas with their promise of enchanting beauty rare,
I mean to beat the world with my shipment over there,
Just good enough for me.

I leave at home in my own house the loveliest Ferns on earth,
And mean to match them with tall Palms of quite transcendent worth.
My Cyclamen and Primroses I've tended from their birth—
All good enough for me.

When I come home I want you all to come and see my snow.
The sight of my Lorraines will set your heart and eyes aglow;
Their health and beauty, bloom and leaf—then only will you know
What's good enough for me.

The Araucaria

Don't you know? This is our specialty. We are the largest Importers, Growers and Shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleae, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. ☞ Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ No Traveling Agents

We therefore charge less for our goods by giving you the benefit. The mail is Our Drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.

Robusta Compacta and **Excelsa Glauca,** 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-5-6 year old, 4-6-7 in. pots, 25-30-35-40-45 in. high. 35c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

KENTIA Belmoreana, 4-5-6 year old, 4-5½-6-7 in. pots, 25-30-35-40 in. high, 25c.-50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

SAGO PALMS (Cycas Revoluta), long-leaved variety, 6-7-8 in. pots, from 5 to 20 leaves to a plant, 10c. per leaf.

COCOS Weddelliana, 3 in. pots, 15c., 20c., and 25c. each.

FERNS for Dishes, good assortment, 2-in. pots, $3.00 per 100.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4 in., 20c. to 25c.; **Scholzeli,** 5½ to 6-in. pots, 35c.-40c.-50c.; **Scottii** and **Whitmani,** 5½ to 6 in., 35c.-40c.-50c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale,** pale pink, 4-in., 25c.

Our well known strain, **SOLANUM MULTIFLORA (Jerusalem Cherries)** always full of large berries, 2½-in. pots, $5.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-5½ in., in bloom, 15c.

PRIMULA Chinensis, 4 in., John F. Rupp strain, 10c.; $10.00 per 100.

Cash with order, please.

All goods must travel at purchaser's risk.

WANTED TO BUY—Rubber Plants, either rooted cuttings or plants to grow on.

All plants 25 at 100 rate. Cash with order, please. All plants must travel at risk of purchaser only.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

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CARNATION PLANTS

Field Grown.

Fair Maid, Winsor, Sensation, Queen Louise, first-class plants, ready any time, $5.00 per 100, $40.00 per 1000.

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CHICAGO CARNATION CO.

JOLIET, ILL.

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SEE IT AT ROCHESTER

"CHRISTMAS CHEER"

A POT AND CUTFLOWER CARNATION. ABSOLUTELY UNIQUE.

COLOR: Brilliant, Glowing, Poinsettia Scarlet.

EASY TO GROW! EASY TO SELL!

Will produce 100 and more flowers in one season; can be had at Christmas in a 6 inch pot, with 25 to 50 blooms and buds, retailing easily at $1.50 each.

I will cheerfully refund your money if not satisfied.

Delivery, January 1st, 1911, and after.

$15.00 per 100, $125.00 per 1000.

Place your order now and get your stock early.

H. EICHHOLZ, Florist, WAYNESBORO, PA.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

	Per 100		Per 100
Enchantress	$6.00	Harry Fenn	$5.00
M. A. Patten	5.00	Winsor	5.00
		Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Field-Grown Carnations

FALL, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Mrs. C. W. Ward	12.00	
May Day	7.00	60.00	Bon Ami	12.00	
Winona	7.00	60.00	Snow Flake	$6.00	$50.00
Afterglow	7.00	60.00	White Perfection	7.00	60.00
Winsor	7.00	60.00	O. P. Bassett	6.00	50.00
Apple Blossom	6.00	50.00	Wanoka	6.00	50.00
			Ruby	6.00	50.00

We are now booking orders. Strong, healthy plants for immediate shipment, or will reserve until you are ready.

S. J. REUTER & SON, Inc., Westerly, R. I.

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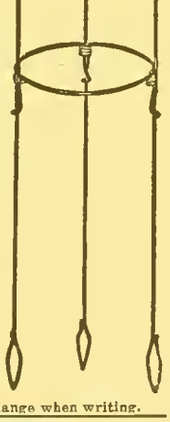
MODEL

Extension Carnation Support



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Also Galvanized, Steel Rose Stakes and Tying Wire

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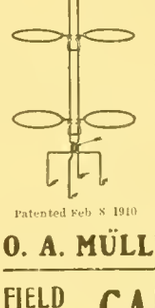
MÜLLER'S DOUBLE IMPROVED CARNATION SUPPORT



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Field-Grown Carnation Plants

STRONG AND HEALTHY

Enchantress and Lawson $5.00 per 100. Cash with order.

W. Pinchbeck, Ridgefield, Conn.

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FIELD GROWN CARNATIONS

		Per 100
1000	Enchantress	$4.00
500	Rose Pink Enchantress	4.00
500	Harry Fenn	4.00
500	Mrs. Patten	4.00
1000	Beacon	4.00
500	Winona	4.00
2000	Afterglow	4.00

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.

QUIDNICK, R. I.

The American Carnation

Price $3.50

A. T. De La Mare Ptg. & Pub. Co., New York

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WILLIAM SWAYNE, Kennet Sq., Pa.

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Excellent Goods For All Greenhouses



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100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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Look ahead and see where you can get the **best Pot for your money** you are going to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
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50 lbs. $1.00 | 100 lbs. $ 3.00 | 1000 lbs. $27.00
25 lbs. 1.75 | 500 lbs. 14.00 | 2000 lbs. 52.50

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All the Clay

FOR OUR

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

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Sheep's Head Brand Pulverized Sheep Manure



The Ideal Plant Food For Florists

Write today for Prices and Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.

Please mention the Exchange when writing.

For "POT LUCK" Try Us

Hews Standard Pots



POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

WORLD'S LARGEST MANUFACTURERS

A. H. HEWS & CO. Inc.

LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

Please mention the Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24
1500 2¼ " "	5.25	320 5 " "	4 51
1500 2½ " "	6 00	210 5½ " "	3.78
1000 3 " "	5 00	144 6 " "	3 16
800 3½ " "	5 80	120 7 " "	4.20
500 4 " "	4.50	60 8 " "	3.00

HAND MADE	Price per crate
48 9 in. pots in crate	$3.60
48 10 " "	4 80
24 11 " "	3.60
24 12 " "	4.80
12 14 " "	4.80
6 16 " "	4 50

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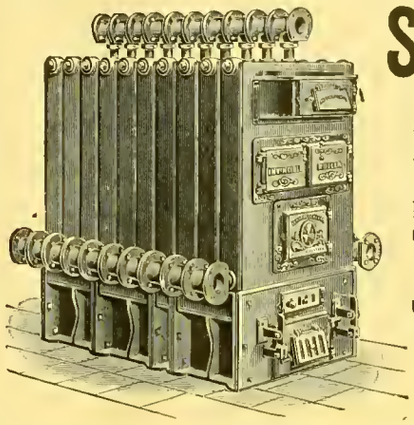
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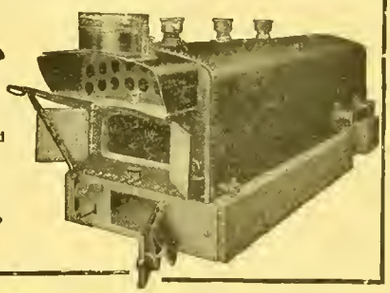
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San Francisco

The Market

There has been quite a perceptible improvement in market conditions this past week. Flowers appear to have better quality and they seem to move faster than they have done for many weeks. The weather has turned remarkably cool for this time of the year and an overcoat is quite a necessity in the morning and evening.

In the retail stores business is fairly brisk and the demand for flowers of any quality was never better at this time of the year. Carnations are holding out pretty good, although most of our principal growers are busy at present benching their young stock. Roses are extremely good, considering the season, and growers are having no difficulty in disposing of their blooms. Sweet Peas are down and out for another season and Gladioli and Dahlias have taken their place; these flowers are to be seen in quantity and sell readily. Amaryllis are present in quantity, especially the beautiful pink Belladonna Lily, which is a great favorite with the flower-buying public. Orchids are very scarce and florists have got to hustle when they want a few blooms for some special purpose. Green goods continues about the same, with Maidenhair, Asparagus and Smilax fetching normal prices.

Notes of Interest

J. L. Coke has taken over the business for many years carried on under the name of J. B. Sievers Co., Powell and O'Farrel sts. Patrick Ord will be manager for Mr. Coke.

Mr. J. Martin of Martin & Forbes, Portland, Oregon, was a recent visitor in town. Mr. Martin is well known down the Peninsular district, where he was located for many years previous to his going into business at Portland.

H. Plath of Ocean View is busy at present erecting a fine new barn and storage shed at his nurseries on Wyoming ave.

Some very fine examples of bedding are to be seen in the cemeteries. Fairlawn Cemetery is famous for its free and airy style of bedding. Holy Cross Cemetery, on the other hand, has a reputation for the old-fashioned style of carpet bedding; while Cypress Lawn Cemetery has the massing and blending of different colors done very cleverly. All of the cemeteries are well worth a visit at this time of the year; one is always sure of seeing something new in the bedding line.

The Pacific Floral Co. of Berkeley is erecting a plant house at the rear of its store on University ave.

A. J. Clark of Portland, Oregon, and his wife were visitors in town last week. Mr. Clark, who is combining business with pleasure, intends to travel through most of southern California before returning to Portland.



AN ECONOMY THOUGHT

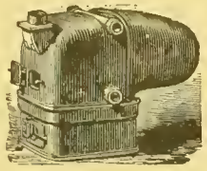
MANY a heating plant's piping has been condemned because of its boiler—its wrong boiler. Many a boiler has been condemned because of its wrong piping.

Such a condition isn't fair to either. What's the remedy? The very natural, the very sensible thing to do, is call in a greenhouse heating expert and give boiler and piping both a fair chance by a searching examination—looking for trouble by a skilled "trouble man." Then, on his recommendation, change either boiler or piping as the results of his careful investigation prove beyond a doubt to be necessary.

Give your heating plant such an investigation and ten chances to one as a result you will be surprised at the way your boiler does the work, or how perfect and rapid is the circulation in your pipes.

And now this gets us to our main thought—we have at our factory several men who are "looking for troubles"—all sorts of heating troubles. One of them is ready this very minute to come and look over your plant and be of most valuable assistance to you. He thoroughly understands the different kinds of heating systems—he believes in the undoubted economy of cast iron boilers up to a certain point, and then at once recognizes that regular power boilers are the thing. If you have any heating troubles, or are thinking of buying a new boiler, or anything at all about heating—then let our trouble man know about it. You'll like him, like his way of going about things. He will save you money and bother just as sure as daylight follows darkness.

Write him today—address your letter to "The Trouble Man."



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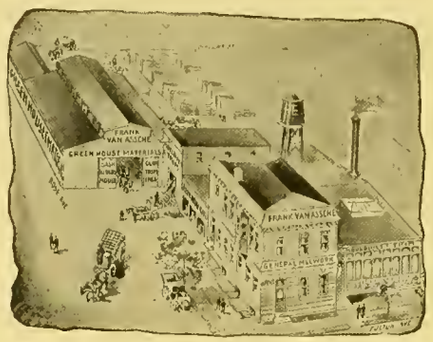

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In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
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Neil Neilson of Black Point, a well known gardener in that vicinity, was one of the victims of the recent collision between two passenger trains near San Rafael, when fifteen people were killed. Mr. Neilson leaves a widow and two children to mourn his loss.

Three hundred and twenty acres of big trees—a tract containing many of the largest of the real Sequoia gigantea—were presented to the University of California at the meeting of the University Regents held this week. The tract is located about four miles from Millwood, Tulare County. In the letter accompanying the deed of gift, the donor, Horace Whitaker of Arosi, Tulare County, said that the place was so beautiful and possessed so many natural attractions that it was his desire that the people of California be given the opportunity to own forever and conserve a piece of forest that will never be duplicated in any other part of the world.

A handsome new entrance, consisting of several ornamental arches, is now being constructed at the Burnham place at Sunol.

Otto Holm, foreman in Golden Gate Park conservatory, was held up and shot while riding a bicycle on Twenty-fourth ave. early this week. The young foreman who is only thirty years old, but with a wide reputation for his botanical knowledge has been in the employ of the Park Commissioners ever since he was a boy. Mr. Holm was unconscious when picked up by a park workman and was immediately rushed in the ambulance to the Park emergency hospital, where he lies in a critical condition from the effects of a gunshot wound through the neck.

Pacific Coast Horticultural Society

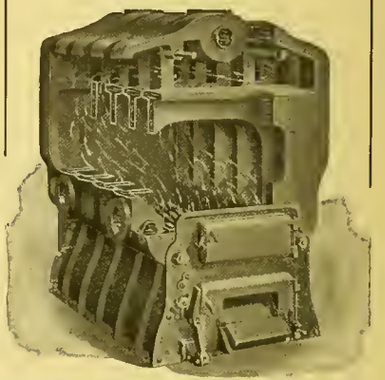
The usual monthly meeting of this Society was held in Polera Hall last Saturday, V. Mataria in the chair. An interesting discussion was started to find out whether the Society should take an active part in the Native Sons celebration to be held next month. After the matter had been debated at great length, on the motion of H. Plath, seconded by Mr. MacRorie, the matter was laid over until the next meeting. It was announced by the chairman that Mr. H. Kettlewell of San Mateo had won the silver cup presented by Mr. MacRorie for the member making the largest number of points on exhibits shown at the Society's meetings during the past year.

WM. MCM. BROWN.

Los Angeles, Cal.

Frank Walter of San Diego, wild plant and seed collector, was in town this week with 800 lbs. of Erythea armata seeds, which he recently gathered in Lower California, its native habitat. He says that it grows on the eastern slope of the mountains, between the elevations of 1000 and 3000 feet, and the great field presents a stretch of hill and dale completely covered with steel gray colored vegetation. The heat during the Summer months is intense—125 to 130 degrees, and in the rainy season, there he says life is a misery. Some of the trees attain a height of 30 to 40 ft., with trunk 6 to 8 in. in diameter. To see this beautiful subject as it grows here, in the cool Summers and cooler Winters, one would be led to think that it never would attain to the dignity of a tree; all the specimens which have come under my observation, have bodies 12 to 18 in. in diameter, and persistent foliage without any appearance of ever fading or turning brown. The seeds, of which I send you several, are encased in a shell, which when the skin is re-

The Ideal Greenhouse Boiler



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SECOND-HAND PIPE
with couplings, guaranteed to be better than you can get elsewhere:
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Everything for Erection

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OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

GREENHOUSE GLASS 20,000 Bxs. in Stock **At Wholesale**

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Twin-Section Boilers

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moved is delicious to the taste and eagerly sought after by the Indians of those regions. The size of the seed is but a fourth of that of Erythea edulis, which is covered with a dry, mealy covering, that grows so closely to it that a knife is necessary to remove it and, as once before stated in these notes, is very nutritious.

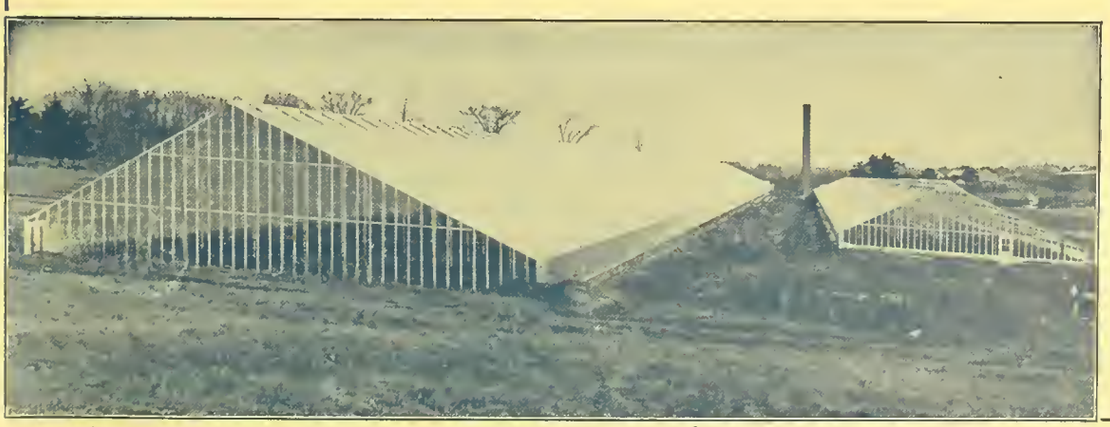
The Rice Association of America, under the direction of the secretary, W. A. Ward, is in town, and has a display of sheaf rice—the grain as it comes from the threshing machine, and of the milled article—the rice of commerce; all in one of the large windows of the Germain Seed Store. The wisdom and foresight of the founder of that company, Eugene Germain, become more apparent every day. Certainly he had clearer visions of what southern California is destined to be, from an agricultural point of view, than any other man of his day, and the time is coming when the entire building from cellar to garret will be required to hold their stock in trade, with which to meet the demands of orchardists and gardeners of this great Southwest.

This, however, is a digression since it is of the rice on exhibition, that I wish to speak. There are two varieties, the Japan and the Honduras, or, as it is popularly known, Carolina, both of them grown along the Gulf Coast of Texas. Mr. Ward is here on a campaign of educating the public in the knowledge of this cereal as a healthful and nourishing article of food. It is wonderful how much instruction is necessary to get the people of this nation to break away from their flesh foods—their meat diet, and into cheaper and more healthful ways of living. Until I came to California I was of the opinion that meat was one of the essential foods to vigorous manhood and a requisite to sustain one in hard toil, and fatiguing physical exercise. My mind was disabused of this error when I saw scores of Chinamen subsist on rice alone—no sugar, no cream, no meat juices; the grain only cooked soft, eaten three times a day, and they do day after day the hardest kind of work. Now I hear, in imagination at least, those of the readers of these notes, who are accustomed to the average American diet say, "Well, that may do for the 'heathen Chinee,' but it won't do for me." Listen, my brother. There are three things which we Americans could copy from those same despised people with great profit to ourselves. This is one of them. I may refer to the other two at another time. There seems to be an impression on the minds of most people that the Carolina rice is better than the Japan variety. As a matter of fact, there is no difference between the two as an article of food—one reason why it is more expensive is that it is not so productive as the Japan; then, too, the grains are larger and whiter; therefore, it is the appearance we are pleased to pay for. Then, again, the broken rice, is just as healthful and nutritious as the whole grain, yet sells for a cent a pound less; and again we pay for appearance.

P. D. BARNHART.

PENNSYLVANIA STATE COLLEGE.—Prof. R. S. Mackintosh, formerly professor of horticulture in Alabama, has accepted a position in the horticultural department here. His special work will be an investigation of the Peach industry of that State. The horticultural work in Penna. is developing rapidly. At the present time there are ten professors and assistants in the department.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



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"Ask the Man Who Has One"

A WORD FROM ENGLAND

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Gentlemen:—

With reference to your Trussed Iron Frame House, I am pleased to let you know that it is just finished. I am well satisfied with the general appearance of the structure and find it really imposing and every detail of the construction is well thought out. The trussed steel material makes the House wonderfully light and yet very rigid at the same time, especially when one considers a width of 42 feet without posts. The ventilating machinery is strong, neat and works easily. I am sure this style of house will be the style of the structure for commercial horticulturists in this country as well as in America.

Wishing you every success, I remain,

Yours sincerely,

(Signed) E. VICTORS.

Send for Bulletin No. 35, which describes the King Iron Frame Construction

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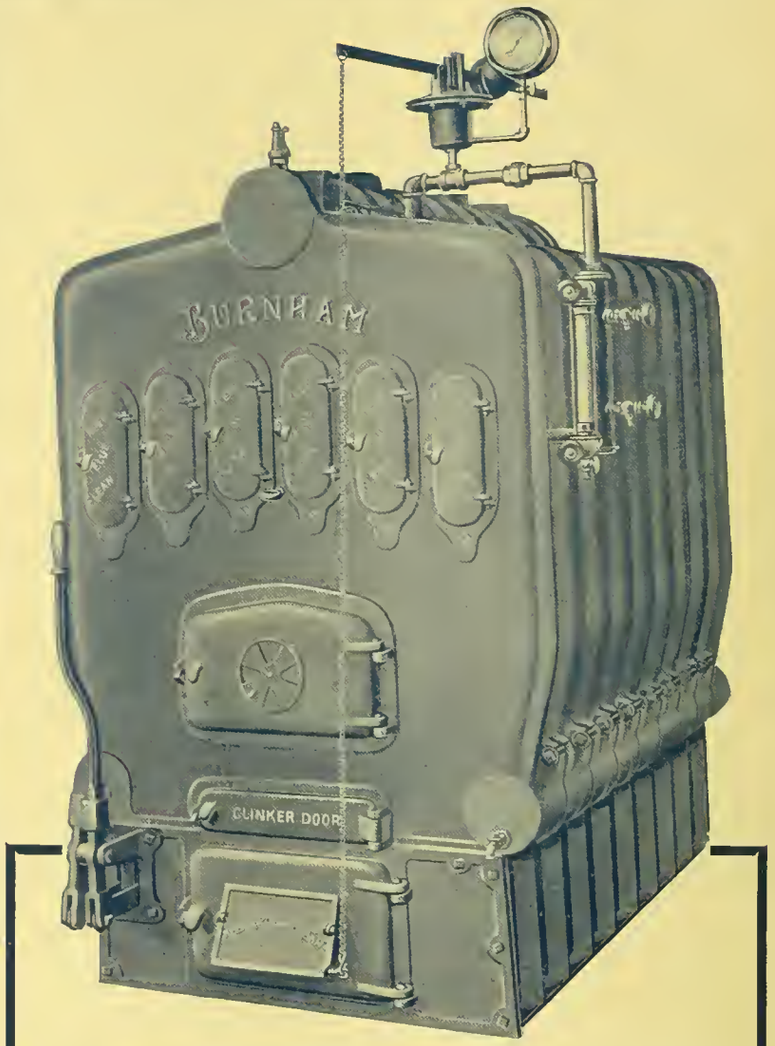

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VOL. XXX. NO. 9 | NEW YORK AND CHICAGO, AUGUST 27, 1910 | One Dollar Per Year

LILIUM HARRISII — Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. — Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants	$0.35 each	$4.00 per doz.
6-inch pans, strong bushy plants	.50 each	6.00 per doz.
7-inch pans, strong bushy plants	.75 each	9.00 per doz.
8-inch pans, strong bushy plants	1.00 each	12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:

3-inch pots	$20.00 per 100,	$160.00 per 1000.
4-inch pots	30.00 per 100,	250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

WE are Headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagation.

We are now shipping fine stocky plants from 3-inch pots in a good assortment of Standard kinds at $3.00 per 100, $25.00 per 1000.

Cannas and Dahlias. Send for List.

Alyssum and Swainsona,

White, 3-inch, at $3.00 per 100.

R. Vincent, Jr. & Sons Co.

White Marsh, Md.

Please mention the Exchange when writing.

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King "Spawn"

Fresh Milltract—with lots of Mycellum in the bricks—sure cropper—100 LBS. $7.00.

BULBS

	Per 100	Per 1000
WHITE ROMANS, 11-12 ctms.	$2.25	$20.00
WHITE ROMANS, 12-15 ctms.	2.75	24.00
WHITE ROMANS, 13-15 ctms.	3.00	28.50
NARCISSUS—Paper White Grandiflora	1.15	9.00
NASCISSUS—Early Double Roman	1.25	9.00
LILIUM CANDIDUM—Extra Bulbs	5.00	45.00
LILIUM FORMOSUM, 7 to 9	8.00	70.00
LILIUM FORMOSUM, 9 to 10	10.50	95.00
LILIUM HARRISII, 5 to 7	5.00	45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Narcissus–Paper White Grandiflora



Vaughan's Star Brand
Per 1000.....$10.50

Fancy
Per 1000.....$8.50

Lilium Formosum

	Per 1000
7-9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00

Lilium Harrisii

5-7 in.	$40.00 per 1000
6-7 in.	60.00 per 1000
7-9 in.	85.00 per 1000

Freesias French Grown Mammoth, $8.00 per 1000.

Romans, Callas, Candidum, Chinese Lilies

Just arrived, first shipment of Dutch Bulbs.

FREE VAUGHAN'S BOOK FOR FLORISTS NOW READY **FREE**

Vaughan's Seed Store
New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

POT GROWN **Strawberry Plants**

50,000 well established plants. Prices on application.

Bederwood	Cardinal	Gandy	McKinley	Sharpless
Brandywine	Chesapeake	Glen Mary	Nick Ohmer	Virginia
Bubach	Climax	Marshall	Oom Paul	Wm. Belt
	Excelsior		Success	

THE ELIZABETH NURSERY COMPANY Elizabeth, N. J.

Please mention the Exchange when writing.

STUMPP & WALTER CO.'S

Winter Flowering

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. New crop seed has just arrived, and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. C. H. TOTTY, Lavender	.15	.50	1.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50

READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

Roman Hyacinths

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00
White, 15 ctms. and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

	Doz.	100	1000
5 x 7, 400 to case	$0.75	$5.00	$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	1.25	8.50	75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

MAMMOTH BULBS	$1.00	$6.00	$40.00
THICK PETALED VARIETY	1.00	6.50	60.00

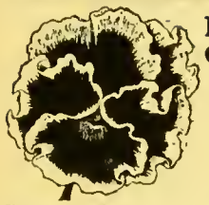
Freesia Bulbs

	100	1000	5000
REFRACTA ALBA MAMMOTH	$1.50	$10.00	$45.00
REFRACTA ALBA, Selected First Size	.85	7.00	34.00
JUMBO BULBS	2.00	15.00	70.00

Stumpp & Walter Co.

50 Barclay St., NEW YORK

Please mention the Exchange when writing.



FAMOUS GIANT **PANSIES**

From Leading Specialists

THE BEST STRAINS FOR FLORISTS

	Trade pkt. (2000 Seeds)	Per Oz.
Bugnot's Superb Blotched—A French strain of superlative merit	$0.40	$4.00
Masterpiece—A magnificent strain with curled petals and rich colors	.40	3.50
Giant Mme. Perret—A magnificent giant strain, very large (Wine Pansy)	.40	2.50
Cassier's Giant Five Blotched	.40	3.50
Imperial German Mixed—Beautifully blotched show Pansies.	$0.40	$3.00
Giant Trimardeau Choice Mixed	.25	1.00
Triumph of the Giants (Mette)—A superb strain of perfect form, exquisite markings and rich colors. Trade pkt., 50c.; per 1-16 oz., 75c.; per ¼ oz., $1.50.		
Non Plus Ultra—A famous prize strain of blotched and beautifully marked Pansies from a noted German specialist. Trade pkt., 25c.; per ¼ oz., $1.25; per oz., $4.00.		

JOHNSON'S PRIZE WINNER STRAIN—The product of the leading Pansy specialists of France, England and Germany and absolutely unexcelled by any strain offered to the trade. Per 1000 seeds, 30c.; 2000 seeds, 50c.; 5000 seeds, $1.00; ¼-oz., $1.25; per oz., $5.00.

Send for our Complete Wholesale List of Giant Pansies and Fall Bulbs

JOHNSON SEED CO., 217 MARKET ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

JAPAN BAMBOO STAKES

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65c. per 100, $5.00 per 1000, $9.00 per 2000.

Dyed Green, 2 feet, 35c. per 100, $2.50 per 1000.

Dyed Green, 3 feet, 50c. per 100, $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

Special Offer

(To clear out)

COLD STORAGE LIL. GIGANTEUM, 300 in case, 7x9 size. In finest condition, per case of 300, $21.00.

We also offer:

LIL. CANDIDUM, extra large, 12 thick petaled stock	$0.60	$4.50
LIL. CANDIDUM, mammoth bulbs, thick petaled stock	.85	5.00
LIL. CANDIDUM, Jumbo bulbs, Monstrous petaled stock	1.00	6.00
LIL. HARRISII, 7x9	1.25	8.50
LIL. HARRISII, 9x11	2.75	20.00

Send for our Trade Fall List.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

LILY BULBS

Ready for Immediate Delivery.

	Per 1000
LILIUM FORMOSUM	
7/9	$65.00
8/10	87.50
9/10	90.00
LILIUM HARRISII	
7/9	90.00
LILIUM JAMESII	
6/7	72.00
7/9	95.00

NARCISSUS—Paper White, Grandifloras, 14/up, 1000 to a case, $11.00. This stock is of the finest grade obtainable. No better stock is being offered.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

LILIUM HARRISII

HIGH GRADE STOCK, 5 to 7, 6 to 7, 7 to 9, 9 to 11, AT POPULAR PRICES.

ROMAN HYACINTHS—PAPER WHITE NARCISSUS—DUTCH BULBS

CYCLAMEN GIGANTEUM SEED
Very Best Strain. New Crop Now Ready.

Inquiries Solicited.

J. M. Thorburn & Co., Seedsman 33 Barclay St., N.Y.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Murlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Chrysanthemums and Aster Seeds

Elmer D. Smith & Co.
ADRIAN, MICH.

Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price $3.50
A.T. DE LA MARE PTG & PUB CO. LTD

Primroses

Improved Chinese Finest grown. All colors mixed, single and double, strong, ready for 4-inch pots, $4.00 per 100.

Cyclamen Giganteum Very extra fine, 4 in., ready for 5 or 6-in. pots, $10.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

Primula Kewensis the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec, Leonard Vaughan, Chicago, Ill.

IMPORTS.—August 15.—Vaughan's Seed Store, 750 cases bulbs; Knauth, Nachod & Kuehne, 70 cases bulbs; T. Meadows & Co., 20 cases bulbs; R. M. Ward & Co., 340 cases bulbs; Schultz & Ruckgaber, 253 cases bulbs; Maltus & Ware, 1122 cases bulbs; Hageman & Co., 312 cases bulbs; Amermann & Patterson, 56 cases bulbs; P. C. Kuyper & Co., 300 cases bulbs; J. Bader, 25 cases bulbs; J. M. Thorburn & Co., 142 cases bulbs; Currie Bros., 173 cases bulbs; F. R. Pierson Co., 21 cases bulbs; Stumpp & Walter, 386 cases bulbs; H. Waterer, 93 cases bulbs; Weeber & Don, 48 cases bulbs; H. A. Dreer, 18 cases bulbs; H. F. Michell Co., 156 cases bulbs; W. W. Rawson & Co., 64 cases bulbs; G. H. Cabb, 45 cases bulbs; C. F. Meyer, 290 cases bulbs; J. A. Simmons, 113 cases bulbs; Henry & Lee, 199 cases bulbs; P. Henderson & Co., 135 cases bulbs; W. Elliott & Son; 171 cases bulbs; F. B. Vandegrift & Co., 70 cases bulbs; H. E. Fiske Seed Co., 183 cases bulbs; Schlegel & Fottler Co., 159 cases bulbs. August 16.—O. G. Hempstead & Son, 11 cases bulbs; Maltus & Ware, 78 cases bulbs; J. M. Thorburn & Co., 42 cases bulbs. S. H. Cobb, 200 bbls. seed; R. J. Godwin & Son, 4 cases Onion seed; G. W. Sheldon & Co., 150 bbls. Clover seed; F. B. Vandegrift & Co., 150 bbls. Clover seed. August 20 and 21.—F. B. Vandegrift & Co., 4 cases bulbs; T. W. Wood & Sons, 400 bbls. seed; J. Nix & Co., 71 cases seeds; H. Nungesser & Co., 500 bbls. Clover seed; H. F. Darrow, 77 pkgs. bulbs and plants; Lunham & Moore, 51 baskets bulbs.

European Seed Notes

A brief respite from the long continued and most irritating weather conditions has enabled us to get more of our Turnip and Rutabaga into a place of safety than at one time seemed probable. It is all the more acceptable to us because of the extraordinary demand which exists for this article at the present time. Reports from your side are to the effect that a severe drought has caused a great shortage in green crops and, consequently, quick growing Turnips are needed to produce the required supply.

It is a great pity that you did not share the drought and sun with the farmers



"NOT HOW CHEAP— BUT HOW GOOD"

Horseshoe Brand Formosa Lilies

In all sizes ready for shipment

Write for prices

RALPH M. WARD & CO.
12 West Broadway
NEW YORK

Please mention the Exchange when writing.

Phoenix Roebelenii

2-YEAR-OLD SEEDLINGS

Ready to go in thumb pots

Ask for prices by 1000 or 100 lots

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen

5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.



Please mention the Exchange when writing.

HEADQUARTERS FOR

GLADIOLI

AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Con.

Please mention the Exchange when writing.

THE AMERICAN CARNATION By C. W. Ward

Price $3.50 Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** for Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

and seed growers of Europe; we could have helped you much more effectively in return, and incidentally, of course, have helped ourselves.

Some of our Carrot seed growers affect to be anxious about the effect of these few dry days upon their crops, which are just maturing, but the good done will more than compensate for any slight loss.

Peas are never out of our thoughts; some of the European houses have given orders for large quantities on your side, and the reports which are now being received are worse than anything we have experienced at home. New Zealand crops gave us a severe set back, but this latest development is a terrible crusher.

Recent visitors from your side are Frank Bruce and two sons from Hamilton, Ont., and Lem. W. Bowen, president of the D. M. Ferry Co., Detroit.

EUROPEAN SEEDS.

American Notes

Business Still Improving

The S. A. F & O. H. Rochester Convention is over and, as expected, business in all lines with the seedsmen has started well for the coming Fall season. The bulb catalogs with most houses are either finished or practically so, and will be ready for mailing possibly in another week. Speaking of the bulb catalogs this year, those that the writer has seen, which are many, are most attractively arranged and finely printed, and certainly show advancement in many ways over those of past seasons. A word regarding other things salable with the seedsmen during the late Summer and early Fall is only needed to emphasize the good trade in every direction that is being done. As has been pointed out in this column for many weeks past, we are destined to have one of the best French and Dutch Autumn bulb selling seasons this country has ever experienced.

Mushroom Spawn

At this season of the year when so many of us are advertising and pushing Mushroom Spawn, a few vital facts regarding the different varieties may not be amiss. The best authorities agree that there is a radical difference in results between English, French and American Mushroom Spawn; and in selling Mushroom Spawn to our customers we should be very careful which one of these three varieties we give them, as otherwise they may face failure with their planting and will, of course, blame the seedsman immediately. French Mushroom Spawn should never be recommended unless the bed where the planting is to be made is in the most perfect condition, as otherwise this Spawn will rot and come to nothing, it being the most delicate of the three varieties—in fact, it needs an expert to handle it. The American and English Spawn on the contrary will stand more abuse, so to speak, and will even remain quite a long time in a normal state without losing vitality. This the French Spawn will not do; it must always be absolutely fresh for any kind of satisfactory results. It is well to keep these points in mind when buying and selling Mushroom Spawn. The delicate variety is the French; the hardy sorts that can be somewhat abused are the English and American.

Cultural Direction Slips

There never has been a time when customers for things horticultural required and expected more information regarding seeds, bulbs, nursery stock and plants than at present. No matter how well versed salesmen may be, it takes much valuable time to fully and adequately explain the methods of planting, etc., to customers. To save time, quicken sales and, above all, help materially in pleasing customers, cultural direction slips will be found very valuable. In this connection, it is worthy of note that the publishers of The Florists' Exchange have issued an assortment of these cultural direction slips, covering many of the popular subjects along this line, which will materially assist in promptly waiting upon customers and in imparting to them



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GIANT **PANSY** SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Brown, Brooze and Light Blue Shades.** Trade pkt. 25c., any five $1.00.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth, N. J.

Please mention the Exchange when writing.

the information which they require and expect.

Window Displays

Window displays—splendid advertising—can be made at, comparatively, so little cost that our seedsmen cannot give too much attention to them. The writer's travels have recently taken him quite extensively among the seed trade and it has been most pleasing to note that, in a majority of cases, much care and attention has been devoted to the window displays. There is always something in season in flowers or vegetables that can be used with fine effect, and it is a well-known fact that displays of horticultural products draw from every class of the general public instant and genuine consideration. At this season, in the line of cut flowers, Gladioli and Dahlias are excellent for window display, and decoration with those varieties that are listed in one's catalog, properly and neatly labeled and displayed, can be made with most excellent effect. Much good advertising can thus be obtained at very slight cost. It is, of course, impossible to more than briefly outline this special line of work in small space, but the window display question should be considered a most vital one with the management of every well-conducted seed store. V.

New York Seed Trade

H. Frank Darrow, importer, 26 Barclay st., has returned to New York, August 22, after spending a few weeks in Europe visiting his foreign connections.

Without exception, every member of the trade expressed the greatest enthusiasm over the splendid success worked out at the Rochester convention. This meeting has done untold good to every line of horticultural business. In another week, practically all the bulb catalogs will be issued and everyone will be on the jump once more. Business is certainly good and is gathering momentum with each succeeding day.

Boddington's seed store is a hive of industry. French bulbs are arriving by every steamer and the Dutch stock is expected very shortly. Harry Bunyard and F. W. Creighton are back from the Rochester convention delighted with the outlook for Fall business.

Frank M. Duggan, with Rickards Bros., has just returned from a two weeks' outing in Maine. Mr. Duggan spent a large portion of his vacation roaming through the White Mountains and enjoyed the trip immensely.

Geo. H. Dicks, with Cooper, Taber & Co., London, Eng., was among the recent arrivals and will make his customary trip through the United States and Canada. Mr. Dicks' address while in this country is, as usual, care of Messrs. R. J. Godwin's Sons, 15 Whitehall st., New York City.

Our old friend, James J. Comont, with Messrs. James Carter, Dunnett & Beale, London, England, has also arrived in this country. This is Mr. Comont's twenty-eighth annual visit to our shores and he is very welcome.

J. S. Hendrickson, with John Lewis Childs, Floral Park, (L. I.), N. Y., was a visitor this week and expressed his satisfaction with the interest taken this season by the general public in Gladioli.

Wm. Elliott & Sons are distributing their retail Fall bulb catalog. It is a very attractive booklet of 32 pages and cover, printed by the A. T. De La Mare Ptg. & Pub. Co., fully illustrated, with good text and a most attractive cover. Messrs. Elliott are out with it in good time and the catalog will surely bring them excellent returns.

As we go to press, comes a cable from Japan stating that the giganteum Lilies have been most seriously injured by the recent extreme floods in that country. In regard to this matter, good authority puts it that these reports are exaggerated for the sake of their effect on market values. Be it as it may, we give both reports for what they are worth.

Carroll S. Elliott is taking a few days well-earned vacation at Atlantic City, N. J.

J. F. Slimon, for many years general manager of J. M. Thorburn & Co., has severed his connection with that house to commence his duties as manager of Vaughan's Seed Store at 25 Barclay st. Mr. Slimon is one of our best seedsmen and most efficient in executive ability. The well wishes of everyone in the trade go with our friend to his new position. Mr. Slimon has been in the employ of Messrs. Thorburn for 21 years, commencing with them at 15 John st., going with them to 36 Cortlandt st. and ending with them at 33 Barclay st. In this connection, it may be said that Vaughan's Seed Store here in New York is developing what is destined to be, in the very near future, one of the largest seed businesses in the East. C. W. Scott, who has just assumed the general management of the Yokohama Nursery Co. at 31 Barclay st., deserves mention here, as it was he who worked so hard to give the Vaughan business its sound start at the present quarters, 25 Barclay st.

Peter Henderson & Co. sent invitations to their customers and friends to attend their special exhibition of Gladiolus blooms which, as announced in this column last week, they arranged to take place from August 22 to 27 inclusive. In their invitation, Messrs. Henderson describe their exhibition which they have arranged of this popular flower, as follows: "We expect to show the flowers

Vaughan's Giant Pansies

10 per cent. special CASH DISCOUNT. On orders over $2 for Flower Seeds if cash is enclosed 10 per cent. The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c.; ⅛ oz., 50c.; oz., $4.00; ¼ lb., $14.00.

Vaughan's International Pansies

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent. of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which have established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c.; ⅛ oz., $1 50; ½ oz., $5.00; oz., $10.00.

Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50 cts.; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.

Vaughan's "Elite Pansies"

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt. 50c., ⅛ oz., $1.00.

Vaughan's Premium Pansy Mixture

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c., ⅛ oz., 75c.; ½ oz., $2.50; oz., $5.00.

Improved German Mixture

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c.; ⅛ oz., 20c.; ¼ oz., 30c.; oz., $1.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

VAUGHAN'S SEED STORE

84 and 86 Randolph St., CHICAGO GREENHOUSES WESTERN SPRINGS, ILL. **25 Barclay St., NEW YORK**

Please mention the Exchange when writing.

Stokes Seeds Philadelphia

Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ⅛ oz., 75c.; ½ oz., $2.75; 1 oz., $5.00.

Christmas Flowering Sweet Peas

	Oz.	¼ lb.	Lb.
CHRISTMAS PINK, pink and white	$0.10	$0.35	$1.00
CHRISTMAS WHITE (Florence Denzer) pure white	.10	.35	1.00
Mrs. E. WILD, carmine or dark pink	.15	.40	1.50
CHRISTMAS METEOR, scarlet	.25	.75	2.50
Mrs. WM. SIM, salmon pink	.15	.40	1.50
Mrs. CHAS. H. TOTTY, beautiful sky-blue	.25	.75	2.50
Mrs. ALEX. WALLACE, fine lavender	.15	.40	1.50

PAPER WHITE NARCISSUS

Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 ctms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.

Send for Florist's Wholesale Price List

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSY SEED

New Crop, Now Ready.

My Giant Market, my Own Growing, saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. Trade pkt. of ¼ ounce, $1.00; ounce $3.00. Plants ready in September.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

PANSIES

BROWN'S IMPROVED GIANT PRIZE PANSY SEED, finest strain in the market, my own grown 1910 crop. **Mixed,** 3000 seeds, **$1.00;** ¼ ounce, **$1.50;** ½ ounce, **$2.50;** 1 ounce, **$5.00;** ¼ pound, **$14.00;** ½ pound, **$25.00;** 1 pound, **$50.00. Giant Yellow with Dark Eye,** same price.

Cash with order.

PETER BROWN

124 Ruby Street, Lancaster, Pa.

Please mention the Exchange when writing.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

NEW CROP MUSHROOM SPAWN

JUST ARRIVED FROM ENGLAND

$8.00 per 100 lbs.

WEEBER & DON

SEED MERCHANTS and GROWERS

114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00

1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

ANNOUNCEMENT

Having severed my connection with Burnett Brothers, Seedsmen, and started in business for myself, I will be pleased to see or hear from my friends at the new address.

JACK HUNTER.

KENNEDY & HUNTER

Seedsmen and Florists

156 WEST 34TH ST., NEW YORK

Between the New Pennsylvania Station & Herald Square

Please mention the Exchange when writing.

of about 200 varieties including the standard sorts as well as some rare and beautiful novelties in the Gandavensis, Childsii, Lemoinei and Groff sections, and also the unique new blue colored Gladiolus. If you are interested in these beautiful and popular garden flowers so easily grown by anybody, it will be an exceptional opportunity for you to make your selections, checking off our Gladiolus Guide which may be had free from the attendants."

Kennedy & Hunter, the new W. 34th st. seed firm, report business as quite up to their expectations. They have received numerous orders for Dutch bulbs, pot grown Strawberry plants, nursery stock, etc. The firm have added a store room to their establishment, which is to be used for the filling of seed orders.

Philadelphia Seed Trade

There is at this time a by no means brisk but, nevertheless, a steady demand for Timothy, Hairy Vetch, Spinach, Kale, and Corn Salad; a few sales now and then of Alfalfa, and Crimson Clover. Timothy has advanced $1 per bush. in price during the past three weeks. Crimson Clover has fallen off in price $1 or more, because the new importations are arriving, but owing to the damaged condition of the Crimson Clover seed crop in the nearby States, the supply therefrom will not be sufficient to lower the price further. A shortage is reported in the larger sizes of Callas, and Paperwhite Narcissus. Asparagus plumosus nanus seeds are very scarce, and the seedsmen will hardly be able to fill what orders they have already booked. The "lath house" grown Florida seed will not be in the market until about January 1, and the greenhouse grown seed will not be ready before February or March.

A letter to the Moore Seed Co. from a large seed grower in England says, "A close inspection of our crops of Beets standing for seed shows that the outlook is very much worse even than we expected. We do not anticipate that there will be more than one-tenth of a good moderate crop. There are several weeks to run before the seed are taken in. The crop may improve somewhat; on the other hand, it may go still worse. We never remember such a serious time and outlook for Beets." A letter from a large French seed grower in reference to an order placed two and one-half years ago for delivery for the next season states that Succession Cabbage, Monstrous Carentan Leek, White Summer and Chinese Radish seeds are total failures. Seven kinds of Onions are mentioned, of which there will be a delivery of only one-quarter to one-third of the contract for seed, and only one-fifth to one-half of Paris Golden, and Giant Pascal Celery Seeds named in the contract. This indicates, as has been previously noted, a shortage, and consequent high prices of biennial seeds in 1911.

The Johnson Seed Co. report a moderate trade in Fall seeds. H. W. Johnson is spending a part of his time at Cape May where his family is summering.

Walter P. Stokes of the Stokes Seed Co. is back from his two months' European trip, looking well and plunging into business again. He reports that he and Mr. Willard were well received and nicely entertained by the leading seedsmen in England, France and Germany. He was greatly interested in the methods of seed growing, especially the growing of Sugar Beet seeds. He noted the efficient, trained labor at moderate prices. He says that the laborer's day is long, namely from 6 a.m. to 7 p.m., but there are very liberal rest hours allowed several times during this period. Mr. Stokes reports that all seed supplies in these countries are shortened by the cold, wet weather.

J. Otto Thilow, of Dreers, returns from the S. A. F. & O. H. convention at Rochester much pleased with the meeting. Among other things, he commends the staging of the exhibits, and the ample allotment of space therefor; the strong showing of the ladies' S. A. F.; the enjoyable receptions; the courtesy and kindness of the Rochester people; the well attended sessions; and the general high tone of the whole meeting. He speaks enthusiastically of the opportunities for botanical study in beautiful Highland Park, and in that connection attributes great credit to Ellwanger & Barry. In one window of the Dreer store at 714 Chestnut st. French Mushroom spawn is featured this week, and in the other is displayed a fine collection of Canna blooms; among them Wm. Saunders, Wyoming, Grandiflora, and Miss Berthine Brunner, are especially large and beautiful.

It is reported, all around, that the Gladioli display of the Dreer varieties attracted much attention at the S. A. F. convention through their unusual beauty and merit.

It is noted that nearly every seed store in Philadelphia is offering hand wine and cider presses for sale this week.

Frederick J. Michell, Sr., pronounces the S. A. F. convention at Rochester a splendid success, so ably conducted in every respect that it left little to be criticised. The Henry F. Michell Co., booked a very liberal number of orders as a result of their fine exhibit of bulbs, etc. I. Rosnosky, their salesman in charge of their exhibit, is rounding up orders in the several cities on his way back from the convention. In the window of the Michell store this week is shown a plate of very fine Tomatoes grown from seed of their Private Stock Stone Tomato.

CHICAGO.—Leesley Bros. are harvesting their Onion sets. Notwithstanding the dry season they are getting a good crop from their 65 acres planted.

LOUISVILLE, KY.—Business during the past fortnight in Louisville has been mostly along the lines of old reliable staples, such as Timothy, Blue Grass, Rye and Orchard Grass seeds, according to William Ross, president of the Ross Seed Company. Trade along these lines has been considerably weakened by the heavy and continuous rains which, combined with cold weather, practically put the Blue and Orchard Grass crops "out of business" in the famous grass growing regions of this State. Nearly fifty per cent. of these crops was destroyed and the corresponding scant supply is bringing record prices in the local market. Fall business is expected to be of the banner variety in general seed lines.

G. D. C.

FREMONT, NEB., Aug. 20. We have had liberal rains within the past ten days all through the Western growing sections and believe the crop prospects are improved. There will be, however, some shortages of certain varieties of Sweet Corn, also Field Corn, a few varieties of Cucumber, Pumpkin and Squash, and a number of varieties of Muskmelon and Watermelon. There will also be a few total failures, but not many. We believe the Muskmelon and Watermelon crops in the sections where they do not have irrigation have been hurt more than other crops, and we look for more serious shortages in Watermelon crops than in any other line.

WESTERN SEED & IRRIGATION CO.



Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

CAULIFLOWER SEED

CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Los Angeles, Cal.

When Morris & Snow Seed Co. moved to their present location they thought they would have room enough to do them for several years, at least during the five years' life of the lease. In a twelvemonth they were obliged to double deck the rear half of the room, a year afterwards to rent space in a storage warehouse, and now they are overhauling the room, placing the office on the second floor or double-deck that they may have enough additional space to meet the requirements of their growing trade.

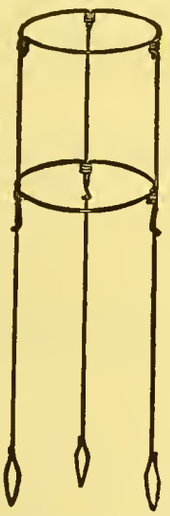
A representative of a San Francisco seed house reports the sale of 580 tons of Vetch seed in southern California, to be sown this season as a cover crop in Citrus fruit and Walnut groves.

Nursery men and seedsmen on this Coast have yet a lot to learn on methods in tree and plant packing. Recently, I ordered some Cactus slabs from a nurseryman in an adjoining county, 172 miles distant. They were forwarded in due time and, to my surprise, the express charge was 75 cents. To know exactly how much I paid for the package, and how much for the Cactus, I weighed them separately, and found that the box weighed four pounds, the Cactus three and a half. Had they been wrapped in a piece of paper and tied securely they would have reached me in quite as good condition and at half the cost for transportation. This man is not the first offender in that particular. There is no excuse for any such carelessness and commercial growers who receive orders for seeds or plants to go by express will surely lose patronage if they persist in heavy weight methods of packing.

Reference has been made before in these notes of the method of growing plants in tin cans as practiced on this Coast. Another exasperating experience, a week ago, in getting a lot of plants grown that way out of their receptacles, leads me to wonder what all such growers will say when they finally rap at the pearly gates for admission. Certainly, St. Peter will have charged up to their account the item, unjustifiable cause of a lot of profanity by their fellows in the craft. The man who can transplant plants out of a tin can and not swear deserves to be canonized, and this is intended neither as a pun nor a joke.

P. D. BARNHART.

THE
MODEL
Extension
Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

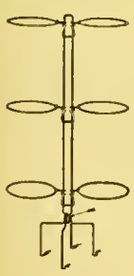
Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MÜLLER'S DOUBLE IMPROVED CARNATION SUPPORT



Is the only Support on the market that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Patented Feb 8, 1910

Müller's Support Talks For Itself.

O. A. MÜLLER, Ambler, Pa.

Please mention the Exchange when writing.



Boddington's Gigantic Cyclamen

Boddington's Gigantic Cyclamen

The seed of Cyclamen is often sown too early in the year; from August to the end of September is the best time. The seedlings should be grown on to the flowering stage without any check whatever. When grown cool, the results are most satisfactory. Boddington's Gigantic Cyclamen are unequaled for size and quality of bloom. A magnificent strain of Cyclamen with flowers of extraordinary size and substance.

Gigantic White Butterfly. Pure white; immense flowers.

Gigantic Snowflake. The largest of all white Cyclamen.

Gigantic Cherry-Red. Most brilliant and effective.

Gigantic Rose. Immense flowers of a pleasing shade of light rose.

Gigantic Pink. Exquisite shade of soft pink.

Gigantic Crimson. Most striking color; under artificial light appears to be almost luminous.

Gigantic Crimson and White. A magnificent flower of the largest type.

Gigantic Syringa Blue (new). A charming color.

Gigantic Lilac. A very pleasing color, lighting up well at night.

Any of tthe above varieties, trade pkt. 50 cts., 100 seeds $1.00, 1,000 $8.00.

Collection of the above nine selected varieties, one pkt. of each, for $4.00.

Gigantic Mixed. A mixture of all the above varieties in proper proportion. Trade pkt. 50 cts., 100 seeds 85 cts., 1,000 seeds $7.50.

PRINCESS MAY. A very pretty type of Cyclamen. Color pink, with suffused blotches of crimson at base of petals. Trade pkt. 50 cts., 100 seeds $1.00.

SALMON QUEEN. Undoubtedly one of the most distinct and beautiful salmon colors found in Cyclamen. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum Salmonium Splendens. The finest salmon-pink variety. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Rococo, Mixed Colors. The beautifully fringed flowers measure 5 inches in diameter. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Bush Hill Pioneer. A beautiful new feathered Cyclamen in various colors. Trade pkt. 50 cts., 100 seeds $1.00.

Six Grand Novelty Cyclamen

Peach Blossom. An exceptionally handsome variety of an intense rose color. Trade pkt. 50 cts., per 100 seeds $1.75.

Purple King. The best of all crimson varieties and strikingly beautiful. Trade pkt. 50 cts., per 100 seeds $1.75.

Phoenix. Bright cherry-crimson flowers, freely produced. Trade pkt. 50 cts.

Rose of Marienthal. Soft shell pink; a very pretty variety. Trade pkt. 50 cts., per 100 seeds $1.25.

Salmon King. Rich color. One of the very best of this beautiful shade. Trade pkt. 50 cts., 100 seeds $1.50.

Vulcan. The rich crimson color is very striking and contrasts admirably with the pure white of Butterfly. Trade pkt. 50 cts.

Collection of the preceding 6 varieties of up-to-date Novelty Cyclamens for $2.50.

Arthur T. Boddington
SEEDSMAN
342 West 14th St., New York City

Please mention the Exchange when writing.

Order Now from Our Surplus Stock

FREESIAS, 1-2 to 3-4 inch (Samples upon request)
LILIUM FORMOSUM, all sizes
WRITE FOR PRICES

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., New York

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

WE PRINT CATALOGUES

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.

Nos. 2 to 8 Duane Street, NEW YORK

Proprietors The Florists' Exchange

P. O. Box 1697 N. Y.,

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

20,000 VIOLET PLANTS

Marie Louise, Farquhar and **Princess of Wales,** fine field-grown plants, free from any disease, $5.00 per 100.

CARNATIONS, a few thousand **Pink** and **Rose Pink Enchantress,** extra large, field-grown plants, $6.00 per 100.

ASPARAGUS PLUMOSUS NANUS, 2¼ in., fine plants, $3.00 per 100.

GERANIUMS, Rooted Cuttings, booked for delivery on or before Nov. 1st, of the following varieties: **Poitevine, Nutt, Grant, Doyle, Ricard, Perkins, La Favorite,** and **Mme. Salleroi,** $1.00 per 100, $10.00 per 1000.

WHITE PLAINS NURSERIES

HERMAN BOWMAN, Prop.

92 Railroad Ave., WHITE PLAINS, N. Y.

Please mention the Exchange when writing.

CANNAS

prices on what you can use. Catalogue free.

We grow over one million and offer for Fall or Wioter delivery, as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

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Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.

AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100

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Strong 3-in. Nutt and Ricard, $2.50 per 100, $20.00 per 1000; 2-in. Nutt, Buchner, Ricard, $1.50 per 100. Transplanted Rooted Cuttings, strong, of all Standards, $12.00 per 1000, $1.50 per 100. Cash, please.

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Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Hartford, Conn., Sept. 23-24, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

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Whitmani and **Scholzeli,** perfect specimens, for 6-inch pots, 25c. **Boston,** for 4-inch pots 10c.; for 5-inch pots, 15c., extra, for 6-inch pots, 25c.
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VIOLET, Gov. Herrick, fine plants, $2.50 per 100. CASH.

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Assorted Varieties for Dishes

Strong plants, from 2¼-inch pots, at $3.00 per 100, $25.00 per 1000; 3-inch, at $6.00 per 100.
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All Pot Grown

SCOTTII, 4-inch pots, $15.00 per 100; 6-inch pots, $40.00 per 100.
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2½-inch $30.00 per 1000.
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Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES

108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, new stock ready. Only 5000 **KENTIA Belmoreana** in 2¼-in. pots left.
Also a large stock of **BOSTON FERNS,** from bench, for 5, 6, 7-in. pots, ready for delivery.

Prices on application.

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6-in., 40c. and 60c.; 4-in., 15c.
ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.
COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

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FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

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Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.
Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

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And avail yourselves of the opportunity to grow a few

DAWN

(TRACY'S)

THE most beautiful shell pink on the market, carrying a large number of flowers, and growing more beautiful as it fades. Also fine for forcing.

It will be catalogued by the best seed houses and furnished you at a reasonable rate. If your dealer does not carry it, write me and I will give you addresses of seed houses listing DAWN.

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Newport, R. I.

With the florists the week ending Aug. 17 was one of rush in the cut flower trade, and there has also been something doing in the way of plant decorations for the many social events given in the way of balls and dinner dances.

The large number of society people here—increased by those who came for the tennis tournament—caused the greatest demand ever noted for Gardenias, which appear to be the favorite flower with both sexes for personal adornment. In house decoration immense quantities of Hydrangeas, Gladioli and Liliums of the speciosum type have been used.

In a recent note I was made to say that the borer attacking the Oaks was fat-headed—flat was meant. And I should have said that only the English Oaks are affected.

Edward F. O'Hara, for over 20 years head gardener in charge of the George H. Norman estate, died at his residence on Fir st., Aug. 17; the funeral service was held at St. Mary's Church Aug. 20, a large number of his friends and former associates attending. The deceased was a native of Lancashire, England, and came to this country 27 years ago. As a gardener he was particularly successful in the transplanting of large trees, some of the fine Beeches at "Belair" being living monuments to his skill. A widow, two daughters and a son survive him; another son died two years ago.

ALEX. MACLELLAN.

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PLANTS and FLOWERS always on hand.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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Largest Importers, Exporters, Growers and Hybridists in the world.

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Just arrived in fine condition.
Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.
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WILLOW POT BASKETS

Bottoms Reinforced

A high grade article which we guarantee will give satisfaction. The cheapest, strongest and best Basket on the market. A trial order will convince you of its merits.

No. 1— 6 to 8 inch Pots, $6.50 per doz.
No. 2— 7 to 9 inch Pots, 7.00 per doz.
No. 3— 8 to 10 inch Pots, 7.50 per doz.
No. 4— 9 to 11 inch Pots, 8.00 per doz.
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Add $1.50 per dozen for staining.

ASTERS

YOU KNOW WE HAVE THEM

$1.00 per 100

Fancy $1.50 Specials $2.00

GEORGE B. HART

Wholesale Florist

24 Stone Street, ROCHESTER, N. Y.

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"NIAGARA"

Another New Seedling Gladiolus of which we still own the entire stock

MR. FRANK BANNING,
Kinsman, Ohio.

Cleveland, Aug. 10, 1910.

Dear Sir:

The Gladiolus "Niagara" you have been sending us are superb, and we consider it the most valuable of all the Gladiolus as a fancy cut flower.

The J. M. GASSER CO., Euclid Avenue.

Like our "America," introduced by Mr. Childs, this beautiful new variety will stand at the head of the list. It is especially adapted to the Florists' trade. Flowers large, color delicate cream, and is even a stronger grower than "America." It produces bulblets freely and is standing the dry weather this season better than any other variety on our place.

We have always been able to sell our entire cut of flowers from this variety at $50.00 per 1,000, and gladly refer you to any of our customers. Will offer a limited quantity of bulbs of "Niagara," 1910 crop, at $15.00 per 100.

FRANK BANNING

Gladiolus Specialist - Kinsman, Ohio

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TREE FERNS

NEW IMPORTATIONS ARRIVING IN FINE CONDITION

Cyathea Medullaris
Cyathea Dealbata
Dicksonia Antarctica
Dicksonia Squarrosa
Alsophila Excelsa
Alsophila Robusta
Hemitelia Smithii
Hemitelia Moorii

Write for prices

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SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

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FERNS Ferns from Bench

Boston, Elegantissima, 4-in., 10c.; 5-in., 12½c.
Whitmani, Amerpohli, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.
Scottii, 3-in., 6c.; 4-in., 10c.
Giant Snapdragons from field, white, pink, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 30c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.

	Per 100
CHINESE PRIMROSES, 2-in.	$2.00
PRIMULA FORBESII, 2-in.	2.00

PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2 per 100; **Gigantea, Carminea,** and **Kewensis,** 2-in. pots, $3.00 per 100.

Cash with order.

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"Yours is the one Trade Paper we could not get along without, and especially Mr. Meehan's page is worth a whole lot to us."

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John Lewis Childs
FLORAL PARK, (LONG ISLAND)
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"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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American Beauty
White La France
Baby Rambler Red
Baby Rambler White
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Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years — GENEVA, N. Y. — 800 Acres

Yellow Rambler
Cl. Victor Verdier
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Frau Karl Druschki
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From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

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Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

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We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

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We will have some nice clumps for forcing this Fall.

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Hightstown, N. J.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street — NEW YORK

Please mention the Exchange when writing.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

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Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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Proprietors { U. J. HEERMA VAN VOSS, H. A. M. SWELLENGREBEL

Write at once to our American Agent:

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HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 18 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

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I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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PEONIES

Our Seventeenth Year. Prices Right.
Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries — ROCHESTER, N. Y.

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GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

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ROSE STOCK

3000 4-in. **American Beauty,** at 15c. each.
2000 each, **Brides, Bridesmaids, Richmond;** 1000 **Rhea Reid,** 300 **Ivory;** all own root, at 6c. each.

CHRYSANTHEMUMS

Our selection, good commercial varieties, at $3.00 per 100; $25.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

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NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN
W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

DALLAS, ORE.—H. G. Campbell and D. L. Thomas are to establish a nursery and greenhouse business here this Fall. A tract of land near town is already in preparation for the nursery.

ONTONAGON, MICH.—Daniel Nehmer & Sons have organized a company to conduct a nursery business, with a capital stock of $15,000. Chas. F. Nehmer is president and manager, Daniel Nehmer vice-president, and Henry D. Nehmer secretary and treasurer.

SALT LAKE CITY, UTAH.—Utah's Dixie Nursery Company has been incorporated to do a general nursery business, with a capital stock of $25,000. Headquarters will be at Hurrican, Utah. Frank Barber is president and Joseph W. Webt vice-president. Fruit trees, ornamental shade and other trees are to be planted.

Varieties of Chinese Arborvitæ

As the Chinese Arborvitæ is known to do well in the southern States, better than any other species, there is a good trade springing up for it, for the dwarf varieties of former days as well as the newer ones of the present. There is quite a demand for it, too, for planting in grounds near the seashore, it not seeming to mind the sandy nature of the soil of some resorts, and thriving in that of either a sandy or a loamy nature. In many of the southern States where hedges of the golden form have grown up to bear seeds, it has been found that these seeds produce varied forms: some of them of the parent type, others perhaps more robust than the original, and some of the same dwarf, dense habit, but lacking the golden color of the parent. The green forms are well worth increasing. Everyone familiar with the common Chinese Arborvitæ knows that its habit is not dense enough. What foliage it bears is arranged vertically on the shoots, hence, when snows come, there is presented a ragged looking tree; and if the snows are heavy the branches are so twisted that they rarely regain their original habit. The green-leaved seedlings of the golden one are compact and beautiful, as they grow here, and it would surely be interesting and profitable to our nurserymen to get seeds of the golden one and watch the seedlings as they develop.

European houses sell these seeds, as well as southern ones, and, no doubt, the variations mentioned would occur, no matter where the seeds were obtained.

Evergreen Planting

There is no better time of the year to transplant evergreens than the month of September. Their new growth is well ripened, the soil is as warm as a hotbed, and if the ground is not wet it can be made so. There seems nothing whatever to hinder full success when the work is properly done. Many planters are rather indifferent to the plants carrying a ball of soil with them, but all experience leads to endorsing its value, hence much work is done in nurseries to further the production of a mass of roots, to hold the soil when a plant is dug. It is the close adhesion of the soil to the roots that insures success. This close contact the ball insures, hence, when trees have it, after transplanting they never fail, it may be said. When the ball cannot be had, close contact of root and soil can be effected by liberal waterings. Nothing solidifies particles of soil quicker. The soil should be very fine; sand is good for the first fillings, then, when water is poured in freely, it carries this fine soil into every crevice, and tightens it too, so that if no injury had come to the roots through drying or other causes, the chances of the trees living might be considered almost equal to those in the case of one that had been set with an undisturbed ball. But ball or no ball, water the plant freely, pouring in a quantity of water when the hole is half filled up, another quantity the next day, and in a few days again, so that the ground is saturated, after which, unless the weather should set in extremely dry, there may be no occasion to give it more.

The early planting season recommended is considered by landscape gardeners to be the best season of the whole year. If successful, as it usually is, there is an established tree to brave the cold of Winter; it is, practically, in the position of one not undisturbed, for it has new roots which have taken up the work of supplying the requirements of the tree and which the soil holds. The freezings of Winter will not affect a tree as it would were it set late in Autumn, too late for it to form roots.

No matter what size the evergreen may be, plant it early in September, treat it as recommended, and no loss need be anticipated.

The Old Sweet-Scented Clematis

Because of the robust growth and floriferous character of the Japanese Clematis, C. paniculata, there is danger of the worth of the older one of southern Europe, C. flammula being overlooked, to the loss of the horticulturists of today. The flammula lacks the robust character of the Japanese, but it more than makes up for it in the sweetness of its flowers. The delicate odor of its blossoms is powerful in the distance it carries, greeting one at a far greater distance than the other does. It fairly sustains its old name of Sweet-Scented Clematis. In another way it is useful: where one has a small fence he wishes a Sweet-Scented Clematis set to, he cannot use the paniculata, it is too rampant; the flammula in this case is just the thing desired. It does not make too dense a growth, its perfume is exquisite, and its annual flowering can be fully relied on.

There is no doubt of the C. paniculata being too strong a grower for some positions, while admirable for others. There is a vine of it on a neighbor's fence here which desires to make a growth of 20 ft. or more every year, while not half the distance is available for it. The flammula would suit the position much better.

Some would consider it an advantage that the flammula flowers in late July and early August; it is out of flower weeks before the paniculata opens, so that there is really room for both to be grown.

Seeds of these Clematis are a long time germinating. Sown in Autumn, indoors, it is Spring before they sprout, and sown in Spring the seedlings have a way of coming up at intervals all through the Summer.



Kerria Japonica Plena Double Flowered

Potting Evergreens For Winter Use

The demand for evergreens in pots for Winter use is now so general that every florist is expected to be able to supply such plants. As a rule, little effort is made to secure and pot such plants until Winter is close at hand. When the plants are small this late potting answers fairly well, but a very much better way is to look up the stock in Midsummer and pot it then. New roots form at once in Summer; with the growth of these the life of the plants is assured, and their well doing in the Winter season may be relied on, with anything like fair treatment. Besides that, the work is done at a most convenient time when performed in Summer; the plants potted then are, too, healthier and better than when newly potted. More growth is made later on, adding to the selling value, and enabling them to cope with the adverse conditions plants are often called on to endure in dwellings in the Winter time.

Potted now and set in some secluded, shady place outdoors, or in a shed for a week, the plants could then be plunged in the ground outdoors until Winter was near. Plunged to their rims, or below them, little watering, perhaps none, would be required.

The Button Ball Bush

Because of its ball-like cluster of flowers and seeds, the Plane tree, Platanus occidentalis, is called the Button Ball tree, and for the reason that the same shaped arrangement appears in the Cephalanthus occidentalis, that species is called Button Bush. When in flower, in July and August, this bush is very pretty. Its flowers are white and quite conspicuous. After flowering, the balls of seeds are interesting, and the bush itself usually forms a rounded outline which pleases.

Whether in a wet or a dry situation the Cephalanthus flourishes, though naturally it is a swamp shrub, growing with Alnus serrulata, Rhus venenata and similar well-known swamp shrubs.

Though a shrub in one way, that of flowering when but a few feet high, specimens of tree-like size are met with at times. In a swamp near Philadelphia there is one possessing three trunks, 6 in. each in diameter at a foot from the ground, and one of these divisions has a length of 20 ft., but as it grows at an angle it is but 9 ft. above ground at the end of its growth; another one is 15 ft. in length, it, too, at an angle; while the third, growing straight has been topped at 6 ft., and has a head of shoots reaching to make in all 12 ft. from the ground.

Kerria Japonica plena

Many gardeners will recognize in Kerria Japonica their old-time friend, Corchorus Japonica, the name it passed under for very many years; at the present time Kerria is the recognized proper one for it.

Kerria Japonica is the only known species of the genus, though there are two varieties of it. The one of our notes is, in fact, but a variety, being the double-flowered form of it, and it will seem strange to many to know that this latter was known in cultivation long before the type, the single-flowered one, which is rare today as compared with the double one. There is also a variety with variegated foliage, a very pretty one.

All three of these, the type, the double-flowered and the variegated, are most desirable shrubs, flowering continuously from Spring until Autumn. There is an early Spring crop, such as is displayed in the plant of our picture, then there are a few flowers now and again all through the season, never a great display, but it is rare to see the bush with no flowers at all on it, and this is particularly true of the single-flowered one.

The plant of our picture is rather better flowered than common, the season favoring it; the plant well represents its habit, though when let grow at will it is not as bushy as this one is.

The native country of this Kerria is Japan; and it was one of the first shrubs of that country to become common here; no doubt its yellow flowers, looking almost like yellow Roses, had much to do with its popularity from the start.

Our Native White Pine

Were it not a native tree, the White Pine would be much oftener planted than it is, and even with this drawback it is a pleasure to see many of our best planters using it extensively. It deserves to be in every collection where a Pine can be used, for there is really none to equal it in beauty and general desirability. Its closest competitor is the Himalayan Pine, P. excelsa. Like the White Pine it has silvery looking foliage, added to which is its drooping needles, giving a weeping character to the tree, which makes it much sought for planting in certain places.

It is not well known how readily the White Pine yields to pruning. An annual pinching back of its young shoots when they push out in Spring will make a dense tree in a few years, and this without making of it a sheared looking specimen, such as is made of many other evergreens that disfigure lawns when "sheared in." The White Pine is rarely seen used as a hedge, generally as a windbreak, which, in a horticultural way, represents a tall screen to rob gales of wind of their violence, though it is no more a forest tree than the Norway Spruce and the Hemlock, both of which are often seen in hedge form.

As a screen, the White Pine is unrivaled. When so designed for use, a good annual pruning for a few years is of great use, adding to its effectiveness as a windbreak because of the resistance it gives to winds. It is greatly in its favor that it is not damaged in Winter gales to the extent that many Pines are, from the fact that its soft needles give to the winds instead of resisting them, thus escaping the scarred appearance of other species, the needles of which stand stiff in gales.

Add to the many good qualities of this Pine that it makes more small roots than almost any other, consequently, transplants easily.

PEONIES

A great clearing sale of the very best varieties at extremely low prices. All these are large six-year old clumps and undivided. True to name.

FESTIVA MAXIMA, Pure White with Carmine Center, $2.00 per clump (true stock).

RICHARDSON'S RUBRA SUPERBA, $1.00 per clump.

FRANCES ORTEGAL, 50c. per clump.

MIXED VARIETIES, Mostly White, 25c. per clump.

CHICAGO CARNATION COMPANY, Joliet, Ill.

A. T. PYFER, Manager

Please mention the Exchange when writing.

CALIFORNIA PRIVET IS MY SPECIALTY

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man

HILLSIDE NURSERIES

ATLANTIC HIGHLANDS, N. J.

Long Distance Telephone
60J, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

EVERGREENS

For August and September Planting

	Doz.	100
American Arbor-vitae, 4-5 ft.	$7.00	$60.00
3-4 ft.	4.00	30.00
	Each.	Doz.
Golden, 18-24 in.	$0.50	$5.00
Pyramidal, 18-24 in.	.50	5.00
Cypress Lawsonia, 2-3 ft.	.75	7.00
18-24 in.	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis, 18-24 in.	.75	8.00
Picea excelsa, 4-5 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	25.00
18-24 in.	2.50	15.00
	Each.	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
12-18 in.	1.00	10.00

Roots dug with ball and burlapped, 10c. extra.

CALIFORNIA PRIVET

OCTOBER DELIVERY

2 Years, cut back and nicely branched.

	100	1000
3-4 ft.	$5.00	$40.00
2-3 ft.	4.00	35.00

BERBERIS THUNBERGII

	100	1000
18-24 in., very bushy	12.00	100.00
12-18 in., very bushy	8.00	80.00

This is the best of stock good growing can produce. Prompt shipment.

C. R. BURR & CO.,

The Burr Nurseries MANCHESTER, CONN.

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

Marechal Niel Roses

Extra choice, 2½-inch, $3 50 per 100; $30.00 per 1000

What do you need in rose plants, now or Spring?

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

ENGLISH IVY

Strong, Bushy, Field-Grown Plants

READY IN SEPTEMBER

$6.00 per 100.

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

FERNS

MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5 00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $65.00 per 100; 7 inch, $2.50 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $5.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

Ferns in Flats

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Newport (R. I.) Hort. Society

A regular meeting was held on Wednesday, Aug. 23, President James Robertson in the chair. A special premium of $15, offered by R. & J. Farquhar & Co., was accepted with the thanks of the Society; it will be offered for vase of 25 blooms Peony-flowered Dahlias, not less than 5 varieties, in two prizes, $10 and $5. Wm. F. Smith was appointed chairman of the committee of arrangements for the Fall show, with William Grey as assistant.

On the exhibition table were flowers of Sweet Peas (awarded H. M.) and a vase of a new white Cactus-flowered Aster having very narrow florets; the plant being of fine branching habit. Awarded C. of M.

The arrangement for the judges' dinner was placed in the hands of the president; it will take place at noon September 17.

ALEX. MACLELLAN.

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White Marsh, Md.

R. Vincent, Jr. & Sons Co. intend putting up additional glass this Fall to about the same extent as was built last Winter; material for the new structure has already been ordered, including an additional large Furnau boiler. The old barns have been demolished and on their site is being rebuilt a two-story combinatiou structure, 40x70 ft., to serve as a barn and for machiuery storage.

Notes of Appreciation

Editor Florists Exchange:

Your issue of Aug. 13 was to me a marvel in size and beauty, and an exhibition of the astouishing rate of development of the trade paper. Its value to all members of the fraternity who wish to be well informed as to what is going on in the horticultural world is inestimable. If Luther Burbank, who told me that he did not have time to read, was to take time to pursue that profitable pastime he would learn that there are other men in the world besides himself who are contributing their share to the progress made in plant breeding and plant development. P. D. BARNHART.

Los Angeles, Cal.

Editor The Florists' Exchange:

Your paper is very satisfactory to me. I could not afford to miss its weekly visits. It is the ideal trade paper according to my judgment. I admire you for your spirit of fairness. It is altruistic; in short, practices the application of Christian priuciples. JOHN C. SIMS.

Hogansville, Ga.

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Society of American Florists

The twenty-sixth annual convention of this Society which took place at Rochester last week will be remembered for years to come by those who had the pleasure of being there.

President Frank R. Pierson's message was very much to the point and should be read with care by all who were not present but who have the interest of the Society and horticulture in general in their hearts. We live in an age of adjustment to meet the changes continually taking place in business, as well as in society matters, this latter at least so far as relates to aggressive societies. President Pierson pointed out how a consolidation of the various allied societies was possible through a Midwinter meeting, and as this latter has now been resolved upon we shall see how true his desires will come. For our part, we agree with Mr. Pierson that this is the psychological moment for union of all forces making for strength and ability to promote horticulture and extend business interests, and we are also of the belief that the children of so good a mother as the S. A. F. has proved should be willing to return to the fold under conditions which will still leave them free and in a great measure independent, and with it all, confer upon them more strength, both morally and financially, than they have as yet possessed.

From time to time through the year we shall endeavor to revert to this subject, and trust that our readers will assist us in endeavoring to find an acceptable solution.

The selection of Baltimore as a place of meeting, although hotly contested by Chicago, will be hailed by our southern friends with acclamation. The Society has never yet visited that city, and without doubt, its members will find the addition of Baltimore to their list of meeting places most desirable.

The meetings of all the allied societies on the Thursday compelled their members, as well as the scribes who record their affairs, to do considerable hustling; more time will have to be accorded in future.

An important matter was the endorsing of the Sulzer bill having to do with Parcels Post, and to which so much time has been given by the veteran James L. Cowles.

The trade exhibition was the banner one of the Society; that goes without saying. It is also gratifying to note that the majority of exhibitors did splendid business.

Our illustrated section will give non-attendants some idea of the magnitude of the trade exhibition; it is a typical meeting for keen tradesmen, and those who have never been present miss more than they wot of.

The Spencer Type of Sweet Peas

The advent of the Spencer type of Sweet Pea has undoubtedly added thousands of worshippers to the shrine of this popular annual, although previous to the introduction of "Countess Spencer," the new and improved forms which were annually given to us by the late Henry Eckford had been the means of bringing this dainty and fragrant flower to the front rank of all annuals.

The Spencer type is, however, such an advance in size, and the frilled or wavy form so much more attractive, that it has to a considerable extent ousted the grandiflora type from popular favor, and for exhibition purposes there is no comparison in the merits of the two forms. In addition to the size and form of the flower must be added the new colors and combinations of colors which have come with the Spencers. For instance, just to mention a few, there are no varieties among the grandifloras that are in color quite like Helen Lewis, John Ingman, Mrs. Routzahn, Evelyn Hemus, Constance Oliver, Audrey Crier, Florence Morse Spencer or Miriam Beaver.

Countess Spencer was first exhibited in London in 1901 and, to put it very mildly, it created a perfect sensation among all Sweet Pea enthusiasts who were fortunate enough to be at the exhibition, and its introduction was eagerly awaited.

The Countess was said to be a sport from Prima Donna, and was generally spoken of as such in the various English gardening papers for several years after its first appearance. As is generally known, when any plant sports it often does so in several places simultaneously. Countess Spencer was first exhibited by Silas Cole, head gardener to Earl Spencer at Althorp Park, Northampton, England. About the same time W. J. Unwin of Histon, Cambridge, England, observed a sport in his batch of Prima Donna, and this he named Gladys Unwin, while it also appeared at Henry Eckford's at Wem, Shropshire.

The reports of the various growers are as follows:

Countess Spencer as raised by Silas Cole. Raised by Crossing Prima Donna with a seedling in 1899. The seedling itself was the result of a cross between Triumph and Lovely, and was unfixed.

Eckford's Countess Spencer appeared among Prima Donna without artificial crossing and as it was identical with Mr. Cole's variety he sold his stock as Countess Spencer.

Gladys Unwin appeared in a row of Prima Donna without artificial crossing, but this variety, although of practically the same coloring as Countess Spencer, is rather smaller in size of flower and not of such fine form. It had, however, one great advantage over Countess Spencer in that it was fixed and true to type, and it is said that Henry Eckford's stock was also true.

The following explanation has been given for the unfixity of the Althorp stock. The seed was disposed of by Mr. Cole to a seedsman, and a few pods from another cross—Countess Spencer and Salopian—were mixed in with it by accident, the whole being sent to California to be grown; and we are told that this was the reason of the admixture of colors which we got when Countess Spencer was put on the market in 1904.

The finest of the first year's sports (if we can call them such) seen in Countess Spencer were Helen Lewis, John Ingman, Mrs. C. Mander and Mrs. Charles Foster, but as these all appeared in duplicate—that is, practically the same colors were present in both waved and grandiflora types—only those who have rogued and saved Sweet Pea novelties can appreciate the difficulties that were presented to the growers for a few years afterwards, but careful growers have now got these varieties practically fixed and true.

What is generally acknowledged to be the finest of the Spencer type, Audrey Crier, so far no grower has been able to fix. The introducing of this novelty has given to the public the crosses in obtaining it, but it is a fact that it appeared with many growers as a sport which came in several of the Spencer varieties or selections.

The same might be said of Elsie Herbert, Evelyn Hemus, etc. The white and primrose types were seen in Mrs. Charles Foster, The King, in John Ingman, and so on, yet other growers, so we are told, secured these, or similar varieties, by crossing.

This simple and easy method of obtaining new varieties—that is, by sports—has led to an unlimited multiplication of names for the same variety, and this is especially the case in England, where, previous to the introduction of Countess Spencer, practically the only introducer of new varieties was Henry Eckford. Now there are Sweet Pea specialists by the score. However, the Sweet Pea Society there has taken the question of synonymity in hand and is gradually creating order out of chaos, and, doubtless, our new American Society will do likewise.

Unfixity of stock was only occasionally heard of previous to the advent of the "Fickle Countess," but now all this is changed and the question naturally arises, "What is wrong?" and many theories to account for it are advanced, of which, to my mind, the most likely one is that of the enlarged pistil, which is so often met with in the Spencer type; but even this answer to the problem seems open to question, as fertilization is effected while the flower is yet in the bud, or unopened stage, and ere the pistil can possibly be exposed, or only occasionally, as the overgrown pistil which we sometimes see protruding from the flower is generally seen after fertilization has been effected and the flower fully expanded, though now and again it may be seen in the bud stage. But even in such cases, where is the foreign pollen coming from to cause cross fertilization? Some growers have asserted that the honey bee has been seen gathering pollen from the open keeled Spencer type, but, as they cannot reach the pollen until the flower has become expanded fertilization has already taken place; therefore, the operation of the bee is powerless to cause trouble.

If we have to put aside all idea of an outside agency influencing the unfixity of the Spencers, we naturally ask "Wherein lies the trouble?" Going back to the days of the late Henry Eckford, we are told that many of his introductions took from six to nine years to fix ere he considered the stock in a fit state to offer to the public. The trouble is, nowadays, that enthusiasts won't wait for the fixing, the cry being for novelties, this being especially so in England where so many growers are exhibitors, and can we blame the seedsman for pandering to their cry?

I firmly believe, however, that all Spencers can be fixed, but not without time and patience.

In the Fall of 1908 a well-known English seedsman asserted through the medium of the press that no grower could produce ten varieties of the Spencer type that would come true, and offered to pay ten guineas (roughly $52) to the gardening charities and pay all expenses of the trials to anyone who could prove otherwise. A grower accepted the challenge, with the proviso that the challenger would agree to 90 per cent. of purity. This was agreed to and the following ten varieties were sent to the Superintendent of the National Sweet Pea Society's trial grounds at Reading: Blush Spencer, Countess Spencer, Evelyn Hemus, Malcolm's Waved Cream, Marjorie Willis, Mrs. Henry Bell, Mrs. Wm. King, Paradise Ivory, Princess Victoria and White Spencer. The results certainly bear out my contention that the Spencers can be fixed, for in the trials of the aforenamed varieties there was only one rogue each in three of them.

Roguing Sweet Peas looks a very simple matter in theory, but it is quite a different proposition when you come down to the practical end of it, unless it be done on quite a limited scale and even then to be done well only those who thoroughly understand the varieties can accomplish good work.

In the older type roguing was comparatively a simple operation, but with the Spencers all this is changed, and the work, especially should the weather be very bright with hot, scorching suns to scald the flowers, is made extremely difficult, as only those who have attempted to rogue large patches of such varieties as John Ingman and Helen Lewis, even when planted in single rows, can appreciate.

However, when we consider that Countess Spencer was put in commerce six years ago and we have now practically straight stocks of at least two dozen varieties, among which might be mentioned Countess Spencer, Helen Lewis, John Ingman (with which we must bracket George Herbert, as it is only another name for it), Mrs. Charles Foster, Mrs. Charles Mander (a later name for which is Menie Christie), Florence Morse Spencer, White Spencer, Primrose Spencer, King Edward Spencer, Othello Spencer, Senator Spencer, Aurora Spencer, Marie Corelli or Prince of Wales Spencer, Romona Spencer, Elsie Herbert or Dainty Spencer, Apple Blossom Spencer, Constance Oliver, Mrs. Hugh Dickson, Mrs. Routzahn, etc.; and as this result has been accomplished in six years, counting from the date of the introduction of the type, surely it is great work and instead of decrying Spencers as some are inclined to do on account of novelties not always running true when first offered, we ought to congratulate ourselves on what has been done in such a comparatively short period.

Another peculiarity inherent in the Spencer Sweet Peas is shy seeding, it being now a well known fact that in comparison with the grandiflora type the Spencers only give us on an average 50 per cent. The theorist again steps in here and tries to explain the matter, pointing out that the large, wavy wings and standard retain moisture and as the flower fades falls down and encloses the keel and so causes damping and pod dropping. Another explanation is the abnormal length of the pistil and large open keel, the stigmatic point of the pistil being often beyond the reach of the anthers when the pollen is ripe, thus naturally causing barrenness. The first theory may hold good in England, but in sunny America we can hardly advance that as a reason. There may, however, be something in the open keel and enlarged pistil theory, for on comparing the various types you will find the feltilizing functions of the flower in closer conjunction in the grandiflora types than we do in the Spencers.

All this is, however, merely theory and, with time, doubtless the Spencers may become quite as fruitful as the older type. For example, when the new hybrid Primula Kewensis was first put on the market no grower was able to procure seed from it; but now this is completely changed, and the same may be said of that grand hardy perennial, Delphinium Belladonna, as until within the past few years it was never known to ripen seed. If the characteristics of these two plants have altered, may we not in course of time expect to see the Spencer Sweet Peas doing likewise and rewarding us with plentiful harvests.

Mr. Wright, chairman of the floral committee of the English Sweet Pea Society, very happily launches into verse on the seeding question:

"When the Sweet Pea reached Albion's shore
Its standard was modest and plain,
Nor waving nor frilling it bore,
And it suffered no harm from the rain.
Today, in its Spencerized pride,
It sniffs at that plain standard weed,
Its furbelows spread far and wide,
But there's a very poor harvest of seed!"

G. W. Kerr.

Fordhook Farms, Doylestown, Pa., August 10, 1910.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

Some manufacturers have, in the past, used an angle iron post, both with and without galvanizing, placing in same a piece of 2 in. x 3 in. Cypress, as shown in Fig. 63, starting at a point a short distance above grade, and extending to the top, and being secured to the angle iron by means of round-headed screws as shown. The eave plate is nailed to the piece of wood at the top, and the sill, B, and base board also are nailed to same. The only purpose served in the use of the angle iron is to so strengthen the wood post that the size of same might be

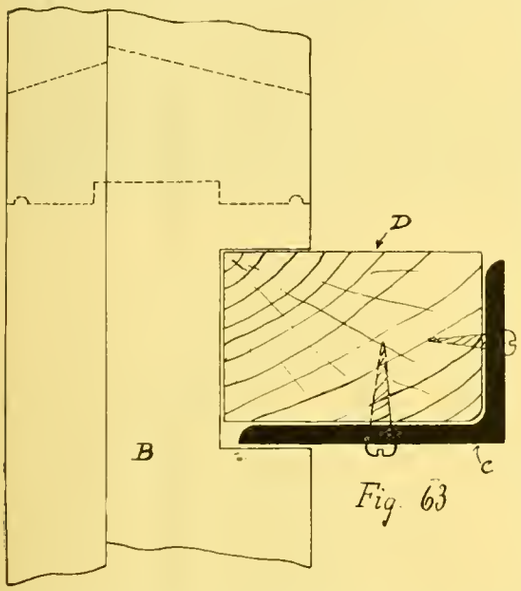

Fig. 63

reduced; but, from a standpoint of durability, it is far from a desirable construction, as it is impossible to paint the wood which is next the angle iron, and neither is it possible to keep the inside of the angle iron protected, consequently the moisture, finding lodgment, soon causes both the wood and the angle iron to deteriorate; and this is especially the case, as far as the angle iron is concerned, where the iron is not galvanized. It is much more desirable to secure the various members to the back of the angle iron, as shown in Fig. 62.

In connection with the galvanizing, great care should be taken to see that the iron is properly pickled, so as to be absolutely clean and dry before being placed in the zinc bath. If such care is not used the galvanizing will form a skin over the iron, without adhering to same, and in a short time will crack off. Under such conditions the galvanizing forms a very poor protection, and would be much better dispensed with, the iron being painted with a good quality of asphalt paint. But where the galvanizing is properly done it adds to the life of the iron much more than any paint which can be applied. Of course, if the galvanizing is exposed to the atmosphere it will in time deteriorate; but to avoid this it should, as before stated, receive a coat of aluminum paint at intervals. If this is done it will be found that the iron can be maintained in proper condition at a much less expense than if painted with a lead and oil paint.

As before mentioned, some manufacturers had their attention particularly called to the matter of improvement required in posts, but others realized the need of improvement in the matter of the eave plate, in regard to the lasting properties, shadow, and the desirability of some form of plate that would tend to clear the roof as quickly as possible of ice and snow, the result being that one of the first improvements along this line was what is known as the "angle iron eave plate" shown in Fig. 64, a patent on which was issued to Wm. A. Burnham.

The illustration shows one of the early forms and means of supporting this angle iron plate. As will be seen, the angle iron eave plate, A, is secured to the fascia, D, by means of wood screws, and this fascia in turn is secured to the wood post, E, by means of lag screws, F; the balance of the construction below the fascia is similar to that described previously, the sill and baseboard being nailed to the wood post, E.

It will be noticed that the wood roof bars, G, are attached to the angle iron eave plate by means of a small cast iron socket bracket, C, which is bolted to the angle iron eave plate at intervals, required according to the width of glass used, the wood bars being secured in the socket by means of a wood screw as shown. This eave plate proved from the first a most desirable improvement. The inside leg of the angle being exposed to the heat of the house, the heat passing by conduction to the outer leg, prevents any permanent formation of ice on this outer edge. In extreme cold weather, at night time, the ice sometimes forms at this point, but as the sun rises above the horizon quickly clears off and it is, to all intents and purposes, an ice clearing plate, keeping the roof of the house free of accumulations of ice and snow in Winter weather, and thus adding very much to the light in the house when the sun is at its lowest point in the Winter. The strength of the iron eave plate also makes it possible to cut down the size of this member, thus reducing the shadow considerably. When first introduced it was not galvanized, but given a good heavy coat of paint before being placed on top of the fascia, D; but it was found, after a few years, to be lacking in durability, as some of the first plates that were put in rusted through very quickly, owing to the fact that it was impossible to keep the underside between the wood fascia and iron painted. Consequently the manufacturers decided, some years ago, that in future all of these angle iron plates should be galvanized, and the result has been very satisfactory, from the standpoint of durability.

In regard to the matter of the cast iron socket holding the wooden bars, an improvement we believe could be made in this, by doing away with the side lugs of the socket so as to give access to the end of the wooden bar to allow painting, and also to allow as far as possible a free circulation of air around same. This would add very much to the life of the bar at this point and could be very easily accomplished by strengthening the bottom of the lug, so as to admit of doing away with the side pieces. Of course, it will be readily seen that the means of supporting the eave plate is not at all in keeping with the character of the plate itself, as it depends entirely upon the duration of the wood fascia, D, and the wood post, E; but this form of construction was early superseded by the galvanized angle iron post support shown in Fig. 65, this iron post extending from a point about 2 ft. below grade, where it is set in a concrete pier to the angle iron eave plate, A, set at the required height.

In this case the angle iron plate is secured to the angle iron post by means of the iron lug bracket, H. This bracket is similar to the bracket C, shown in Fig. 64, with the exception that it has a downward projection which is secured to the angle iron post by means of the bolt J. Each of these brackets is also secured to the angle iron eaves by means of two bolts, K, placed one on each side of a bracket, the head of the screw M, which is placed in the angle iron eaves, in the center of each light, forming a stop for the roof glass. When the whole structure is galvanized it makes a very durable, light construction.

The lugs for securing the roof bars to the angle iron plate between the angle iron posts are similar to C, shown in Fig. 64, the same objection holding good as to the

(Article Concluded on page 392)

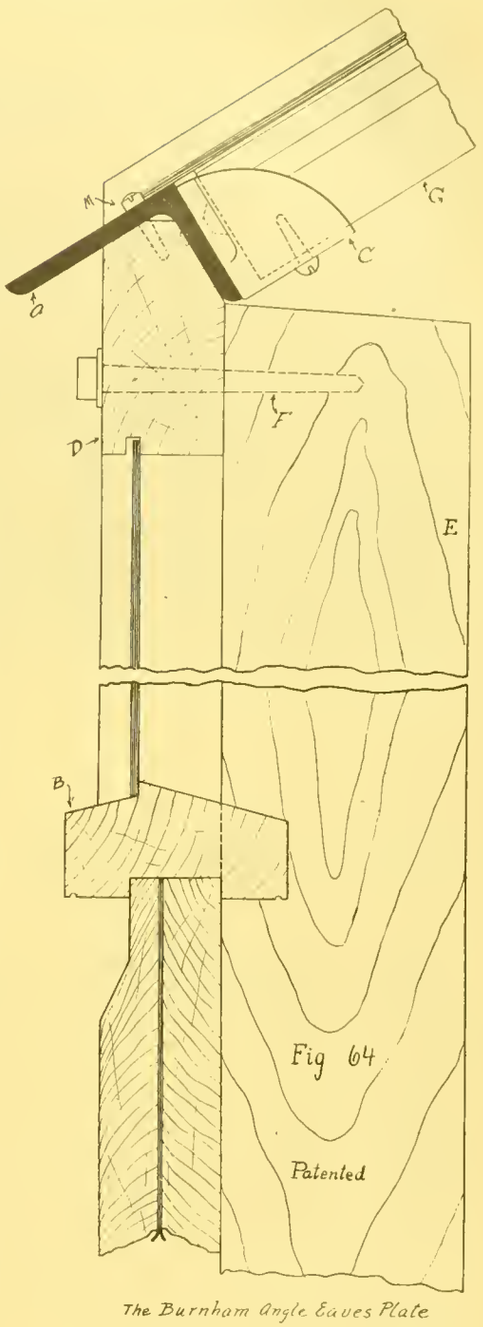

Fig 64

The Burnham Angle Eaves Plate

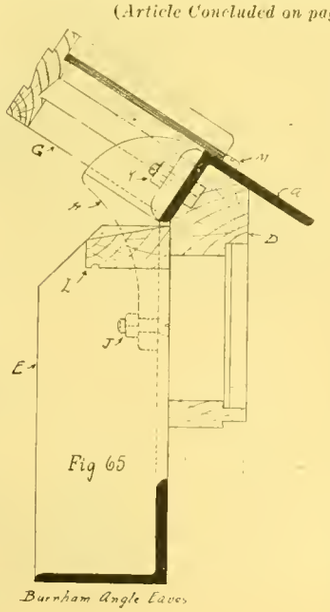

Fig 65

Burnham Angle Eaves

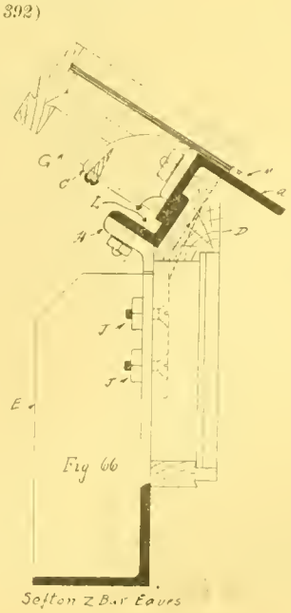

Fig 66

Sefton Z Bar Eaves

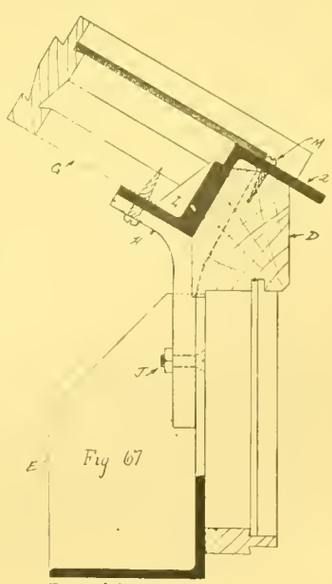

Fig 67

Payne 'Z' Bar Eaves

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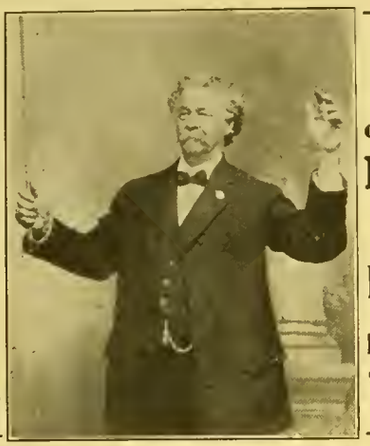

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2½ to 3 ft.	1.25	8.00	
2 to 2½ ft.	1.00	6.00	
18 to 24 in.	.75	5.00	
15 to 18 in.	.65	4.00	
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Opulus sterilis, 2½ to 3 ft.	1.00	6.00	
2 to 3 ft.	.76	5.00	
WEIGELA Eva Rathka, 2 to ft.	1.25	8.00	
2 to 2½ ft.	1.00	6.50	
18 to 24 in.	.75	5.00	
12 to 18 in.	.65	4.00	
rosea, 18 to 24 in.	.75	5.00	
rosea variegata, 3 to 4 ft.	1.75	12.00	
3 to 3½ ft.	1.50	10.00	
2½ to 3 ft.	1.25	9.00	
18 to 24 in.	.75	5.00	
TREE BOX, 2 ft.	3.00	25.00	
JAPAN IRIS (Kaempferi). 1700 clumps, in 24 different varieties; send for list. A Bargain.			

Price List of Hardy Climbers

	Doz.	100	1000
HONEYSUCKLE, Heckrotti, 2 yr.	$1.00	$6.50	$55.00
1 yr.	.75	5.00	40.00
Red Coral, 2 yr.	1.00	6.00	50.00
1 yr.	.65	4.00	35.00
Golden Leaved, 3 yr.	1.25	8.00	70.00
2 yr.	1.00	6.00	50.00
1 yr.	.65	4.00	35.00
Halliana, 2 yr.	1.00	6.00	50.00
1 yr.	.65	4.50	40.00
Evergreen, 2 yr.	1.00	6.00	50.00
1 yr.	.65	4.50	40.00
AMPELOPSIS Veitchii, 2 yr.	1.00	9.00	
EUONYMUS Japonica, 2 yr.	1.00	8.00	
Radicans, 2 yr.	1.00	8.00	
Radicans Var., 2 yr.	1.25	10.00	

ROSES

Philadelphia Rambler, Dorothy Perkins, May Queen, Ruby Queen, Trier and **Lady Gay**, 4 to 5 ft., $15.00 per 100.

Northern Light, Gardenia and **White Rambler**, 4 to 5 ft., $12.00 per 100.

Charles Wagner and **Sir Thos. Lipton**, 3 to 4 ft., $15.00 per 100.

Alba Rubifolia, Universal Favorite and **Yellow Rambler**, 3 to 4 ft., $8.00 per 100.

Violet Blue (Field), $15.00 per 100, 1 year; $25.00 per 100, 2 years.

BIRDIE BLYE (Field), $10.00 per 100, 1 year; $15.00 per 100, 2 years.

HIAWATHA, 1 year, $12.00 per 100.

AMERICAN PILLAR, 1 year, $20.00 and $25.00 per 100.

SPECIALS

Anny Muller, 12 to 18 in. at $12.00 per 100.

Rosa Rugosa Magnifica, 18 to 24 in. at $25.00 per 100 (2½ in. pots, at $7.00 per 100.)

Spinosissima, Red, 18 to 24 in. at $12.00 per 100.

Alice Aldrich, 2 to 3 ft. at $12.00 per 100 2½ in. pots, at $4.00 per 100.)

Please mention the Exchange when writing.

BAY TREES

Standard or Tree Shaped

Stem about	Crown.	Each.	Stem about	Crown.	Each.
45-48 in.	26 in.	$7.50	45-48 in.	30 in.	$10.00
46-50 in.	28 in.	8.00	46-54 in.	34 in.	12.00
			46-53 in.	40 in.	15 00



All plants are quoted f. o. b. Western Springs.

Standard Bay

Box Trees

Bush Shaped

These do not come in tubs.

Height	Each	Doz.	100
10 to 12 in	$0.30	$3.00	$20.00
12 to 15 in	.35	3.50	25.00
15 to 18 in., light	.40	4.00	30 00
15 to 18 in., heavy	.45	4.50	35.00
20 to 24 in	.75	8 00	

CROTON

Choice Varieties

	Each	Doz.
3-inch	$0.20	$2 00
4-inch	.35	3.50
5-inch	60	6.00
6-inch	1 00	10.00
7-inch	1.50	15.00

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

Please mention the Exchange when writing.



The Ladies' Automobile Ride at Rochester, N. Y.

Some of the ladies of the Society who participated in the automobile ride given by the Rochester Florists' Association on Wednesday, Aug. 17. We say "some of the ladies," as, unfortunately, many of the automobiles in some unaccountable way went past the point at which the photographer was stationed; hence, numerous of our wives, daughters and sweethearts missed the opportunity of getting into this very pleasing picture.

THE S. A. F. CONVENTION

Rochester, N. Y., Aug. 16 to 19

FINAL REPORT

Thursday Evening, Aug. 18

This, the last business session of the convention, was remarkably well attended, reminding the older delegates of years gone by, when meetings averaged a larger percentage of those present at a convention than has been the case in recent years. President Pierson called for order at 8.15 p.m., and made the statement that the illustrated lecture which was on the program for Tuesday evening had to be omitted owing to the sudden illness of the lecturer, John Dunbar, assistant superintendent of parks, Rochester. This was a great deprivation to many as Mr. Dunbar's reputation is widespread and he had gone to considerable trouble to prepare his lantern slides for the occasion. Delegates had been invited to visit Highland Park, which is under the immediate supervision of Mr. Dunbar, and many did go on that day, to their great satisfaction.

A paper prepared by W. B. Du Rie of Rahway, N. J., on "School Gardens" was then read by that gentleman, as follows:

The School Garden Movement

It is scarcely necessary for me to mention the fact that the prospects of the school garden movement have materially improved in the last few years. In a former paper, I alluded to some of the difficulties which stood in the way of their introduction in the common schools. One difficulty was the prejudice against innovations.

The successful business man, whose opportunities for schooling had been limited in his boyhood, generally dwelt on the value of "the three R's" to the disparagement of "fads." What was good enough for *him* fifty years ago ought to be good enough for other people's children *now*. This idea, however, has not prevented the wonderful progress of the schools in the last decade, not only as to the subjects taught, but in the methods of teaching.

The requirements of teachers as to their preparation for the training of children have made it possible to take up lines of work not possible in the past. In consequence, the prospect of finding a place for school gardens has much improved. Manual training, shop work, drawing, sewing and cooking, as well as nature study, have found their place in the best school systems. Their advantages to children are now so well established that what were once regarded as innovations and experiments are now being regarded as necessities.

The benefits to children resulting from these changes, from a wholly literary course to one covering a wider range of subjects, wisely chosen, has opened the way for further advancements of a like nature.

Any kind of school work which enables children to do and to see things done is most attractive to them. It inspires thought and effort. It induces habits of industry. It leads them to express their ideas in words, thus helping them in language study. Features of geography and arithmetic can be applied, and their knowledge strengthened in those subjects in connection with manual training, nature study, or school gardening. This is a great advantage and gives far better results than simply memorizing alone. The success that has resulted from work of this nature is making it easier to effect other changes in the public school courses of study, especially changes which promise similar beneficial results.



Four Aces

Ex-president F. H. Traendly, President F. R. Pierson, President-elect George Asmus, and ex-President Wm. R. Smith, talking matters over. Snapped by the EXCHANGE man at a psychological moment.

The increasing success of the work of the public schools generally, owing to improved methods of teaching, of better supervision and increased attention from school officials, the general public, and the press, has very greatly advanced the prospect of the more general introduction of school gardening.

Not that the subject has received much consideration from school authorities as yet, but that the time is ripe to press the importance of their doing so. Efforts in this direction now, and for a few years to come, will doubtless bring satisfactory results.

It is not my purpose to enter upon the details of conducting school gardens; we have not the time. Publications on the subject are sufficiently numerous to point out suitable plans for the adoption of those wishing to carry on the work. Courses of study have been prepared and employed with success over a wide range of territory, covering points extending from the Atlantic to the Pacific.

The progress of the movement is our subject, and the consideration of what should be done by our body to help the project along should receive our attention. That some of our universities are providing courses to prepare teachers for the work is a matter of great satisfaction, and if our society and the individual members will keep in touch with the movement and exert a proper influence, good results will certainly follow. The success attained in nature study and manual training affords our greatest encouragement.

School gardening, to a great extent, will proceed on similar lines. The good effects on pupils, when school gardens become more common, will be seen and felt somewhat in the same way. There is no doubt as to the interest taken by children in the growth of plants under their care. No subject can be made more interesting to the child. The lessons under the qualified teacher, while bringing out many of the wonders of nature, and the arts of assisting nature, afford some of the best means of developing the child. I should not fail to speak of this. I regard it as the most important fact in connection with the subject.

The development of the child in right thinking and acting is paramount to all else. To lead the child over delightful paths of recreation to the highways of permanent usefulness and happiness is an aim worthy of our best efforts. In this view we all agree; and it would be a waste of time to argue the point.

But I ought to mention some of the more striking benefits to come to children and to communities from development on these lines. First, I will mention the importance of diverting children from influences and associations common to all communities, especially large cities; the advantage of counteracting the tendency of young people to flock to the cities for employment and amusement. A love of gardening and farming based on a knowledge of the principles and practice which brings success in these occupations, is probably one of the strongest influences which can be brought to bear to prevent congestion in cities, and consequent poverty among the laboring classes. The blessings of fresh air, sunlight and room, set against the evils of crowded tenements must appeal to the philanthropy which will provide means suitable for instruction



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Henry F. Michell Co., Philadelphia, Pa.

If it were not for the exhibitors from the City of Brotherly Love, the trade display at the annual conventions of the S. A. F. would lose much of its attractiveness, at least three of our largest institutions contributing from that city, as well as many other equally deserving although smaller concerns. Among the three largest exhibits from Philadelphia was that of the house of Henry F. Michell Co., who made a magnificent display of greenhouse requisites, as will be seen from the very fine reproduction of their stand shown herewith. Also on their table was to be seen L. Formosum and cold storage L. giganteum bulbs. This exhibit was tastefully arranged and, in fact, there appeared to be considerable rivalry between the seed houses as to which could set up the most attractive exhibit. Continual improvement from year to year in putting up exhibits can readily be noted by old timers, and it all makes for increased interest.

along these lines whenever and wherever the advisability of such action is properly presented. My attention has been called to the fact that seven families from a certain neighborhood of New York City were recently induced to move into the country as a result of the interest awakened in their children by attending the school garden in De Witt Clinton Park.

This garden is under the management of Mrs. Henry Parsons. It was my pleasure to visit it and see the excellent work done there by Mrs. Parsons and her assistants. I greatly enjoyed the sight of these boys and girls in their most enjoyable occupation. As I grasped what should be the influence upon their lives through their contact with the soil, their work, and the instruction, I felt that the business done on those three acres, more or less, well paid for all the cost in effort bestowed on it. As an object lesson of what can be accomplished by others it is doing a vast amount of good. That must be the justification for devoting such a valuable plot of ground, almost in the heart of the great city, to such use.

The books on schools have recently been published in New York City to which I wish to call attention. They were reviewed in the Newark (N. J.) Evening News, May 21, 1910. I will quote from this review some of the salient points made. "A strong plea for the institution of school gardens is made by Henry Griscom Parsons in the book, 'Children's Gardens for Pleasure, Health, and Education.' The author is secretary and practical adviser of the International Children's School Farm League, and director of the department of school gardens, New York University. Mrs. Henry Parsons, the author's mother, to whom the volume is dedicated, was the founder of the first children's school farm in New York City, and is prominent in the school farm movement.

He holds to his mother's viewpoint of the purpose of school gardens; that the main object of the gardens is to foster the growth of children rather than merely to grow plants. This new viewpoint is vitalizing the work. "It has given it," says Mr. Parsons, "a reason for more general use than it ever had before and wherever children are being educated the possibility of having a garden is now being considered.' During the past few years, such gardens have rapidly increased in number, and from now on they are destined to play an important part in the education of children."

The author in presenting the advantages of the school garden insists, among other things, that in it the child is taught by nature economy and thrift, and that he is in a healthy environment and absorbs lessons making for the health of the individual and the community; and that he gains knowledge of food value, and his happiness is enhanced by congenial work under skillful direction. The book is published by the Sturges and Walton Co., 31 E. 27th st., New York, at $1.

Dr. M. Louise Green is the author of an extremely interesting volume in the 'Russell Sage Foundation' series. The author describes the evolution of the school garden, pointing out its many advantages and possibilities, not the least of which is the effect on the child's character. The activities of school garden work are natural to the child and give much needed respite from school restraint.

This book comes from the Charities Publication Committee, 105 E. 22d st., price $1.25. Both of these books are copiously illustrated by photographic views of the work being done in many communities and institutions, and they contain specific directions for conducting different kinds of school gardens.

Both books were copyrighted in 1910. I am in no way financially interested in these books, but I own a copy of each, and I think everyone before me today should read the books at the very first opportunity.

Another valuable source of information on the subject can be obtained by communicating with the University of California, College of Agriculture, Berkeley, Cal. Ask for Circular No. 46, containing suggestions in Garden Work in California Schools, by Ernest B. Babcock. This circular contains in addition a list of the publications, bulletins and circulars of the Agricultural Station of the university, 45 in all, any of which will be sent on application.

Every man, every woman, every child, should have a garden. The size and character depending on the individual, and the space at hand.

A flower pot, a window box, a small backyard may have to suffice in a city where nothing better can be had. Any place without some suitable spot for the growth of plants, shrubbery or trees, is unsuitable for human habitation.

The pleasures and the profits, the companionships elevating to body and mind, tend to restrain from all that might demoralize.

A lover of good books and a good garden is not likely to go far astray. He will live in and enjoy a beautiful world.

James Dean of Brooklyn, N. Y., said he had been pleased in passing through Brooklyn and New York to see how the windows were decorated with individual plants, groups of plants and boxes. It showed that the movement was in the right direction and that the paper read that night would advance it.

F. R. Pierson said: "This is a subject I am much interested in. I believe the movement is in the right direction. I think if it is kept up in some practical form, so that the schools in different cities could assist in it, it would be a good thing. The force of educational movement in this country is principally under the old idea that every boy is to be a minister, lawyer or doctor. As I understand it, 95% of the children attending public schools never go to college. We are training the boys along lines that perhaps can never be any good to the greatest number. I believe that while this school garden question is in its infancy, it is something this Society should encourage to the greatest extent."

On motion of Otto Thilow, a vote of thanks was passed to Mr. Du Rie for his interesting paper.

Benjamin Hammond, chairman of the committee on school gardens, then presented the report of his committee as follows:

Report of the Committee on School Gardens

At the annual convention of 1908, held at Niagara Falls, the subject of "School Gardens as a General Economic Movement" was admirably presented by the late E. V. Hallock, Prof. L. C. Corbett and F. R. Pierson.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

James Vick's Sons, Rochester, N. Y.

This progressive firm, as might naturally be expected, made a wonderful display of vases of Asters, for which it is so noted, and a full description of which will be found on pages 328 and 329, issue of Aug. 20. The great attraction in this exhibit was a sign 30 ft. long and 3 ft. high, made of white and purple Asters, the background being of white, and lettering, "Vick, Rochester," of purple. This sign was repeated on both sides of the table, and one can see it took no small amount of flowers. Additionally, there was shown in this exhibit a great store of Summer-flowering plants, mainly annuals. The firm also had a very attractive display of Gladioli.

This movement is of far reaching extent, is one of practical economic value, and is of greater importance than at first might appear.

At the meeting of the executive board of the S. A. F. and O. H. held at the beginning of this year the following committee was appointed: B. Hammond, A. T. De La Mare, Prof. John F. Cowell, H. B. Howard, W. B. Du Rie and Jos. Heacock. Just what was expected to be done no one knew. So a careful effort was made to find out from all parts of the United States and Canada how far the plan of teaching gardening in the public schools or otherwise was being carried. To give more than a summary of what we found would make this report too voluminous, therefore I give a brief synopsis trending in a useful direction, which is of a business interest to every florist. These examples of what is being done are taken from sources far and wide.

In one School District in the town of Fishkill, N. Y., is a "Home Garden Brigade," which this year numbers 111 girls and boys, all attending the public school. The president of the Board of Education has put at the disposal of this committee a number of prizes, and the result is a visible increase in general ornamental door yards.

At Barrytown, N. Y., the principal of the public school, Mr. W. L. Wildey, after school hours has personally superintended the cultivation of a good-sized piece of ground, which is divided into small plots and assigned to the pupils.

At Poughkeepsie, N. Y., a section of Eastman Park was set off for school gardens, and under the direction of the school authorities, and with the earnest support of a number of energetic women, much interest in the work ensued.

Fremont, Neb., reports: "In all our schools we have gone to considerable expense in decorative gardening. The effect is the improvement of the æsthetic taste of the scholars and this, of course, is reflected upon the homes. We have seven schools so decorated."

Cincinnati, O., reports: "Little artistic work thus far in Cincinnati, lots are too small, but landscape work has been done at Avondale, Clifton and Westwood. There is, however, at Douglas, a fine school garden, and window gardening is carried on in the new schools. School and home gardens should be officially encouraged. The civic department of the Woman's Club has done some work in the direction of children's gardening. Mrs. Geo. W. Kerper and her co-workers have addressed teachers, principals and mothers' clubs; they have also employed a supervising gardener who made 1922 visits last year. The home gardens as a whole were a phenomenal success; the principals and teachers did very much to bring this about."

In Cleveland, O., under the splendid guidance of Miss Louise Klein Miller and others the home garden work and the training garden work are worthy of emulation. Gardens are established there in twelve schools and in four vacant lots, and some specializing is done by having two kitchen gardens, two formal flower gardens, two nurseries for trees and shrubs, and one botanic garden. Last year the school authorities distributed over 400,000 packets of seeds through schools and organizations outside of Cleveland. In the Detention Home School more than eleven hundred boys have worked in the garden during two years.

Houston, Tex., reports: "In several of the schools last year school gardens were started. We did not carry the work on in any elaborate or formal manner; however, we found profitable results as far as we went. It's a beginning of a movement which is likely to grow."

Los Angeles, Cal., reports: "This is a garden city, a city of Roses. Each and every homesteader feels it incumbent on him to keep up his home surroundings; our children are thus naturally trained in the cultivation of things useful and beautiful."

Birmingham, Ala., reports: "The only specific work that has been done in this city in the school gardens has been in connection with the public schools for negro children. Several negro schools have attached to them school gardens, wherein the children, by classes, have been assigned plots of ground for work under the instruction of a skilled agriculturist."

Providence, R. I., reports: "Last year eight gardens were started and six were well maintained during the whole season. We have a model school garden of some three acres in Roger Williams Park; this is divided into 72 gardens, 9x22 ft. In addition to garden work with us, the pupils studied birds, insects, trees and wild flowers."

New Bedford, Mass., reports: "Gardening goes beyond school gardening, and the slogan of the city is 'New Bedford and Beautiful City.'"

Springfield, Mass., reports: "For several years we have carried on school garden work which has varied much in character. In each primary school where it has been possible to have sufficient ground we have had work which we speak of as demonstration gardening."

The people of Worcester, Mass., owe very much to Adin A. Hixon, who for years has done remarkable work in educating children in gardening. In that city a certain practical work is being done at a place called "Garden City"; this was the old city dumping ground and was reclaimed. The report from the city police is that "This garden work has reduced juvenile crime in this district over 50%." The Worcester Horticultural Society has been a prime factor in home gardening throughout Worcester County.

In Boston, Mass., the Mass. Hort. Soc. has exerted its influence over all the eastern part of the State. At Bridgewater when school gardens were started some people freely expressed themselves as skeptical of the "fad," but the work has grown until it is part of the industrial movement which is connecting school studies with the problems of real life. At Waltham, the Home Garden Association started its work in 1905. The annual entries by the children exceed a thousand. In the city of Boston, it is reported from the Washington Allston School District, "Great interest is manifested by the pupils. We shall succeed in making this a line of activity of educational and industrial value. We have between forty and fifty beds planted and cared for by as many boys."

In Pennsylvania, Philadelphia of course is a leader, situated as it is in the best cultivated section of America, and dominated by the best cultivators in the world, the Quakers and old German stock. Miss Stella Nathan says: "All our gardens are under the direct control of the Board of Public Education and the work is under the direction of a supervisor. We have school gardens, Kindergarten gardens, home gardens and school yard improvement. The Kindergarten gardens are small gardens, varying in size from 2x10 ft. to 30x50 ft. We have 35 Kindergarten gardens, and these were kept in good condition during Summer by some of the larger boys. Of the school gardens proper we have eight. Any lot which we can secure within four squares of a public school we take. All through the Summer the hospitals are supplied with flowers from our gardens, and we have a special garden for feeble minded children. We are running about 3500 of home gardens. Many incidents occur in this work which tend to prove that all mankind is kin. It is not only in poor homes that we encourage gardening. In many of our middle class homes there are yards but no gardens, and many of our home gardens consist of a box full of flowers out of a third story back window. But in just such box and place lies a mighty impulse and aspiration for better things and conditions." Erie says: "Nothing is being done by the Board of Education, but this work is carried on under the direction of the Woman's Club." Harrisburg reports that the



A Gladiolus Trophy

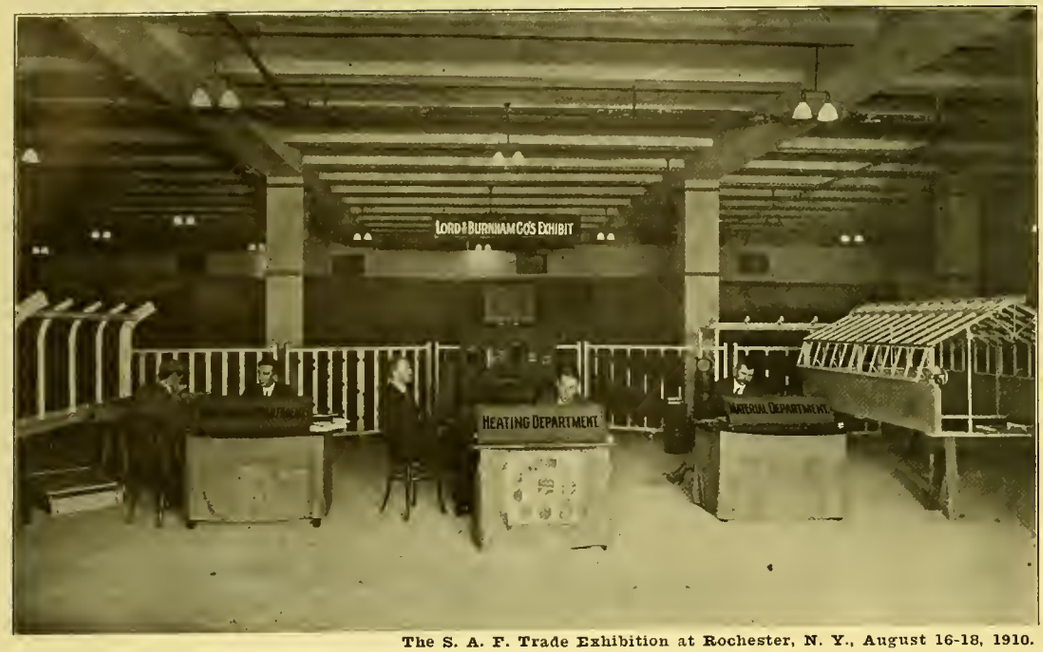
We reproduce herewith the cup presented by Geo. B. Hart, wholesale florist of Rochester, N. Y., for the largest exhibit of standard varieties of Gladioli at the American Gladiolus Society's show that week. It was captured by John Lewis Childs of Floral Park, N. Y.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

John Lewis Childs, Floral Park and Flowerfield (L. I.,) N. Y.

Quite naturally, on account of their being in season, and again for the reason that they were the subject of an exhibition at Rochester, the Gladioli in the trade exhibit figured very largely; it was no surprise, therefore, that the John Lewis Childs' was one of the grandest exhibits ever staged. A full description of the varieties shown was printed in full on page 327, issue of Aug. 20. At the exhibition of the American Gladiolus Society, which was entirely a separate feature from the trade exhibit, Mr. Childs was awarded the cup offered by Geo. B. Hart of Rochester for the largest exhibit of standard varieties of Gladioli; this trophy is also shown in our present number.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Lord & Burnham Co., New York

The Lord & Burnham firm were unable to secure space enough to do justice to their exhibit on the main floor of Convention Hall at Rochester and so put it up in the basement. It was flanked on the left by a part section of their improved curved eave house with its combination cast iron gutter and sill, to the latter of which was attached their indestructible cast iron bench. On the right was a most interesting and convincing model of the pipe frame house, 9 ft. long and 5 ft. wide, a faithful reproduction in every way even to the concrete sides. Forming the rear boundary were five frames, mounted with a very extensive array of pipe hooks, hangers and brackets. No such complete line of heating fittings, we believe, have ever been shown before.

superintendent of schools apparently takes no interest but refers such work to the Civic Club under whose initiative quite extensive gardens are maintained. Pittsburgh reports there is being done work of a most commendable character. The Pittsburgh Playground Association reports work in conjunction with the schools of the city, and says: "We have about five acres divided into plots 6 by 12 ft., and 700 children work these. Then there is the Kindergarten work—three plots in which whole classes are interested." Williamsport says: "Considerable has been done to advance home gardening among school children. This is not a closely built city, and a large proportion of the children have gardens at their own homes."

Minneapolis, Minn., reports: "At present we are conducting three school gardens, two of which are in school yards, and one is in a park adjacent to a school yard."

Cairo, Ill., reports: "We have taken up the garden work this Spring for the first time in the history of our school system. Every school has its flower garden, each room its separate plot, the children and teachers competing with one another for the prettiest and best."

At Rockford, Ill., the County superintendents of schools has been very active in stirring up the managements of rural schools in the direction of teaching gardening, and has had commendable success. The country school districts are usually more neglected than in cities or large villages.

In Chicago the school authorities encourage the development of school gardens, but the success of this depends greatly upon the interest which is taken in the individual schools. Some are doing remarkably well and much good has resulted among the homes of the district. In some districts prizes have been given to the pupils who showed the best results in improving home surroundings through floriculture.

Ionia, Mich., reports: "We have had about 225 gardens each year, out of a total enrollment of, approximately, 800 pupils." Grand Rapids, Mich., the city of well-kept homes, has done a good deal of work in this line. This year 12 schools had school gardens.

Detroit is a city where home gardening is regarded as a necessity if a family would be classed as respectable, hence children are probably far better trained generally in this work than in most other cities.

Hartford, Conn., and New Haven, make full and interesting reports.

Newark, N. J., says: "This year we have in this city two school gardens, both of which have been in operation for several years."

At Albany, N. Y., five school gardens have been maintained for several years. Three of them have been very successful, while the others have not, owing to unfavorable local conditions in the Spring and early Summer. Binghamton, N. Y., says: "We have one school garden. It is our first experiment with the work, and thus far there has been marked interest." Schenectady, N. Y., reports: "We have been interested in school gardens for three years." Fredonia, N. Y., says: "We have quite a large garden on the grounds of our Westhill school, with 15 sections, well cared for by the boys and girls, who take great pride in it. As soon as our Eagle st. school is ready, we shall have a garden there."

From Jamestown, N. Y., we hear: "We have given some attention to this work in two of our grade schools, especially to the raising of vegetables. In one school the children sold nearly $10 worth of Potatoes and the money was used to buy pictures for the walls of the school. At most of our schools flowers are cultivated and the children participate in this to a greater or less extent."

No city has the population crowded upon a square mile to the extent that the metropolis of America, New York City, has; nowhere is a square foot of land more costly, and to have gardens! What a luxury! Yet here on Manhattan Island the most thorough work is being done in this line, interesting children by the thousands. We find here the Children's School Farm, in De Witt Clinton Park, 54th st. and 11th ave, a space 250x135 ft., affording pleasure and profit to 2500 children and adults. There are community plots for 100 cripples; community plots for 4 kindergartens; an experimental plot for one high school class, and nature study material furnished to 150 public schools. The garden in De Witt Clinton Park, suported by the city, is not only for strong and healthy children, but for crippled and ailing ones. In the adjoining city of Yonkers is the Fairview Gardens, supported by private subscription, with 300 plots, 10x20 ft. The International Children's School Farm League is doing a work of immense value.

This report may be lengthy, nevertheless it is but a brief synopsis of a great mass of material which your committee has gathered together bearing on this subject of school gardening. This is a work which has come to stay, but just how the Society of American Florists, as a body, can aid, remains to be seen. Certainly school gardening may be advocated in every town where a florist is located—this man or woman may properly exert to advantage personal influence to promote both home garden brigades and school gardens at the public schools.

It will be seen from the foregoing reports, embracing the length and breadth of the country, that the school garden idea is growing, and we believe the growth is healthy even if it seems somewhat slow. The educational value of this work is two-fold; it is of great practical value in teaching the children the rights of property as well as explaining life and its mysteries, and the mutual relation of all living things.

It has been remarked by careful observers that the children who have been interested in these gardens are much less prone to invade the gardens of others than they were before they became growers themselves. The movement has brought to many a child of the congested areas of our cities a hint of Nature. It has shown them the difference between the sordid surroundings of the overcrowded Ghetto and the free country. It has given them some idea of how food is produced, and what sort of things flowers grow on.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Hitchings & Co., New York

One side of the house shown in background was equipped with an ice-clearing eave plate; the other side showed the Hitchings improved curved eave construction as adapted for commercial work. In the rear was a long run of side ventilating apparatus which works on the push and pull principle; the shaft slides doing away with all twisty motion; one gear will operate 300 ft. and close each sash equally at every joint. It is an invention of Wm. Selton, manager of the company. L. B. Coddington installed this apparatus in both his new houses at Murray Hill, N. J., and operates 250 ft. on a run..

In view of the many obvious benefits which are shown, it would seem that this Society should continue its efforts to promote the growth of this movement, and that its members, individually, should endeavor to give all the assistance they can to those who are in charge of school gardening, and we would recommend that the Society go on record, formally, as endorsing the movement and pledging its hearty co-operation.

W. C. Barry of Rochester, at the conclusion of the reading of the report said: "I think the school garden question an important one for the florists of this country to consider; and it is important for them to adopt measures by which the object can be promoted. I think the florists can aid and develop a taste for flowers and trees. Efforts along this line will benefit them not only from a financial standpoint, but it will place the whole business on a higher plane. I have gone, as you know, into different parts of this country and have seen the schoolhouses and the schoolyards totally neglected. Is there any reason for such a condition, with all the nurserymen and florists throughout this land? I say conditions are there because you and I do not take sufficient interest in the matter. Just think of the schoolhouse on a barren piece of ground, sometimes with just a flagpole and that is all! Think of having American children go to a school like that! Their attendance there is not due merely to the idea of learning to read, to write, to spell or to cipher; there is a good deal more than that for every man and woman in this land, and our business appeals to everybody. We, ourselves, must have the necessary taste to begin with. If the children do not acquire a taste for trees, plants and flowers, they will not become men and women with a taste, and it is in the schools themselves this taste should be fostered and cultivated. What shall the florists do in this matter? They can afford to offer their services gratuitously, to make these schoolyards attractive. If you will take this matter up in earnest and will make these schoolyards what they should be, you will have done a good thing for this whole country—something that will endure for the benefit of us all. Just think of it! A teacher going into the schoolroom the year round and not a bouquet on the table, when even the neighboring woods are provided with cheap flowers. Now, it is up to us and every florist to do his or her share to promote this movement, and we can do a little every year. We can plant shrubs, trees or any of the ordinary bedding plants and make every school garden something that will attract the eyes of the people traveling through the different sections, instead of allowing them to remain as eye-sores, as they are mostly today."

Mr. Thilow said: "I do not think we could measure up the amount of encouragement we could give to those teachers if this Society would endorse this wonderful movement."

The report of the committee was, on motion, received and ordered filed.

President Pierson announced his appointment of the following as delegates to the second National Conservation Congress, to be held at St. Paul, Sept. 5-10, 1910: J. C. Vaughan, Chicago; H. C. Irish, St. Louis; P. Holm, St. Paul; H. E. Philpott, Winnipeg.

A letter from Robert Kift of Philadelphia was read, suggesting that the Society recognize the efforts of Miss Jarvis in the promotion of Mother's Day, when so many Carnations were used. Acting upon this suggestion, William R. Smith offered the following resolution, which was passed unanimously:

Whereas, the founder of "Mother's Day," Miss Anna Jarvis of Philadelphia, has, through her untiring efforts in corresponding with governors of States, mayors of cities, and hundreds of churches and other ogranizations throughout the land, succeeded in making the observance of this memorial day almost national,

Be it Resolved, That the Society of American Florists take cognizance of the unselfish efforts of this lady toward promoting veneration for the mothers of America, and do hereby render her this our public recognition.

A paper, by W. N. Rudd, on "The Value of Experiment Stations to Horticulture" was then read by Sec. H. B. Dorner, which paper was given in full in the last issue of the EXCHANGE.

Then came preparations for a proceeding known to every person at the convention except, perhaps, one. E. G. Hill startled everybody with a question which he said he had been requested by a lady to put before the meeting: "Were there any Cacti growing in the Garden of Eden?" Surprise and laughter followed the putting of this question. One gentleman attempted to solve it, and hit upon it in a gallant manner, but his efforts only increased the amusement. Then Mr. Hill launched out into a eulogy of President Pierson, neglecting nothing that would tend to furnish a full and complete estimate of the proper value of Mr. Pierson to the Society; referring, in a joking way, to his stature, he pointed out that Mr. Pierson was measured from the chin upward, and not as other men were. Addressing Mr. Pierson directly he said: "On behalf of your friends in the S. A. F. and O. H., I wish to present you with this handsome case of silver, which we hope you will share with Mrs. Pierson, and perhaps at some time some of us will be around Tarrytown to show you how to use the articles contained in it."

Mr. Pierson, considerably affected, in accepting the gift said: "I did not think I occupied so large a place in your hearts. Since many years ago I have valued friendships made in this Society, and as the years grow such friendships are and will be very dear to me. I value this testimonial particularly at this time. I have the interests of the Society closely at heart, and I can assure you I will do the best within my power. My appreciation of this expression of your good-will is more than can be demonstrated in mere words. Through the rest of my life I will try and show what I can accomplish in the best interests of the Society." The applause following the presentation was deafening.

The report of the botanist not having been read, the same was ordered to be printed in the proceedings.

Walter F. Sheridan, chairman of the committee on final resolutions, presented the resolutions prepared by his committee, which showed the Society's appreciation of the splendid welcome received, and recognition of the pains taken to make the stay of the delegates comfortable and enjoyable, and returned thanks for the splendid facilities afforded the Society for its meetings and exhibition. They also expressed thanks to the Rochester Florists' Association, the Chamber of Commerce, the Ladies' Committee, Mayor Edgerton and all who had helped to make the convention the success it had been.

The convention then adjourned.



The S. A. F. Trade Exhibition at Rochester N. Y., August 16-18, 1910.

Display of Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Mr. Cowee has been a constant exhibitor at the S. A. F. trade exhibitions for many years past and has always put up a good exhibit. This particular one, however, outclassed all its predecessors for diversity of color and number of varieties shown. Our picture shows but one-half of the display, but is the best ever taken of a Gladiolus exhibit at an S. A. F. Convention.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

The picture on the left shows exhibit of the WILSON-HOYT COMPANY'S (New York) concrete bench, for which several large orders have recently been taken. On page 329 will be found a write-up of their interesting and varied display. * * * Next, to the right, will be seen the exhibit of the STORRS & HARRISON COMPANY of Painesville, O. * * * In the right-hand picture, under the windows against the wall is a view of the ELLWANGER & BARRY (Rochester) exhibit, described on page 327, issue of Aug. 20. * * * In the foreground is that of the SRAW FERN COMPANY of Pittsfield, Mass., described on page 328, issue of Aug. 20. * * * Back of this latter is shown the new Fern, Nephrolepis Dreyeri of KESSLER BROS., New York, and G. DREYER, Elmhurst, L. I. See page 327, issue of Aug. 20.

Concrete in Greenhouse Construction

A paper read before the convention of the S. A. F. and O. H. at Rochester, N. Y., Aug. 17, 1910, by Edward D. Boyer, cement expert of the Atlas Portland Cement Company, New York City.

The use of Portland cement concrete has become almost universal, and the knowledge of its value has been so thoroughly disseminated that a paper on the subject today is very apt to be filled with repetitions and contain very little that is new, or of interest to the listener. I had hoped to present to you lantern slides of our valued collection of photographs of greenhouse construction, as I believe I could more successfully entertain you in this manner than any other, but in this I was disappointed, and I, therefore, beg your indulgence while for a few minutes I endeavor to give you the reasons why concrete in greenhouse construction is so eminently superior to any other material.

Concrete has won its position as the building material of the future entirely on its merit. Whether in monolith, in reinforced, in stucco or any of its varied forms it is entirely fireproof, absolutely vermin and frost proof, never requires repairs and saves fuel, as it retains heat and keeps out cold. To my mind, its value as a material for the construction of little and useful things is mostly from the fact that it is plastic and easily worked, lending itself to practically any design.

Concrete is a mixture of cement, sand, and gravel or crushed stone in varied proportions, depending only upon the strength desired, which, when mixed with water and placed to remain undisturbed, hardens into permanent stone. Good concrete does not alone depend on the cement, it is also necessary to have good sand and gravel, and by good sand and gravel I mean material free from clay, loam or vegetable matter; in other words, it should be perfectly clean. As a safeguard I consider it always well to wash these aggregates. Sand alone with cement makes good concrete, providing the sand is a graded one, that is, from fine to coarse; and where the work is not thick, as in bench or table construction, I should consider the cement and sand mixture the best, for with the fine aggregate you are less liable to have voids in the finished work. For this class of work and for floors of greenhouses, where the latter need not be over three inches in thickness, a one to three mixture will prove generally satisfactory. In foundation work, or in the moulding of hotbed frames, a regular concrete can be used, composed of one part of Portland cement, two and one-half parts of sand, and five parts of screened gravel or crushed stone. Cinders from hard coal ash can be also used in the place of gravel or stone, but the cinders should be thoroughly washed and as free as possible from particles of unburned coal. All concrete for form work should be placed wet and spaded or puddled into place.

It is very difficult in a paper of this character to specialize, as every one of you have different problems, particularly of design, confronting you or in contemplation, and I, therefore, feel that I can only cover the subject in a general way and outline the general rules for the use of concrete in construction such as you are engaged in.

In greenhouse construction concrete is particularly adaptable, especially in the interior, where the constant use of water tends to the very rapid decay of wood; where wood is used, as, for instance, in the tables or benches that contain moist earth, it is short lived and in constant need of repair. Concrete when once placed never needs repair. Water, instead of damaging, improves it and the unsightliness of rotten side-boards is entirely eliminated; and the uniformity of all cement work lends to the general appearance and proper upkeep.

The usual foundation for a greenhouse building need not be over 10 in. broad and only deep enough to be below the frost line which, of course, varies in different sections of the country, and this concrete, as stated before, should be a one cement, two and one-half sand and five gravel or stone mixture. We will take as an example the house described in The Atlas Portland Cement Company's book "Concrete Construction about the Home and on the Farm," which is assumed to be a total width of 16 ft. The ridge pole should be 6 in. wide by 8 in. deep, of the same proportions of concrete as above, reinforced with two ½ in. steel bars. The beams should be 2½ in. by 5 in., extending from ridge pole to side wall and reinforced with ½ in. steel bar, which will be sufficiently strong to support the sashes. The side walls can be 7 in. thick to the height required; 8-in. square posts, reinforced with four ½ in. bars, one in each corner, placed at 10 ft. intervals will support the ridge pole.

The concrete greenhouse, pictured in the book referred to, at Westwood, N. J., and of which I have a photograph here, is of this construction, and, as you will note, has no wood to decay or burn in its entire construction. The concrete in this instance is not particularly pleasing, from the fact that care was not exercised in spading the wet concrete against the outside of the forms, and through not remedying this with a mortar plaster after the forms had been removed.

The tables can be made in one member by casting in one continuous piece of concrete, or they can be constructed in parts. There is no particular advantage in one over the other, although the former is probably the cheaper. When cast in one piece, 2½ in. is the proper thickness, and various concrete mixtures can be used for the purpose; taking cost into consideration, the mixture would depend on the available aggregates.

As previously stated, my preference for this work would be a one cement, three graded sand mixture; but a one cement, two sand and four cinders, if properly reinforced with wire fabric or ¼ in. rods about 6 in. apart, would serve the purpose, although more difficult for the unskilled to place, and not as dense as the cement and sand mixture. The tables should have holes or slots at the bottom to facilitate the drainage of the water. In the cases where separately molded slabs are used, the cracks between the slabs will supply sufficient drainage.

Greenhouse trays for supplying the necessary amount of moisture required are most satisfactory if constructed of concrete, as they also will not rot or shrink when they become dry, and need no attention but to be kept filled. They can also be easily made an attractive and decorative feature of the greenhouse. These trays can be made like the slabs for the tables, only that they should be brushed on the inner surface with a layer of pure cement mixed to a consistency of cream, immediately after the forms are removed.

Concrete coldframes or hotbed frames are also the most desirable, again because they will not rot like wood, and are absolutely permanent. These walls need not be over 4 in. thick, with 3 in. division walls for the window rests, and can be composed of the same concrete mixture as for outside walls. All these foundations should be carried below the frost line.

Concrete lends itself to decorative purposes very admirably, and concrete veranda boxes for flowers and vases are very frequently seen now, not only on stone or cement houses, but also on frame. They, too, need not be renewed every year or two, but will last forever.

In conclusion I wish to reiterate that concrete for the particular work in which the majority of you are interested is the ideal material, and when you once familiarize yourselves with its use you will adopt it in all your construction work.

Discussion

J. A. PETERSON: I believe I have had a little experience in greenhouse construction. I notice what Mr. Boyer said about the use of gravel and sand in concrete mixtures. We have used nothing but coal ashes, and our walls have been up two years and there is no cracking whatever noticeable. A cement bench would be entirely water-tight, a quality we do not want. I have seen benches with holes in them for drainage, but the water doesn't pass through very well. We use one part cement to seven in coke screenings—no sand whatever—and water goes through like a sieve.

MR. BOYER: In the first place, I have no objection to coal ashes at all. I believe in coal screenings—hard burned coal—not fine ashes, because in them there is free lime which will disintegrate your cement; but in your case, where you make your material so weak, your whole bench acting as a sieve, I am afraid I must predict



Geo. B. Hart, Rochester, N. Y.

Our portrait is that of Mr. George B. Hart, the wholesale florist of Rochester, N. Y., a gentleman who devoted considerable time to the convention, as well as to the wants of scores of individual delegates who, all of them, found him most genial and exceedingly helpful. Mr. Hart's store at 24 Stone st. is one of the busy florist institutions of the city of Rochester and shows every indication of doing a thriving business. In another column we illustrate the silver cup presented by Mr. Hart for the largest exhibit of standard varieties of Gladioli at the Am. Gladiolus Society's meeting, which was won by John Lewis Childs of Floral Park, N. Y.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Exhibit of H. Bayersdorfer & Co., Philadelphia, Pa.

Our view embraces but a portion of the magnificent exhibition made by this enterprising florists' supply house, a description of which appeared on page 327, issue of Aug. 20. Noted for its great displays on such occasions this firm at Rochester, last week, excelled all previous efforts, and their superiority in their line was fully attested by the wonderful range of florists' material there shown. The exhibit commanded universal attention and numerous were the encomiums passed upon it.

that it will not last forever, as concrete benches should. The water will eventually leach out the cement, and in the course of a few years the cement will crumble away. That may be all right. My recommendation on these concrete benches I really do not know anything about the service required of them, although it is my idea that you want a bench that will not decay, and that you must have a bench which will drain is a dense mixture, rich in cement, not holes, such as you have in your seven-to-one mixture; then you will have a more permanent structure in every way.

MR. PETERSON: I have benches made of a mixture of one part cement to four of sand and fine ashes, but we found this unsatisfactory—the water would not drain through quick enough. Why should cement, after being properly mixed or bound together, wash out?

MR. BOYER: I do not think you would be interested in a chemical discussion, which you are driving me into. You will notice, in walls, for instance, white streaks in the concrete; they are caused by the water draining through and forcing out the lime and other constituents. Cement does not become permanently hard for at least seven years. When you get up against a side wall, or building a concrete house, permanency will not come before ten years. If you allow the water to drain through it, it could not last; although I see no reason why we should worry about it; it would last many, many times longer than the construction of wood.

MR. CUSHMAN: With regard to the mechanical part of mixing cement; I have used my ordinary help. The boys like to put water on the cement to puddle it before putting in the gravel. Is this right, or should it be mixed to the proper consistency?

MR. BOYER: Too much water is as bad as too little water. The way you suggest is wrong, for when you mix the sand with the cement, what floats away is the finest part of the cement. Mix your sand with your cement dry. Throw it over your gravel and put water on gradually until you have a mixture, say, not like cream, but more like the plaster used in plastering walls. Do not float away your cement, because you are losing the best part of your mixture.

W. A. CHRISTY: Would woven wire be good material for reinforcement?

MR. BOYER: Yes, it is excellent! Chicken wire, expanded metal laths, etc., are good.

W. PIERSON: Do you consider wire cloth as good as rods?

MR. BOYER: Yes, every bit.

MR. FARENWALD: I favor ashes, but find that chicken wire does not fasten well. Why is this so?

MR. BOYER: The question is answered easily sulphur in the coal attacks the wire. If you use ashes, wash them thoroughly before using, for then you wash away the sulphur and free lime. Avoid having any unburned coal in the ashes—you can easily pick it out; that coal also contains the sulphur. It is the sulphur which attacks.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

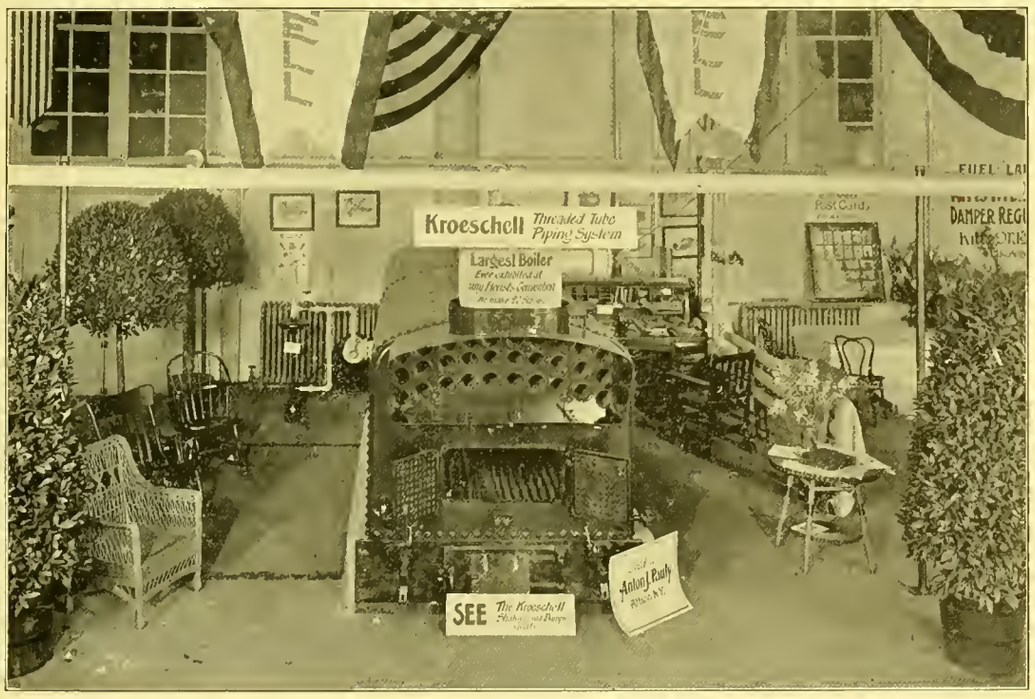
Stumpp & Walter Co., Seedsmen, New York City

This vigorous and enterprising firm made one of the finest displays of seasonable bulbs, insecticides and the thousand and one articles required by the florist in his daily work. As was noted on page 328, issue of Aug. 20, their showy display was not only remarkably full, but admirably set up, so much so that it was one of the most talked of and admired at Rochester. The aggregation and variety of florist's tools and requisites was one of the most complete ever seen at a trade exhibit, while the display of bulbs was as full as could be made.

MR. PETERSON: We are not using any wire construction in the walls and there are no defects in them today. The walls are four inches thick.

MR. BOYER: In using the wire in walls, first suspend the wire and fasten it; then pour your form.

MR. PETERSON: The first bench we made was one inch thick and in the mixture were two parts ashes and one part sand, and it appears to be strong enough to hold anything you want.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Kroeschell Bros. Company, Chicago, Ill.

We illustrate herewith the Kroeschell Boiler, 1910 model, Size 14, as it was set up on the floor of convention hall at Rochester last week from whence it was taken to Attica, N. Y., where it will be permanently erected on the range of Anton J. Pauly. The advantages of this boiler were set forth in our review of the exhibition, page 327, issue of Aug. 20, and its many valuable features described.

J. R. FREEMAN: I would like to ask what are the effects of lost heat in those walls. A four-inch wall for inside concrete work is quite a question.

MR. PETERSON: Where we want a water-tight wall, we use finely sifted ashes. No water goes through that.

MR. FREEMAN: We have used nothing but coal ashes from soft coal, and we built our walls eight inches thick. We have had them in use eight years and they are still good, no sign of cracking whatever. I do find, however, that even these thick walls get chilled through very easily in cold weather. Condensation on the walls has a bad effect on Roses, and I have an idea it causes mildew.

JOHN BIRNIE: One of my neighbors put in cement benches, but is throwing them out. He says he can take three crops out of wooden benches to one from the cement, therefore, he is throwing them out. What influence a cement bench has under heat or cold is a serious question. This gentleman claims a cement bench is too slow. There are potted plants in his houses and his business is commercial table Ferns.

MR. CUSHMAN: With regard to a comparison between the cement bench and the wooden bench, I would say that last Winter I was growing Lettuce on a cement bench and others on a wooden bench at the side of it, and I was able to cut the Lettuce from the cement bench a week earlier than from the wooden bench.

FRANK HOLTON: I have 20,000 ft. of cement benches, and have had some of them about four years. They were made with a mixture of four to one, and I have had good results, no trouble whatever.

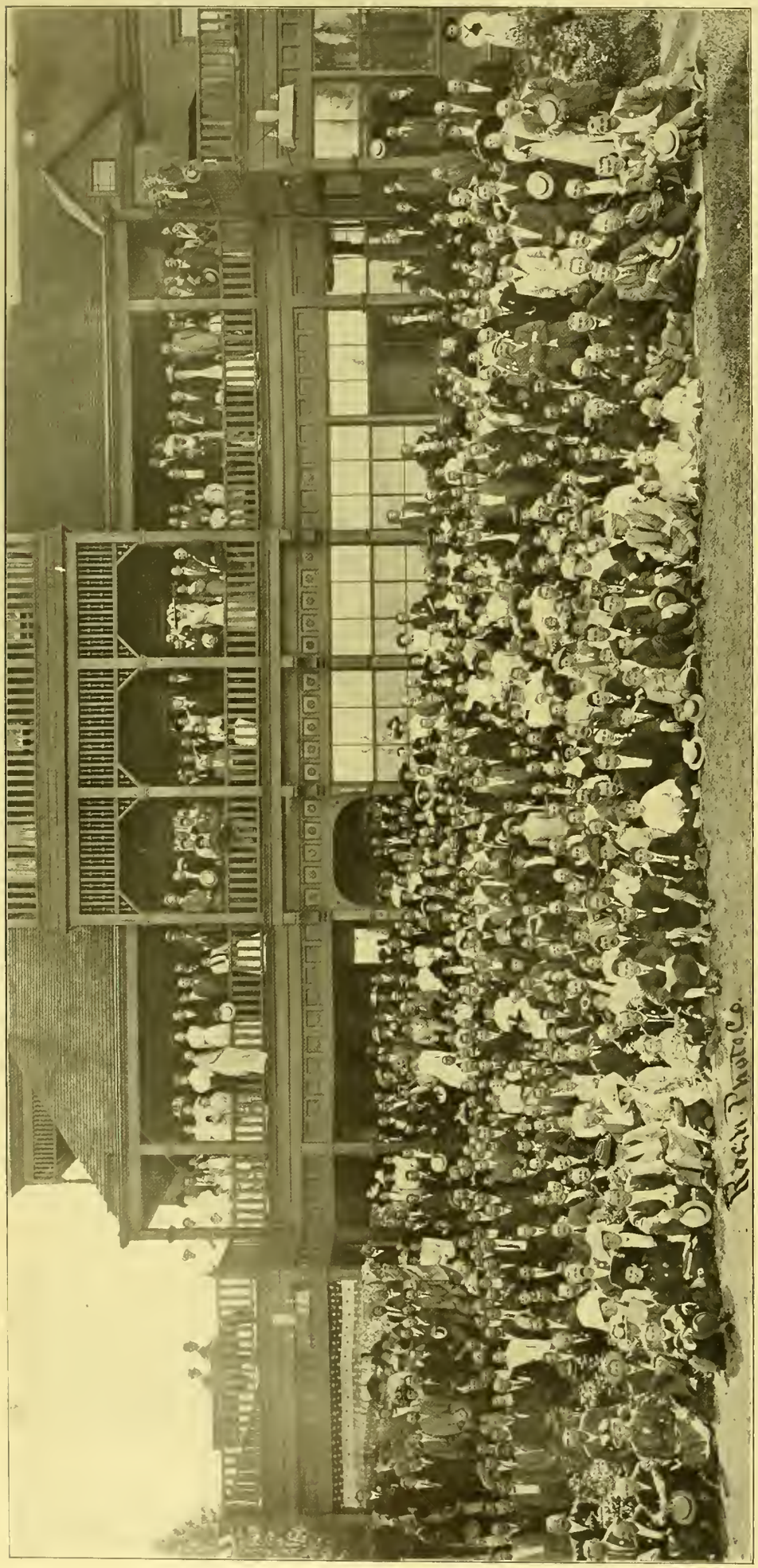
MR. BIRNIE: There is quite a difference between Lettuce and table Ferns. The man who grows Lettuce wants something with a cool bottom, but it is not the case with flowering or foliage plants.

MR. CUSHMAN: I would like to ask if Mr. Boyer can tell us whether cement will radiate heat more rapidly than boards. My impression is that it will and, therefore, the plants should get the benefit of the heat, naturally.

MR. HOLTON: In my benches I grow Carnations generally.

MR. CURTIS: We have been using soft coal ashes for two years and we are finding the mixture satisfactory. The sills of my walls are perfectly dry. They are away from the ground about eighteen inches and seem to last longer than when on posts.

MR. BOYER: I know that concrete is a non-conductor of heat, and I know what is needed, but just what effect this would have in your particular work I would not like to say. I believe the earth in the benches would have something to do with the distribution of the heat, but in the concrete I judge that the fact that it is cooler rather than warmer should not have any injurious effects; but that is a question for you; I do not know.



THE S. A. F. DELEGATES AT MANITOU BEACH ON THE AFTERNOON OF FRIDAY, AUG. 19, WHERE THEY WERE THE GUESTS OF THE ROCHESTER FLORISTS' ASSOCIATION. The trolley ride from Rochester to Charlotte and thence to Manitou Beach was a most interesting one, especially that portion which, right at the water's edge, took the visitors along the apparently limitless shores of Lake Ontario.

MR. FARENWALD: It is not a question of heat in a bench so much. In growing Roses, I find benches dry out faster when cement is used than when they are all wood. This can only be due to air going through better, in that way giving the water a chance to evaporate. I think cement is much superior to wood in solid benches, for Roses. I put cement benches in everywhere as soon as the wooden ones rot out.

S. M. PECK: I am thoroughly convinced of the value of cement; but is it a fungus breeder? I have been told that it is more liable to fungus; although I am using the concrete altogether in solid benches I have been somewhat frightened.

I. L. POWELL: I have been using cement benches for three years and there has been no sign of fungus. The benches are cleaner than wooden benches.

PROF. WHETZEL: I cannot see any reason for being afraid of fungus in cement benches. There is nothing for it to live on. The chances for fungus are much better with wood. Again, cement benches are very easily disinfected, even if they were subject to the trouble.

MR. WILBUR: I have had cement benches for five years and there has been no trouble.

R. E. BERRY: In the State of Massachusetts there are cement benches which have been in existence 33 years. I had charge of them for two years at the beginning of that time and I understand that up to now there has never been fungus noticed on them. There is a gentleman in this meeting now who has had charge of them since and he never saw any sign of fungus. He has assured me that in the 27 or 28 years since I had charge of these benches, fungus has never appeared. I have seen Adiantum Farleyense, etc., growing in these benches, and he has forced Lily of the Valley, but never a sign of fungus.

J. F. AMMANN: I believe a question that has not been brought out is the question of how much more water can be given plants on a wooden bench, or how much less. I am referring particularly to plants grown for cut flowers.

PRESIDENT PIERSON: I think we are wandering somewhat. Some of you are referring to tables and others to benches. We should say what we are using. I am using cement on the outside of my houses and we also use cement for the sides of our solid beds, instead of wood, and I have found cement advantageous. I think you should describe what you are using. One question in cement construction is that of expansion. I have been advised that in long houses some provision should be made for expansion. Again, in relation to the reinforcing, I believe you get more strength from reinforcements placed a half inch from the bottom of your form rather than when they are placed higher up.

MR. BOYER: You are right. In large constructions the reinforcement should be near the bottom, far enough to have protection from the elements, weather, etc. Regarding expansion, particularly on outside walls, where the walls are long or where they should be, say, 30 ft., expansion joints are rather necessary, especially if the walls are built in solid concrete without reinforcement. In such cases, you may get cracks through settling, but not so much through expansion. The effects of expansion are very small; cement and iron expand together in the same ratio.

MR. PIERSON: I know there has been some criticism in the matter, and expansion is a very vital question in continuous blocks of, say, up to 200 ft., where the temperature inside and outside have to be considered.

MR. BOYER: I think there should be some provision, but just what I cannot say now.

MR. FREEMAN: I do not think the expansion in concrete would be worth noticing.

E. G. HILL: We have walls 500 ft. long, made of concrete, and we have 2-in. pipe passing through the wall to hold the gutter, and wherever this passes through the wall, there is a slight crack. Just how to make allowance for this has been a puzzle to me. These slight cracks do not appear to be any detriment, and I have thought if there were some kind of cement paint available, with which one could paint the outside walls, it would be good to use.

MR. BOYER: There are a number of paints advertised for the purpose the gentleman mentions, but I believe that where walls are exposed on the outside a rich sand and cement mixture will prevent cracking better than any or all of the waterproof paints offered for sale. Mix one part cement to two parts sand, with one per cent. of lime, and use it; this should make walls impervious. Expansion in long walls should be taken care of. What is used for that purpose is pitch and asphalt, poured into one-quarter inch or one-half inch joints—that generally takes care of it.

AUGUST F. POEHLMANN: We have two or three kinds of cement benches, the Witthold, the Garland and others. As to the quality of stock grown on cement benches, we find no difference in the growth, whatever, between stock grown on cement and stock grown on wooden benches. The growing is uniform and the watering appears to us to be about the same.

A. L. Miller, of New York, inaugurated a system of wireless telegraphy with headquarters at the door of the meeting room, in order that the psychological moment for the introduction of Pres. Pierson's testimonial should not be lost.

American Gladiolus Society

The first annual meeting of the American Gladiolus Society was held at Rochester, N. Y., on Thursday, Aug. 18. The meeting was called to order by President I. S. Hendrickson at 10:30 a.m., and proceeded to business, as reported in last week's issue of the EXCHANGE. Secretary Gage read the minutes of the meeting of organization at Boston, which were approved and ordered to be placed on record. President Hendrickson then read his address, as follows:

As the American Gladiolus Society was organized less than three months ago, there is not much to report concerning the past, but the future is full of promise, and opportunity, if we seize it, for the signs of the times point to the ever increasing popularity of the Gladiolus. The Society was organized in Boston, on May 27, 1910, with about 75 members. It was arranged to hold the charter member list open until this August meeting, and through the activity of the members we have been able to increase the membership to 137, which we think is a very good showing, considering the fact that there is a multiplicity of kindred societies. The Gladiolus is deservedly popular, for where can we find any flower that will yield more real satisfaction, from every standpoint, whether handled by amateur or professional gardener, when wanted for garden decoration or church wedding? By the use of greenhouses and coldframes we now have blooms in the market from April until November. What flower will surpass the Gladiolus in keeping qualities after being cut? Perhaps the Orchid will rival it, but where we could have one vase of Orchids, we can have, say, ten or fifteen vases of Gladioli, and as for colors we certainly can find every tint, shade and hue imaginable, both in solid colors, and all colors combined, which indeed gives the Gladiolus a place as the "Orchid of the common people."

As to the Future of the Society

While the main object may be to stimulate interest in this glorious flower, it seems to me that one of the most important things we can do is to assist our nomenclature committee in testing, at the trial grounds so kindly offered by Cornell University, at Ithaca, all varieties now on the market, with a view to eliminating worthless and inferior sorts, reducing the number of named varieties to a reasonable number, preventing renaming of varieties as far as possible, and, where synonyms are discovered, establishing the original name. As there are some 2000 or 3000 varieties now listed, you can see the task is no easy one. I think if we can induce all growers to submit their supposedly new varieties to our Society for examination or trial, and secure our certificate of merit before offering any to the public we shall accomplish much, and reduce the multiplicity of varieties. The trade can assist very materially in this, if they will insist on the Society's approval of a variety before listing it in their catalogs. While it is true that the greater number of named varieties now on the market are listed in foreign catalogs, a condition which our Society, perhaps, cannot control, still, at the rate that the growers of America have produced seedlings during the last few years it will not be long before we shall rival the European growers, so it behooves us to take up the work in time.

It goes without saying that there are some very old varieties, that are now surpassed in beauty, that we shall not discard for a long time, if ever; for the reason that they are so well known the demand for them is very heavy. Take Ceres for instance, which at the time of its introduction was a real advance in whites. Although today there are white varieties far superior, the demand for Ceres, especially in Europe, is enormous, and as a cheap variety it is really satisfactory. The same is true of Isaac Buchanan, in the yellow section.

Our by-laws provide that we publish every three months a magazine called the "Progress of the Gladiolus." While I do not think we can give too much publicity to our favorite flower, I cannot see where we can get material enough for such frequent issues. However, I think it would be an excellent plan to issue a bulletin from time to time as opportunity presents and I would like to recommend that a committee be appointed to take this matter up, and also to act as a general press committee to secure as much publicity for the Gladiolus among periodicals as possible. I would also recommend that the Society offer a prize of $10 in gold for the best article by amateurs on "Gladioli," and $5 for the second best. The press committee should have this matter in charge and secure the publication of the article in as many papers as possible.

I would also recommend that the Society adopt a scale of points in judging new varieties, and issue certificates of merit for meritorius varieties; and I would suggest that the present exhibition committee be empowered to draw proper rules to govern the awarding of certificates. I am convinced, too, that if our Society could make some uniform offer to local horticultural societies for best exhibits of Gladioli at their shows much interest could be stimulated; and if our finances would allow, I certainly would recommend the offering of cups, medals or other valuable trophies, although I presume we shall have to limit ourselves to ribbons, etc., if we do anything at all in this line at the present. I also believe it might be advantageous for our Society to offer a cup for some special entry at our annual exhibition.

Another recommendation is that we call a meeting of our Society at the time of the National Flower Show to be held in Boston in March, 1911, and that our exhibition committee be empowered to solicit trophies for an exhibition of forced Gladioli, including the Colvillei type.

There are many things that could be planned for the advancement of our Society, and our pet flower, but I believe you will agree with me that all of our plans will come to naught if we do not put our shoulders to the wheel and do something; for, after all, the success or failure of any undertaking depends upon the *individual* efforts of those interested.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Robert Craig Co., Philadelphia, Pa.

Arranged along the wall was the magnificent display of the Robert Craig Co. of Philadelphia, consisting in great part of Crotons, of which 85 varieties were exhibited, and which was reinforced with a very full line of other decorative plants. The Croton exhibit was the largest ever made at any convention and, on this account, and because of the wonderful and diversified coloring of the plants, it became, naturally, the cynosure of all eyes. We regret very much that our artist failed in obtaining a good picture of this exhibit by itself.

Vick & Hill Co., Barnards, N. Y.

VICK & HILL CO., Barnards, N. Y. This house, famous for its productions in Aster seed, made a splendid display of Aster cut flowers, as will be noted from the reproduction herewith, well maintaining their very high reputation.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

In the picture on the left-hand side is shown one of the two exhibits of Carnation "Christmas Cheer" set up in the hall by its originator, HENRY EICHHOLZ, Waynesboro, Pa. * * * To the left of the picture may be seen an exhibition of the new fern, Nephrolepis Dreyeri, by KESSLER BROS. and G. DREYER. * * * The picture on the right is that of the exhibit of VAUGHAN'S SEED STORE, Chicago and New York, which, as described on page 328, issue of Aug. 20, was large and comprehensive, containing a full line of florists' seasonable forcing bulbs. Vaughan's Seed Store, we may add by the way, is one of the firms which has the distinction of having made an exhibit at every S. A. F. convention.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Exhibit of Henry A. Dreer, Inc., Philadelphia, Pa.

As reported on page 327, issue of Aug. 20, the exhibition of this great Philadelphia firm occupied an important position in the hall, and was most interesting. Our view does not do justice to their very beautiful display, which was one of the most extensive on the floor, inasmuch as it partook of the nature of their dual business as plantsmen and seedsmen and was exceedingly representative in both divisions.

Conard & Jones Co., West Grove, Pa.

To the right, in the same picture, is a portion of the display of this firm, the write-up of whose exhibit will also be found on page 327, issue of Aug. 20. Their lines of Roses and Shrubs shown had many inquiries. A feature was the self-watering window box which they have been handling for some seasons and which is rapidly taking a leading place as a household necessity, as well as for hotel and factory.

In closing, I wish to thank my associates in office for the splendid assistance rendered me in my attempt to act as your president, and as under the by-laws and constitution I hold office until the 1911 meeting, I must ask your further indulgence, and trust that I may have your undivided support in an effort to at least double our membership within the next year.

A discussion followed in which John Cavers of Oakville, Ont., E. E. Stewart of Rives Junction, Mich., J. C. Vaughan of Chicago, Arthur Cowee of Berlin, N. Y., Matthew Crawford of Cuyahoga Falls, O., and others took part. Ralph E. Cushman of Sylvania, O., moved that the recommendations of the president as made in his address be adopted and that the proper committees be appointed to carry them into effect, which motion was carried.

The financial secretary, H. Yonell, read his report, which was adopted and referred to the auditing committee. The report of the treasurer was received too late to be audited, but was referred to the auditing committee.

The membership committee reported favorably on a large number of applications for membership and it was voted that the names be placed on the membership list.

The report of H. C. Yonell, chairman of the Exhibition Committee, was read and adopted. The report of Prof. Judson, chairman of the committee of awards, was presented and accepted, and the committee was given a vote of thanks for its able and efficient work. Papers by Maurice Fuld of Boston and Wilbur A. Christy of Kinsman, O., were presented, but owing to lack of time were not read. A vote of thanks was passed to the gentlemen for their courtesy in preparing the papers, and the papers were referred to the bulletin committee. Mr. Christy gave a short and interesting talk on Gladiolus breeding.

Secretary H. B. Dorner of the S. A. F. appeared before the meeting and urged that the Society affiliate with the National Society.

President Hendrickson appointed a press committee, as follows: H. Yonell, L. Merton Gage and Prof. L. B. Judson. He also continued in service the present exhibition committee, so that its members might arrange for the next exhibition, which is to be held in Boston in March, 1911, in connection with the National Flower Show, and which is to be made up of blooms of Gladioli from forced bulbs. President Hendrickson expressed himself as practically certain that he would be able to secure some premiums to be awarded at this exhibition, and believed that dinner table decorations should be a feature of the display. L. M. G.

At the adjourned meeting of the American Gladiolus Society the disease of the Gladiolus and other important matters were discussed. The subject was introduced by Arthur Cowee, and the following expressed their views: President Hendrickson, Messrs. Cushman, Gage, Tracey, Stewart, Prof. Judson, Christie, Keerner and others. Some very valuable points were brought out. It was agreed that every member should get in touch with the experimental stations in their States and induce them to take up the work of investigation, and publish the results.

The Society will hold its next annual show at Baltimore, in conjunction with the S. A. F. & O. H., when it is hoped that all the Gladiolus classes will be grouped together. Seedsmen and florists in Baltimore and vicinity, it is hoped, will make note of the show, so as to get more amateurs interested, and to take part.

It was resolved to publish a booklet containing a synopsis of the proceedings of the meeting and exhibition and a list of all the members, which will be of great value to the growers who are members of the Society.

In my previous report of the show I omitted to mention the exhibit of Mrs. J. F. Kennell of Chili, N. Y. All the flowers in it were remarkably fine, so much so, indeed, that had her entry been made on time she would have captured several prizes; as it was, the judges awarded her a prize of ten dollars in gold. H. Y.

The Ladies' Society of American Florists

The annual meeting of the Ladies' Society of American Florists was held on Aug. 17, at the Seneca Hotel, Rochester. The meeting was called to order by the president, Miss Matilda Meinhardt. The proceedings opened with the introduction of Miss Montgomery of Rochester, who made an address of welcome which was considered to be something of a masterpiece in its line. Mrs. J. C. Vaughan of Chicago made a suitable response, after which President Meinhardt made her official address.

The secretary, Mrs. Chas. H. Maynard, read her report which, on motion, was accepted and filed. The treasurer, Mrs. Albert M. Herr, also read her report, showing a balance on hand of $337.22, and the report, on motion, was accepted.

The following amendments to the by-laws were adopted: In the order of business, item No. 6 was struck out. In Article 4 the word "two" was changed to read "three" directors to be appointed each year by the president-elect for a term of two years. Article 6, Section 3, was amended by adding after the word "necessary," "including letters of congratulation and condolence." Article 7, section 5, was amended to read: "The president and secretary shall be empowered to sign warrants drawing upon the treasurer in case of emergency." Another change made was in regard to elections; the officers now are to be elected by ballot at the annual meeting when there are two or more candidates for the same office. If there is but one candidate for an office, the secretary is to cast a ballot for such candidate. New officers are to assume office the following January. It was also, on motion, decided that proxy voting be omitted.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

Benjamin Hammond, Fishkill-on-Hudson, N. Y.

From North to South and from East to West throughout the United States, the special manufactures of Mr. Hammond are known the country over and this exhibitor's reputation in his particular line is unexcelled. The exhibition (portrayed herewith) is representative of all the varied lines manufactured by that house.



Mrs. President-elect Asmus and Mrs. ex-President Traendly—Comparing notes on presidential procedure.

Mrs. Maynard read an interesting letter from Mrs. Steidle of Missouri on "Home Circles."

Mrs. J. C. Vaughan moved that the Society appropriate $25 for the purpose of purchasing a vase or some other suitable article as a prize to be given by the Society for the most beautiful decoration at the National Flower Show in Boston next March. An amendment to this motion was made appropriating $50 instead of $25, and the amendment, upon being put to the meeting, was carried. The president was directed, by motion, to appoint a committee to decide on and purchase the prize.

Nominations of officers was the next business, and the following were nominated: For president, Mrs. J. V. Phillips, Miss Matilda Meinhardt, Miss Perle Fulmer; for first vice-president, Mrs. Julius Roehrs, Jr.; for second vice-president, Mrs. Wittman, Miss Margaret Vesey; for treasurer, Mrs. Albert M. Herr; for secretary, Mrs. Chas. H. Maynard. The president appointed as judge of election Mrs. J. C. Vaughan, and as tellers Mrs. W. F. Kasting, Mrs. Frank H. Traendly and Mrs. Sibson. The result of the elections was as follows: President, Mrs. John V. Phillips of Brooklyn, N. Y.; vice-president, Mrs. Julius Roehrs, Jr., of Rutherford, N. J.; second vice-president, Miss Margaret Vesey of Fort Wayne, Ind.; treasurer, Mrs. Albert M. Herr of Lancaster, Pa.; secretary, Mrs. Chas. H. Maynard of Detroit, Mich.

On motion, the secretary was authorized to purchase a gavel for the use of the president of the Society. The meeting then adjourned after a rising vote of thanks and a "handkerchief wave" to the retiring officers and to Miss Montgomery for her address of welcome.

The American Rose Society

On Thursday, Aug. 18, the members of the American Rose Society met in Convention Hall, Rochester, N. Y., to the number of thirty-four. The meeting was called to order by the secretary, who stated that the fiscal year began July 1, but that according to custom the organization meeting was held during the S. A. F. convention, when the newly elected officers assuming control. August T. Poehlmann of Morton Grove, Ill., was present as retiring president, and William H. Elliott of Brighton, Mass., assumed the chair as the new president.

The statement was made that the Society had invested its permanent fund, to the amount of $3,000, in guaranteed mortgages, at an interest rate of 5%, dating from July 1; that there was a balance in the treasury of something over $100; and that up to date all bills were paid, with one exception, a matter of some $9.20. The present executive committee is as follows: Philip Breitmeyer, Detroit, Mich.; Peter Bisset, Washington, D. C.; William F. Kasting, Buffalo, N. Y.; Wallace R. Pierson, Cromwell, Conn.; August T. Poehlmann, Morton Grove, Ill.; J. A. Valentine, Denver, Colo. The secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y., and the treasurer, Harry O. May, Summit, N. J., remain in office, and Adolph Farenwald of Roslyn, Pa., is vice-president.

The chief matter of interest that came up before the meeting was the coming National Flower Show, to be held in the city of Boston, the latter part of next March and to continue for one week, a report of which appeared in The Florists' Exchange of Aug. 20. The following pledged themselves to furnish exhibits and to do all in their power to make the coming exhibition a great success: Poehlmann Bros. Co., Morton Grove, Ill.; William H. Elliott, Brighton, Mass.; Adolph Farenwald, Roslyn, Pa.; E. C. Hill, Richmond, Ind.; Lake View Rose Gardens, Jamestown, N. Y.; Erie Floral Co., Erie, Pa.; Joseph Heacock, Wyncote, Pa.; Bassett & Washburn, Chicago; John H. Dunlop, Park Dale, Ont.; Waban Rose Conservatories, Natick, Mass.; F. R. Pierson Co., Tarrytown, N. Y.; Welch Bros., Boston; Thomas Roland, Nahant, Mass.; The Montgomery Co., Mass.; A. N. Pierson, Inc., Cromwell, Conn. Thomas Roland, believing that the Society would need some money to carry out the show arrangements, a little more than usual, offered $25 for use in advancing the general interest in the show. The following gentlemen then made offers of money for the use of the Rose Society, as the executive committee may deem fit: August Poehlmann, $50; William H. Elliott, $50; William F. Kasting, $25; William J. Palmer, $25; A. N. Pierson, Inc., $50; Waban Rose Conservatories, $50; P. Welch, $25; E. G. Hill Co., $25. Mr. Farenwald made a very earnest speech in favor of making the premiums of such size as to bring out the largest display of cut flowers. The Society then adjourned until next March.

BENJAMIN HAMMOND, Sec.

Conclusion Report on Trade Exhibition

BEST OIL CO., New York City.—Displayed its oil products, a special feature of which was the greenhouse white paint. There are many excellent claims made for this article, it having been fully tested before being offered to the trade. Investigations by greenhouse men into the qualifications of this paint are requested. A. Guttman, president of the company, was in charge.

CLAFLIN CO., H. B., New York City.—Displayed a full line of florists' ribbons and other supplies.

DETROIT FLOWER POT CO., Detroit, Mich.—Florists' standard pots, pans and ferneries in all sizes.

HILFINGER BROS., Fort Edward, N. Y.—Display of standard flower pots.



The State Vice-President for Eastern New York and some of his lady supporters—at Manitou Beach.

IONIA POTTERY CO., Ionia, Mich.—This concern made a display of its famous white pots which are considered the lightest, most porous and strongest on the market. Azalea pots, bulb and fern pans, hanging baskets, lawn and cemetery vases, also florists' wirework of every description are some of the articles they manufacture.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

George B. Hart, Rochester, N. Y.

Mr. Hart is the only wholesale florist in Rochester, and is as well an extensive dealer in florists' supplies, of which, as may be seen from the illustration herewith, he made an exceedingly elegant display. This exhibit is referred to on page 327, issue of Aug. 20.

KASTING CO., WM. F., Buffalo, N. Y.—A fine display of supplies, including vases of every size, baskets and wire work, also a showing of Begonia Lorraine plants.

KENNELL, MRS. J. F., Chili, N. Y.—A very fine exhibit of Gladioli in named varieties of which Monster, America, Harlequin, Eugene Scribe, Dominion, Rosella, Crackerjack, Cremilda and several others showed to good advantage.

KITT MFG. CO., Oswego, N. Y.—Kitt's Hydraulic Damper Regulator, a device useful for saving fuel, was shown.

KOERNER, H. W., Milwaukee, Wis.—A display of Gladioli which secured first prize for best twelve varieties not now on the market. The spikes were very fine and the vases contained several interesting sorts. As a specialist in Gladioli, Mr. Koerner has certainly made a mark.

KRAMER, I. N., & SON, Cedar Rapids and Marion, Ia. Exhibited a Carnation support of galvanized wire adjustable to any size plant. It is a clever and easily put up device, simple in construction, admitting of free cultivation, watering and gathering of flowers.

LONG, DANIEL B., Buffalo, N. Y.—A line of floral photographs and other specialties designed and printed to promote and elevate the advertising tone of the trade.

TAYLOR INSTRUMENT CO., Rochester, N. Y.—Exhibited a type of resistance thermometer, a device used to determine temperature at distantly located points from a central station. It is sensitive to the slightest change of temperature. These are hermetically sealed and not affected by moisture or other conditions. They will stand considerable abuse and are so constructed that by means of a numbered switch board several differently located thermometers can be used in connection with but one indicator. All these thermometers are interchangeable and give accurate readings. The installation of these resistance thermometers in greenhouses or other structures means the saving of much labor, with accurate results. The exhibit was displayed by R. C. Schwarz. The company also manufactures instruments of all kinds for temperature readings.

Report of the East New York State Vice-President

It is my pleasant duty to report that the florists, seedsmen and nurserymen in the eastern part of New York State have had a most prosperous season in the one just past.

In investigating the matter of greenhouse construction, it seems there are more private than commercial houses being erected. The land in the vicinity of New York City is so high in price that it makes it impossible for the florists to extend any farther without getting beyond wagon reach, which will mean the growing of less potted plants but more cut flowers.

During the Winter the plant and cut flower trade was very good, and at Easter time there was a great demand for potted plants, every available plant selling well. Growers were very fortunate in getting most of their plants in bloom, with the exception of the Lilies, Easter being so early a great many growers had trouble in getting them in. There was also trouble with the pot Roses, so many of them going blind, but the surprising feature of conditions was the very few sick Lilies, a factor which, unfortunately, made the price of the cut Lilies very low. The medium-sized plants seemed to be most in demand for Easter.

Nursery and herbaceous stock is being sought for more and more each year and the pleasant feature of the trade is the demand for good stock. The same condition prevails in the bedding stock and all other branches of the trade.

The wealthy people with large estates are improving their grounds more and more each year, and generally buy the best the market affords. Large specimens for immediate effect are mostly called for.

New York City was graced this Winter with the meeting and exhibition of the American Rose Society and in July by the meeting and show of the National Sweet Pea Society. Both meetings were great successes as well as being very instructive.

I believe each city and town ought to have a florists' club, even if they can only muster up enough members to fill the offices. Florists should come together the same as other tradesmen, talk matters over and exchange ideas. One should not be jealous of his neighbor because he may be cutting a better Rose or Carnation! He should stick to his club and business and he will succeed as well. If he wishes to see an example of this, let him visit the N. Y. Florists' Club meetings.

In looking over last year's report I was sorry to see that New York decreased its membership in the Society by 16. I will assure you that we will repair that loss from this eastern part of the State two-fold this year.

The weather this Summer has, unfortunately, been very unsatisfactory; scarcely any rain and very hot, so that stock has suffered to a great extent; mostly every plant and shrub for Summer blooming has been a failure. Carnations especially have never looked so badly and have never been affected with the spider as they are this Summer. I think we shall suffer a great loss this coming Winter on account of the drought.

The florists of our section of New York will travel by special train to Rochester, where this year's convention is to be held, and at the date of my writing (Aug. 6) the greatest interest shown in the history of the S. A. F. and O. H. prevails, a great many going to the convention for the first time.

A suggestion in the way of a help to get new members would be to have a surplus of our Society's reports printed, and to give notice through the trade journals that they can be procured from the secretary at a price fixed by the executive board. In this way we could secure the interest of the more "live" florists. This is how I became interested 17 years ago.

Just a little advice to florists—for what it is worth: Do not mis-label or misrepresent your stock, as customers will soon lose confidence in you. Refrain from using artificial flowers. Your trade paper should not get into the hands of people not connected with the trade. Wholesalers should not sell at retail prices, as it is not fair to the storeman. To be a successful florist become an active member of your home club and of the S. A. F. and O. H. Subscribe to all trade papers. Read carefully all catalogs. Look into all new devices, as there may be something new that surely interests you.

In conclusion, I just wish to mention, with thanks, the good work of the N. Y. Florists' Club transportation committee, toward our entertainment and comfort en route to Rochester, on Aug. 15. A. L. MILLER.



S. A. F. Trade Exhibition at Rochester, N. Y.,

An effective exhibit of Gladiolus Niagara by FRANK BANNING, Gladiolus Specialist of Kinsman, O. The large handsome spikes of flowers borne by Niagara were greatly admired.

The Rochester S. A. F. Trade Exhibition

This is the first time in many years we have been able to secure good pictures of quite a number of the exhibits and, while many equally deserving will be found missing from the galaxy here presented, for the reason we were unable to secure them, the collection shown demonstrates more expressively than any word painting within our power the scope, size and importance which the S. A. F. trade exhibition has now attained.

We contended, years ago, that this mart and sale feature was the living tissue of the S. A. F. organization, the one attraction which combined all interests and was worth considerably more to the Society than credit had been accorded for up to that time, and it is gratifying to us to note that in recent years all hampering restrictions have been removed and that the exhibition hall is never closed from start until finish, allowing unrestricted opportunity for transacting business.

The Rochester trade exhibit was well in advance of any of its predecessors in every respect and as the majority of exhibitors were more than satisfied with the result of their enterprise, little doubt remains that at Baltimore, next August, an equally representative showing will be made. At Boston, too, when the Spring flower exhibition is held, next March 26, there will be a good representation by our leading tradesmen.



The S. A. F. Trade Exhibition at Rochester, N. Y., August 16-18, 1910.

B. Hammond Tracy, Wenham, Mass.

This Gladiolus exhibit being quite out of the ordinary run commanded the attention of all and was highly commended. One of the designs shown by Mr. Tracy was that of a dinner table arranged for four and in which he used Gladiolus Dawn to great advantage. All of Mr. Tracy's display showed exceptional cultural skill. Sprays, window boxes and mantel decorations were also shown, composed almost exclusively of Gladioli, and demonstrating as had never been publicly done before, the possibilities of this flower for decorations at this season.

Good Use of Printer's Ink

The professional man was delighted at the foresight exercised by those in authority at Rochester having charge of the printed matter. Apart from the Rochester Souvenir Book, which was mentioned in our columns last week, and which well served its purpose as a guide to sightseeing points in the city of Rochester, the Florists'



S. A. F. Trade Exhibition at Rochester, N. Y.,

NATIONAL CLOCK AND ELECTRICAL MFG. CO., St. Louis, Mo. This exhibit was fully described on page 328, issue of Aug. 20. On account of its originality and the value to the trade of the instruments shown this table was ever a center of attraction.

Association issued a very complete pamphlet giving all the committees appointed by the Club having to do with the convention, and a program of the entertainments which was the most complete we have ever seen.

Additionally, on the desk of the superintendent of the trade exhibition, Chas. H. Vick, was to be found a printed list of all the trade exhibitors.

These publications are well worth a note at this time, and credit is due to the gentlemen who conceived the idea of putting all this information in circulation.

It is to be hoped that Baltimore and the cities which follow in the future as meeting places for the S. A. F. will note these side helps and follow suit.

The Visit to Vick's Seed Farm

On Friday morning, Aug. 19, the firm of James Vick's Sons gave an excursion to their trial grounds at Ogden which was taken advantage of by a great number of interested florists. The cars started from the Court st. bridge at 9 o'clock in the morning, reaching the trial grounds in about half an hour thereafter.

Heavy rains the night previous had made the grounds somewhat soggy, but for all that the delegates tramped over the extensive grounds and examined with more than ordinary interest the many varieties of plants to be seen. Naturally, the Aster trials were subjected to the closest examination, and, as well, innumerable varieties of flowering plants, both annuals and perennials, received their share of inspection.

The party returned in good time to connect with the cars which were to take the delegates to Manitou Beach.

Meeting of the Retailers' Section

There was a meeting of the Retail Section of the S. A. F. and O. H. on Thursday morning, Aug. 18, in Convention Hall, J. A. Valentine of Denver, Col., in the chair. M. H. Eldridge, of the International Floral Association, New York, was present, and detailed the advantages presented to florists through his Association, in the direction of interchange of business, but the meeting concluded that the retail section would not be justified in allying itself with such an association, consequently the matter was, on motion, laid on the table. The action taken at the preliminary meeting held in Pittsburgh last January was confirmed, and it was decided to leave details in regard to fees to the board of directors, as also the preparation of literature, soliciting membership, which is to be disseminated as promptly as possible. The fees will probably be based on the population of cities. The section will undoubtedly have a meeting at the National Flower Show in Boston, next March.

National Sweet Pea Society of America

At a meeting of our Society at the S. A. F. convention at Rochester, Aug. 18, Vice-President Wm. Sim in the chair, a motion to act in conjunction with the S. A. F. and O. H. in Boston, at the National Flower Show to be held next Spring was unanimously carried.

President Pierson of the S. A. F. promised to secure us an appropriation, and our Society intimated that it would endeavor to secure the same amount, so it is quite possible that we shall have a prize list of about $3150 for Sweet Peas at that time.

Any one desirous of offering prizes, kindly communicate with the secretary. HARRY A. BUNYARD, Sec.

Does this issue of The Florists' Exchange please you, reader?

Among the Growers

Est. of John Scott, Brooklyn, N. Y.

This establishment, at Rutland rd. and East 45th st., Brooklyn, N. Y., is, practically, the birthplace and home of Nephrolepis Scottii. Here it is found at the present time in a variety of sizes and stages of growth, and there are to be seen tens of thousands of remarkably well-grown, beautiful specimen plants of this most popular and meritorious of the Nephrolepis species.

Of the twenty-nine greenhouses which make up the Scott range, fully one-fourth are devoted to growing Nephrolepis Scottii. In three houses thrifty luxuriant plants are seen growing on the benches. Other houses are filled with the medium sizes in pots. Splendid specimens in 8-in. pans fill one house, but the most notable of all is a house filled with magnificent specimens in 10-in. pans. The fact is, the demand for Scottii Ferns is so constant and heavy that it is very difficult to grow a sufficient number into the large sizes to meet the demand. The grand old favorite Bostoniensis is also grown here, and the beautiful Scholzeli. Large specimens of Cibotium Schiedei occupying one house present an entirely different type of the Fern family, and produce a strikingly tropical effect.

Leaving the Ferns, next is observed several houses filled with fine, large specimens of Palms, mostly Kentias, with Phœnix and some Arecas also.

Well-grown specimens of those popular favorites Pandanus Veitchii and utilis fill two houses. A very large



A Portion of the New York Delegation at Glen Summit Springs en route to Rochester

number of plants of Dracænas terminalis, indivisa, Massangeana and Lindenii, in large sizes, are in excellent condition. Some very large perfect specimens of Araucaria excelsa occupy one house, and make it look like a small Pine grove.

Poinsettias are benched in two houses, and some fine plants in 4½-in. pots fill another house. A large block of Cyclamens, which are very thrifty now and promise to make elegant plants for the holidays is seen. Several thousand plants of Asparagus plumosus in pots are noted, strong, stocky plants. Gardenias, filling one house, and which last year were grown in large pots plunged in the benches, and covered with Sphagnum, are this year planted in the benches. The foliage has the right color, and the plants are making vigorous growth, some beginning to produce flowers.

The Scott range throughout shows that careful attention to the details of growing produces plants of such quality as to always meet with a ready sale.

Ellwanger & Barry, Rochester, N. Y.

Those who failed to visit the show grounds of this celebrated nursery during the recent convention missed a rare treat. Fortunately, the writer with others, secured the personal aid of W. C. Barry in their inspection, and to him belongs the credit of imparting much valuable information. In the office of this company will be found a very complete horticultural library, which contains many of the first technical books and horticultural and agricultural publications published during the middle of the last century when the nursery business was beginning to make an impression in the world. In looking over some of these books the visitors saw copies of the first advertisement issued by the company dated Sept. 1, 1840, in which it was stated that "the firm would shortly remove to its present location, from Buffalo and Sophia sts., having secured six acres, which will be devoted to the planting of untried and imported varieties of fruit trees which, when developed sufficiently, will be announced in the press, and the public invited." From this it can easily be seen that the founders of the firm were early alive to the value of tried and proved varieties. Mr. Barry told us how the neighbors twitted his father, and thought he had surely gone crazy, but in the end their efforts were appreciated, and the neighbors gave the firm credit.

Passing from the office one is shown the standard Roses of many varieties, following which a peep at specimen trees on the lawn and in the borders was taken advantage of. Those included the Cut-leaf Beech, Oaks, purple Beech, Magnolia Soulangeana (which had several premature blossoms on it,) M. macrophylla and many others. Passing on, we came to a beautiful Golden Elm, perhaps the only one of its size in the United States; a great regret, as expressed by Mr. Barry, was the lack of a Silver Elm, the ownership of which would then enable him to offer the two varieties to the public; these would surely prove wonderfully attractive as ornamental trees. A visit to the famous Rose gardens disclosed Nova Zembla (hyb. Rugosa) a great acquisition and very vigorous. It is a perfectly hardy variety and as such is valuable in the northern States and Canada. The flowers are large, well shaped and white, and these are seen in profusion during the Summer.

Mr. Barry is delighted to have listeners when it comes to the question of planting dwarf fruit trees. As shown in these trial grounds, these trees were planted from 7 to 10 ft. apart, and bore a considerable quantity of fruit. The advantages of these are at once apparent, as persons owning even a city lot can plant many dwarfs with the surest results; at the same time economy of space is a factor. Dwarf Pear, Apple and Peach trees were shown which fully demonstrated the argument of Mr. Barry, as to size, quantity and quality of fruit, as well as the manner of cultivation, manuring, etc.

In the Phlox field, many new varieties were seen growing, chief of which was Eiffel Tower, which was the admiration of all visitors; Ruby, Siebold, America, Asia, R. P. Struthers and many others were also objects of admiration.

It is the intention of the firm to establish a large rockery, in which to display to visitors many suitable rock plants.

Passing down through the grass walk many new and interesting things were seen, in the meantime the conversation turning to the subject of beautifying school grounds, one in which Mr. Barry is deeply interested. He deplored the fact that during his school days no teacher had impressed his mind with any talks from Nature, birds and flower studies having no part in his lessons. But today, the opportunity is here, and must be taken advantage of, to which end he is using all his energies as chairman of the local Park Board. As showing the methods to be used in teaching, Mr. Barry said that it was of vast importance to impress on the mind one thing at a time properly, and his description given and the impres-



S. A. F. Trade Exhibition at Rochester, N. Y.,

H. D. MANN CO., Syracuse, N. Y. See page 328, issue of Aug. 20, An eminently creditable display and commendatory to both the exhibitors and the city they hail from.



S. A. F. Trade Exhibition at Rochester, N. Y.,

CHAS. EBLE, New Orleans, La. This exhibit of Phœnix Roebelenii traveled the longest distance and arrived at Rochester in first-class condition. This specialty of Mr. Eble's has lately been favorably commented on in these columns.

sions received as to how to distinguish the several varieties of Phlox, for instance, will not soon be forgotten by his listeners. Answering a question concerning tree or shrub planting, Mr. Barry replied that young or old should lose no time in filling every possible corner with some variety, even if it died; keep the land occupied, take chances, and in nine cases out of ten you are the winner. Much more could be said of this visit but lack of space forbids it. A. H. S.

Sports

The sports commenced at ten o'clock on Thursday morning with the ladies' bowling tournament at the Elm Bowling Alley, back of the Seneca Hotel. The ladies were out in force and some capital games were played, with resulting good scores. The men's bowling commenced at one o'clock at the Grand Central Alleys. The teams of the different florists' clubs speedily got down to work and for a long time no real forecast could be made of the ultimate result. Finally, Washington forged ahead and finished well in the lead. The individual series were well patronized and the alleys were in use until late in the evening. The shooting contest opened about three o'clock at the Riverside Gun Club, near Genesee Valley Park. While the rain somewhat marred the pleasure of the occasion, the contest was a spirited one. H. M. Altick of Dayton, O., took the leading prizes. At the men's bowling alleys, considerable jollity was noticeable during the bowling, the long intervals between games appealing strongly to the boys as opportunities for social intercourse.



The Backward Running Race at Manitou Beach

The Bowling Tournament

Florists' Club Scores

Washington First

	First	Second	Third	Total
Cooke	144	165	122	431
Shaffer	155	204	147	506
Simmons	140	127	179	446
Ernest	131	134	170	435
McLennon	189	155	155	499
Totals	759	785	873	2317

Buffalo Second

	First	Second	Third	Total
L. Neubeck	151	136	147	434
McClure	137	149	154	440
Mansfield	175	114	241	530
Wallace	165	145	141	451
Kasting	145	134	117	396
Totals	773	708	770	2251

Philadelphia Third

	First	Second	Third	Total
Robertson	178	166	165	509
J. Dodds	134	140	146	420
S. Batchelor	127	139	182	448
D. Connor	123	161	156	430
W. Graham	150	122	156	428
Totals	702	728	805	2235

Baltimore Fourth

	First	Second	Third	Total
Richmond	192	155	172	519
Lehr	116	141	120	377
Perry	156	123	118	397
Klutch	173	177	119	469
Seybold	141	153	167	461
Totals	778	749	696	2223

Chicago Fifth

	First	Second	Third	Total
Olsem	136	165	172	473
Wilson	105	133	162	400
Asmus	150	134	125	409
L. Vaughan	134	148	146	428
Yarnall	158	171	141	470
Totals	683	751	746	2180

Cincinnati Sixth

	First	Second	Third	Total
Ray Murphy	152	161	169	482
Heckman	139	115	153	407
Sunderbruch	147	106	110	363
Westrich	132	178	147	457
Critchell	165	182	121	468
Totals	735	742	700	2177

Long Island Seventh

	First	Second	Third	Total
J. Donaldson	145	124	118	387
W. H. Siebrecht Sr	138	132	146	416
P. H. Einseman	164	122	127	413
H. Kessler	170	131	137	438
L. Miesem	186	156	157	499
Totals	803	665	685	2153

New York Eighth

	First	Second	Third	Total
P. O'Mara	161	116	104	381
R. E. Berry	119	130	155	394
W. C. Scott	141	199	94	434
Joseph Manda	104	154	150	418
J. S. Fenrich	144	150	193	487
Totals	669	749	696	2114

Cleveland Ninth

	First	Second	Third	Total
Knoble	144	186	124	451
Warnke	91	98	103	283
E. H. Cushman	100	117	95	312
W. Harrison	98	116	129	343
C. Graham	200	164	194	558
Totals	630	672	645	1947

Rochester Tenth

	First	Second	Third	Total
P. Hall	134	126	135	395
J. M. Keller	127	90	115	332
F. J. Keller	116	117	143	376
A. F. Vick	89	141	161	391
C. H. Vick	140	123	146	409
Totals	606	597	700	1903

Detroit Eleventh

	First	Second	Third	Total
E. Peters	132	127	150	409
Robt. Rahaley	145	125	104	374
W. Sullivan	160	134	89	383
R. Watson	125	125	132	382
H Watson	99	105	102	306
Totals	661	616	577	1854

Team Prizes

Position	Club	Total	Prize
First	Washington	2317	Whilldin Cup
Second	Buffalo	2251	Michell Cup
Third	Philadelphia	2235	Foley Cup



From North, East, South, West, and the Centrals they came

Team making high game in any of the three games (Kasting Cup).—Washington Florists' Club with 873.

Team making highest score in the first two games (Bayersdorfer Cup).—Washington Florists' Club with 1658.

High total score by individual of teams for three games (Grand Central Alley's Cup).—C. Graham of Cleveland, O., with 558.

The Brunswick-Balke-Collender Co.'s championship diamond medal for the high man on each team and five individuals to bowl three games was captured by Robertson of Philadelphia.

High score by individual of teams for one game (Silver Cup).—Geo. Cooke, Washington, D. C.

To the man making greatest number of strikes in three games (Vaughan Cup).—Geo. Cooke, Washington, D. C., with 15 strikes.

To the man making the greatest number of spares in three games (Dreer Cup).—Richmond of Baltimore, Md., with 17 spares.

The press match was won by J. Austin Shaw of Brooklyn with 236 pins, the prize consisting of a case of O. F. C. Whiskey.

The special event for men 50 years and over was won by George McClure of Buffalo with 361 pins, the prize consisting of a case of Sherwood Whiskey.

Men's Individuals

Position	Total	Prize
First...W. H. Carney	305	Silver Cup
Second. D. J. Scott	295	Cuff buttons
Third.. F. H. Adgate	291	Stick pin
Fourth C. W. McKellar	283	Silk umbrella
Fifth...A. Wilson	271	Gem Jr Safety Razor
Sixth...L. H. A. Klein	245	Stick pin and cuff button set
Seventh J. Austin Shaw	244	Traveling Case
Eighth. M. Bloy	235	Watch fob
Ninth.. S. D. Dysinger	227	Traveling watch
Tenth.. E. Allan Peirce	226	Match safe

Ladies' Individuals

	Total	Prize
1—Mrs. Whitman	254	Reinberg Cup
2—Mrs. C. W. McKellar	250	Darling Cup
3—Mrs. Frank Truendly	240	Balsey Cup
4—Mrs. Moltz	232	Silver Cup
5—Mrs. Geo. Shaffer	227	Art Pottery vase
6—Mrs. F. C. Bauer	215	Cut Glass Vase
7—Mrs. Cooke	210	Gold Brooch
8—Mrs. Geo. Asmus	196	Brownie Kodak No. 3
9—Mrs. L. H. A. Klein	194	Picture
10—Mrs. Albert M. Herr	187	Hatpin

Greatest number of strikes.—Set of gold pins won by Mrs. L. H. A. Klein. (Five strikes)

Greatest number of spares.—Cut glass dish won by Mrs. C. W. McKellar. (Five spares)

High single game.—Gold chain and pendant won by Mrs. Frank Truendly. (139 pins).

Shooting Contest

The shooting was held at the Riverside Gun Club, near Genesee Valley Park. The first prize, that for the greatest number of birds in all events, was won by H. M. Altick, $20 in gold. In the singles, 25 birds, first prize $20 in gold, was taken by H. M. Altick; second prize, fishing rod value $10, Z. D. Blackistone; third prize, stick pin value $5, Brown. In the doubles, 24 birds, first prize, $20 in gold, was taken by H. M. Altick; second prize, gun case value $10, E. H. Vick; third prize, fishing rod value $5, Reid. In the four men team, with prizes to each of a diamond stick pin, value $10, the winners were Z. D. Blackistone, Brown, Reid and Vick.

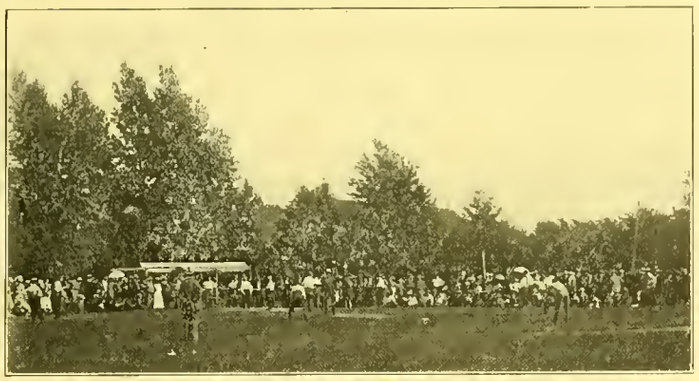
Outing at Manitou Beach

On Friday the visitors were the guests of the Rochester Florists' Association at Manitou Beach, a nearby resort on Lake Ontario. The journey was made by trolley cars, and the work of despatching cars from the starting point, Convention Hall, occupied considerable time, but ulti-

mately all reached the spot after a most enjoyable ride, first through the residential section to Charlotte, and then for several miles along the Lake. Arriving at the grounds the appetites collected on the journey were appeased at the various booths on the spacious grounds, during which time the band rendered some grand selections of music. After a delightful rest, all adjourned to the front of the hotel where, after a lot of good-natured "jollying," a most successful group photograph was taken. Thence, about 3 o'clock, the party proceeded to the grounds set apart for the sports, where a baseball game between teams representing the S. A. F., and the Rochester Florists' Association was commenced. The game was enjoyed to the full, and resulted in a victory for the S. A. F. team, with a score of 30 to 2. Other sports followed, results of which are found on the sports page in this issue. The pipe race and the elephant race were innovations and caused much fun.

The sports ended, the crowd boarded the cars for Ontario Beach, at Charlotte, the "Coney Island" of Rochester. Here the various amusements were indulged in and a pleasant time spent. It was midnight before the last of the guests reached their hotels.

The Rochester Association deserves much credit for the admirable manner in which it handled the immense crowd.



The Ball Game at Manitou Beach

The Sports at Manitou Beach

The ball game was won by the S. A. F. team. The winning team was composed of C. J. Graham, Joe Manda, D. W. Ludwig, D. J. Scott, W. H. Carney, A. Swan, C. W. Curtice, O. Boucher and G. C. Schaffer.

Other Sports Resulted as Follows:

Snail Race—1, D. W. Carney, umbrella; 2, A. R. Leutchford, box cigars.

Backward Running Race.—1, D. W. Carney, umbrella; 2, A. Swan, bottle Peruna.

Pipe Race—1, Geo. Robinson, box cigars; 2, E. Reid, pipe.

Elephant Race—1, P. Prevost, box 50 cigars; 2, G. Cramer, box 25 cigars.

Pot Ball Game—1, L. A. Kline, barometer; 2, Mrs. F. Traendly, umbrella.

Fat Man's Race—1, C. E. Critchell, pair cuff buttons; 2, Jos. Perry, umbrella.

Ladies' 50 yd. Dash—1, Mrs. Clinch, hand painted vase; 2, Mrs. Zerkina, hand painted dish.

Girls' 50 yd. Dash—1, Ruth Tickner, picture; 2, K. Salter, nail file.

Boys' 50 yd. Dash—1, W. Lavigne, pair military brushes; 2, R. Poehlmann, watch.

Shoe Race, open to all—1, F. Thomann, umbrella; 2, G. Smith, umbrella.

Time Race—1, H. Brush, 1 yr. subscription to The Florists' Exchange; 2, P. Manker, hook.

Snap Shots

A prominent bowler played a match game with a Rochester professional in the "wee sma' hours" and won an even hundred dollars. * * * The grill room of the Eggleston seemed to attract the appetites of a large percentage of the florists. * * * Essayists who send their essays to be read ought to follow Congressional lines and be given "leave to print." * * * Now that the life membership remains at $25, why don't everybody become a life member? Whoop 'er up, boys!

Among the missing who were "missed," were H. H. Ritter, E. G. Gillett, Anthony Wiegand, C. C. Pollworth and Dr. Heintze. * * * Miss Perle Fulmer, as ever, was the "nightingale" of the convention. * * * The Misses Poehlmann of Morton Grove, Ill., contributed largely to the success of the ladies' entertainment by their dramatic abilities. These young ladies have a brilliant future before them if they continue along present lines. * * * If you want to know how florists enjoy themselves abroad, get Adam Graham to tell you how John Evans and Gurney Hill admired the statuary in the Paris Louvre.

The ladies were greatly pleased with their automobile ride. * * * Twelve presidents were in attendance at the convention. Seemed like old times. * * * A double barreled shotgun should have been presented to President Pierson with his case of swag, in order to properly protect the contents—that is, providing he expects visits from some of the ladies of the New York party. * * * E. G. Hill's presentation speech was a gem. * * * The slate containing the amendments was spat upon and wiped dry—not an amendment remained to mourn for its fellows.

Secretary Dorner made good in the first year of his incumbency. * * * The S. A. F. & O. H. had better look out, or the ladies will supply the future program. * * * Messrs. Foley, Reynolds, McKellar, Wade, Langjahr and Papworth were the troubadours of the bowling match. * * * The trade exhibition was more than equal to anything that had ever preceded it, and those in charge looked happy, which may be considered an omen as to lucrative orders taken.

The Ladies' Ananias Society meeting on Thursday evening was a bowling success. * * *Another of "the best ever" conventions has gone down to history.* * * Adam Graham, the "Globe trotter," barring an occasional nap, was as lively as a two year old. * * * Mrs. Wittman, the champion bowler of New Jersey, captured the biggest plum among the ladies' prizes. Now will Chicago be good! * * * The amount donated by the L. S. A. F. for the Spring Flower Show at Boston was $50 and not $150 as reported in our last week's issue.

Certainly, no exhibitor could complain of excessive charges for sign painting at Rochester, signs 28 x 44 ins. with considerable lettering having been made for 50 cts. * * * The big individual bowling match which was run off on Wednesday afternoon between representatives of Rochester and Baltimore, and which was a source of considerable talk at the time, was won by Chas. L. Seybold of Baltimore, who was victor in six games out of seven, and not four out of seven as reported in last week's issue.

Mr. and Mrs. H. B. Beatty, of Pittsburgh, were unable to attend the convention in person, but, from Atlantic City, sent John Westcott a telegram conveying their "best of bestest wishes to you and all our friends at the convention." Mr. Westcott answered same from Manitou Beach. * * * The Ladies S. A. F. added 33 new members at Rochester, the total now being 233, surely demonstrating the interest the fair sex take in this unique association * * * President Pierson will go down into history as one of the presidents who possessed both tact and talent. His recommendations were excellent, but, like many other excellent recommendations by his predecessors, they are likely to be unheeded by the S. A. F. & O. H.

The Florists' Hail Association is doing a new stunt. Two assessments will be levied during the next fiscal year, and the boys seem both willing and anxious to pay them. * * * Wm. R. Smith and J. D. Carmody seemed to have discovered the "Spring of perpetual youth." Of course, the ladies were an inspiration to both.. * * * The "sections" took their first lesson in affiliation. Lesson No. 2 will be given in Boston. * * * Several members of the S. A. F. & O. H. visited Niagara Falls, Toronto, Thousand Islands and Montreal before returning home. * * * John J. Temple of Davenport, Ia., was elected vice-president of the Florists' Hail Association. The other officers are Hill, Heacock and Esler—the old combination.

George Asmus and Richard Vincent are a strong team for 1911.

Robert E. Berry of New York, admitted, during a discussion on cement benches at one of Wednesday's sessions, that he was in charge of cement benches 33 years ago. Keep on, Bob! Give us a few more of your experiences and we may ultimately find out how many years young you are. * * * John Young of New York was another of the missed "regulars." He was, however, ably represented by his son Robert G. * * * President Pierson was the most "badged" man in the convention. When last seen, latest contributions to his adornment were leading like barnacles over his shoulders.

At the meeting of the Ladies S. A. F. Mrs. J. C. Vaughan apologized for getting on her feet so much. The apology was wasted for she is known as one who has always something good to say. * * * It is understood that John B. Deamud of Chicago was in the limelight as a starter in the races at Manitou Beach, and that some of the contestants in the pipe race cordially blessed him—after that race had been run over again. * * * Mr. Flitton's promise that each visitor to the Baltimore convention would receive "a bushel of crabs" was realized to the full by those who were guests of the Gardeners' and Florists' Club of Baltimore on their return from the Washington convention in 1905. It seemed to them that the ratio of distribution was even larger on that occasion.

New York Snap Shots

The trip from New York was a regular old time reunion and when Rochester hove in sight, the parable of the loaves and fishes was exemplified. No one hungry or dry and several baskets of good things remaining. * * * The harmonious harmoniousness on the train de luxe from New York was only broken once, and that was when Joe Manda, with malice aforethought, shot Brother Shaw in the ear with a cork from a bottle of pop. Brother Shaw retorted with a blessing which was not parliamentary, but Joe was afterward forgiven.

The stop for luncheon at Glen Summit Springs was greatly enjoyed. As guests of the transportation committee, about 125 sat down to an excellent repast. Before taking the train again there was a bit of a caucus wherein A. L. Miller and P. O'Mara made corking good speeches. * * * It is to be regretted that the roar of the train prevented a proper appreciation of the sweet melody rendered by troubadours L. Schmutz, John Evans, C. H. Totty, Harry Weston, Charles Weber and others.

S. A. F. President F. R. Pierson, on account of his official duties had to take a train to Rochester on Sunday, but the party had three ex-presidents in it, James Dean, Patrick O'Mara ad F. H. Traendly—that was going some. * * * The whole party sincerely regretted the enforced return to New York, through illness, of J. V. Phillips, of Brooklyn, and accompanied by Mrs. Phillips. * * * John Evans of Richmond, Ind., who had just returned from a trip to Europe, was with the party, and added to its joyfulness. His experiences on the other side were detailed with great glee. Say! Wonder if there was anything in Paris John failed to see?

The two New York parties who went to Rochester in their autos arrived safely—for which due thanks were rendered by their friends. A. M. Henshaw, with Joe Fenrich, Bob Schultz and others reported a most enjoyable trip. W. H. Siebrecht, with his party consisting of Phil Kessler, John Donaldson, P. Einsmann, John Miesem and H. Siebrecht report also a grand ride. The latter party left on Saturday about 11 a. m., and were last seen by a New York scribe at Canandaigua, comfortably installed in the dining room of one of N. Y. State's best road hostelries, preparatory to heading for Syracuse and Albany.

A party consisting of Mr. and Mrs. Chas. Weber, Mr. and Mrs. H. Weston, Mr. and Mrs. I. L. Powell and Mr. and Mrs. C. L. Seybold of Baltimore, took in a side trip, going to Kingston on the St. Lawrence and back through the Thousand Islands each way. Oh! such a trip! they say. * * * Ontario Beach proved attractive. Oscar Bahler met an affinity and the "Virginia Reel" is supposed to have cemented the friendship. Keep an eye on the matrimonial column of the Exchange.

Here is a suggestion for 1911: New York ought to go to Baltimore by boat, via Old Point Comfort. Harry Bunyard can be trusted to charter a vessel large enough to carry the commissary supplies.

Presentation to Charles H. Vick

On Thursday evening, just before closing time, Charles H. Vick, superintendent of the trade exhibit, was captured by Harry A. Bunyard and a party of exhibitors, and somewhat unceremoniously hustled to a stand in the corner of the main hall. Here, after being given to understand that there was a bone to pick with him and that a certain matter had to be instantly settled, he was presented with a handsome gold watch by Mr. Bunyard, as a token of esteem from the exhibitors. Mr. Vick, who was speechless from surprise, was hoisted upon the stand, where, when he had recovered his speech, he made a feeling response. Meanwhile the band and the party joined in a chorus "Vick, Vick! What's the matter with Vick."

Society of American Florists

Department of Registration.—As no objections have been filed, public notice is hereby given that the registration of the Carnation, "Christmas Cheer," by Henry Eichholz, Waynesboro, Pa., becomes complete.

H. B. DORNER, Sec.

August 25, 1910.

THE BOOK OF

WATER GARDENING

This work supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the amateur with a few plants in tubs to the large estate or park.

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The Florists' Exchange Design Book

The new edition of the Desigo Book, now ready for delivery, will be found a decided improvement upon all former issues; it has been completely remodeled and contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.



Our illustration is that of a group of members of the Connecticut Nurserymen's Association, taken on the grounds of The Elm City Nursery Co. of New Haven, Conn., where the Association met for a field day on Aug. 11 last. After spending a pleasant morning exploring the nurseries the members took the trolley to Savin Rock, Connecticut's Coney Island, where, after a well-served dinner at the Colonnade, the members played "like as they were kids" for the remainder of the day, taking in all the shows from the roller coaster to the flying horses. It was voted unanimously that the day had been most pleasurably spent.



Wiegela Rosea at N. Y. Bot. Gardens, June 6, 1909

(*Concluded from page 375*)

Greenhouse Construction and Heating

matter of placing the wood bar in the socket. It will be noticed that the fascia D is made very much smaller, thus reducing the shadow considerably.

In this construction, however, no provision was made for taking care of the water of condensation from the underside of the roof glass, which would run down the side of the house from the inside of the angle iron eave plate, not alone spoiling the appearance of the house, but also detracting much from its durability; and many growers who used this style of construction found it necessary to add a small galvanized iron gutter along the inside edge of the angle iron plate, so as to catch this water of condensation.

The manufacturers realizing this difficulty added the wood drip piece, L, so as to cause the water to drip directly between the side of the bench and the side of the house, which was an improvement; but as this drip piece is of wood, and catches all the water of condensation, it is not in keeping with the character of the angle iron plate as to durability. It also adds to the total width of the eave plate, making the shadow fully equal to that from the ordinary wood eaves; and, additionally, it is found that should any of the stock growing in the benches extend beyond the edge of the bench a few inches, the drip from this piece drops on the same causing damage. The difficulty of properly handling the water of condensation was so apparent that the Z bar eave plate shown in Fig. 66 was designed, and a patent issued on same to Wm. Sefton in 1901. It will be seen that this Z bar plate consists of two angle irons secured together, forming the Z bar plate, A, the lower angle forming the gutter for the water of condensation and also a support for the upper angle which holds the roof bars, the head of screw M in the upper angle forming the stop for the glass as in the previous instance, the Z bar being secured, by the iron bracket, H, to the angle iron post, E, by the two bolts, J. The water of condensation passing down the roof bar, G, drops into the drip gutter, L, formed by the bottom angle, and is taken from same by means of small pipes placed at intervals. It will be seen that the roof bars, G, are secured to the Z bar eaves by means of the socket C; this being open to the same objection as to enclosing the bar, thus preventing the painting and the circulation of air around same, and also having the tendency to hold the moisture in contact with the wood, which would result in rotting; but this plate was a considerable improvement over the angle iron eave plate in the fact that it accomplished all of the results obtained from same with the very necessary addition of a gutter to catch the water of condensation.

It will be noticed that in placing the two angles together the edges of same do not come in a line, the result being that, in manufacturing, great care had to be taken in the matter of calipering the two angles so as to keep them an even distance apart. This added so much to the expense in the manufacture that it was not at that time placed on the market generally, being only used in a few cases, although the manufacturers have been recently advertising this plate in the trade journals.

In 1905 there was designed and placed on the market the Z bar eave plate shown in Fig. 67, which consists of two angles secured together, the edges of the same being on a line, thus cutting down the cost of manufacture. This was designed and manufactured at first without knowledge as to the patent granted, and met with considerable success, proving so satisfactory that a considerable demand was created for this style of plate.

It will be seen in Fig. 67 that the wood bar G is attached directly to the Z bar eaves, without the use of sockets. This adds considerably to the life of the bar, making it possible to paint same at that point. The difficulty found in connection with this construction is that the small pipes which are necessarily used to carry the water of condensation from the gutter L are liable to become clogged with leaves and other matter, the result when such occurs being that the gutter fills up and overflows. To avoid this difficulty, the writer designed a plate known as the T-bar eave plate, which obviates the necessity of the use of the small plates, and which will be described later.

Culture of Lettuce Under Glass for Winter Use?

Would you kindly inform me what is the best Lettuce to raise under glass for Winter use, that which heads up nicely? I have tried several varieties which did not prove satisfactory.

Yours truly, J. B. C.

—There should be no difficulty in securing a Lettuce that will head up satisfactorily for Winter forcing, providing a few details are carried out. In the first place a much finer grade of Lettuce can be raised from solid beds than from raised benches. Again, temperature and airing plays an important part toward developing this crop. Naturally, Lettuce being a cold-blooded vegetable, requires abundance of fresh air whenever conditions will permit of it; certainly, they will not head if they receive too much coddling.

What conditions do we find when growing this salad in the open? We find Lettuce heading perfectly when the temperature is moderate and the nights a bit cool; observations along those lines are worthy of note. The nature of the soil in which Lettuce is sought to be grown is all important; a very heavy soil is not advisable, particularly for head Lettuce. A good sandy loam, with a liberal amount of thoroughly decayed farmyard manure worked or dug into the bed, is to be recommended.

It is an understood fact that Lettuce, to be appreciated, must be grown quickly, and to bring this about a fairly rich soil is necessary. Ten inches or a foot of good soil is none to much; having this they do not require watering often; far better to give the plants a thorough watering, then no more until necessary. It may often be that while the soil will look dry on the surface there will be an abundance of moisture below. This treatment will cause the roots to penetrate deeply, making for health and vigor of plants, whereas surface watering every day or so would encourage surface roots and the first hot sun would burn them; then, before we realize it, we have a sickly lot of plants or they will not head up to our liking. I do believe a good watering just as they commence to show signs of heading will be of much benefit; even a little nitrate of soda at that stage will assist matters considerably in the way of making for size and solidity; use, say, a moderate tablespoonful of nitrate of soda to three gallons of water; or, if sown between the rows and watered in, it should be used in about the same proportion.

Rawson's Hothouse, Hittinger's Forcing, Boston Market and May King are all excellent for indoor work. If a grade smaller is required, and which will be found to head up quickly, use Ideal or Glasshouse with agreeable surroundings and temperatures suitable for their development. All the varieties mentioned will respond to indoor culture and head up satisfactorily. I have found a temperature of from 40° to 45° night with a rise of 10° to 15° day, according to weather conditions, just right for healthy growth of head Lettuce.

WM. TURNER.

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One of Messrs. Mount's New Houses, Containing Nearly 8,000 Carnations in Pots. The person at left is Mr. Geo. Mount (*See our issue of Aug. 20, page 321*)

Dreer's Fine Ferns, Araucarias and Other Specialties

ARAUCARIAS

ARAUCARIA EXCELSA (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are all of good value, and will be found a profitable investment to grow on for Winter sales.

4-in. pots, 5 to 6 inches high, 2 tiers.....$0.30 each
5-in. pots, 10 to 12 inches high, 3 tiers..... .60 each
6-in. pots, 13 to 15 inches high, 3 to 4 tiers..... .75 each
6-in. pots, 14 to 16 inches high, 4 tiers..... 1.00 each
7-in. pots, 16 to 18 inches high, 4 tiers..... 1.25 each

ARAUCARIA EXCELSA GLAUCA

5-in. pots, 8 inches high, 2 tiers.....$0.75 each
6-in. pots, 10 to 12 inches high, 3 tiers..... 1.00 each
7-in. pots, 13 to 15 inches high, 4 tiers..... 1.50 each

ARAUCARIA ROBUSTA COMPACTA

6-in. pots, 8 inches high 2 tiers.....$1.00 each
6-in. pots, 10 to 12 inches high, 3 tiers..... 1.25 each
7-in. pots, 12 to 14 inches high, 3 tiers..... 1.50 each

FINE FERNS

MIXED FERNS FOR DISHES

We have at all times a good supply of these in good assortment.
2¼-in. pots. $3.50 per 100, $30.00 per 1000.

NEPHROLEPIS SCHOLZELI

(Crested Scott Fern)

A sport from Scottii possessing all the merits of that most popular variety, but with the pinnæ subdivided, giving it a neat crested appearance. 2¼-in. pots. $1.25 per doz., $8.00 per 100, $75.00 per 1000.

NEPHROLEPIS GIATRASII

This variety, introduced last Fall in a very limited way, has proven to be a gem —especially where a perfect specimen is required in a small size. It will develop beautifully in a three, four or five-inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2¼-in. pots. $2.00 per doz., $12.00 per 100, $100.00 per 1000.



Nephrolepis Scholzeli

ASPLENIUM NIDUS AVIS

(The Bird-Nest Fern)

A nice thrifty lot.

3-in. pots .....30c. each, $3.00 per doz.
4-in. pots .....40c. each, 4.00 per doz.
6-in. pots .....$1.00 each

FERNS IN FLATS

These flats contain about 200 plants each, only one variety being in a flat. We cannot supply less than a full flat of any one sort. Price, $2.00 per flat. Ready now.

Adiantum cuneatum
Aspidium Tsussimense
Aspidium Tsussimense cristata
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Lastrea chrysoloba
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Pteris adiantoides
Pteris cretica magnifica
Pteris cretica Wimsetti multiceps
Pteris Wilsoni
Pteris Ouvrardi
Lomaria ciliata

EURYA

Latifolia Variegata. An evergreen shrub with rich dark green foliage, which is beautifully variegated with creamy white; an excellent plant for decoration. 40c. each, $4.50 per doz.

FICUS PANDURATA

(The Majestic Rubber Plant)

A truly majestic plant. Its gigantic leaves, which frequently measure 10 inches in width by 15 inches in length, are irregular in outline, of a rich, deep green with creamy-white veins and of remarkable substance, enabling the plant to flourish under the most unfavorable conditions. One of the finest foliage plants of recent years.

2 feet high.....$2.00 each
3 feet high..... 3.00 each
4 feet high..... 4.00 each

OPHIOPOGON JABURAN VARIEGATUS

A most useful variegated foliage plant. 35c. each, $4.00 per doz.

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IS THE TIME TO PLACE YOUR ORDERS FOR

Hardy Phlox and Paeonias

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WRITE FOR OUR SPECIAL OFFERS FOR ADVANCE ORDERS

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots, good plants.....60c. per doz., $4.00 per 100
3-in. pots, good plants.....85c. per doz., 6.00 per 100
4-in. pots, good plants.....$1.50 per doz., 10.00 per 100

ASPARAGUS SPRENGERI

3-in. pots, healthy, well-colored stock.....75c. per doz., $5.00 per 100
4-in. pots, healthy, well-colored stock.....$1.25 per doz., 8.00 per 100

For a complete list of seasonable stock see our current wholesale list. If you have not received a copy it will be mailed to you on application.

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THAT was merely a fair sample of the Old and New World Novelties and Standard Florists' Supplies which we carry in stock. You were convinced that our Rochester Display of Florists' Supplies was the largest and finest ever shown in America. Some of the special features were our Imported Wreaths, especially "Waldkranze" stock; Tone Ware, for which the firm is sole distributor in the United States and Canada; Prepared Natural Ferns, Orchids in Natural Shades, Magnolia Leaves, Oak Branches, Beech Sprays and Specialties innumerable. Look over your supplies and ascertain what you need. Then look over Our Catalogue and make up your Autumn Order. It will receive our prompt attention.

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California Notes

Readers of these notes have been informed of my travels over the State from time to time, and my impressions of the various sections visited. During the week past it was my privilege to visit a section of Kern Co., located in the southern end of the great San Joaquin Valley. This county has became famous because of its oil fields, and in one of these is the greatest oil well ever discovered or rather drilled in any part of the world. The flow has been a continuous one of 50,000 barrels daily since some time in March last. The oil business, however, is not associated with the agricultural pursuits of the country other than to increase the demand for the products of the orchard, garden and farm, and to provide cheap and reliable fuel for operating pumping plants, for use in the cooking stove and hot water systems of dwellings and greenhouses.

The feature of that part of the county which I shall speak of at this time is the wonderful artesian wells and the country surrounding them. Residing as I did for six years at Bakersfield I had heard of the section and, from the reports of people who owned part of the country and the wells, I was led into the belief that it was one immense swale covered with rushes, sedges and the little fine grass which characterizes boggy ground in the eastern States; that, during the Summer, it was the breeding grounds of black birds, and during the Winter months, the home of wild water fowls. It is amazing when one stops long enough to think of the wonderfully erroneous impressions we get of parts of the world unknown to us from the descriptions given us by travelers who have visited them, and I am led to wonder if what I have to say of California is as misleading as what I have read and heard others say of it. I hope not.

I left Bakersfield at 8 a.m., in a powerful automobile, in company with three young fellows, and strange as it may seem, it was a fact that the driver was a cautious one. The roads were hard and smooth, and practically level. After we got into the country far enough to meet with jack rabbits, one of these fleet-footed creatures sprang up along the roadside and, like a frightened horse in front of a train of cars, did not have sense enough to turn out into the fields, but ran ahead. I have seen them chased by greyhounds to their death, but here was a contest of speed and endurance between a rabbit and an automobile. The driver let the machine out; the little creature laid his long ears flat on his back, as they always do in a hot chase, and the race was on; for a mile it kept up a 50-mile an hour gait, but the machine was the winner.

The distance from Bakersfield to this artesian belt is about 35 miles and, in that distance, is a ranch of 640 acres devoted to Grapes, Prunes, Almonds, Figs and Alfalfa, a veritable oasis in the great desert surrounding it. Readers of the story of the spies sent out to get a report on the land of Canaan for the Israelites may be incredulous about that part of it which relates to the Grapes of Eshcol, but if they were to see the Thompson's Seedless and Flame Tokay as they grow in that vineyard all doubts would be removed; then, too, the sugar contents of the Muscats will bear out the statement that this, too, is a land of milk and honey.

The flowing wells were reached in due time, and what volumes of water, millions of gallons daily! Clear as a crystal and, from an analysis made some years ago by our State University, 98 per cent. pure. Soft as rainwater, it is a luxury to bathe in it; the temperature, 75 degrees F. This feature will be referred to later on. The country surrounding these wells is covered with Sagebrush, which is an indication that no alkali abounds. The water sinks into the earth by the time it gets away a few hundred feet. All the other country is as dry as a dry, warm atmosphere can make it.

All new countries must have pioneers to demonstrate their possibilities, and this one is no exception to the rule. The remarkable part about this section of the State is that while these wells were bored twenty years ago, and agriculturists undertook to establish themselves there, they failed utterly. Now we have the amazing spectacle of two pioneers, one there his third season, who is growing Alfalfa for seed and making a great success of it; the second has been there now eight months; he was for twenty-one years connected with the Weather Bureau in Washington, D. C., he is not a trained agriculturist but a trained thinker. He has established himself on 640 acres, and his work is an object lesson to those who may follow. One of the characteristics of his place is tidiness. Tin cans and other litter that disfigure country homes are not seen. The little outbuildings are whitewashed; the little patch of ground surrounding the house devoted to vegetables is carefully cultivated. The Alfalfa field of three acres, seeded last April, was ready to cut in 120 days from the time the seed was sown, producing one ton of hay to the acre, and it is good for two tons and four cuttings for a decade, beginning next year. The spot is restful to look upon, a delight to the eye, and the man, sustained by his wife and daughter, is F. J. Randolf, who is making this desert and solitary place to blossom as the Rose.

Because of the heat in the water with which he irrigated his Tomatoes, they ripened two months earlier than the same vegetable grown about Los Angeles. Bermuda Onions, seeds of which were sown during October, ripened the latter part of April. This little beginning by an intelligent man is as a beacon to light the way of less courageous hearts in the development of hundreds of square miles of territory, at present without an inhabitant yet within ten miles of a railroad—the main line of the Santa Fé between San Francisco and Chicago. It must be clearly understood that Apples, Currants, Gooseberries, Strawberries and Cherries are not a success in the arid climate, but that Olives, Almonds, Figs, Apricots, Grapes, Pomegranates and Alfalfa grow to perfection.

Experiments to be conducted along original lines are to be carried out next season to determine the time required and the actual cost of production of Tomatoes and Cucumbers.

On July 20 I visited Huntington Beach Nurseries, near this place, to learn whether the Wonderberry was in cultivation there this year. Last year they were a greater success there than at any other place at which I saw them tested. This year they have been planted again, and I observed that they were more vigorous where water was freely applied to them. There, for the first time, have I seen the other member of the Black Nightshade family, a specific name for which I have never seen. It is a native of the Dakotas. The berries are more than four times the size of those of the Wonderberry, and it is quite as prolific; and I have been reliably informed that when cooked it is quite as palatable as the fruit of the Wonderberry; but fresh from the vine it is the nastiest tasting fruit I have yet met with, not excepting ripe Olives fresh from the tree. This is the only instance, in this part of the State, where this fake has been planted the second time. Some men become famous and notorious for their achievements in unexpected ways; the man who claims to have originated the Wonderberry and he who disseminated it, have become both through this one plant, which, with its near relatives, are more widely distributed in the temperate zone than any other of the entire order Solanaceæ.

Prof. Clayton F. Palmer, a member of the Normal School staff of instructors in this city, has prepared a booklet of 76 pages bearing the title "Elementary Horticulture for California Schools." He goes into details with a minuteness not found in any other work on gardening that has ever come under my observation; moreover, by his zeal and enthusiasm he has succeeded in getting pupils of all ages, from first grade in public schools to those who are completing their course in Normal School, to engage in school garden work on the Normal School grounds. Although it is not part of the curriculum, the wisdom of this sort of instruction will eventually become apparent to our boards of education, and instead of the "cramming" process of book knowledge, much of which is of no practical value, gardening to the extent of at least six hours each week will be part of the program of all public schools in this land, where this healthful and interesting work may be carried on every day of the year.

There are methods now employed, in a certain part of this city, for the improvement of the appearance of private grounds, which will do more to cultivate a taste for the beautiful in Nature than all the ordinances which have ever been enacted compelling the citizenship to clean up. It is the offering of prizes for the best kept places; and, one day last week, a woman captured the $250 prize. The Pasadena Gardeners' Association several months ago decided on a similar plan and, backed by the Realty Board of the city, will distribute $500 in prizes to two classes of competitors—owners of homes who do not employ gardeners to care for their places, and those who rent the homes in which they dwell, the awards to be made at the Spring flower show, 1911.

P. D. BARNHART.

To the Trade Who Were Unable to attend the S. A. F. & O. H. at Rochester, We Submit Our Fall Prices of

CRAIG QUALITY STOCK

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall, $5, $6 and $7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots .75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans.....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots, $1.50, $2.00, $2.50, $3.00, $3.50 each

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracænas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready September 15th.
5-in. pots .....$5.00 and $6.00 per doz.

Dracaena Terminalis

This is the best variety for Christmas sales. We will have a superb stock for delivery after Oct. 15; perfect in foliage and exceptionally well colored. We are now booking orders for same for above delivery at the following prices:

4-in. pots, strong.....$25.00 per 100
5-in. pots, strong .....$50.00 and $75.00 per 100
6-in. pots, strong.....$9.00 and $12.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb Stock.
8-in. pots, strong plants, $18.00 and $24.00 per doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers,....$9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

6-in. pots, 3 plants, 24 to 26 in. tall....$9.00 doz.
Heavy 6-in. pots, 3 plants, 28 to 30 in. tall, ...$12.00 doz.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall...$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall...$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall..$3.50 each

Pandanus Pacifica

Very handsome plants.
11-in. tubs,....$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $1.50, $2.00, $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy.....$6.00 and $9.00 per doz.
8-in. ¾ pans, heavy.....$15.00 per doz.
10-in. ¾ pans, heavy.....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strongs plants..$6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots.....$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Bostoniensis Harrisii

The greatly improved Boston. Especially good in large plants.

11-in. tubs, very handsome.....$3.00 each

Neph. Scottii

Our stock in superb condition.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots .....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome.....$18.00 per doz.

Otaheite Oranges

We can supply plants with from 4 to 15 fruit. When shipped prior to October 1—15c. per fruit in green state. When fully ripened—25c. per fruit for Christmas.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

2½-in. pots, twice shifted, $15.00 per 100, $140.00 per 1000
4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, Sept. 15 delivery.....$50.00 per 100
3-in. pots, ready now.....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of LIGHT BEGONIA LONSDALE sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

4-in. pots, heavy, $25.00 per 100, $225.00 per 1000
5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots .....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants.....$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy..$8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy....$9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Pandanus Veitchii

Ready October 1.

4-in. pots .....$6.00 per doz., $45.00 per 100
6-in. pots.....$12.00 per doz., $90.00 per 100

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth & Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By A1 designer and salesman in New York flower store. Address C. F., care The Florists' Exchange.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By single man, grower of general stock and cut flowers. Please state full particulars in first letter. Address C. A., care The Florists' Exchange.

SITUATION WANTED—By an experienced man as superintendent of landscape work. Best of reference. Address S. H., Box 134, Glen Cove, (L. I.) N. Y.

SITUATION WANTED—By young man as an assistant to Rose growers; references furnished. State wages. Address D. B., care The Florists' Exchange.

SITUATION WANTED—By all-round grower, single, 15 years' experience. Private or commmercial place. Able to take charge. Address D. D., care The Florists' Exchange.

SITUATION WANTED—By young German, single, as assistant. Practical experience in greenhouse work and outdoor gardening. References. Address D. N., care The Florists' Exchange.

SITUATION WANTED—As working foreman, by a German, married, 39, on private or commercial place; good habits, sober, good worker. Address D. K., care The Florists' Exchange.

SITUATION WANTED—By young man as assistant gardener on private or commercial place. Good grower of Roses, Carnations, 'Mums and general greenhouse stock. References. State wages. Address D. C., care The Florists' Exchange.

SITUATION WANTED—By gardener, German, middle aged, single; understands well how to take care of greenhouses, flower beds, vegetables and Mushrooms. First class references. Private place preferred. Address D. A., care The Florists' Exchange.

SITUATION WANTED—As foreman; first class grower of Tea Roses, 'Mums, Carnations, Peas, Christmas, Easter and bedding stock. 22 years' experience. Please state particulars in first letter. Address B. E., care The Florists' Exchange.

SITUATION WANTED—By first-class gardener; competent grower of all seasonable cut flowers, pot and bedding plants. Life time in the business and able to produce the stuff. Active, reliable, sober man, German, 41. Pittsburg preferred. Address Max Armbruster, Good Hope, D. C.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober; good worker; a first-class all-around man. 25 years' experience from first-class private and commercial places on underglass and outside work. Experience in growing Roses, Carnations, Chrysanthemums; good designer and maker-up. Only a well-kept and up-to-date place desired. First-class references. Please state wages and particulars in first letter. Address W. B., care Mr. Blasberg, 2153 Seventh Ave., N. Y. City.

HELP WANTED

WANTED—Young lady for florist store in Brooklyn. Must have good references. Address D. E., care The Florists' Exchange.

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Experienced greenhouse man as assistant in growing Carnations. Apply sending references to J. D. Cockcroft, Northport, L. I.

WANTED—Young man, 18 years of age with some experience in greenhouses. Board on place, good wages. Apply personally to Otto Lanke, Elberon, N. Y.

WANTED—Immediately German gardener for Roses, Carnations, Chrysanthemums and Plants. West Side Greenhouses, Bethlehem, Pa.

HELP WANTED

WANTED—Two young florists as helpers in Carnation houses. Address Pittsburgh Cut Flower Co., Gibsonia, Pa.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—A No. 1 Rose Grower, single; good salary paid. Apply by letter only, sending references, B., c/o Knight & Struck, 1 Madison Ave., New York City.

WANTED—Men for Rose sections in large place near New York. Permanent positions to competent parties. Address D. F., care The Florists' Exchange.

WANTED—An Auctioneer's Clerk to take down sales and attend to receiving and shipping; only a live man wanted. Wm. Elliott & Sons, 42 Vesey St., New York City.

WANTED—By New York house a practical young seedsman; one with road experience preferred. Apply, stating wages expected, etc., to C. B., care The Florists' Exchange.

WANTED—Night fireman. Apply John Young Co., Bedford, N. Y.

WANTED—Assistant foreman on large commercial place where Roses and Carnations are grown. Wages $75.00 per month. State full particulars. Address D. G., care The Florists' Exchange.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understand thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A first-class florist capable of handling retail flower store. Must be good designer and decorator, as well as a good salesman. State age, experience, salary expected, and give reference in first letter. Address D. L., care The Florists' Exchange.

WANTED—Good grower of Roses, Carnations, 'Mums, and general stock; must be sober, reliable willing worker and single. English or American; Protestant. Good wages to man of ability. Send copy of references. Address D. H., care The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

FOR SALE—4,000 fine healthy Carnation plants. All choice varieties; very reasonable prices. Address Arthur Coombs, Florist, West Hartford, Conn.

FIELD-GROWN CARNATIONS
Field-grown, strong, healthy plants:
Enchantress, Rose Pink Enchantress, White Perfection, Lawson and Queen, $6.00 per 100, $55.00 per 1000. P. R. Quinlan, Syracuse, N. Y.

FINE CARNATION PLANTS

Field grown Queen Louise, Lady Bountiful, Red Sport, 3-in pots Lawson, Var. Lawson, White Lawson; all clean and perfectly healthy stock. $1.00 per 100, $35.00 per 1000. Cash with order. Virginia Nursery Co., Purcellville, Va.

CARNATIONS.
Fine Plants.
2000 Queen Louise.
1500 Thomas W. Lawson.
250 Winsor.
$5.00 per 100; $40.00 per 1000.
Cash with orders.
Swenson, Florist, Wiasted, Conn.

FIELD-GROWN CARNATIONS

STOCK FOR SALE—Field grown Carnations, strong healthy plants, 6000 Lord, first size, $35.00 per 1000; second size, $30.00 per 1000. 1000 Queen and 1000 Victory, second size, $30.00 per 1000. 2000 Lawson, first size, $40.00 per 1000. Julius Chevalley, Blue Point, L. I

FIELD-GROWN CARNATION PLANTS.
Enchantress .....$6.00 per 100
Winsor ..... 5.00 per 100
Queen and Harry Fenn..... 4.00 per 100
By the 1000, 10 per cent. discount.
Cash, please.
John L. Lundsted,
Passaic, N. J.

CARNATION PLANTS.
Clean, healthy stock.
300 Winsor, first size.
200 Winsor, second size.
175 Pink Enchantress, first size.
100 Pink Enchantress, second size.
100 Pink Imperial, first size.
125 Pink Imperial, second size.
100 White Enchantress, second size.
100 Patten, second size.
$4.00 and $6.00 per 100.
Cash with order, please.
Geo. W. Russell,
Fishkill-on-Hudson, N. Y.

STOCK FOR SALE

CARNATIONS

FIELD-GROWN CARNATION PLANTS.
Fine, heavy plants, well branched.

	Per 100
Rose Pink Enchantress	$6.00
Enchantress	6.00
White Perfection	6.00
Smaller Plants:	
Winsor	5.00
Harlowarden	5.00
Patten	5.00

Cash with order. Can ship U. S. Express.
Sunnyside Greenhouse, Dover, N. J.

MISCELLANEOUS

FOR SALE—Freesia Bulbs, extra fine. Grace Court Greenhouses, Milton, N. Y.

CINERARIA STELLATA—Fine, large plants, $1.00 per 100 or $8.00 per 1000. George Main, Gloversville, N. Y.

STOCK FOR SALE—Stevia, well-rooted cuttings, 75 cents per 100.
Henry Holzapfel, Jr., Hagerstown, Md.

STOCK FOR SALE—Smilax, 2½-in. pots. $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

FOR SALE—Extra strong Winsor, field-grown Carnation plants, at $5.00 per 100. Strong Asparagus Plumosus Nanus out of 3½ in. pots, at $7.00 per 100, $65.00 per 1000. Address Kramer Bros., Farmingdale, L. I., N. Y.

CYCLAMEN PERSICUM GIGANTEUM
In Mixed Colors, Fine Shades, 3 inch, $5.00 per 100; 4 inch, $10.00 per 100.
J. W. MILLER, Shiremanstown, Pa.

VIOLET CLUMPS

Princess of Wales and California Violets, extra fine field grown clumps, $4.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $1.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

ROSE PLANTS

Perles and Richmond from 3-in. pots at 3c.; Brides and Bridesmaids from 2½-in. pots at 2½c.; from 2¼-in. pots at 2c. Satisfaction guaranteed. Brant Bros., Inc., Utica, N. Y.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
200 Gardenias (extra fine), at 16 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $2.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses,
Pine Brook, N. J.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsettii, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs, or Nursery Stock.

Asters Wanted

We wish consignments of first class Asters. Good prices and prompt settlements.

A. L. YOUNG & CO.
WHOLESALE FLORISTS
54 West 28th Street, New York City
Please mention the Exchange when writing.

FOR SALE OR RENT

FOR SALE—Greenhouse business in town of thirty thousand. Bargain if bought at once. Cash. A. D. Montgomery, Hazleton, Pa.

FOR SALE—Two greenhouses with lot and business. Area of houses, six thousand square feet. Right price to quick purchaser. Reasons for selling, sickness. Apply to Franz Weiskopf, 354 First avenue, Bethlehem, Pa.

FOR RENT—On account of death, 2 greenhouses and dwelling house, situated on main street at Patchogue, L. I. For particulars apply to Mr. Peter Waters, Patchogue, L. I., N. Y.

FOR SALE—Retail place, 8 miles from New York, 3 greenhouses on leased land with the first option to buy, 4 more years' lease. All in perfect condition, just step in and do business. Price $2750, all cash. Reason for selling: my wife's health. Address D. M., care The Florists' Exchange.

FOR SALE—Greenhouse establishment with four well stocked semi-iron frame greenhouses, good barn and out-buildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last four years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address D. J., care The Florists' Exchange.

FOR SALE.
On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of eight rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.
H. Kuhnert & Son,
Hackensack, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, greenhouse plant, 15,000 to 20,000 feet of glass with dwelling and two or more acres of land, near New York. State full particulars in first letter. Address B. G., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—20 H. P. high pressure upright steam boiler, in A1 condition. Cash $25.00. Geo. W. Sutherland, Athol, Mass.

FOR SALE—100 sashes, cheap. E. Romein, 1243 Brooklyn Ave., near Ave. D, Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—1 Furman hot water boiler No. 8, in good condition. Come and see it working.
L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE—Lord & Burnham 8-section steam boiler, rated to heat 2100 feet of 1¼-in. pipe; can be made into hot water boiler. Price $100.00. One Scollay hot water boiler rated to heat 1500 feet of 4-in. pipe, 6 sections, price $75.00. Both boilers in perfect condition; used five seasons. L. W. Acheson, Pittsfield, Mass.

JUST THE THING FOR HOT HOUSES.
FOR SALE—At a sacrifice to a quick buyer, 48 sashes 80x45, glazed, with lights 11x14; 6 sashes 60x72, glazed lights 26x35, and a number of smaller sashes. No reasonable offer refused. Apply or communicate with MARCUS COHN, 112 Ellison Street, Paterson, N. J., Box 1515.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 76 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¼c. per ft.; 3½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1¾ in. x 8 x 8 ft., $6c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.06. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 18x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 18x20 to 18x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $28.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER

Box 86L DOUGLASSVILLE, PA

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 16 ft. and up, at 2.95c. per ft.

60,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 16 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 30 ft. at 6.46c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 16 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

10,000 CELERY PLANTS LAST CALL

Transplanted, well rooted, none better. Giant Pascal, White Plume and Golden Heart, $2.50 per 1000. Wm. C. Lester, Plainville, Conn.

Please mention the Exchange when writing.

New Bedford, Mass.

Trade has been good the past week. Asters are the main thing to depend on just now, retailing at 35c. per dozen. Roses are very fair at $1 and $1.50 per dozen retail. Sweet Peas are getting poor and short-stemmed; they sell at 50c. per 100; Gladioli at $1 per dozen. Outdoor flowers for making bouquets are quite plentiful. Funeral work is good, using up lots of flowers.

R. H. Woodhouse is busy housing his young Carnations; they have made good strong plants. He will also have about 3000 Violet plants.

The late crop of Asters have just begun to come in; this consists mostly of Vick's late branching sorts. E. H. Chamberlain used up an enormous lot of Asters and Roses the past week for a funeral.

'Mum stock in general is looking well. We have had a good growing season all the way through.

Early closing is still the rule and will be for quite a little while yet.

HORTICO.

Greenhouse Building

ANDERSON, IND.—Stuart & Haugh are completing alterations on two of their big greenhouses on Jackson st. The buildings have been given new roofs and the frames have been changed.

RUTLAND, VT.—The greenhouses of the Baker seed house on Park st. are to be enlarged. Two houses are to be torn down and one new structure built in their place, making the building 100 x 40 ft.

NEW MARTINSVILLE, W. VA.—C. C. Handerschilt has purchased a five acre tract of land in Lisbon, O. He will erect a large greenhouse on the property and will grow potted plants for the city trade.

FAIRMOUNT, IND.—The greenhouses owned by the Misses Addie Dare and Mary Pearson on South Mill st. are to be doubled in size to meet the increasing demand upon the firm.

MISSOULA, MONT.—Chas. Dallman of the Missoula Nurseries is having constructed several new greenhouses; the work is well under way.

ORLANDO, FLA.—Another large greenhouse is being erected by Luther the Florist, in the rear of others already built, corner Orange and Livingston aves.

Notes

SOUTH SUDBURY, MASS.—Solomon A. Anderson is a petitioner in bankruptcy; liabilities are $2001; assets, $40.

LANCASTER, N. Y.—Wm. J. Palmer of Buffalo, who is the owner of extensive greenhouses here, has purchased the Hummell property on Central ave., near the Erie Railroad.

DANVILLE, ILL.—John Willius, the North Vermillion st. florist, is bankrupt. His liabilities are set forth in his petition as $6363.52, while his assets are given as $6695.

FARGO, N. D.—The name of the Fargo Floral Co. has been changed to that of Smedley & Co. and will be in charge of florist T. D. Smedley, who has had several years' experience in the business. The capacity of the store has been enlarged to four times its former size.

OROVILLE, CAL.—Jonathan Begg, the local nurseryman, who has reached the age of 80 years, is suffering from an aggravated attack of fever and is in a serious condition.

NEW BEDFORD, MASS.—James H. Cleary, 245 Brownell st., has filed a petition in bankruptcy. He owes $2783; assets, $1802.

BOSTON, MASS.—Frank J. Reynolds has filed a petition in bankruptcy. Liabilities are $2145; assets, $300.

PLYMOUTH, IND.—Fire on Saturday, Aug. 13, destroyed the house and contents of James Wickizer, nurseryman. There was no protection and everything was soon reduced to ashes.

LINCOLN, NEB.—The warehouse of the Griswold Seed Co. was destroyed by fire. The loss will be about $30,000, fully covered by insurance. It is believed that lightning caused the fire. Rebuilding will begin at once.

HEMPSTEAD, N. Y.—Edward Brothers, son of Fred Brothers, florist, is spending his vacation of two weeks in the Catskill Mountains.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1 00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

SOME FINE FIELD-GROWN STOCK

	Per 100	Per 1000
Vinca Variegata, Field-grown	$5.00	$45.00
Stevia, 3-inch pots, strong plants	4.00	
Viola Sinclair, Carnation Plants, field-grown, strong	5.00	45.00
Splendor, Carnation Plants, field-grown, strong	5.00	

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

Commission Men Notice

You can't expect to work up trade shipping in Paper Boxes, without using

Binley's Cut Flower Holder

No smashed boxes and bruised flowers wherever they are used.

Send Postal Card for samples and price list, stating size of boxes used.

Patented in the United States. Canadian Patent applied for.

GROWERS

If you weren't at the CONVENTION you didn't see the

Binley Cut Flower Holder

For holding Roses and Other Flowers, when shipped in Paper Boxes.

Save Express Charges for Your Customers

We booked orders for thousands and received nothing but praises for the invention. A Postal with your name is enough, stating width of boxes used.

A. J. BINLEY, Manufacturer, **Glens Falls, N. Y.**

Please mention the Exchange when writing.

CARNATION PLANTS

Field-Grown, good stock, $5.00 per 100

10,000 Enchantress 5,000 Beacon

D. T. McCARTHY & SONS

NURSERYMEN and FLORISTS

LOCKPORT, N. Y.

Final Rochester Registries

Cook, Wm., and wife and two friends.
Yale, T. G., Wellington, O.
McKenna, James, Montreal, Canada
Mills, C. O., Jacksonville, Fla.
Craig, Robt., Philadelphia, Pa.
Pfeiffer, Miss Laura, Cincinnati, O.
Sindeman, Miss Elsie, Cincinnati, O.
Robinson, Geo. A., Montreal, Canada
Miller, F. H., Bracondale, Ont.
Leuly, Emil, W. Hoboken, N. J.
Whilldin, John G., Philadelphia, Pa.
Baur, Alfred, Wilkesbarre, Pa.
Merritt, Harry, Irondequoit, N. Y.
Smith, J. J., Danville, Ill.
Smith, H. E., Danville, Ill.
Wilson, Andrew, Summit, N. J.
Boyle, Jas. P., Lyons, N. Y.
Brozat, J., Bloomfield, N. J.
Heckman, Jr., A. C., Cincinnati, O.
Dilger, Wm., Detroit, Mich.
Cowgill, V. O., Salem, O.
Wallace, Samuel, Buffalo, N. Y.
Kilbourn, R., Clinton, N. Y.
Guenther, C. T., Hamburg, N. Y.
Hanson, Sam., Troy, N. Y.
Wyman, W. W., Rochester, N. Y.
Foley, Philip J., Chicago, Ill.
Bolles, G. A., Brooklyn, N. Y.
Bushinger, C. W., New Hartford, N. Y.
Wintzer, Antoine, West Grove, Pa.
Bragne, L. H., Hinsdale, Mass.
Oliver, G. R., Bradford, Pa.
Sage, E. B., Red Rock, Pa.
Craig, Wm. P., Philadelphia, Pa.
Skidelsky, S. S., Philadelphia, Pa.
Juergins, L., Peoria, Ill.
Baker, H. S., Warsaw, N. Y.
Teal, David J., Corfu, N. Y.
Secker, A. H., Rochester, N. Y.
Denison, J., New Philadelphia, O.
Bunyard, Harry, New York City
Schmidt, J. C., Bristol, Pa.
Rahaley, R. M., Detroit, Mich.
Spenson, G., Elmhurst, Ind.

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also **Celeriac,** $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Randolph Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

SEEDS

Imported From France

400 lbs. Globe Radish, 400 lbs. Spinach, 50 lbs. Corn Salad, 20 lbs. Endive, 10 lbs. Welsh Onion, 20 lbs. Strasburg Radish, 20 lbs. White Onion, 40 lbs. Lettuce, 5 lbs. Pansy, 4 oz. Daisy, 4 oz. Hollyhock.

BEAULIEU

Woodhaven, N. Y.

Please mention the Exchange when writing.

Commercial Violet Culture Price $1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

EVERY DAY

New Fresh Ribbons come from our Looms; these are the qualities we offer

DIRECT TO THE FLORIST

Lowest prices, best qualities.
Samples will prove assertions; postal brings samples

The Pine Tree Silk Mills Company
Philadelphia, Pa.

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

And are enabled to supply large and small sizes in any quantity and at most attractive prices. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples and lowest prices cheerfully sent upon application. Correspondence solicited.

CHAS. W. JACOB & ALLISON

18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS. RAFFIA, BARK CLOTH, ETC.

Please mention the Exchange when writing.

Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15 00 or more

Climax Manufacturing Co.
CASTORLAND, N. Y.

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

Cincinnati

Business during the forepart of last week was exceptionally good owing to several prominent funerals. American Beauty are coming in fine and selling fairly well for the time of year. Gladioli, Asters, Pond Lilies and L. auratum, as well as L. longiflorum, are selling well.

During the past week the Hamilton County fair was in vogue. Ben. George and J. T. Conger were the exhibitors in the cut flower department. Chas. McCrea and Chas. Hoffmeister were the judges; they managed to divide the premiums very nicely between the two gentlemen so that, aside from the money part of it, they secured a good advertisement, and their display was very creditable, showing the flowers in season.

Chas. W. Crouch and C. L. Banm of Knoxville, Tenn., passed through here Saturday evening on their way home from Rochester; they report having a good time, and say that the Rochester convention was a success. I am very glad Baltimore was successful in securing the next convention. E. G. GILLETT.

Indianapolis

A. F. J. Baur, Homer Wiegand and John and Irwin Bertermann have returned from the convention. All speak well of the same and say they had a delightful time in the Flower City. Much was accomplished at the business sessions and the trade display was fully up to the standard.

Tomlinson Hall Market is well supplied with Asters and other field grown flowers. Business there is better than other years owing to a fair continuance of the retail trade.

Mr. and Mrs. John Bertermann are spending a few weeks at Lake Wawasee.

George Wiegand has taken an auto trip to Canada.

A. S. Benson is prominent in the Summer charitable fair now being held at Wonderland. An auto load of Laurels, in the local press, bearing his adv. more than repaid him for his efforts.

Mr. and Mrs. Henry Rieman have returned from an extended trip to the West which included Yellowstone Park and the geyser region.

Alvin Schreiber is on a business trip to Cleveland and Cincinnati. I. B.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

WIRED TOOTHPICKS

50,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,

2-8 Duane Street, New York

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

EST. 1874 **Jno. V. Phillips** — BROOKLYN, N. Y. — FLORIST — 272 Fulton Street — Telephone, 319 Main

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank E. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.



Our illustration is of an Orchid and A. Farleyense Fern 30-in. wreath, which was sent, last November, by the employees of the U. S. Propagating Gardens at Washington, D. C., upon the demise of Geo. H. Brown, who was superintendent of Public Buildings and Grounds of that city.

The Park Floral Co — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Mesaba	Aug 27	9.00 am.	W. 16th St., N. Y.	London
Philadelphia	" 27	10.00 am.	W. 23rd St., N. Y.	Southampton
Berlin	" 27	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 27	11.00 am.	W. 18th St., N. Y.	Antwerp
Caledonia	" 27	12.00 m.	W. 24th St., N. Y.	Glasgow
Arabic	" 27	12.00 m.	W. 21st St., N. Y.	Liverpool
California	" 27	3.00 pm		Havre
Hudson	" 27		W. 44th St., N. Y.	Bord'x-Dunk'k
Italia	" 27		Un. St'rs, Bklyn	Naples
New Amst'rdam	" 30	10.00 am.	5th St., Hoboken	Rotterdam
Kronpr. Wilhelm	" 30	10.00 am.	3rd St., Hoboken	Bremen
Europa	" 30	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Moltke	" 30	2.00 pm.	1st St., Hoboken	Gib-Nap-Geno
Mauretania	" 31	9.00 am.	W. 14th St., N. Y.	Livernool
M. Washington	" 31	1.00 pm.	Bush Dks, Bklyn	Nap-Pat-Tr'ste
Teutonic	" 31	3.00 pm.	W. 21st St., N. Y.	Southampton
Pennsylvania	" 31	3.00 pm.	1st St., Hoboken	Hamburg
La Lorraine	Sept 1	10.00 am.	W. 15th St., N. Y	Havre
Gr's'r Kurfuerst	" 1	10.00 am.	3rd St., Hoboken	Bremen
Oscar II	" 1	2.00 pm	17th St Hoboker	Copenhagen
Campania	" 1		Pier 38, Bklyn	Rotterdam
California	" 3	9.00 am.	W. 24th St., N. Y.	Glasgow
Minnewaska	" 3	9.30 am.	W. 16th St., N. Y.	London
K. Aug. Victoria	" 3	10.00 am.	1st St., Hoboken	Hamburg
Caronia	" 3	10.00 am.	W. 14th St., N. Y	Liverpool
St. Louis	" 3	10.00 am.	W. 23rd St., N. Y	Southampton
Baltic	" 3	11.00 am.	W. 21st St., N. Y.	Liverpool
Vaderland	" 3	11.00 am.	W. 18th St., N. Y.	Antwerp
Duca d' Aosta	" 3	12.00 m.	W 34th St., N. Y	Naples-Genoa
Birma	" 3	2.00 pm.	Bush Dks. Bklyn	Rotdam-Libau
Chicago	" 3	3.00 pm.		Havre
Madonna	" 3		31st St., Bklyn	Naples
Patris	" 3			Nap-Piraeus Pat-Smyrna
Montevideo	" 5		Pier 8 East River	Cadiz Barcel'a Genoa-Naples
Ka. Wilhelm II	" 6	10.00 am.	3rd St., Hoboken	Bremen
Noordam	" 6	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 7	9.00 am.	W. 14th St., N. Y.	Liverpool
Bleucher	" 7	1.00 pm.	1st St., Hoboken	Hamburg
Oceanic	" 7	3.00 pm.	W. 21st St., N. Y.	Southampton
La Provence	" 8	10.00 am.	W. 15th St., N. Y.	Havre
Pr. F'd'k Wilhelm	" 8	10.00 am.	3rd St., Hoboken	Bremen
Verona	" 8	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Pannonia	" 8	12.00 m.	W. 14th St, N. Y.	Gib-Nap-Tr'ste Fiume
From Boston				
Ivernia	Aug 30	5.00 pm.	B&A Dks, E Bos	Liverpool
Cestrian	" 31	5.30 pm.	B&A Dks, E. Bos.	Liverpool
Parisian	Sept. 2	9.00 am.	Mystic Whf Char	Glasgow
Cymric	" 6	12.00 m.	B & M Dks. Char	Liverpool
Philadelphia				
Haverford	Aug 27	10.00 am.	53 So. Wharves	Liverpool
Marquette	Sept 2	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 3		24 No. Wharves	Glasgow
Verona	" 7		80 So. Wharves	Naples-Genoa
Merion	" 10		53 So. Wharves	Liverpool
San Francisco				
Nippon Maru	Sept. 6	1.00 pm.	1st Street	Honolulu
Siberia	" 13	1.00 pm.	1st Street	Japan
China	" 20	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Grafiot Ave

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hill & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill

Our Motto—THE GOLDEN RULE

A. T. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 398

To Reduce the Cost

and Encourage and Facilitate the ordering of Flowers by Wire

USE

Arnold's Telegraphic Code No. 16

FOR

FLORISTS and ALLIED INDUSTRIES

$2.50 per copy

One copy free to Yearly Contract Advertisers in our "Directory of Reliable Retail Houses."

Important to Florists and Greenhouse Men

We manufacture Bestol Paint with Bestol, a product of recent invention. We can prove to your entire satisfaction that it is by far the best and most economic Paint in the world for all purposes.

Our Special Greenhouse White, $1.25 per gallon.

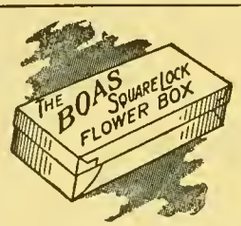
BEST OIL COMPANY
Hudson Terminal Bldg.
30 Church Street
NEW YORK CITY
A. J. GUTTMAN, President and General Manager

Please mention the Exchange when writing.

"To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES AND COLORS

OUR GLAZE BOXES ARE SUPERIOR TO ALL.

Write For Samples and Prices

WILLIAM J. BOAS & CO.
1042 Ridge Avenue, PHILADELPHIA, PA.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100; **Killarney,** 5-in., 35c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

In regard to yours of the 20th., as to inserting my advertisement of Carnation Plants again this season, would say: I am all sold out—from the advertisement inserted with you a year ago, as parties buying plants at that time, wrote to me again this year—your advertisement and a square deal doing the trick.

Address of this advertiser on application.

FERNS NOW READY

Heavy, Large Plants, from Bench $25.00 per 100.

BOSTON, SCOTTII and WHITMANI

Sea Cliff Nurseries SEA CLIFF N. Y.

Please mention the Exchange when writing.

CYCLAMEN

4-inch pots .....$1.50 per dozen
5-inch pots..... 3.00 per dozen

CINERARIA

For Christmas, 5-inch, ready for shift into 6-inch pots, $1.50 per dozen.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

ROSES

250 strong **Perles,** from 3-inch pots, $5 00 per 100. Cash with order

ROBERT WILLIAMSON, Guttenberg, N. J.

Please mention the Exchange when writing.

PROVIDENCE, R. I.—Owing to shortage of green feed the seedsmen have had considerable sales in Millets, Barley, etc., for late Fall green feed. Timothy has advanced in price for best quality of seed to $3.25 per bushel, while some cheaper grades are sold for $3. Many of the leading farmers of this section are waking up to the fact that the cheapest seed do not always give the best returns. Alfalfa is being sown considerably this season, the best seed bringing from 22c. to 25c. per lb.; Alsike, 20c. to 25c.; Red Clover, 17c. to 20c.; Clean Red Top, 17c. to 20c. H. C. N.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(42) **Fertilizer for Violets. Waterproof Preparation for Cloth.**—What fertilizer should I apply to my Campbell Violets now? They are growing in cold frames. The soil is in Violets for the first time. It is very rich, about 8 in. deep, with a red clay subsoil. I put eight two horse wagon loads of manure on the 3600 sq. ft. of hotbed. The Violets are growing well. It is not practical for me to use liquid manure. I have the book on commercial Violet culture. I shall protect the plants from frost by using a covering of duck—a thick cotton cloth. What preparation should I paint the cloth with to make is waterproof and protect it from the weather?—J. C. S., Georgia.

—(1) As the soil is naturally rich and manure has already been applied freely, it would hardly seem that the Violets would, at present, need any more fertilizer. If, however, they need fertilizer, apply a mulch of well rotted horse manure, just enough to cover the ground, and work well up around the Violets. Read "Commercial Violet Culture" pages, 131 to 133 inclusive. (2) Procure 3 pints of pale linseed oil, 1 oz. sugar of lead, 4 oz. white resin. Grind and mix the sugar of lead in a little oil, then add the other materials, and heat in an iron kettle. Apply hot to the cloth, with a brush. It is also suggested that heavy "plant protecting" cloth already prepared can be bought of any of the leading seed houses.

(43) **Stocks for Pot Sales on Memorial Day.**—I need a good dwarf Stock, red and white, for pot sales on Memorial Day, 4-in. or 5-in. pots. What are the two best varieties for that purpose, and when shall I sow seed? How shall I treat the plants afterwards to have them in bloom on that day?—F., N. Y.

—The following varieties are among the best: Beauty of Nice, a delicate flesh pink; Queen Alexandra, a rosy lilac; Snowflake, snow white; Empress Elizabeth, carmine-rose. Sow the seed about Jan. 1. When the plants are large enough, prick off into 2½-in. pots, and give a shift when necessary. Give a night temperature of 48° to 50°, and 10° higher in the day time. For soil, use a rich loamy compost.

(44) **Trouble with Ants in Greenhouses.**—I would like to hear from some one who has been as unfortunate as I am in having their houses infested with small ants—as to how they got rid of them.—W. M. P., N. Y.

—It is not stated whether the houses are infested by white ants or some other kind. If they are white ants, the colonies are probably located in the decayed boards or posts of the greenhouse, and can be destroyed by the direct application of kerosene, or some other petroleum oil, to the main nest. If the ants are those which burrow in the ground, forming ant hills, pour a tablespoonful of bisulphide of carbon into holes about 6 ins. deep and 1 ft. apart, and fill up the holes immediately.

(45) **Winter Stock for Forcing.**—I would like to know what varieties of Gladiolus and Sweet Peas are best to grow for table decorations, for Winter use, and how soon to plant? How long would it take cold storage Lilies, rubrum and new stock of auratum, to bloom, in temperature of from 55° to 60° at night? Are Akebia quinata and Kudzu vine hardy where 25° below zero exists occasionally in Winter?—M. J., Mass.

—Use the "Winter-flowering" varieties of Sweet Peas, white, pink, and lavender. You will find the seeds advertised now in our columns. Plant now. Use Gladiolus Colvillei alba, The Bride, color white; Blushing Bride, color white and crimson; America, one of the very best, color flesh pink; Augusta, color white with blue anthers; Brenchleyensis, color vermilion scarlet; May, color white flaked rosy crimson. Begin planting in October and plant every ten days for succession of blooms. It will require from five to six months to bring your Lilies into bloom. The Akebia quinata would probably survive your Winters, but it is doubtful whether the Kudzu Vine would come through safely.

(46) **Moving Raspberries and Asparagus.**—I have an Asparagus bed, also Raspberries, a few years in the same place (say 3 to 5 years) and I want to move them to a new place. In the case of Raspberries, would you advise me to lift the clumps bodily, or divide; the canes are 8 ft. long, from 4 to 8 in a clump? How soon could they be moved with safety? The Asparagus may be moved in Fall or Spring, as it is not in the way for the present. If we have to divide Raspberries, how should it be done? I mean to 1-2 or more canes. Will they bear fruit next year all right? —M. J., Mass.

—After heavy frosts have caused the leaves to drop, and sent down the sap, lift the old Raspberry clumps; shake them out thoroughly and select only the young plants. Also take up the young plants which have sprouted around the old clumps as these are the more valuable; set out separately. You may move your Asparagus either in the Autumn, or very early Spring, preferably the latter.

(47) **Caterpillars Destroying Foliage on Camperdown Elms.**—W. H. D., N. Y.

—Use Paris Green or Arsenate of Lead in the Proportion of one pound to 200 gallons of water in combination with the Kerosene Emulsion.

(48) **To Exterminate Russian Thistle?** —E. K., Pa.

—If the land is in grass or pasture it is suggested that you go over it with some sharp implement, and cut out the thistles, going down deep enough into the ground to get well below the crown. Follow this up and do not permit a single plant to bloom and seed. If you are going to plow the land, thorough cultivation will soon exterminate the thistle.

(49) **Buds on Seedling Zurich Salvias Fail to Mature.**—I have a bed of Zurich Salvia which are growing finely; the flowers set but do not come to maturity; they were seedlings. Can you tell me the reason for growing thus and if there is any way to make the flowers fully develop?—E. A. L., N. Y.

—In the case of the seedling Salvias, this rank growth of foliage attended by a blighting of the blossom buds sometimes occurs, especially in case of the first buds, and also when planted in a rich moist soil and a shady location. It is suggested that just as soon as a spike of buds appears the lateral branches just below the buds be at once nipped off so as to allow all the strength to go into the buds. Even without this treatment flowers will probably be produced as the season advances and the plants become more mature.

FERNS

Boston, Elegantissima and Piersoni, out of bench, suitable for 5 and 6-inch pots; 4-inch, $10.00 per 100; 5-inch, $20.00 per 100; 6-inch, $30.00 per 100. Ready September 1st. Cash with order please.

E. L. RILEY, R. F. D. No. 2, TRENTON, N. J.

Please mention the Exchange when writing.

"CHRISTMAS CHEER"

The New Pot-Carnation Variety

A Decided Hit at the Convention

Don't delay placing your order for Early Delivery

$15.00 per 100, $125 00 per 1000

It's guaranteed to make you happy!

H. EICHHOLZ
FLORIST
WAYNESBORO, PA.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.
JOLIET, ILL.

Please mention the Exchange when writing.

FIELD GROWN CARNATIONS

	Per 100
1000 Enchantress	$4.00
500 Rose Pink Enchantress	4.00
500 Harry Fenn	4.00
500 Mrs. Patten	4.00
1000 Beacon	4.00
500 Winona	4.00
2000 Afterglow	4.00

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.

Please mention the Exchange when writing.

CARNATIONS
ROOTED CUTTINGS
In Season
WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

CARNATION PLANTS

1575 Red Victory, 700 Winsor, 420 Pink Lawson and 225 Boston Market at $4.00 per hundred. Inquire THEO. KEMPER, 149 Union Ave., Irvington, New Jersey.

Please mention the Exchange when writing.

Carnations
F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Carnation Plants

Clean, healthy field-grown **Carnation Plants.** This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

	100	1000
Pink Enchantress	$6.00	$60 00
Rose Pink Enchantress	6 00	60.00
White Enchantress	7.00	65.00
White Perfection	6.00	60 00
Bountiful	6 00	60.00
Boston Market	5.00	50.50
White Lawson	5 00	50.00
Lawson	5.00	50.00
Beacon	6.00	60.00
Victory	6.00	60 00
Harlowarden	5 00	50 00
Winsor	6.00	60.00
Yellow Beauty	6 00	60.00
M. A. Patten	6.00	60.00

Cash with order

HOWARD P. KLEINHANS,
66 CENTRE SQUARE, EASTON, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

VOLUME 1 NUMBER 8

BODDINGTON'S STORE NEWS

SATURDAY, AUGUST 27th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:
Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.
Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.
Lilium Speciosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc. FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 11 to 12 centimeters, 2,700 bulbs in a case.	$2.25	$20.00
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	2.85	26.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

PAPER WHITE NARCISSUS GRANDIFLORA

With the **florist** is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00
14 centimeters and up, 1,000 to the case	1.25	10.00

Narcissus Christmas Trumpet Major (French-grown). These bulbs arrive at the same time as the Romans and Paper Whites, and if treated in the same manner can be flowered for Christmas. A useful and novel flower for this season of the year and sells on sight. Selected single-nosed bulbs; yellow skins. **The only kind** that will force for Christmas. $1.25 per 100, $11.00 per 1,000; case containing 2,000, $21.00.

FREESIAS (French-Grown)

	100	1000
Bulbs, ⅜ to ½ in. in diameter	$0.75	$6.00
Mammoth Bulbs, ½ to ⅝ in. in diameter	1.00	8.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

LILIUM CANDIDUM

The thick-petaled kind. Only the largest size. 22 centimeters and up, in circumference. You should plant some of these. They are excellent for cutting in May and June. $4.50 per 100, $40.00 per 1000. About 250 in a case.

LILIUM LONGIFLORUM FORMOSUM

The wonderful new **Easter Lily** from the **Island of Formosa.** Said by the **introducers to be** free from disease and easy to grow.

	Doz.	100	1000
6- to 8-inch, 400 bulbs in a case	$0.60	$4.50	$40.00
7- to 9-inch, 300 bulbs in a case	1.00	7.00	67.50
8- to 10-inch, 200 bulbs in a case	1.25	10.00	95.00
9- to 10-inch, 200 bulbs in a case	1.50	10.75	105.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

Field-Grown Carnation Plants

	Per 100		Per 100
Enchantress	$6.00	Harry Fenn	$5.00
M. A. Patten	5.00	Winsor	5.00
		Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Field-Grown Carnations
FALL, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Mrs. C. W. Ward	12.00	
May Day	7.00	60.00	Bon Ami	12.00	
Winona	7.00	60.00	Snow Flake	$6.00	$50.00
Afterglow	7.00	60.00	White Perfection	7.00	60.00
Winsor	7.00	60.00	O. P. Bassett	6.00	50.00
Apple Blossom	6.00	50.00	Wanoka	6.00	50.00
			Ruby	6.00	50.00

We are now booking orders. Strong, healthy plants for immediate shipment, or will reserve until you are ready.

S. J. REUTER & SON, Inc., Westerly, R. I.

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CARNATIONS

5000, Large, Fine, Field-grown, **LORD** stock, $40.00 per 1000.

GEO. PETERS & SONS, Hempstead, L. I., N. Y.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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Prices Advertised in these Columns are for THE TRADE ONLY



NEW YORK, Aug. 24.—The cut flower market this morning does not manifest the activity of the three previous days. However, the practical absence of Carnations from the market, the decidedly shortened supply of Lilies, and the curtailment of the Gladioli shipments to some extent, with the almost entire absence of Sweet Peas, and Orchids and Gardenias, may and probably will prevent a slump in prices.

The supply of American Beauty Roses in No. 1 and 2 grades is more abundant, but the arrival of specials has not increased materially. While they are not moving quite as well today, the demand is active enough to check any diminution in price, and a clean up is effected. The quality is steadily improving. Specials realize for the choicest selections, 25c. each. The range of price through all grades is from $1 to $25 per 100. The supply of all other Roses is large enough to easily satisfy all demands, and arrivals clean up only with some sacrifices in price. The best blooms of Killarney fetch 5c., My Maryland, 6c., Kaiserin 6c., Richmonds 2c., Bride 3c. Very few Bridesmaid are seen. It should be emphatically stated that these prices are only for the very highest grade of blooms of each variety. The lowest grades of Roses are selling for 25c. and 50c. per 100.

A few Carnations from the new plants, of medium quality, are coming in. For these $1 per 100 is asked.

The supply of Orchids is extremely short, insufficient to satisfy the small demand. The quality is mediocre, and the prices remain unchanged, namely 60c. each for the best blooms of Cattleyas. The present supply of Lilies has so materially shortened that without any increase in the demand the price has advanced sharply to 8c. each. There is a fair supply of Lily of the Valley, and it is moving well at from $1 to $3 per 100. Some fancy stock has even reached the $4 per 100 price.

Asters are abundant and the percentage of good flowers is very perceptibly increasing. They are moving reasonably well. The range of price is from 25c. to $3 per 100. Very few sell for more than $2 per 100. On the other hand, a few very choice blooms are selling for $4 per 100. Gladioli are not so much in evidence today, but there are enough. $1.25 per 100 is the highest price obtained for the best blooms.

As regards all kinds of greens the supply though not over large is sufficient, and prices remain about the same.

CHICAGO, Aug. 23.—Monday found the market conditions unusually brisk, with good stock available in all lines. It is stated throughout the wholesale houses that the business of Monday was the best experienced since July 1. The demand for all sorts of Roses, including American Beauty was exceptionally heavy. Of Carnations no mention can be made. Asters, good ones, are scarce, although there are plenty in the second and third class grades that are disposed of to the street fakirs for whatever can be obtained for them. Gladioli are a glut on the market, with the exception of the special varieties which are looked for considerably. For the common sorts there is no call.

Lilies are good, and the demand is fully up to the supply, as many flowers are used for funeral work, owing to the shortage of other stock. Hydrangeas are on the market, and while there are not many occasions where they are used they make a good showing in the retailers' windows. Rudbeckia Golden Glow, Salvias, Liatris and a few other perennials are to be found, but none seem to be as good as usual.

Some Tuberoses are to be had, but this season has seen but few of them on the market. Orchids are unusually scarce, and if an order comes in for them great skirmishing is done to find them.

Green stock is not scarce in any line. Asparagus, both Sprengeri and plumosus, has improved much in the past week. Wild Smilax is also on the market, making a good variety of green stock.

PHILADELPHIA, Aug. 22.—It is hoped that the cut flower business, which has been now for many weeks on the ebb, has nearly or quite reached the low water mark, and that from now on the tide will rise.

The quality of American Beauty Roses is improving, the number coming into the market larger, the demand more active and the prices a trifle firmer. Specials are selling at 20c. each, with some sales at 25c. each. With the advent of cooler weather all of the Tea Roses arriving have a little better color, and show improvement in quality. Pink Roses at this time are moving better than white. The supply satisfies the demand too easily to justify any rise in price. The poorest flowers now arriving are Bride and Bridesmaid. The prices on all Roses, except Am. Beauty, range from $2 to $6 per 100; very few reach the $6 mark.

There are practically no Carnations now in the market, and their place is easily filled by Asters.

As regards Orchids, a wholesale commission house which has many growers, after 'phoning them all today gathered in just six Cattleyas. It is useless to quote prices on flowers which are practically out of the market.

Cosmos in different colors is now offered, but sells very slowly; 40c. per 100 is the top price, while much sells for 20c. per 100. Gardenias are a little more abundant and the quality is improving, but they are not much sought for, and the best blooms go for $1.50 per dozen. Lilies are more abundant, are moving more slowly, and the tendency in price is downward. The majority do not get above the 6c. mark, though a few sell for as high as $1.50 per dozen. Lily of the Valley is more plentiful, the quality is quite satisfactory, and sprays sell well at from $2 to $4 per 100.

Asters are arriving heavily, and the percentage of good blooms is somewhat larger. The lower grades of blooms can only with difficulty be sold at any price, but the higher grades of blooms sell well, realizing for the very best as high as $3 per 100. The Gladioli market as regards arrivals, sales, and the choice which buyers make, remains the same. The range of prices is 1c. to 5c., but very few change hands above the 3c. price. Greens of all kinds are over abundant; the movement is sluggish, and the prices unchanged.

INDIANAPOLIS, Aug. 23.—An improvement over the Summer business of other years is reported from the florists of this section. Talks with shopmen in other cities indicate the same. This the writer attributes greatly to the better supply of flowers now obtainable during the hot season and the moderate weather prevailing. Funeral work keeps up splendidly but the real source of increase is in counter trade which consumes the higher grade flowers.

New crop Carnations are being received in numbers at $1 to $1.50 per 100; retail 35c. to 50c. per doz.

Roses as Am. Beauty, Killarney and Kaiserin Aug. Vic. are being shipped in at quoted market prices. Local Bridesmaid and Bride are good at $4 to $5 per 100. The general retail price for Tea Roses is from 75c. to $2 per doz. Am. Beauty $1 to $6 per doz.

Harrisii Lilies are at time overplentiful at $10 to $12.50 per 100; L. rubrum and album, short stem, sell unusually well at $4 to $6 per 100.

Field growns flowers include False Dragon Head, Golden Glow, Hydrangeas, Asters, Daisies and Phlox; these are desirable for window purposes and often form a goodly portion of the day's receipts.

More green goods are being grown in this section each year and it looks at this time as if there will be little trouble in obtaining any amount of the same this Winter.

Blooming plants are lacking. A few Lily plants are seen but there certainly should be more effort put forth to grow a larger variety for the Summer months as the public is always ready to buy well grown plants. I. B.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

All Signs Point to a Bigger and Better Season for the Cut-Flower Business and Everything Pertaining There-to. You will Find us Well Prepared.

Growers not acquainted with our methods will find it to their advantage to do business with

HF Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

BOSTON, Aug. 23.—The market, although not improving with rapid strides, is gaining steadily both in the increase of material and a slight advance in price. Roses are coming in better shape and they are cleaned up daily, very little surplus this week and prices advancing slowly. Carnations are not over plentiful; there are a few from outdoors and some are being cut from the housed plants. The best grades are bringing satisfactory prices but there are not enough good ones to fill the demand.

Lilies are rather scarce and not nearly enough to supply the demand; prices have advanced considerably.

Asters are more plentiful than any other flowers in the market and the best grades obtain satisfactory prices, some having sold as high as 4c. each. Short stemmed are quite plentiful and are selling cheaply. Good Sweet Peas are scarce and there is a good demand for first-class material; the dry weather has completely spoiled them.

Gladioli are not as plentiful as they were a few weeks ago and prices are quite good. Cosmos is plentiful and goes rather slow. Feverfew and Candytuft are plentiful again with slow sales. Asparagus plumosus is scarce with a strong demand. Asparagus Sprengeri is plentiful but goes slow. R. C.

ST. LOUIS, Aug. 22.—There is a good demand for white stock of all kinds as funeral work is all the business that is being done at the present time. The stock that is coming in is of poor quality and not until the latter part of next month can much better be looked for. In Roses, Am. Beauty are selling well and Maman Cochet is the best of the smaller varieties; they sell from $2 to $5 per 100. Carnations are poor and do not bring over $1 to $2 per 100 for the best.

Asters have been a failure this season with all the local growers and only poor stock is coming in which brings from 50c. to $2 per 100.

Gladioli and Tuberose spikes bring $4 per 100; the latter will soon be a glut. A few Cosmos are coming in. Smilax and Asparagus have a good call.

ST. PATRICK.

Buffalo

All the members of the local craft who attended the convention have returned home and speak very highly of it, and want to thank the Rochester Club members for the pleasant time accorded them.

The members who represented our bowling team did very well to get second prize; they did not bowl anywhere near the form that they showed previous to the meet; no doubt it was on account of their youthfulness. With a little more practice and experience they will develop into a good steady team and will bury that common enemy called stagefright.

W. H. G.

Mr. and Mrs. James Longley have returned from their wedding journey at Niagara-on-the-Lake where they have been sojourning the last four weeks.

The death of a prominent citizen of Lockport gave the florists a lot of fine funeral work on Tuesday last.

Arthur Beyer, who is working at St. Louis, Mo., was in town the past week meeting old friends; he expects to visit all the large cities in the East before he returns. W. H. G.

Providence, R. I.

Business has been decidedly on the increase during the past week. Asters are plentiful and of good quality and have been fairly well used up.

Johnston Bros., Dorrance st., have been very busy with funeral work.

The weather being decidedly cooler has made a good demand for cut flowers. Roses are coming in better with slight advance in price.

Wm. Huffman of Pawtucket will start glazing his new houses next week.

E. G. Brooks of T. J. Johnston & Co. is spending a few days at Cottage City.

Mr. T. O'Connor, Blackstone bvd., has just returned from his vacation at Seaconnet, R. I.

W. S. Pino was in town this week returning again to Quonochontang, R. I., where he is stopping during the month of August.

Alex. Miller, manager Green Floral & Nursery Co., Dallas, Tex., was a caller Monday on his return from the florists' convention.

Geo. Johnson & Son, Elmwood ave., have had a busy time in funeral work the past few days; one day 25 pieces left their establishment. Miss Rose Bates, their bookkeeper, has returned from a two weeks' vacation at Bristol Highlands.

C. H. Hunt of Oxford st., who also runs a dairy plant, reports his new outfit for pasteurizing the milk is working well; he puts out 200 gallons of milk daily.

Market quotations are practically same as reported by me last week. H. C. N.

F.E.—Best Advertising Medium

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
Please mention the Exchange when writing.

C. Bonnet G. H. Blake
Bonnet & Blake
Wholesale Florists
130 Livingston Street, BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

M. C. FORD
Successor to Ford Bros.
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121 West 28th Street,
NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 561 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1898

Telephone 2336 Madison Square
Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
WHOLESALE
Plantsmen and Florists
Temporary office during July and August, at
52 West 28th Street, NEW YORK

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
129 West 28th Street, New York
Telephone: 3393 Madison Square

MOORE, HENTZ & NASH
WHOLESALE
GROWER AGENT
COMMISSION FLORISTS
55 West 26th St. New York

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone, 3866 Madison Square

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Aug. 24th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 25.00
" extra	8.00 to 12.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	1.00 to 2.00
Killarney	.25 to 5.00
White Killarney	.25 to 5.00
My Maryland	.50 to 6.00
Richmond	.... to ....
Mme. Abel Chatenay	.50 to 6.00
Kaiserin	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	2.00 to 4.00
" extra	.50 to 2.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Asters	.25 to 3.00
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.... to ....
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .25
Standard Varieties: White	.50 to 1.00
Standard Varieties: Pinks	.50 to 1.00
Standard Varieties: Red	.50 to 1.00
Standard Varieties: Yel. & Var.	.50 to 1.00
Fancy (The highest grades of Sta'd varieties): White	.... to ....
Fancy (The highest grades of Sta'd varieties): Pinks	.... to ....
Fancy (The highest grades of Sta'd varieties): Red	.... to ....
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.... to ....
Gladioli	.50 to 1.25
Hydrangea	1.00 to 2.00
Lilies, Harrisii and Longi.	.... to 8.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.... to ....
Tritoma	1.00 to 2.00
Tulips	.... to ....

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TELEPHONE, 1462-1463 MADISON SQUARE
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Prompt Payments Give us a Trial

New York

P. J. Smith, 49 West 28th st., has had a second 'phone installed in his store, in order that he may give better attention and service to his customers. The store also has been cleaned, painted and put in order for the busy season which will soon be at hand. Mr. Smith is now receiving some very large, handsome Dijon Dahlias, grown by William A. Finger, of Hicksville, L. I. These Dahlias are of a rich crimson color, and exceptionally fine.

N. J. Hills has leased the store at 58 West 28th st. for five years, beginning Sept. 1. He will conduct a wholesale commission business in cut flowers and plants.

A. Warendorff, 1193 Broadway, recently made up a basket of purple Asters trimmed with bows of satin ribbon to match. This basket of flowers, 8 ft. high, was presented to Miss Bessie McCoy, the star actress at the opening of the Globe Theater. The inside of the Warendorff store has received its annual retouching, and the store window, as usual, is filled with beautiful flowers and greens artistically arranged. Mr. Warendorff has entirely recovered his health and is at his store each day. Ludwig Aumer, an employee of Mr. Warendorff, sailed recently for Europe on the Kaiser Wilhelm der Grosse. He will visit Berlin on personal business matters, and return in November.

The rumor is again revived that three brothers are to go into the wholesale commission cut flower business on West 28th st. this Autumn.

The display of magnificent Lotus blooms, and a choice variety of the rarer kinds of Water Lilies in the window front of J. H. Small & Sons at 1153 Broadway, continues to attract passers-by through their beauty. The display is very meritorious and interesting. The store is now being put in fine condition for the Autumn trade. Frank Hunter of this establishment is now on a four weeks' vacation at Lake Hopatcong.

George Einsil, buyer for George M. Stumpp, corner of Fifth ave. and 58th st., is on a two weeks' vacation at Branford, Conn., and T. E. Paynter, the bookkeeper is spending his vacation at Kiamesha Lake, Monticello, N. Y.

Peter Eliot, manager for N. Cristatos, 1028 Sixth ave., is on a vacation at Far Rockaway, L. I.

James Slattery, with Charles Thorley, Fifth ave. and 46th st., is spending his vacation in a canoe trip on some of the northern lakes and rivers.

George C. Simms, with Fleischman, 500 Fifth ave., has been sick all Summer, but is now able to be in the store. On his birthday, Aug. 10, he was given a surprise party by his friends, and among the several presents was a gold watch.

The Fernwood Nursery Co., located at Stamford, Conn., has gone into bankruptcy. The hope is expressed that in due course payment of all claims will be made. The president of the company is B. J. Ezechel.

GROW MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.
Special rates will be made to the trade who wish to supply their customers.
THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

Wadley & Smythe, 491 Fifth ave., are now very busy at their Newport branch, where Mr. Smythe spends most of his time. They recently furnished sixty-five baskets of flowers for the cotillion favors at the ball given by Mrs. Ogden Goelet at Newport. Each basket was tied with a ribbon marked "Ochrecourt," the name of the Goelet estate.

Young & Nugent, 42 West 28th st., recently made up a very handsome basket of 100 American Beauty Roses. This was presented to Miss Bessie McCoy at the opening night at the Globe Theater. A floral easel and wreath, and ten other large set pieces were among orders recently filled by this firm. William Hanft, the store manager, reports a fine catch of bass as a result of his recent fishing trip to Long Beach with James Casperell.

Gunther Bros., 110 West 28th st., are displaying in their store window a variety of well-grown potted Ferns.

The Geller Supply Co. is now established in its new quarters at 147 West 28th st., and is much pleased with its new location, which it feels brings it more nearly in touch with the florists' business in general.

According to all reports from the growers of Carnation plants, the surplus of good plants is fast disappearing, and a shortage seems immiaent in the near future.

J. Henry Kershaw, with the Kelsey Nursery Co., returned last Saturday on the White Star S. S. Arabic from an extended trip of several weeks in Europe, partly a vacation, and partly a purchasing tour for his company. He reports that the trip was pleasing to him personally, and satisfactory in a business way.

E. A. Scribner, the Detroit florist, and his wife have been spending a few days in our city on their return trip from Rochester. Mr. Scribner feels that conditions were never better for a satisfactory Autumn and Winter business in Detroit than those now shaping themselves.

Alexander Miller, of the Green Floral & Nursery Co., Dallas, Texas, and Harry Papworth of New Orleans, La., were among our visitors this week, on their return trip from the Rochester convention.

Boston

Business is steadily improving and it is gratifying to see everything cleaned up at the close of each day at August prices. There is a shortage in some lines, but that is not to be wondered at when we think of the remarkably dry weather we have had for the past two months.

Sweet Peas are scarce and handsome prices would be paid for good Peas if they were obtainable.

Some exceptionally fine late Asters are coming in. In fact, some of them are the finest we have ever seen, and we are pleased to report that the prices for these high grade goods are very satisfactory, running from 3c. to 4c. each.

The weather has changed but little from last week; nights are cool with heavy dews which are helping out somewhat.

The majority of the delegates to the S. A. F. convention have returned and report a most satisfying and instructive time, from beginning to the end. They all speak highly of the hospitality of the Rochester people and the great kindness and attention given to everyone was beyond expectation. If all the State Vice-Presidents worked as hard as did E. Allan Peirce for Mass. the membership would soon reach the two thousand mark.

From now on everyone should put his shoulder to the wheel to make the National Flower Show one of the grandest exhibitions that has ever been held in this country. Now is the time to begin to give thought and attention to the plants you are going to exhibit and not two or three weeks before the opening day.

We hope the Rose Society will do better than it has done in former years and that it will put up a much larger show than ever they did before anywhere else. In fact, the greater part of the building for that matter, should be filled with Roses, and there are enough to fill the entire building when we consider the thousands of acres of Roses that are grown under glass all over the country.

Much is expected of the Carnation men; they ought to outdo all previous exhibitions and put up the grandest show ever held in any part of the world. It is also time for Sweet Pea and Violet growers to give a serious thought to what they are going to exhibit; they will have a grand opportunity at this great show.

We wish to remind everyone all over this country that Boston expects every man to do his duty at this big Spring exhibition.

John McKenzie of North Cambridge has a house of Lorraine Begonias which are growing luxuriantly. They are now in six-inch pots and are compact, healthy plants. A batch of Begonia Glory of Cincinnati looks well. It is the first time I have had the pleasure of seeing this new plant and I was pleased to see that it has inherited much of the Socotrana habit. The leaves are large, like Begonia Socotrana, and I think, by all appearances that it will be easier to grow than Begonia Lorraine. There is getting to be quite a demand for Aspidistras and Mr. McKenzie has a large bench devoted to these plants which are planted out. A house of Boston Ferns looks well. Two houses of Chrysanthemums are making remarkably good growth.

The baseball game between the Boston flower market men and the salesmen of Joseph Breck & Son, which was played at Belmont last Saturday, was quite interesting. The flower market men were in good shape and played well; they were nearly all exhausted because it was a continual run from beginning to the end of the game around the bases. Many of them think with this good practice they will be able to take part in the next Marathon race. The seedsmen were badly beaten. Seven innings were played; the flower market men scored 28 and the seedsmen a big 0.

Thomas Pegler and wife are spending a well earned vacation in Maine and expect to return in another week. His assistant, Charles Techa, is in charge of the business during his absence.

J. S. Goddard of Framingham is shipping in some fine Asters. His lavender colored varieties and his whites are the best, having long stems with large flowers.

James Tulis of South Sudbury is one of the largest shippers of Carnations to the market at this time. His White Perfection and Winsors are quite good considering the earliness of the season.

Mr. Knight, the obliging manager of the Flower Market at 2 Park st., has returned from his vacation and feels much refreshed; he spent most of his time at the seashore at Nahant.

A. R. Hutson, the genial salesman of W. H. Elliott, has just returned from his vacation, spent in Bermuda, where he thoroughly enjoyed the luxuriant vegetation and the delightful scenery. He speaks very highly of Bermuda as a vacation resort and wonders why more do not take the trip, which is so entirely different from anything that can be seen in this country. The Palms, Oleanders, Bougainvilleas and Night Blooming Cereus were exceptionally interesting. He saw a bed of Killarney Roses at Stephen's Nursery which was remarkably fine. The flowers were of large size and the stems and foliage clean and healthy.

The finest Asters we have had the pleasure of seeing in many years are grown by W. S. Phelps, Marlboro, Mass.; they have stems two feet in length and large well-shaped flowers. His pink flowered varieties and white varieties are exceptionally fine.

A visit to the Bay State Nurseries at Abington at this time is very interesting. There is an immense stock of trees and shrubs grown, which are in the very best condition. The plants are exceptionally well grown and look thrifty and healthy. There are very large blocks of evergreens grown and every plant is a perfect specimen. Mr. Wyman, the proprietor, is building an immense large shipping and packing shed which will be all ready for his Fall trade.

Herbert E. Radcliffe, who has charge of the nursery offices of R. & J. Farquhar & Co. at Roslindale, has gone to New Hampshire to spend a three weeks' vacation.

R. C.

Philadelphia

Alphonse Pericat of Collingdale, Pa., has a new Pennsylvania touring car which seats seven persons and chauffeur. He will use this both as a pleasure car, and for quick deliveries.

David Grillbortzer, a grower from Washington, D. C., was a caller this week on the S. S. Pennock-Meehan Co. Charles E. Meehan and Mrs. Meehan have just returned from a tour among the northern cities and lakes. The work of putting the New York branch store at 109 West 28th st. in order will not begin until after September 1.

Alexander B. Scott, of Robert Scott & Sons, Sharon Hills, Pa., has returned from his European trip. While abroad he spent some time at Dixon's, the celebrated Irish Rose grower.

U. J. Virgin, a florist from New Orleans, on his return from the S. A. F. convention called at H. Bayersdorfer & Co.'s. Paul Berkowitz of this company has returned from his vacation. It is said that the recent exhibit of H. Bayersdorfer & Co. at the S. A. F. convention was the largest, most novel, and best ever made in the florists' supply line in this country.

The Philadelphia Cut Flower Co., 1517 Sansom st., received this week their first shipment of the new crop of Carnations.

Alexander Campbell, 1510 Sansom st., returned on Thursday from a week's vacation at Ocean City, N. J., where his family has been summering.

Charles Henry Fox, "The Sign of the Rose Flower Shop," 209 N. Broad st., who for many weeks was in the hospital seriously ill with typhoid fever, has returned from his vacation at the seashore, sun-browned and in good health, and able to attend to business at the old stand.

The next meeting of the Philadelphia Florists' Club will take place on the evening of Tuesday, August 30. A report is expected from the members who attended the S. A. F. & O. H. convention at Rochester.

David Rust, with the aid of a cane, is now able to be at his office at Horticultural Hall.

Robert Craig, Sr., was thrown from his carriage on Monday morning, August 1, at the corner of 50th and Market sts., and had a narrow escape from death. As it was he was severely bruised from head to foot, and had to be taken to the doctor. The accident occurred just as he was driving out of his establishment, and was a result of an oversight in harnessing the horse. W. P. Craig is on an extended business tour and will visit most of the large cities from Toronto to Washington. The Robert Craig Co.'s exhibit at the S. A. F. convention at

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WHOLESALE GROWERS
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WHOLESALE FLORISTS and FLORISTS' SUPPLIES
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Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Aug. 22, 1910	Pittsburgh Aug. 23, 1910	NAMES AND VARIETIES	Boston Aug. 23, 1910	Detroit Aug. 22, 1910	Cincinnati Aug. 22, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	16.00 to 20.00	..... to 10.00
12.50 to 18.00	12.50 to 15.00	" extra	10.00 to 15.00	12.00 to 16.00	..... to .....
10.00 to 12.50	6.00 to 10.00	" No. 1	3.00 to 8.00	9.00 to 12.00	..... to .....
4.00 to 6.00	..... to 4.00	" No. 2	..... to	3.00 to 8.00	..... to 2.00
2.00 to 6.00	2.00 to 8.00	Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
2.00 to 6.00	3.00 to 8.00	White Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
..... to	2.00 to 6.00	Bride and Bridesmaid	1.00 to 3.00	3.00 to 6.00	1.50 to 3.00
..... to	2.00 to 8.00	My Maryland	1.00 to 6.00	3.00 to 8.00	..... to .....
2.00 to 6.00	2.00 to 8.00	Richmond	1.00 to 4.00	3.00 to 8.00	..... to .....
2.00 to 4.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
2.00 to 8.00	2.00 to 8.00	K. A. Victoria	1.00 to 4.00	4.00 to 9.00	2.00 to 4.00
..... to 1.00	..... to 1.00	Adiantum	.75 to 1.00	.50 to 1.00	..... to .....
20.00 to 30.00	20.00 to 35.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 50.00	..... to .....
20.00 to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 30.00	20.00 to 50.00	..... to .....
.50 to 2.00	.50 to 1.50	Aster	.50 to 2.00	..... to	.50 to 2.00
..... to	..... to	Bouvardie	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	..... to	..... to .....
..... to	..... to 1.00	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to	1.50 to 2.00	Standard Varieties: White	.75 to 1.50	1.00 to 1.50	..... to .....
..... to	..... to	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50	..... to .....
..... to	..... to	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50	..... to .....
..... to	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.): Pink	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.): Red	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to	..... to 1.00	Daisies	..... to	..... to	..... to .....
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .15	..... to .....
..... to .20	..... to .12½	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 4.00	2.00 to 4.00	Gladiolus	3.00 to 5.00	4.00 to 8.00	2.00 to 2.50
..... to 10.00	..... to 10.00	Lilies, Harrisii and Longi	5.00 to 6.00	12.50 to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	25.00 to 35.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to	..... to .....
..... to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	..... to	1.25 to 1.50	..... to .....
..... to .25	..... to	Sweet Peas	.20 to .30	.30 to .50	..... to .....
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to	Water Lilies	..... to	..... to	..... to 3.00
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

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SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
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Kaiserin	$3.00 to $8.00 per 100
Maryland	3.00 to 6.00 per 100
Killarney	3.00 to 6.00 per 100
Brides	3.00 to 6.00 per 100

For design work—short roses $2.00 per 100.

BEAUTIES

Good flowers and fine color. $1.00 to $3.00 per dozen.

ASTERS

Much larger supply of the better grades; choice stock in all colors. $1.00 to $2.00 per 100.

Field Grown Carnation Plants

	PINK. 100	1000
Winsor	$7.00	$60.00
R. Pk. Enchantress	7.00	60.00
Enchantress	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Jooste	5.00	50.00
WHITE		
Perfection	7.00	60.00
Boston Market	6.00	50.00
Queen	6.00	50.00
Queen Louise	6.00	50.00
RED		
Bassett	7.00	
Beacon	7.00	60.00
CRIMSON		
Harry Fenn	6.00	

Clean healthy plants. We guarantee satisfaction.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Aug. 22, 1910	Buffalo Aug. 22, 1910	NAMES AND VARIETIES	Phil'delphia Aug. 22, 1910	St. Louis Aug. 22, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	15.00 to 20.00
..... to	12.00 to 15.00	" extra	15.00 to 20.00	8.00 to 10.00
..... to	7.00 to 10.00	" No. 1	8.00 to 12.50	6.00 to 8.00
..... to	..... to	" No. 2	4.00 to 6.00	2.00 to 4.00
2.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	..... to .....
2.00 to 5.00	2.00 to 6.00	White Killarney	2.00 to 6.00	..... to .....
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
2.00 to 5.00	2.00 to 6.00	My Maryland	2.00 to 6.00	3.00 to 4.00
..... to	2.00 to 6.00	Richmond	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	2.00 to 6.00	..... to .....
2.00 to 3.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 5.00	4.00 to 6.00	K. A. Victoria	2.00 to 6.00	3.00 to 5.00
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
.50 to 2.00	.40 to 2.00	Aster	.50 to 3.00	1.00 to 4.00
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to 1.00	.75 to	Carnations—Inferior grades, all colors	..... to	..... to .....
..... to 1.50	..... to	Standard Varieties: White	..... to	..... to .....
..... to 1.50	..... to	Standard Varieties: Pink	..... to	..... to .....
..... to 1.50	..... to	Standard Varieties: Red	..... to	..... to .....
..... to 1.50	..... to	Standard Varieties: Yellow and var.	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): White	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Pink	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Red	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	..... to	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
7.50 to 10.00	..... to	Gardenias, per doz.	5.00 to 12.50	..... to .....
3.00 to 4.00	2.00 to 4.00	Gladiolus	1.00 to 5.00	..... to .....
10.00 to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	6.00 to 12.50	10.00 to 12.50
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to 3.00
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyas	..... to 50.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Paneies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to 1.25
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
1.00 to 2.00	..... to	Water Lilies	2.00 to 4.00	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

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Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

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Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Afterglow, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $8.00 per 100, $75.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Snow Flake, $6.00 per 100, $50.00 per 1000.
Georgia, $7.00 per 100, $60.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
O. P. Bassett, $7.00 per 100, $60.00 per 1000.
Dorothy Gordon. $15.00 per 100.
Victoria, $7.00 per 100, $60.00 per 1000.
Pink Delight, $15.00 per 100.
Carnegie, $6.00 per 100.



Splendor, $7.00 per 100, $60.00 per 1000.
Christmas Cheer, $15.00 per 100, $125.00 per 1000.
Apple Blossom, $7.00 per 100, $60.00 per 1000.
Lawson, $6.00 per 100, $50.00 per 1000

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

a large funeral order from Atlantic City and is sending regular orders of cut flowers to other seashore resorts.

Rudolph Barth, 11th and Masters sts., is preparing to take a vacation among the upper New York State resorts in company with the gardener of the Norristown Asylum. He reports trade better this Summer than any previous year.

Chicago

The retailers, all around town, were kept unusually busy last week with funeral work, the work seemingly being distributed among them all.

Part of the delegation from Chicago arrived from the convention on Saturday night, but many delegates embraced the opportunity to visit other cities of interest in the East before returning. All seemed much pleased with the large attendance, the excellent trade exhibits, and the magnificent manner in which they were entertained. Pres.-elect George Asmus is extending his visit in the East, expecting to return to Chicago in time for the Club meeting.

Chas. L. Washburn arrived home on Friday night and says he could ask for nothing in connection with the convention, except perhaps more favorable weather; everything else was immense.

P. J. Foley also returned on Saturday, looking none the worse for his sojourn at Rochester, and as genial and good-natured as ever.

H. E. Philpott of Winnipeg reached Chicago from Rochester on Saturday night, and will remain in and about Chicago until September 1, to be present at the Chicago Florists' Club meeting to be held on that date. Mr. Philpott says the conventions in both countries were a great success.

The first Zinnias of the season were displayed at J. B. Deamud Co.'s on Monday. Fine Asparagus, both Sprengeri and plumosus, are to be found at this house. J. B. Deamud has not yet returned from the convention, extending his visit for a few days.

Gus Alles of Wietor Brothers' reports stock cleaned up nicely each day. N. Wietor is still enjoying his fishing trip in Wisconsin.

The new crop of American Beauty Roses that are shipped to Vaughan & Sperry from Indiana are excellent, although as yet the stems are not very long. These are from the grower who supplied this firm with such exceedingly fine stock all last season. Fred Sperry and family have returned from their trip to Minnesota.

The A. L. Randall Co. are receiving fine shipments of wild Smilax, which is in sufficient quantity to supply all demands. Miss Tonner, of their supply department, left Rochester on Saturday, and will visit in New York City before returning to Chicago.

Poehlmann Brothers Co. have added several thousand Cattleyas to their already large collection of Orchids. They hope to maintain a continual supply of these flowers in the near future.

Orders for Fall bulbs are being received in large numbers at the Winterson's Seed Store. L. H. Winterson expects to leave for a few weeks' vacation next Monday.

The A. Dietsch Co. says that the demand for greenhouse building material

Rochester resulted in the booking of more than 100 good sized orders.

Henry Engler, 4651 Lancaster ave., is busily engaged in rebuilding his houses and will use considerable concrete in the new benches. He has a nice lot of "chunky" Ferns in 4" and 6" pots which he is about to place upon the market.

Cornelius Hill of Wilkesbarre is now taking charge of all the outside work of the store of Mrs. Ernest Daras, 1127 So. 47th st.

M. C. Dunn, 618 Chestnut st., reports good trade for August; he recently filled

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

has been unusually active all Summer, more so than usually experienced at this season.

Sharp, Partridge & Co. state that the demand for glass increases; notwithstanding the reported shortage they can supply all requirements.

Harry Rowe says that while business is slow he is getting his share of funeral work and the general Summer trade. His windows were unusually attractive on Monday with scarlet Gladioli and white Hydrangeas.

John Mangel was very busy with funeral work the past week. The fancy strain of Water Lilies that he has carried all season he still displays in various ways and are attracting the same attention as heretofore.

S. Muir, the uptodate 35th st. and Michigan ave. florist, was also kept hustling with funeral orders in the last two weeks.

A. Lange has just completed painting and decorating his store and work room, and the establishment now presents a new and handsome appearance. Mr. Lange says that, without exception, this Summer has been the most profitable one he has yet experienced.

Fred Strail of Strail & Hahn, has returned from his visit to Twin Lakes, Wis. This firm also has had a large share in the funeral work so plentiful of late.

Jno. G. Taylor, manager of the H. B. Whitted Floral Co., Minneapolis, Minn., spent the first part of the week in Chicago before returning home. Mr. Taylor has been on a trip to New York City and Cleveland.

I. O. Kemble, Marshalltown, Ia., visited among the trade on Monday, en route for home. Mr. Kemble has been taking a trip through the East.

Robert Newcomb of Bisbee, Ariz., is still visiting around Chicago. The home town looks pretty good to Bob, and it is hard work to make up his mind to depart.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Aug. 23, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.00
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	10.00
White Killarney	.... to	8.00
Richmond	4.00 to	6.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy (The highest grades of Sta'd varieties): White	2.00 to	3.00
*Fancy (The highest grades of Sta'd varieties): Pink	2.00 to	3.00
*Fancy (The highest grades of Sta'd varieties): Red	2.00 to	3.00
*Fancy (The highest grades of Sta'd varieties): Yel. and Var.	.. to	..
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.00
Lily of the Valley	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	50.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	1.00 to	4.00
Gladioli	3.00 to	6.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

W. H. Englehart, of the Idlewild Greenhouses, Memphis, Tenn., is spending ten days in town, calling on the trade. The Idlewild Greenhouses are one of Peter Reinberg's largest shipping customers, utilizing shipments of stock each day of from 20 to 30 boxes.

Tom McAllister, with A. Lange, has just returned from a two weeks' vacation spent in visiting Cleveland, Toledo, O., and Uniontown and Pittsburgh, Pa. It was his intention to go as far as Boston, but he found it impossible to do so on this trip.

The Chicago Florists' Club will hold its regular monthly meeting on Thursday, September 1, at its usual place, the Union Restaurant, 111 Randolph st.

Orlando P. Bassett and Mrs. Bassett sailed from Southampton, Eng., on Friday, August 19, on the Kaiserin Augusta Victoria. On their arrival they will visit a few days in New York City and Detroit, Mich., and will then visit for some time with their relatives in Chicago.

The employees of Bassett & Washburn's greenhouses, with their wives, children, sweethearts, and numbers of friends, held a picnic at Hinsdale last Friday, August 19. The expenses for the music and refreshments were defrayed by the boys, the firm furnishing the prizes for the games. A sumptuous repast was served about 6:30, after which the evening was spent in dancing, singing, etc. All declared it the time of their lives.

Chas. McKellar and party arrived in Chicago on Saturday night after a six weeks' auto tour through all the principal cities of the East, with a call at Rochester in time for the convention. From Rochester the party motored to Buffalo, and sent the machine on to Detroit, leaving that city on Friday night on the journey home in the machine. The short journey from Buffalo to Detroit was the only break during their trip of over 4000 miles with the auto. No breakdowns or mishaps of any description occurred to mar the trip, and Mr. McKellar says it was the most enjoyable six weeks he has ever spent. He is anticipating a trip through the West next Summer.

P. Reith & Co. have purchased the old D. Reid place at Downer's Grove, which comprises about 50,000 sq. ft. of glass, and which they are going to utilize for the growing of pot plants and Sweet Peas.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Norby & Hofle, of Des Plaines, Ill., are adding one house to their establishment. This firm will go extensively into raising 'Mums and Sweet Peas.

Additional visitors: Thos. Hall, Minneapolis, Minn.; Miss Reiman and sister, Vincennes, Ind.; G. R. Currey, Birmingham, Ala.; Milo Crozier, Cedar Rapids, Ia.; C. A. Hewitt, Monmouth, Ill.; Otto Appleloft, Huron, S. D.; Mr. and Mrs. Taylor, Rome, Ga.; E. W. Arnold and daughter, Omaha, Neb.; Mr. Quintel, New Orleans, La.; C. H. Crabbe, Grand Rapids, Mich.

The Chicago delegates to the Rochester convention were agreeably surprised and appreciate greatly the courtesy shown by the Chicago Florists' Club in serving the sumptous lunch on the train en route to the S. A. F. meeting.

The Canna "New Chicago" exhibited by Vaughan's Seed Store at the convention was greatly admired and commented on by all who saw it, and it is pronounced a fine variety. Their display of bulbs was also extensive and was seen to be of superior quality.

Owing to a heavy electric storm which visited Chicago and vicinity early on Tuesday morning, almost a cyclone in its fury, many reports are in of damage done to outdoor stock. It is too early to get a full report. Sammelson's show window was demolished through a sign being blown against it and many trees were blown down.

St. Louis

Our visitors this week were T. W. Carlton, Alvin, Tex., shipper of Cape Jasmine; S. Freund of the A. A. Arnold Florist Paper Box Co., Chicago; Guy Reburn, a representative of Vaughan's Seed Store, Chicago.

This is Eagles' week, the city is gayly decorated for the occasion and the trade is expecting some business in the cut flower line.

W. J. Pilcher, who had great success with his new Violet last Winter, reports that he has named it Mazzura. He has a great stock for the coming season but at present has none for sale.

The Brix Floral Co. are installing a new boiler this week at their greenhouse. They say their Aster crop was a total failure.

George Walters, who runs a florists' wire shop, is taking a two weeks' vacation visiting his folks in St. Paul, Minn., and will combine business with pleasure.

Several of the local florists who attended the S. A. F. convention at Rochester have returned home and report a great time. So next year we will have to face George Asmus, Baltimore and Charlie Seybold, a good trio to have a good time with.

The Metropolitan Floral Co. at 502 N. Grand ave. have opened their doors this week; they have a nice clean, cool place and a good location.

C. Bergestermann on South Grand ave. is displaying a fine lot of fancy leaved Caladiums in his big show house.

Sanders Nurseries, H. J. Weber & Sons Nursery Co., J. W. Schnette and Emil Rotenhoever, our local nurserymen, are in good shape for a big Fall trade.

Will Zimmermann of Milwaukee is expected in this week with the Eagles and will be a guest of "Billy" Smith, his old-time Milwaukee friend. "Billy" Smith's mother is visiting her daughter, Mrs. H. V. Hunkel, at Milwaukee.

All our Kirkwood growers are in splendid shape for the coming season. Fred Ude, Jr., Hugo Gross, W. J. Pilcher, Vennemann Bros., "Billy" Winter and a host of others will have plenty of Carnations and Sweet Peas and the best of California Violets. There are about twenty-five of them and they distribute their consignments to our local commission men. At present their best is the Armstrong Everblooming Tuberose stalks.

ST. PATRICK.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Louisville, Ky.

The Aster crop has not come up to expectations, owing to stem-rot. Stem-rot in Asters is abhorred by florists, as there has not yet been discovered a suitable remedy for this disease, which often attacks the flowers when they are in seemingly prime condition. "The causes for stem-rot are a trifle vague and undetermined according to authorities in floriculture," said a prominent Louisville florist, when discussing the plague with a Florists' Exchange representative. "Some authorities say that it is caused by too much moisture. We remove every source of moisture from the plants and, lo! the disease still continues in its ravages. In my opinion, it is often caused by excessive heat; from the concentrated rays of the sun, for instance, which causes fermentation in the interior of the plant and results in decay. The only remedy (which has the same effect as the disease itself) is to pull the plants from the earth as soon as they become infected and charge their loss to general expense in the accounts."

The local florists who made the trip to Chicago with DeFolay Commandery, the local Knight Templar organization, to attend the big triennial conclave of the Templars there, were: H. G. Walker, Fred Haupt and August Baumer.

Mrs. C. B. Thompson, a prominent Fourth ave. florist, is still enjoying a vacation on a fishing trip at Beeler's Landing on the Indiana shore of the Ohio River, about ten miles from Louisville. Mrs. Thompson is stranded at that place, in a way, for the extremely low water stage does not permit boats to go from the Landing to Louisville and there are no railroad connections to that place.

Dahlias have made their appearance during the past two weeks in local floral circles; the stock is reported in fine condition and is coming steadily into increased favor with the trade. Mr. Henry J. Fuchs was considerably disappointed in the results of his Aster crop, as the stem-rot had affected the plants seriously.

The painter and interior decorator reign supreme in the handsome floral establishment of Jacob Schulz, on Fourth ave. The Schulz floral shop is now receiving its annual renovation and will present a "brand-new" appearance as soon as the disciples of the paint pot and stencil have finished their work. A big line of European novelties for table dressing in a floral way will be introduced by Mr. Schulz as soon as the work of renovating his establishment is completed and a large shipment of this line is now on its way from Germany.

G. D. C.

Washington, D. C.

The crisis of the dull season has been reached and the tide now turns toward daily increasing business interests. Cool weather has a very stimulating influence on Washington trade after a semi-dormant Summer and, with the opening of Congress during the earliest days of December, things will once again resume normal conditions. The demise of so many Washington celebrities this Summer has kept business conditions somewhat more active than usual with funeral work. The various growers seem to have a stock somewhat above the average in quantity in anticipation of a good Winter trade. There is an especially large quantity of both large and small Ferns among the local growers; retailers here have a large Fern dish trade and to meet this demand many of the smaller Ferns and Pteris are grown in large quantities.

The District of Columbia, already overflowing with law, is to have still another, and this time the ban falls on the commission houses handling all kinds of produce and the country folk who frequent the outside of the Centre Market to sell their produce. In view of the main approach to the new National Museum being through Tenth st., that thoroughfare south of Penn. ave. is to be cleared of produce, etc., to within three ft. of the building line. This will prove quite a hardship to many who have kept stands along portions of this section and enjoyed regular patronage.

O. A. C. Oehmler, chief decorator for Gude Bros. & Co. and sec'y of the local Florists' Club, who has been spending his vacation at his cottage at Colonial Beach, Va., was notified on Friday night by wire of the death of his father in Pennsylvania; no particulars could be learned.

All of the employees of the Gude Bros. Co. received two weeks' vacation with pay. The firm is cutting some very fine Am. Beauty for this season and also quantities of good Asters.

The name of Lilian Allen Dexter now appears in place of the American Rose Co., as formerly at 909 F st., N. W.

Edw. S. Schmid goes to Columbus, O., Sept. 7, to assist in forming a new grotto of Veiled Prophets in Masonry.

Harry Jones, formerly in the employ of Z. D. Blackistone, and for the past year or two with Thos. Young of New York, is back in Washington on his way to the West.

Myer & Leapley have arranged a very attractive Summer window and additionally have a new stock of very nice Ferns.

Ley & Bicking are bringing in some very fine specimen plants of Nephrolepis and Adiantum.

W. R. Gray of Oakton, Va., is sending in about 1000 excellent Valley each week.

F. J. Howell of Round Hill, Va., is shipping the local Exchange some excellent Asters.

Jacob Minder is happy in the possession of 20,000 hardy Ferns, all in the best possible condition.

Albert Esch is growing 30,000 hardy Ferns for the Fall and Winter trade.

O. W. D'Alcorn, one of the largest bulb growers of this country, who has met with much success in that line in the vicinity of Portsmouth, Va., has purchased from the Randall estate a tract of land upon which he is building a large range of modern greenhouses for bulb culture.

C. E. Brooks, who has a very pretty store on 14th st., is cutting some good Branching Asters at his greenhouses near Chevy Chase, Md.

W. W. Kimmel's new store has the windows in and large ice box set. The other work incident to the extensive repairs is also rapidly nearing completion.

Z. D. Blackistone and wife have returned from the Convention, upon which occasion they also enjoyed side trips to Niagara Falls, Toronto, and the Thousand Islands. Mr. Blackistone distinguished himself as a marksman by winning and bringing back with him two splendid prizes—a diamond stick pin, and a very handsome fishing rod.

Geo. H. Cooke is showing a well filled store with specimen Ferns in the best varieties; among these he is studying out many new and novel features for the forthcoming exhibition of which he is chairman and superintendent.

S. S. Pennock-Meehan Co. are selling a large quantity of Branching Asters of late. They also have a lot of Easter Lilies of good quality and length of stem.

Jos. M. Hardy of Vermont ave. and L st. is doing considerable landscape work.

Mr. and Mrs. David G. Grillbortzer of Alexandria, Va., went with the Washington florists to the recent convention.

The Non-Breakable Flower Vase Co. has opened a warehouse at 723 13th st., from which place they began to ship orders on Monday last.

Wise Burns and John Dawson, employees of the Bureau of Plant Industry, are spending their vacation on an extended trip to Niagara Falls and vicinity.

The Washington Florists' Bowling team came back from the convention all wrapped in glory as the result of their victories. As a team they won three cups; while, individually, George H. Cooke won the Vaughan cup given for the highest individual score and the J. J. Bausch cup for the highest number of strikes. The Club already has several beautiful trophies won previously and with the addition of the above named the collection has become quite valuable. Wm. H. Ernest is the captain.

JAS. L. CARBERY.

KROESCHELL EXHIBIT

S. A. F. & O. H. CONVENTION, ROCHESTER, N. Y., AUG. 16, 17, 18, 19, 1910

Do Not Delay Your Order No Deposit Required



We Have No Agents Buy Direct And Save Dealer's Profit

THREE AWARDS GIVEN

Kroeschell Shaking and Dumping Grate. Made in all sizes for Steam and Hot Water Boiler.

Kroeschell Generator (1910 model). Gives more pressure than others and holds it.

Kroeschell Threaded Tube Piping System. Circulation and control perfect.

THE KROESCHELL HOT WATER BOILER

(1910 Model)

Awarded Certificate of Merit at Cincinnati, Ohio, August, 1909. 22 sizes. Smallest 2250 square feet of glass; largest 80,000 square feet of glass.

The Kroeschell Boiler was installed to heat over 9,000,000 square feet of glass during the past four years and replaced over 1500 cast iron boilers in the short period of six years.

SEND FOR CATALOGUE

KROESCHELL BROS. CO., 468 West Erie St., CHICAGO, ILL.

Please mention the Exchange when writing.

Kalamazoo, Mich.

Business remains at a very low Summer level; nothing much going on and nearly every one out at the lakes or some such place. Funeral work comes in occasionally, mostly in small orders, and I think the Summer dullness is more pronounced than usual. Still, if there was much business going on, I don't know where we would get the stock, as nearly everything outside has dried up as a result of the drought. We have really had no rain since early June, a record unparalleled within the history of the florist trade here; no indications of a change in the weather are to be noticed.

Carnations are mostly housed and, as expected, are rather slower in taking hold than usually is the case; those growers who held off, waiting for rain, gained nothing, for the past week has been one of the most drying of the season, so much so that the leaves of many trees are rapidly ripening and falling off. Roses and 'Mums are doing well and doubtless will make good crops for the Fall.

James Fraser spent a week in Chicago assisting the Knights Templars in their parades, etc., and as he is very prominent in Masonic affairs enjoyed the proceedings and entertainments to the limit.

H. A. Fisher & Co. have been installing a new icebox of very large size in their store and making other preparations for a busy season. Mr. Fisher makes almost weekly trips to Chicago and is bound to have the latest goods for his Battle Creek and Kalamazoo stores.

William Thomas has completed his new house and also built a good workroom and a cellar for storage purposes which gives him one of the most convenient and best equipped suburban places in this vicinity. He reports business as being very satisfactory and promising good for the next season. S. B.

Tobacco Paper
Is the STRONGEST, BEST PACKED, EASIEST APPLIED
24 sheets . . . $0.75
144 sheets. . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID
Furnishes the Most Nicotine for the Money!
Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
By far the CHEAPEST.
Just Note Prices!
Pint $1.50
½ Gallon. . . . 5.50
Gallon 10.50
5 Gallons. . . . 47.25

Please mention the Exchange when writing.

RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.
Think of us.
Write us.
Try us.
THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

Strokum Stops Third Crop of Caterpillars

BIND it around your trees at once. The third crop of caterpillars is one of the worst, and not only injures the trees, but the caterpillars spin their cocoons for next year's destruction. Killing them this year means thousands less next year.



Strokum is easily put on, does not harm trees; is not unsightly, and is easily removed at the end of the season.

Send $1.00 at once for a sample package of five pounds, which is enough to band five trees averaging one foot in diameter. Express paid East of the Mississippi; 50c. extra West of it. Send for booklet.

George Stratford Oakum Co.
165 Cornelison Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS
Wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address
Editors of the "H. A."
Caldwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

All the Clay
FOR OUR
Florists' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.
THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

Please mention the Exchange when writing.

Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

"SYRACUSE RED POTS"
Prompt Shipments Guaranteed
We have a large stock of well made and well burned pots on hand for the Trade of 1910. Our terms are as good as the best. Our catalogue for 1910 on application
Syracuse Pottery Co.
Syracuse, N. Y.

Please mention the Exchange when writing.

Imported Scotch Soot
100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.
ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street New York

Please mention the Exchange when writing.

BLOOD AND BONE MIXTURE
THE BEST PLANT FOOD
$2.00 per 100 lb. bag $30.00 per ton.
WILLIAM M. DAVIDGE
156 Madison Street, BROOKLYN, N. Y

Please mention the Exchange when writing.

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The Week's Work

BY

FRITZ BAHR

Primulas

Make An Effort to Grow Good Stock.

Early sown stock of both P. Chinensis and P. obconica is now ready for 3½-in. and 4-in. pots. If I had to recommend any one soil more than another for all Primulas I would say a good fibrous, mellow loam; this, with a liberal dose of manure will produce a stocky growth, and fine flowers later on. To grow either of the above varieties successfully, don't allow the plants to get potbound to any extent. The Chinese sorts love a cool house and rather moist atmosphere, and a little shade during the noon hours. If handy, use a cold frame, and there, with proper care in watering, the finest plants can be grown. They can remain there until the middle of October—longer if the weather permits. A well grown Primula is as desirable a pot plant for the retail grower as any other he handles, but, being considered a cheap plant, many do not pay the attention to it that it deserves; and this holds good with many other plants the florist handles—we keep them cheap by growing them cheap, hardly ever do we start out with the intention of trying to grow them as well as it is possible to do; we are far more inclined to grow them as a side line. It wouldn't do to be without Primulas altogether, so we buy a package of seed in order to get a few plants. Of course, this doesn't pay, but it could be made to pay the moment we start out differently and produce show plants. A well grown Primula ought to bring $1 at retail, and numbers of people are willing to pay that price—if you have the goods.

Carnations

The Newly Housed Stock

As soon as the surface of the soil in the benches dries off sufficiently, cultivation is in order. The first cultivation of a bench after planting will also include the leveling of the surface. In planting and watering, especially where heavy soil is made use of, the surface is often left in anything but proper shape; some of the plants will have too much soil around them, and again, others not enough; this holds good also with the soil at the edges of a bench, and all this unevenness should be straightened out as soon as possible, for there will be no better opportunity presented later. Have the rows of the plants straight, replace any of the plants which do not look as they ought to, and if there should be here and there a plant a little smaller than the others, it might be well to plant another small one alongside. Now is the time to do it and you can't afford to have an inch of area on the bench wasted. Sometimes, in planting a bench, we are not careful enough in this respect. Perhaps you make it a rule to plant 6x8-in. or 8x10-in., but the condition of the plants when housing them should really decide this. For instance, we have been planting some Beacon, and the plants have the very best of roots, a lot of them, and about 10 shoots per plant, but all short, not one-half the size of some we housed a year ago. These plants will never be as large as those of last year, and it would be folly to give them 10-in. space each way. Wherever a clayey or stiff loam is made use of, soil requiring considerable more cultivation than a light, sandy one, I would recommend the present as an excellent time to topdress the benches, as soon as cultivated, with a thin layer of light soil; but care should be taken not to get too much of it around the plants, for this, as well as deep planting, is never beneficial to the plants and encourages stem rot; if anything, keep the soil away a little from the plants for the next six weeks, especially if you are ever bothered with that dreadful disease.

Cyclamens

Allow Plenty of Room for the Plants.

The real growing time with the Cyclamens is right now, and you couldn't possibly do anything that would be more harmful to the plants than neglect to allow plenty of space between the plants, for if once allowed to suffer on account of a crowded condition, hardly ever is one able to get such plants into shape again. The largest plants are in 6-in. pots now while the main batch is coming along in 4's and 5's, all of which ought to make excellent stock for Christmas sales—and that's the time we want it. There is nothing more easy to sell over the counter than a well grown Cyclamen in bloom during December. After the holidays, for a time at least, things quiet down considerably, therefore, every effort should be made to have the plants in bloom as early as possible, and this does not depend entirely on the size of the plants, but rather on how they are treated. Plants intended for early flowering should not be shifted much after September 15, and while stock has up to that time been surrounded by a moist atmosphere, with more or less shade during the hot weather, and everything possible has been done to create necessary growing conditions so as to get a good sized plant. From now on the plants should get all the sun and light possible in order to develop the buds. A Carnation house is the proper place, for here you get the conditions which will finish the plants, and eight weeks ought to bring a good number of the buds above the foliage; when that point is once reached, you have the stock under control. A few days in a little higher temperature will open the flowers, but that should be the only reason for ever bringing the plants to warm quarters, for the nearer to 50 deg. you keep the house at night which contains the Cyclamens the better; and from October on every bit of sunshine that can be had should be allowed.

Lorraine Begonias

This is Growing Time for the Plants.

As with the Cyclamens so with the Begonias; they will make more growth now in two weeks than they have up to now in four. Over-potting is a bad thing for any plant, but, perhaps, more so with the Lorraines; yellow leaves are usually the result, especially when a heavy soil has been made use of—and yet there is such a thing possible as stunting the plants in too small pots, particularly now. Examine the stock carefully; if at all potbound, don't wait for a time to shift, but do not shift unless you are positive that the plants are in need of it. As to what the soil should consist of for potting, it is certain that the main thing is to use a porous soil, for there are good Begonias grown in stiff loam as well as in leaf mould. We are making use of loam and the leaf mould mixed with about one-fifth of well rotted cow manure for the present shifting, and this, with plenty of drainage in the pots seems to suit the plants nicely. While the cool and dewy nights are furnishing ideal growing conditions for the plants, care should be taken to avoid careless watering, thus allowing water to remain on the leaves of the plants. Do your watering early in the day. Examine every pot of the larger sized plants and water carefully if found dry; but don't make the mistake of watering from overhead, it will never do. If the plants are free from green fly, as good a way as any to keep them so is to apply, weekly, a light spraying of a nicotine solution—not to the plants, but between and around the pots; this will be found a good preventive, the fumes from it will keep the fly away. Don't overlook keeping the flowers and buds removed; growth is what you want now and not flowers; also attend to the staking of the plants, which, attended to regularly, is an easy job.

Pot Chrysanthemums

Seasonable Hints On Their Culture.

If you have plants, intended for pots, planted out, either in a cold frame or a bench, you can still practice pinching back, so as to get bushy specimens. The trouble with planting out stock intended for pots is the rank growth they make while so planted, and the setback they get when potted up, therefore, anything done to keep the plants short and stocky helps, particularly early potting. Plants potted in early September do not suffer nearly so much as when potted in October, as far as the loss of foliage is concerned; and again, such stock has plenty of time to get established and produce fair flowers. The critical time with them, of course, is right after they are potted. A deep, cold frame, for about a week, is a far better place for them than the best greenhouse. Water properly, spray several times, apply shade for a few days, and the plants are ready for the Chrysanthemum house. With the plants grown in pots all Summer most of them will be, or are shifted to the pots they are to bloom in, and one of the main necessities of their culture, outside of watering, is proper feeding. I don't know of any plant which seems to respond to liquid cow manure more than the Chrysanthemum. If the liquid is weak enough when applied they can live on it, without watering them; and while this may not be the proper thing altogether, it is certainly far better to use very weak doses and give it to them often than to use a heavy dose once a month. See to it that the plants have plenty of room and are properly supported; many fine plants are ruined each year through not receiving support at the proper time.

Pelargoniums

Time Now For Propagating.

Most of us haven't time for the growing of fancy Pelargoniums; we are kept busy growing Geraniums. Still, I don't think it will be long before we shall devote some attention to the culture of this beautiful class of decorative plants,

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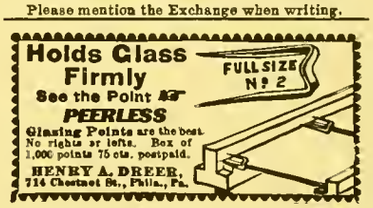

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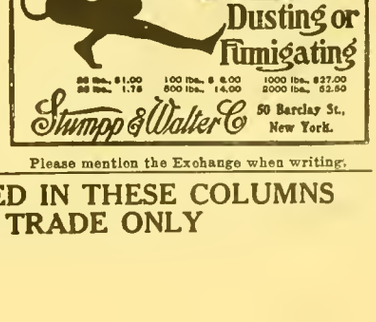

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THE TROUBLE MAN

THE man who is "looking for trouble"—your heating troubles, is busy as a bee these days. That advertising of ours last week called an "Economy Thought" stirred things up in great shape. The letters have been arriving in bunches, asking us to come and make an inspection of troublesome heating plants.

Some, just wanted a boiler but wanted to be sure it was the one they wanted; others had circulation kinks; half a dozen, after a letter or two, took our advice and ordered our automatic headers, being convinced (as we were from the start) that a good part of their troubles lay in careless air venting.

In several instances our "Trouble Man" has agreed to go and make a careful inspection of their entire heating, from the boiler up.

So you see the way things are looking, if your heating needs his kindly attention, you had better get word to him at a right lively pace. He doesn't want to disappoint you, but no man can be in two places at the same time.

There is another side to the "Trouble Man," and that is, whether you are in trouble or not, he is the man who *can keep you out of trouble.* He can advise you the system best adapted to your needs. He is not married to any one system or any one boiler—he wants you to get economical results—and you'll get them if you listen to him. He has the advantage of our sixty years of heating experience back of him—most of it under his hat.

In trouble or out of trouble, write to our "Trouble Man." Address your letter just like this:

THE TROUBLE MAN

HITCHINGS & CO.
ELIZABETH, N. J.

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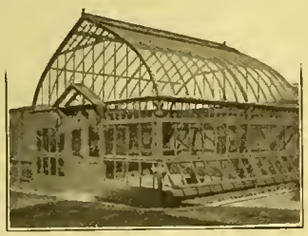

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which are so much appreciated on the other side, where thousands of show Pelargoniums are sold each season. From now on, until October, is the proper time to propagate them. If you have any old plants left over from Spring on hand they will furnish the cuttings. You needn't be too particular as to the size of the cuttings or the condition of the wood. If the propagating bench is not in working order use either flats, low dishes, or seed pans to accommodate the cuttings. They require three to four weeks, and, if the wood is hard, even longer, to root. As long as the stock plants made their growth in full sunlight hardly any shading is required for the cuttings. The rooted cuttings go into 2½'s, and the house you keep the young stock of Geraniums in will do nicely for them. Just one thing to remember is to keep the young plants on the move; as soon as ready shift, and keep on doing so. Pinch so as to get well branched specimens. Keep aphis and green fly away, and, if not many plants are wanted, nothing will pay better than Pelargoniums, if only as an advertisement, to be able to show your customers a few well grown plants in full bloom next Spring. While they are not to be recommended as bedders, or plants which will stay in bloom all Summer, I am sure if more of them were seen more would be sold.

Worcester, Mass.

Asters have done considerably better than was expected earlier in the season and, while the shops are not overstocked with these blooms, there is sufficient supply in good condition to meet demands and fill in the wedding and funeral work.

The window displays throughout the city are mostly of greenery with an occasional showing of Gloxinia, Asters and Lilies. Hydrangeas are doing nicely and large plants of these with beautifully tinted blooms are shown by Main street growers.

Edward W. Breed of Clinton made a display of Gloxinias at last Saturday's exhibition of the Wor. Co. Hort. Soc. which won a first prize; this display was considered the finest of Gloxinia seen in the hall for some time. Charles R. Fish carried off $3 for the best showing of Pompon Asters and Allynd W. Hixon was a winner of the same amount for the best showing of any variety not named in the schedule. Mr. Hixon's Asters were fine specimens of the Victoria type.

Hemingway & Pickett, a firm which specializes in forestry, entomology and landscape work, is new to many Worcester people, although both members are widely known here. Mr. Hemingway has been a member of the Worcester Park Commission for many years, taking a special interest in the beautiful trees in which its parks abound. Mr. Pickett has had years of experience in all branches of the work and the success of the firm is assured.

The New England Fair, to be held in Worcester, Sept. 6 to 9, is arousing much interest. Florists, fruit growers, as well as cattle raisers and seed and implement men will make up some interesting exhibits.

Sec'y Adin A. Hixon of the Wor. Co. Hort. Soc. does not improve very rapidly and is at his desk only one or two days a week. At a meeting of the trustees of the Society recently it was voted to make some necessary repairs on the Society's property. E. D.

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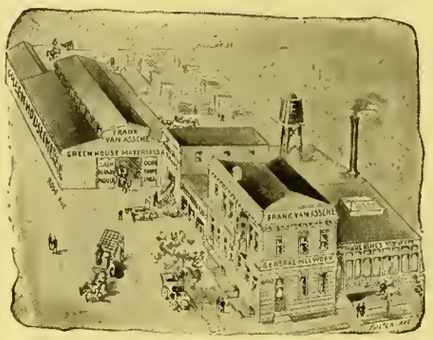

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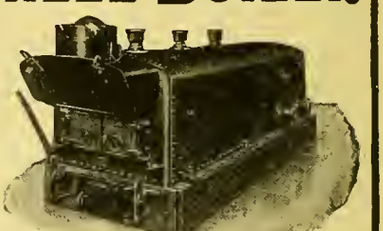

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San Francisco

State of the Market

Market conditions during the past week have shown a decided improvement, flowers sell quicker and there appears to be a bigger demand for cut flowers all round. Stock is plentiful and moves better than it has done for many weeks past.

Carnations do not amount to much as yet, growers being still busy clearing out their old stock, although, by another week, we expect to see a decided improvement in the quality of the blooms. In the way of Roses we have not much to pick and choose from. Am. Beauty are to be had in limited supply and, as a rule, fetch good prices; quite a few outdoor Roses are beginning to make their appearance.

In the way of seasonable flowers we have an abundance of L. rubrum and L. album, both plentiful and finding a ready sale in the city markets. The Belladonna Lily continues to be prominent in the market and few flowers sell better at this time of year. Asters, of course, are quite prominent, although the prices for this flower are not nearly so high as formerly. white sorts being the only ones for which there is great demand.

I noticed a few Sweet Peas still to be seen, but the quality was poor, very poor. In the 'Mum line I think we are far ahead of the Eastern growers, both in the quality of the stock and in the variety of the blooms brought into market at this time of the year; some of the Japanese are especially prominent growers in this specialty.

'Round the Country

Bob Armstrong, for some time past gardener to the Realty Syndicate of Oakland, has taken charge of the Oakland conservatories.

Luther Burbank was awarded a special award of merit and a gold medal for his exhibit of fruits and flowers at the great produce exhibition held at Sebastapol last week.

E. Clark of Portland was a recent caller in town.

Geo. E. Pape, the well known horticultural builder, has started work on the new Lathrop range of glass at Palo Alto.

The new lath house being built by the MacRorie-McLaren Co. at their nurseries at San Mateo is rapidly nearing completion; when finished it will be the largest and best house of this kind in the country.

J. Mischon, late of Beresford, is now employed in the Roach Nursery at Menlo Park.

John Gill of West Berkeley is spending his vacation in southern California this year.

The East Ninth st. pottery works of Oakland have been sold to the Garden City Pottery Co. of San José.

Frank Mills of Palo Alto is sending some very fine Asters into the market these days; all hands are still busy benching Carnations at this establishment.

The E. W. McLellan Co. of Burlingame are adding two new houses to their Rose growing plant; this concern is cutting some very fine Am. Beauty.

Arthur Brill, late of Fair Oaks, has been appointed gardener to H. Haun of Menlo Park. WM. MCM. BROWN.

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Framingham, Mass., Jan. 15, '10.

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It gives me a great deal of pleasure at this time to tell you that I am perfectly satisfied with your construction. We have just experienced two very bad blizzards. One of them was very severe and the house never so much as trembled. In fact it is the stiffest house on my place and you know I have the best of construction on the others.

Wish you every success,

Yours very truly,

(Signed.) S. J. GODDARD.

Send for Bulletin No. 35, which describes the King Iron Frame Construction

KING CONSTRUCTION CO., North Tonawanda, N. Y.

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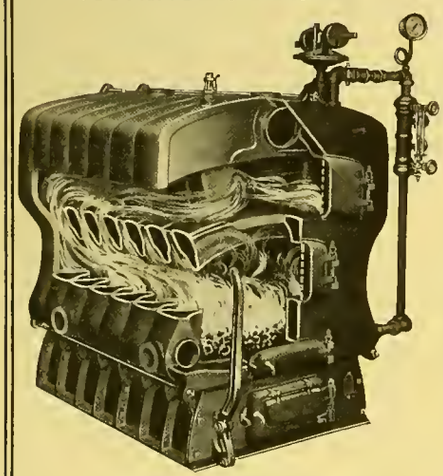
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."

For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now ! ! !

JOHN C. MONINGER CO.

CHICAGO

906 Blackhawk Street

Please mention the Exchange when writing.

WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.

15 Michigan St., CLEVELAND, OHIO

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MASTICA

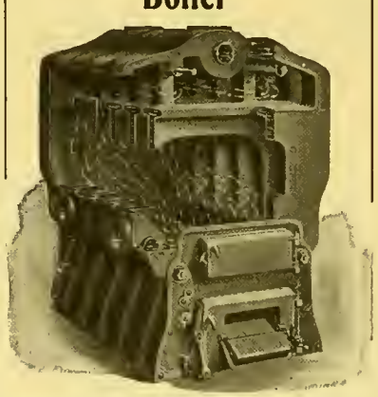


Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Ideal Greenhouse Boiler



EVERYTHING in VENTILATING and HEATING

CHARLES H. DODD

576 to 580 Ocean Ave., JERSEY CITY, N. J.

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Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity

THE CAMP CONDUIT CO.

613 Euclid Ave. - - Cleveland, Ohio

Please mention the Exchange when writing.

TWO THINGS YOU SHOULD NEVER BE WITHOUT



PUTTY THAT STAYS PUT is one of them. Stays put, because only pure materials are put into it. But their purity is not the only reason by any manner of means—the way it is made has also a good bit to do with it.

Years ago we discarded the usual method of mixing linseed oil and whiting in a tub by stirring and twisting it around with big paddles. We found that putty made that way was filled with little lumps in spite of all the paddling we could do. Now it is mixed by a machine which not only mixes but rolls the putty under pressure, so that all the lumps, big and little, are crushed.

As a result, our Special Greenhouse Putty is smooth as silk and does the trick. It is sold in special sheet iron, leak tight tubs. Costs but little more than the lumpy kinds or the fish oil and marble dust mixtures that are cracked up as the only thing.



WHITE LEAD—Special Ideal Brand Greenhouse White Lead is the other thing no careful buyer ought to be without. We say careful, meaning not alone the number of pennies that can be saved in careful buying, but also concerning the quality of what you buy. You don't save money when you buy a poor thing for less than a good one costs—that's losing money.

One thing is certain, there is a lot of mighty unsatisfactory White Lead sold to greenhouse men! Where's the trouble? In the lead of course—not enough of it *is* lead. This Ideal lead is a lead that *is lead*. We *know* it is lead, because our chemists make accurate tests of every batch of it that is put up.

But here again, it is not all in the lead itself; there is a lot in how the lead is made. It's too long a process to tell you, but the result is there, and that's what counts. The Right Lead and the right price for the right lead. Order some now, and make your own paint—you will know what a pure paint is then.

LORD & BURNHAM CO.

IRVINGTON, N. Y.

NEW YORK St. James Bldg. | BOSTON Tremont Bldg. | PHILADELPHIA Heed Bldg. | CHICAGO The Rookery

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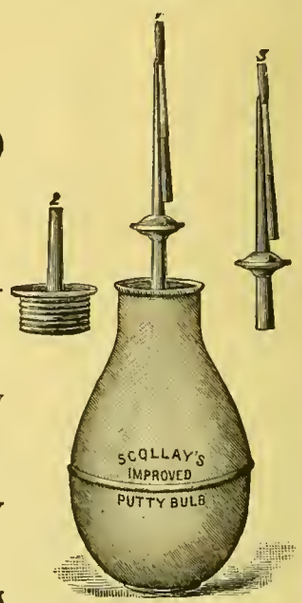
Scollay's Putty Bulb

MONEY SAVED—and that is what counts

Best Tool in Use for Glazing and Repairing



For sale by your Seedsman or Supply House, or **sent per mail on receipt of One Dollar, postpaid**

JOHN A. SCOLLAY

74 and 76 Myrtle Avenue

Borough of Brooklyn, City of New York

Please mention the Exchange when writing.

The book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co. Ltd. 2 to 8 Duane St., New York

MAKING CONCRETE Tools, Process and Formulas described on Page 432

The Florists' Exchange



We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 10 NEW YORK AND CHICAGO, SEPTEMBER 3, 1910 One Dollar Per Year

LILIUM HARRISII Now ready for delivery

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

6 to 7-inch bulbs, 350 to the case, **$17.50** per case; less quantities, **$6.00** per 100.

7 to 9-inch bulbs, 200 to the case, **$18.00** per case; less quantities, **$10.00** per 100.

9 to 11-inch bulbs, 100 to the case, **$20.00** per case, less quantities, **$25.00** per 100.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, **50c.** each; fine specimens, 8-inch pans, **$1.00** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especally fine in the small sizes. Extra fine plants, 4-inch pots, **25c.** each; 6-Inch pots, **50c.** each; strong young plants, 2¼-inch pots for growing on, **$10.00** per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, **25c.** each; large specimens, 8-inch pans, **$1.00** each.

Bostoniensis. Good plants, 6-inch pots, **50c.** each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ....$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants .... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants .... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozeu, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:

3-inch pots .... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch.....	$8.00	$75.00
" "	2½-inch.....	6.00	55.00
White Killarneys,	2½-inch.	8.50	80.00
My Maryland,	2½-inch.....	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch.....	5.00	

BEGONIA GLOIRE DE LORRAINE

(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

WE are Headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagation.

We are now shipping fine stocky plants from 3-inch pots in a good assortment of Standard kinds at $3.00 per 100, $25.00 per 1000.

Cannas and Dahlias. Send for List.

Alyssum and Swainsona,
White, 3-inch, at $3.00 per 100.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 425



King "Spawn"

Fresh Milltract—with lots of Mycelium in the bricks—sure cropper—100 LBS. $7.00.

BULBS

	Per 100	Per 1000
WHITE ROMANS, 11-12 ctms.	$2.25	$20.00
WHITE ROMANS, 12-15 ctms.	2.75	24.00
WHITE ROMANS, 13-15 ctms.	3.00	28.50
NARCISSUS—Paper White Grandiflora	1.15	9.00
NASCISSUS—Early Double Roman	1.25	9.00
LILIUM CANDIDUM—Extra Bulbs	5.00	45.00
LILIUM FORMOSUM, 7 to 9	8.00	70.00
LILIUM FORMOSUM, 9 to 10	10.50	95.00
LILIUM HARRISII, 5 to 7	5.00	45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Narcissus–Paper White Grandiflora



Vaughan's Star Brand

Per 1000.....$10.50

Fancy

Per 1000.....$8.50

Lilium Formosum

	Per 1000
7-9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00

Lilium Harrisii

5-7 in.	$40.00 per 1000
6-7 in.	60.00 per 1000
7-9 in.	85.00 per 1000

Freesias French Grown Mammoth, $8.00 per 1000.

Romans, Callas, Candidum, Chinese Lilies

Just arrived, first shipment of Dutch Bulbs.

FREE VAUGHAN'S BOOK FOR FLORISTS NOW READY **FREE**

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

POT GROWN **Strawberry Plants**

50,000 well established plants. Prices on application.

Bederwood	Cardinal	Gandy	McKinley	Sharpless
Brandywine	Chesapeake	Glen Mary	Nick Ohmer	Virginia
Bubach	Climax	Marshall	Oom Paul	Wm. Belt
	Excelsior		Success	

THE ELIZABETH NURSERY COMPANY Elizabeth, N. J.

Please mention the Exchange when writing.

STUMPP & WALTER CO.'S

Winter Flowering

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. New crop seed has just arrived, and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. C. H. TOTTY, Lavender	.15	.50	1.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50

READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

Roman Hyacinths

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00
White, 15 ctms. and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

	Doz.	100	1000
5 x 7, 400 to case	$0.75	$5.00	$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	1.25	8.50	75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

THICK PETALED VARIETY	1.00	6.50	60.00

Freesia Bulbs

	100	1000	5000
REFRACTA ALBA MAMMOTH	$1.50	$10.00	$45.00
REFRACTA ALBA. Selected First Size	.85	7.00	34.00
JUMBO BULBS	2.00	15.00	70.00

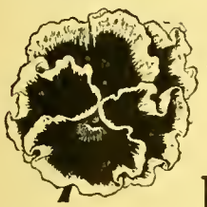
Stumpp & Walter Co.

50 Barclay St., NEW YORK

Please mention the Exchange when writing.

NOW READY
FULL LINE

DUTCH BULBS



Paper White Narcissus—White Romans
Lilium Harrisii—Freesias

PURE CULTURE and ENGLISH MUSHROOM SPAWN
HIGHEST QUALITY—REASONABLE PRICES

See Our Giant Pansy offer in last issue
Write for our Wholesale Bulb List

Johnson Seed Co., 217 MARKET ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

JAPAN BAMBOO STAKES

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65c. per 100, $5.00 per 1000, $9.00 per 2000.

Dyed Green, 2 feet, 35c. per 100, $2.50 per 1000.

Dyed Green, 3 feet, 50c. per 100, $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

Special Offer

(To clear out)

COLD STORAGE LIL. GIGANTEUM, 300 in case, 7x9 size. In finest condition, per case of 300, $21.00.

We also offer:

LIL. CANDIDUM, extra large, 12 thick petaled stock	$0.60	$4.50
LIL. CANDIDUM, mammoth bulbs, thick petaled stock	.85	5.00
LIL. CANDIDUM, Jumbo bulbs, Monstrous petaled stock	1.00	6.00
LIL. HARRISII, 7x9	1.25	8.50
LIL. HARRISII, 9x11	2.75	20.00

Send for our Trade Fall List.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Primroses

Improved Chinese Finest grown. All colors mixed, single and double, strong, ready for 4-inch pots, $4.00 per 100.

Cyclamen Giganteum Very extra fine, 4-in., ready for 4 or 5 inch pots, $5.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose finest grown, single and double mixed; ⅛ pkt. 50c., 500 seeds, $1.00, 1000 seeds, $1.50.

Primula Kewensis the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria large flowering dwarf, mixed, 1000 seeds, 50c., ⅛ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 5000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Stokes' Standard Mixed Pansy

Stokes Seeds Philadelphia

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ⅛ oz., 75c.; ¼ oz., $2.75; 1 oz., $5.00.

PAPER WHITE NARCISSUS

Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 ctms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.

Send for Florist's Wholesale Price List

Please mention the Exchange when writing.

WE PRINT CATALOGUES

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Nos. 2 to 8 Duane Street, NEW YORK
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen cericum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.50	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marienthal	.50	5.00
Salmonenm	.50	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	5.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

LILIUM HARRISII

HIGH GRADE STOCK, 5 to 7, 6 to 7, 7 to 9, 9 to 11, AT POPULAR PRICES.

ROMAN HYACINTHS—PAPER WHITE NARCISSUS—DUTCH BULBS

CYCLAMEN GIGANTEUM SEED
Very Best Strain. New Crop Now Ready.

Inquiries Solicited.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec, Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—August 23.—Maltus & Ware, 8 cases living plants. August 24.—Sanderson & Son, 253 bags seeds; Lunham & Moore, 48 pkgs. Mushroom spawn. August 25.—F. W. Wood & Sons, 400 bbls. Clover seed; Jacob & Mullen, 100 bbls. Clover seed; F. B. Vandergrift & Co., 150 bbls. Clover seed. August 26.—Vaughan's Seed Store, 2 cases bulbs; H. Nungesser & Co., 600 bags Grass seed. August 27 and 28.—P. Henderson & Co., 15 cases Mushroom spawn.

MUSKOGEE, OKLA.—The Bindings-Stevens Seed Co. will move into the Madden Building at an early date. This house was formerly known as the Muskogee Seed Co., located at 223 North Main st., but as the business grew a larger working capital was an imperative necessity, and the present company was the result. The opening of the large store in the Madden Building gives the company two places of business now, one in Tulsa and one here, while another is soon to be opened in Enid.

PETERSBURG, VA.—Fire recently damaged the warehouse of the Grossman Seed and Supply Co. to a considerable extent. The company had stored in the warehouse a large quantity of seeds, farming implements and wire fencing, all of which was damaged more by smoke and water than fire. The loss is estimated at $1000, fully covered by insurance.

GREENVILLE, VA.—The Carolina Seed and Fuel Co. has been incorporated with a capital of $50,000 authorized, and $3500 subscribed.

American Notes

The Seed Crops

We have arrived at a time now when every seedsman and dealer, who has the intention of selling seeds another Spring, is very much interested in the supply and demand question, as appertaining to the line of seed stock he should secure in the very near future. Of course, we hear on every side the remark; "Oh! there will be plenty of seeds; there always has been and there always will be"; but the well informed seedsman knows that many shortages are already a fact with the seed crops that will now so soon be harvested. The three most important seed staples are Garden Beans, Peas and Sweet Corn, and it may perhaps be well to mention them first.

Speaking of Sweet Corn: from what information the writer has been able to gather from presumably authentic sources, it does not seem possible that Early Sweet Corn will, on the whole, yield a quantity sufficient to deliver on contract orders more than an average of 50 per cent. Since we have had good and

There is nothing a grower can produce at a reasonable price which will compare in artistic and refined beauty and design, with a pure white Giganteum Lily Plant. Now to produce a plant of beauty, bulbs of the very best quality are required. Horseshoe Brand Bulbs will produce plants of the highest order. They will net more profit per thousand bulbs than any brand known because they are positively the cream of the crop from Japan.

Write for prices.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Order Cold Storage Giganteum at once for Xmas blooming.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Con.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 589 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable **Seeds** for the **Florists**

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 KAFFIR CORN for Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advertisements quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Furthermore, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

copious rains, the late varieties such as Stowell's Evergreen, etc., will turn out much better, and let it be hoped that an average delivery may be secured, at least on some kinds. If the delivery on contracts for the late varieties of Sweet Corn should average 75 per cent., it would seem to be all that can be expected from the present outlook. It may be of interest to mention here that the Field Corn grown for seed stock will also be a short item, yielding, perhaps, on contracts an average of 50 to 60 per cent.

Garden Peas were much hurt by the dry, hot weather which started with the middle of June and continued with a severity we have not had in years until, let us say, about the middle of August. It is not exaggeratiug, by any means, to affirm that there are hundreds of crops of Garden Peas which were planted for seed, all over the country, that will not, as an average yield, return the seed that was sown to produce them. There are a few places that have been favored with an occasional rainfall during this dry period where a fair crop of garden seed Peas will no doubt be secured; but even in these favorable instances the crop will be less, much less, than a year ago. The shortages in late varieties will far exceed that of the early varieties, for the reason that some of the Extra-Earlies had podded out pretty well before the extreme heat commenced. Some States report seed Pea crops as bad, if not worse, than they have been at any time during the last decade. It is not the purpose of the writer to send out any scaring reports, but it is hoped that those dealers, especially those who have a general stock of goods, and carry seeds as a side department, so to speak, should know how matters stand, and place their orders early, as it will be very disappointing to wait until the last moment and then be told by the wholesale seedsman that he regrets he has nothing to deliver. There are, however, some very good Garden Pea crops in process of harvesting in Canada, and growers there who have large acreages are fortunate people. The best crops of Garden Peas this season, however, are in the State of New York, and it may be necessary for many New York Garden Pea growers, who some years since thought best to transfer their crops from the Empire State to the West, to return to their old haunts, with the one proviso—that New York State farmers can be induced to again take up the growing of Garden Peas; for it is well known that farmers can now grow cooking Beans and obtain a much better percentage of profit on them than on Garden Peas; and it may be opportune here to remark that it is not at all far in the future when the prices paid, we will say, on an average for Garden Peas during the last decade will be nothing but history, and if we do not pay at least a dollar a bushel more on contracts for them in the very near future the writer is wrong in his surmise.



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

Your Money is well spent when you Advertise in THE FLORISTS' EXCHANGE



Photograph taken Nov., 1909, of a field of the Red Cabbage "Danish Stonehead," grown for seed, showing the heads for the 1910 Crop.



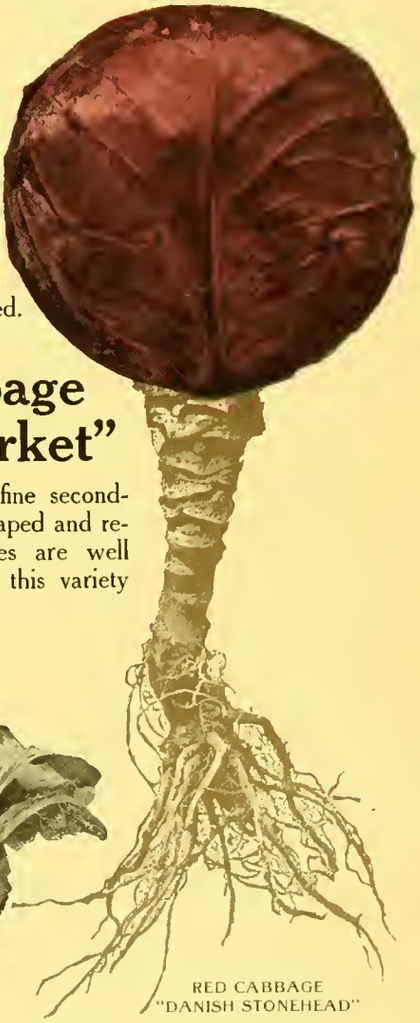
RED CABBAGE "DANISH STONEHEAD".

Red Cabbage "Danish Stonehead"

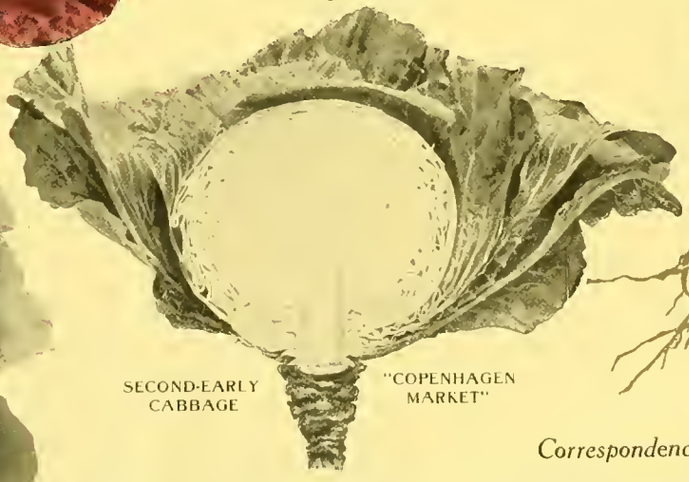
Our novelty of 1906. A very superior variety; heads round and compact; color intense red. The outer leaves are medium in size and covered with a silvery sheen. Keeps through the Winter perfectly and is highly recommended.

Second-Early Cabbage "Copenhagen Market"

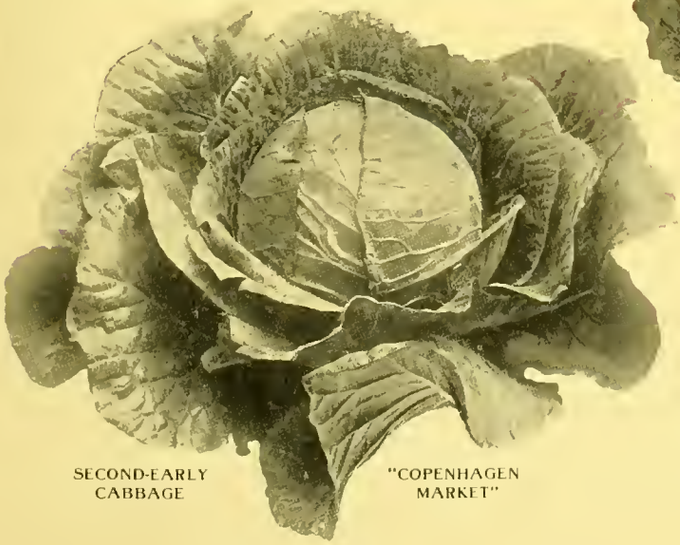
Our introduction of 1910. A very fine second-early Cabbage; heads large, globe-shaped and remarkably solid. The outside leaves are well developed. The average weight of this variety is 14 to 16 pounds.



RED CABBAGE "DANISH STONEHEAD"



SECOND-EARLY CABBAGE "COPENHAGEN MARKET"



SECOND-EARLY CABBAGE "COPENHAGEN MARKET"

Correspondence Solicited.

HJALMAR HARTMANN & CO.,

SEED GROWERS

COPENHAGEN, DENMARK.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price-List on 10,000 lots. Ready from November on.

IXL Strain of Pansy Plants

LIMITED

You Can't Beat Them. Finest Vet.
1000 lots, at $3.00 per 1000
5000 lots, at 2.50 per 1000
5000 lots and over at same rate.
Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

After much careful thought, and trying to neither over-rate nor under-rate the situation regarding the Garden Pea crop for seed, the writer has compiled the following table, which, in the right-hand column, states what would seem to be the consensus of opinion as to what may turn out to be the average percentages of deliveries on contracts:

Garden Seed Peas

Estimated percentage of seed yield, crop 1910.

Variety	Percentage
Abundance	25
Everbearing	10
American Wonder	15
Nott's Excelsior	15
Little Gem	15
Premium Gem	10
Advancer	50
Admiral	30
Market Garden	35
Prince of Wales	60
Heroine	25
Juno	75
Shropshire Hero	60
Daisy	40
Dwarf Telephone	40
Stratagem	50
Gradus	20
Queen	50
Gregory's Excelsior	10
Telephone	20
Champion of England	25
Forty Fold	25
Alaska	40
Earliest of All	50
First and Best	35
Tom Thumb	10
French Canner	75
Fillbasket	50
Pride of the Market	10
Sutton's Excelsior	20
Telegraph	40
Long Island Mammoth	40
White-Eye Marrowfat	40
Royal Dwarf Marrowfat	40
Black-Eye Marrowfat	25
Sugar Marrow	75
Prolific Early Market	60
Canada Field	40
Melting Sugar	15
Ameer	50
Dwarf Grey Sugar	10
Giant or Luscious	40
Dwarf White Sugar	75
Surprise	20
New Dwarf Champion	15
Alderman	25
Carter's Early Morn	20
Thomas Laxton	20
Duke of Albany	25
Admiral Dewey	25

Attention should be directed here to the fact that last season was one of the lightest seed yielding years that many of our oldest and most experienced growers of Garden Peas ever experienced.

Referring to Beans once more, it will be some time, of course, before we really know percentages on crop returns. Most growers look for a fair to light yield on the average. It will be surely October 15 to November 1 before authentic information can be submitted.

Speaking of New York State, Garden Beans are promising well at present, having been wonderfully benefited by the recent rains, and it does look as if there would be relief in this direction through getting fairly good percentages on contract deliveries of many varieties. This will help materially, as many will plant Beans if they cannot get Peas.

One word in closing regarding small seeds. There will be shortages through practically the whole list of those small seeds that come from Europe. There will also be heavy shortages in vine seeds, especially in Winter Squash. Summer Squash sorts look fairly well, having been helped by the rains, but there will be no surplus in any direction even here. Pumpkin, Watermelon and Cucumber promise fair returns, but Muskmelon will probably not average over 50 to 60 per cent. of an average crop.

The writer has much other crop information but it would seem well at the present time not to publish the same, for the reason that a few weeks will show much clearer what we are to expect; but in closing, let it again be emphatically repeated that there will be shortages all along the line in vegetable seeds from the present growing seed crops, and it is the wise dealer who does at once give this matter his serious attention and make secure his needs for the seed selling season of 1910. V.

DREER'S PERFECT PANSIES

We are daily receiving new lots of Pansy seed from our growers. We fully realize the importance of sending out only the best qualities of Pansies and as our supply is received from careful growers we feel sure our strains are not surpassed for quality or germination.

	Tr. pkt.	Oz.
Dreer's Royal Exhibition. This is our finest mixture. It comprises a wonderful variety of colorings, flowers of largest size, of perfect form and texture. Being made up of varieties of the highest grade, which are always shy seeders, it is necessarily high priced. ⅛ oz., $1.25	$0.50	$8.00
Dreer's Premium. This mixture comprises a large number of colorings and is intended to supply the want of a first-class mixture at a moderate price.	.50	4.00
Cassier's Giant. A grand mixture of the finest blotched varieties, splendid in every way, being large in size and rich in coloring	.50	3.00
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved, giving the flower a doubled or globular appearance. The range of color is very extensive; the rich, dark velvety shades predominating.	.50	5.00
Mme. Perret. A beautiful strain; flowers of largest size and borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from the introducer.	.40	2.50
Giant Trimardeau. Of strong, robust growth with very large flowers in a good range of colors	.25	1.00
Giant Parisian. Of very large size, and containing a great many fancy colors and color combinations	.30	1.50
English Finest Mixed. A very fine mixture of good clear colors	.20	.75
Good Mixed. All colors	.15	.50
Adonis. Soft lavender blue, blotched deep blue	.25	1.00
Cardinal. The brightest red	.25	1.00
Emperor William. Ultramarine blue	.25	1.00
Faust or King of the Blacks. Black purple	.25	1.00
Kaiser Frederick. Velvety brown, edged red and yellow. Very rich.	.25	1.00
Lord Beaconsfield. Purple shading to white	.25	1.00
Mahogany Color.	.25	1.00
Peacock. Blue, claret and white	.25	1.00
Psyche. Purple violet, edged white	.50	3.00
Snow Queen. Pure white	.25	1.00
White, with dark eye	.25	1.00
Yellow, with dark eye	.25	1.00
Yellow Gem, pure yellow	.25	1.00
Giant Trimardeau. Black	.30	1.50
" " **Emperor William.** Bright blue	.30	1.50
" " **Fire King.** Purple and gold, fine	.30	1.50
" " **Striped.**	.30	1.50
" " **White** with dark eye	.30	1.50
" " **Yellow** with dark eye	.30	1.50



HENRY A. DREER, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Pansy Seed

NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

New York Seed Trade

Once more the seedsmen are working on full time, so to speak, the Saturday half holidays having ended. Every steamer is now bringing Holland bulbs and, as can be easily seen by the manifests, in larger quantities than in any previous season; but large as the quantities are, trade is already so strong that it will not be long before shortages begin to develop in many directions. The Fall catalogs are going out daily and everything is activity.

David S. F. Adam, who for the past ten years has had charge especially of the implement department of J. M. Thorburn & Co., has resigned his position. Previous to going with Messrs. Thorburn, Mr. Adam was twelve years with Peter Henderson & Co.; he also did considerable traveling for Messrs. Thorburn, looking after the private gardeners' trade.

Leonard H. Vaughan, who for some weeks has been in this city arranging the change of managers at Vaughan's Seed Store here, returned to Chicago last Monday. Mr. Vaughan expressed himself before returning as very much pleased with the outlook for the Fall bulb business.

John L. Russell, who was in the flower seed department of W. W. Rawson & Co., Boston, for the past two and a half years, is now with Arthur T. Boddington. Previous to Mr. Russell's going with Messrs. Rawson, he was two and a half years at Vaughan's Seed Store, Chicago.

Burnett Bros. have a very fine stock of monster size White Roman Hyacinths, for which they have a large trade here. Paperwhite Narcissus with them are also up to the quality of previous years.

Pansy Seed

NEW CROP, GIANT FLOWERING,
Ounce $4.00

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
KEWENSIS, yellow,	$2.00
Chinese and Forbesii	2.00
Obconica alba and rosea	2.00
Obconica gigantea	3.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

PANSIES

300,000 Brown's Improved Giant Prize Pansy Plants. In Mixed and Separate Colors, $3.00 per 1000; $2.50 per 1000, in 5000 lots. Fine, Stocky Plants.

Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

The Stumpp & Walter Co. are making a most excellent display this week, in their show windows, of cut Gladioli blooms. They are showing some forty of the better class of named varieties, in large vases of a dozen spikes each, each vase very neatly labeled so that the public may compare the merits of the various sorts. A sign reads "Gladiolus orders booked now for bulbs to be delivered between now and Spring at your convenience."

Wm. A. Sperling, secretary of the Stumpp & Walter Co., has returned from the S. A. F. and O. H. Rochester convention, where he was in charge of the elaborate exhibit of the Stumpp & Walter Co., full of enthusiasm for the future of the florists' business in this country. Mr. Sperling was much impressed with the healthy tone of the convention. Regarding the company's exhibit he feels that his house was well repaid even for the large amount of labor that was involved in making the display it had at Rochester.

The Fall catalog of "Buds" Seed Store is being distributed. It is a most attractive booklet of 16 pages and cover, finely illustrated, and was printed by the A. T. De La Mare Ptg. & Pub. Co., Ltd. It is entirely needless to say here that the "Buds" look for a good Fall bulb trade, for everyone who keeps bulbs will get that in this city this Autumn.

GIANT PANSY SEED

THE KENILWORTH STRAIN

Must not be compared with the flimsy Trimardeau, it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of Brown, Bronze, Red, Mahogany and numerous others. 1910 Seed Now Ready. Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00, pound $50.00.

Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Brown, Bronze and Light Blue Shades.** Trade pkt. 25c., any five $1.00.

Rainbow is a blend of over 50 of the latest introductions of giant Pansies of the most beautiful gorgeous colors blocked, striped, veined, margined, etc. With every $1.00 worth of Kenilworth strain I will send 1000 Seeds of Rainbow free, and with other amounts in like proportion.



Please mention the Exchange when writing.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DeLaMare Co. (Pubrs. F. E.)
P. O. Box 1697, New York.



NEW CROP SEED FOR SOWING NOW

CYCLAMEN SEED

Michell's Giant Strain

Seed grown for us by a leading specialist in England, and cannot be excelled for size and brilliancy of coloring.

	100 Seeds	1000 Seeds
DUKE OF CONNAUGHT. Crimson	$1.25	$10.00
EXCELSIOR. White with red eye	1.25	10.00
GRANDIFLORA ALBA. Pure white	1.25	10.00
PRINCESS OF WALES. Deep pink	1.25	10.00
SALMON QUEEN. Salmon rose	1.25	10.00
MIXED. All colors	1.00	9.00

Regular Giganteum Strain

	100 Seeds	1000 Seeds
GIGANTEUM ALBUM. White	$0.75	$6.00
" **ROSEUM.** Pink	.75	6.00
" **RUBRUM.** Red	.75	6.00
" **WHITE** with red eye	.75	6.00
" **MIXED.**	.60	5.00

SWEET PEAS

Winter Flowering Varieties

(Originated by Ant. C. Zvolanek)

Sow now to have in bloom for Christmas.

	Oz.	¼ lb.	Lb.
Christmas Captain. Blue and purple	$0.25	$0.75	$2.00
" **Pink.** Pink and white	.25	.75	2.00
" **White (Florence Denzer)**	.25	.75	2.00
Le Marquis. Large dark blue	.25	.75	2.00
Mrs. Alex. Wallace. Lavender	.25	.75	2.00
Mrs. Chas. H. Totty. Lavender	.25	.75	2.00
Mrs. Edie Wild. Carmine red	.25	.75	2.00
Mrs. F. J. Delansky. Pink	.25	.75	2.00
Mrs. Geo. Lewis. Pure white	.25	.75	2.00
Mrs. W. W. Smalley. Satin Pink	.25	.75	2.00
Mrs. William Sim. Salmon pink	.25	.75	2.00
Watchung. Pure white	.25	.75	2.00
Mixed	.25	.75	2.00

OUR WHOLESALE CATALOGUE OF BULBS, SEEDS, ETC., FREE

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.



DREER'S GIANT CYCLAMEN

NEW CROP SEED NOW READY

WE have for years carefully noted the various strains of Cyclamen from the world's foremost specialists and feel sure that the strain here offered is by far the best regardless of price.

Our grower has made the Cyclamen a life study, and the strain is now practically perfect; the habit of the plants, purity of colors, size and substance of the flowers leaving nothing to be desired.

Many of the leading growers are now using this strain exclusively. We offer as follows:

	100 Seeds	1000 Seeds
DREER'S GIANT PURE WHITE	$0 75	$6.00
DREER'S GIANT WHITE WITH CARMINE EYE	.75	6.00
DREER'S GIANT ROSE WITH DARK EYE	.75	6.00
DREER'S GIANT BLOOD RED	.75	6.00
DREER'S GIANT CHOICEST MIXED, all colors	.60	5.00
DREER'S GIANT WONDER OF WANDSBEK. A new variety of various brilliant rose shades suffused with salmon. A striking color	1.50	12.00

PLANTS FOR NEXT WINTER'S BLOOMING

We can supply nice 3-inch pot plants of our Giant Cyclamen in the first four colors noted above, $1.25 per doz.; $10.00 per 100.

HENRY A. DREER 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. **50** cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., **50** cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen

5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

The book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A.T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

O. V. Zangen, seedsman, Hoboken, N. J., received 248 cases of Holland bulbs in the past week. Mr. Zangen feels that a larger business in Holland bulbs will be done the coming Autumn season than in any past year. Advance orders and inquiries at the present time are being received by him in very large volume.

B. L. Chadwick, of Vaughan's Seed Store, has just returned from a most enjoyable two weeks' vacation along the shores of the Hudson, with Rhinebeck as the objective point.

Leon O. Hernandez, who has been with Wm. Elliott & Sons the past ten years, will change his position with them from inside to outside work. Mr. Hernandez will in future travel for the firm and his many friends in the trade in all its branches wish him every success in his new position. As a traveler for Messrs. Elliott, Mr. Hernandez succeeds R. MacNiff who, as we announced in these columns a few weeks since, has started for himself at 62 Vesey st., as a horticultural auctioneer.

Weeber & Don are very much pleased with the largely increased sales for the Autumn sowings, they have already commenced to make for their special Golf Course mixtures of Grass seeds. The firm has met with much success along this line for a number of years, which their increasing volume of business in this direction each succeeding season fully confirms.

A. Lee Don, of Weeber & Don, was married last Wednesday, Aug. 31, to Miss Myra F. Arnold of Englewood, N. J. The congratulations of the entire trade have been extended to Mr. Don who, during the dozen years he has devoted to the seed business with his father, has become most popular.

The Stumpp & Walter Co. is distributing its Fall bulb catalogue, which is a very attractive, well illustrated book, of 36 pages and cover. The use of halftones exclusively is one of the reasons for the very pleasing general effect of this catalog. It is needless to specify that it contains full lists of the better class of Holland bulbs, fully described in a practical and readable manner. It is certainly a bulb catalog that every florist should at once obtain.

Peter Henderson & Co. are very much pleased with the success of their Gladiolus display last week, which they arranged for the returning delegates from the S. A. F. and O. H. Rochester Convention. A large number of the returning delegates from Rochester took advantage of the occasion to thoroughly examine and compare the merits of the 200 and over novelties and standard varieties of this now most popular flower which were on exhibition during the week.

The EXCHANGE endeavored, in its last week's issue, to emphasize, with pictures, the excellent showing made by seedsmen at the trade exhibition at Rochester. Unfortunately, photographs of all the exhibits were not procurable, among the missing being one of the very excellent exhibit of Arthur T. Boddington. Mr. Boddington's exhibit was well worthy of the serious attention of every visitor at the exhibition interested in things horticultural.

Chas. W. Jacob & Allison, of 18 Cedar st., are offering to the trade "Bark Cloth." This is a new introduction of great merit, apparently, and is being used for protecting plants of all kinds from frost; that is, this is one of its uses, and at the present time a seasonable one. We understand that this firm are placing agencies, or will do so, for this money-making product.

Prices Advertised in these Columns are for THE TRADE ONLY

Philadelphia Seed Trade

The increasing favor with which Alfalfa is received among the farmers has caused a heavier demand than ever before for the seed, and stocks are at present rather short, and the prices high.

There is a strong demand for Timothy and Red Clover seed also, notwithstanding the advancing prices.

Letters to the Moore Seed Co. from prominent seedsmen in Hamburg, Germany, state that the carry-over of Red Clover seed is only moderate; that the first cutting has been made with good results, except that a great deal was secured in wet condition, owing to excessive rains; and that, in White Clover, old stocks are nearly exhausted, and, though a little of the early cut gave nice bright seeds, the later seeds were badly stained by rain, and the quantity is far below the average, with prices advancing. Crimson Clover turned out much worse than was expected, most seeds being discolored by the rain; high prices are asked for the better lots. Alfalfa in Turkestan, Italy and southern France is, so far, favorable; however, available seeds are very short, and fine grades practically exhausted. The prices of Timothy seed are unsettled and higher, and it is no longer listed by the wholesalers, prices being given only on application. All Beet seeds are now double the contract prices. The Moore Seed Co. have now received their first shipment of Dutch bulbs.

Walter P. Stokes, seedsman, has received a shipment of Dutch bulbs by the S. S. Haverford, which arrived this week. The cut of Lilies and Lily of the Valley from the Stokes greenhouses at Floracroft, Moorestown, N. J., is constant. Mr. Stokes reports that his sales of Alfalfa have been unusually heavy.

The steamship Philadelphia arriving this week brought a shipment of Dutch bulbs to the Johnson Seed Co. The bulb catalog of this company is now ready and will be mailed on request. Herbert W. Johnson, Jr., is on a vacation at Cape May, and William H. Smith has just returned from his vacation.

The Michell Seed House, 518 Market st., is now offering a full line of fruit pickers, and also the celebrated "Pennsylvania Lawn Cleaner and Rake." The Henry F. Michell Co., 1018 Market st., is exhibiting a vase of the Gladiolus Francis King, a very pleasing variety; also specimens of Ligustrum aureum in large pots, for sale; this is one of the handsomest and hardiest of variegated shrubs.

Henry A. Dreer, Inc., reports the receiving of very heavy orders from florists for French and Dutch bulbs. This company is this week displaying in its store window about twenty varieties of Gladiolus blooms, among them Blue Jay, the color of which is indicated by its name, one of the most striking of all blue Gladioli; also Columbia, and Rosella, which have large flowers of pleasing shades of color.

Maurice Fuld, who, for the past four years has been manager of W. W. Rawson & Co., Boston, Mass., goes with the Henry F. Michell Co., Sept. 1. Mr. Fuld, it will be remembered, has the unique distinction of being the organizer and starter of both the New England Dahlia Society and the American Gladiolus Society.

Boston Seed Trade

Miss Mary O'Malley, Milton, Mass., who for the past fifteen years has had charge of the bookkeeping department of W. W. Rawson & Co., will, it is understood, be married on October 12 to George L. Miller of Newark, O. Mr. Miller, who severed his connection with the Rawson house last Spring, had been with it several seasons in the flower seed and bulb department.

Maurice Fuld, who for the last four years was with W. W. Rawson & Co., Boston, has connected himself with the Henry F. Michell Co., Philadelphia, Pa., and commenced his new duties September 1.

Duty on Hyacinth Bulbs Decided

The United States general appraisers have rendered an important decision in regard to the tariff as affecting Hyacinth bulbs. Sometime ago, we reported in these columns that a case embodying the protest of a firm of bulb importers against the assessment of a duty, by the collector of customs of the port of Boston, of $2.50 per thousand on Hyacinth bulbs, under paragraph 263, Tariff Act of 1909, had

VOLUME 1 NUMBER 9

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 3rd, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:

Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.

Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.

Lilium Speciosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc. FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 11 to 12 centimeters, 2,700 bulbs in a case.	$2.25	$20.00
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	2.85	26.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

PAPER WHITE NARCISSUS GRANDIFLORA

With the florist is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	**$1.00**	**$9.00**
14 centimeters and up, 1,000 to the case	**1.25**	**10.00**

Narcissus Christmas Trumpet Major (French-grown). These bulbs arrive at the same time as the Romans and Paper Whites, and if treated in the same manner can be flowered for Christmas. A useful and novel flower for this season of the year and sells on sight. Selected single-nosed bulbs; yellow skins. **The only kind** that will force for Christmas. $1.25 per 100, $11.00 per 1,000; case containing 2,000, $21.00.

FREESIAS (French-Grown)

	100	1000
Bulbs, ⅜ to ½ in. in diameter	$0.75	$6.00
Mammoth Bulbs, ½ to ¾ in. in diameter	1.00	8.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

LILIUM CANDIDUM

The thick-petaled kind. Only the largest size, 22 centimeters and up, in circumference. You should plant some of these. They are excellent for cutting in May and June. $4.50 per 100, $40.00 per 1000. About 250 in a case.

LILIUM LONGIFLORUM FORMOSUM

The wonderful new **Easter Lily** from the **Island of Formosa.** Said by the **introducers to be** free from disease and easy to grow.

	Doz.	100	1000
6- to 8-inch, 400 bulbs in a case	$0.60	$4.50	$40.00
7- to 9-inch, 300 bulbs in a case	1.00	7.00	67.50
8- to 10-inch, 200 bulbs in a case	1.25	10.00	95.00
9- to 10-inch, 200 bulbs in a case	1.50	10.75	105.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

"QUALITY" CHRISTMAS SWEET PEAS

At the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to grow Sweet Peas for Christmas flowering is Now

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Christmas Captain. Blue and purple. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb., 85 cts., lb. $1.50.

Greenbrook. White standard, slightly touched with lavender. Large orchid flowering variety. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. William Sim. Salmon-pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Hannan. Deep rose-pink of a very pleasing shade; medium flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

SEEDS

Imported From France

400 lbs. Globe Radish, 400 lbs. Spinach, 50 lbs. Corn Salad, 20 lbs. Endive, 10 lbs. Welsh Onion, 20 lbs. Strasburg Radish, 20 lbs. White Onion, 40 lbs. Lettuce, 5 lbs. Pansy, 4 oz. Daisy, 4 oz. Hollyhock.

BEAULIEU

Woodhaven, N. Y.

Please mention the Exchange when writing.

Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

JONQUILS Campernelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.50 per 100; $16.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

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BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S. Crown 8vo., Cloth, 212 pages, 42 illus.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.

DELPHINIUM FORMOSUM
HARDY LILIES

Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
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E. S. MILLER, Wading River, N.Y.

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Dutch and French Bulbs

BURNETT BROS.,
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Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

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been heard in New York City, and decision deferred. The contention of the protestants was that under a proper reading of the paragraph a duty of 50c. per thousand only should have been levied, for the reason that the duty of $2.50 per thousand mentioned in the same paragraph referred to "Hyacinth, Astilbe, Dielytra and Lily of the Valley *clumps*." On the word "clumps" the case of the protestants was based, it being asserted that Hyacinths in clumps were essentially different to Hyacinth bulbs. The question involved was one purely of construction of the statute to determine the meaning of the law. The evidence adduced at the hearing of the case in New York was almost entirely in favor of the $2.50 rate. In the decision rendered, the Board says: "After careful consideration of the statute and all things in the record pertinent thereto, we have come to the conclusion that the word "Hyacinth" in said paragraph should not be considered an adjective qualifying "clumps," and hence was intended to cover Hyacinths in the form here imported as a separate and distinct grade or class of bulbs. The protest is therefore overruled."

The decision of the Board appears to be entirely acceptable to the majority of the importers of the country.

Gladioli in California

Ernest Braunton of Los Angeles, a plant enthusiast, has been breeding Gladioli for nine years, and this season has some flowers of wonderful beauty in color and one of them of marvelous size, fully five inches across. It is after the similitude of Hippeastrum flowers, flaring in form, instead of bugle shaped, and the color—I wish I were able to describe it, or a painter that I might portray it on canvas. He also has in that lot of seedlings a clear yellow with dark maroon feathering in the throat, the contrast in color being as sharp and well defined as is found in the markings of Mimulus tigrinus.

This climate is peculiarly adapted to the breeding of Gladioli, Hippeastrums and such-like flowers, and the expense of the care of the bulbs is reduced to the minimum. No freezing to injure them, no damp weather to rot them. I verily believe that when plant breeders awaken to the possibilities of this branch of horticultural endeavor then this State will become as famous for the production of new varieties of certain classes of plants as it is for its climate.

P. D. BARNHART.

School Gardens in Providence, R. I.

This movement has become very popular with the educators, pupils and parents, during the past few years in this city. In Rhode Island, under the direction of our State College and the State Board of Agriculture, the movement has grown rapidly since its inauguration three years ago. We now have about twenty school gardens in the State and others are to be started next season.

The official judges visited the gardens in Providence last week, and so keen was the competition that the judges were unable to reach a decision and will make another tour of inspection in about three weeks.

The individual gardens are each 10x20 ft., and on them most of the commoner sorts of vegetables are grown; the seeds are planted closer than would be profitable were it not for limited space. The borders of these plots are sown with annual varieties of flower seeds, making a striking and showy effect.

The seeds are supplied by Willis S. Pino, seedsman of Providence, a special package being put up especially for this work at 1c., to be obtained only through the State Board of Agriculture. The tools used for this work are also supplied by Mr. Pino, who has offered special prizes in gold for the best garden produced from his seeds. The work has been carried on with great success under the able management and supervision of Ernest K. Thomas of the R. I. State College of Kingston, R. I.

The products from these 10x20 ft. plots return about $5 each to the boy or girl who takes the required interest in its work. Many children carry the ideas to their homes and the result is that many kitchen gardens have been started which help solve the problem of high living expenses and brings the pleasure to a point of profit.

In September there is to be an exhibition at Roger Williams Park of the garden products from the different school gardens of the State, when the prizes offered for the best exhibition of flowers and vegetables will be awarded. The judges will cover the ground three times during the season. H. C. N.

HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

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CANNAS

We grow over one million and offer for Fall or Winter delivery, as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

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20,000 VIOLET PLANTS

Marie Louise, Farquhar and **Princess of Wales,** fine field-grown plants, free from any disease, $5.00 per 100.

ASPARAGUS PLUMOSUS NANUS, 2¼ in., fine plants, $3.00 per 100.

GERANIUMS, Rooted Cuttings, booked for delivery on or before Nov. 1st, of the following varieties: **Poitevine, Nutt, Grant, Doyle, Ricard, Perkins, La Favorite,** and **Mme. Salleroi,** $1.00 per 100, $10.00 per 1000.

WHITE PLAINS NURSERIES
HERMAN BOWMAN, Prop.
92 Railroad Ave., WHITE PLAINS, N. Y.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and **Princess of Wales,** fine field plants, $5.00 per 100, $45.00 per 1000. **Lady Campbell,** $4.00 per 100, $35.00 per 1000.

PRIMULAS, Chinese and Obconica; **CINERARIA** (dwarf) Double; **ALYSSUM; ASPARAGUS Sprengeri;** 2½-inch, $2.00 per 100, 300 for $5.00.

CELERY and **CABBAGE PLANTS,** best varieties, $1.00 per 1000, $7.50 per 10,000.

PARSLEY PLANTS, Double Curled, from field, $1.50 per 1000.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

LILY BULBS

Ready for Immediate Delivery.

LILIUM FORMOSUM	Per 1000
7/9	$65.00
8/10	87.50
9/10	90.00

LILIUM HARRISII	
7/9	90.00

LILIUM JAMESII	
6/7	72.00
7/9	95.00

NARCISSUS—Paper White, Grandifloras, 14/up, 1000 to a case, $11.00. This stock is of the finest grade obtainable. No better stock is being offered.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg, PHILADELPHIA, PA.

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CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK
Florist and Nurserymen, HIGHTSTOWN, N J

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20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $45.00 per 1000.

Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAIN, N. Y.

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VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Please mention the Exchange when writing.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. SCOLLAY.

We have a No. 249 Lord & Burnham boiler which we use only on extra cold nights to help out the two Scollay boilers we have. Some time in the Spring the L. & B. boiler cracked in two different places in the front section, one at the hinges of the top cleaning out door and the other over the coal door. We inquired for a new section but as the boiler is not made any more had to do without it. We are now contemplating packing the whole front section with iron dust, letting it get rusted up and hardened good; this, of course, will make a dead section of the front, but do you think it is safe and advisable to do this? —W. & S., New York.

—I presume the boiler you refer to is one of the old style Burnham sectional boilers, which are connected together with gaskets. I do not recommend the method you propose to adopt. If you could arrange to put blind gaskets between the defective front section and the next intermediate section, it would be better. I have done this for temporary work in some cases, but I do not recommend it, for there is always an element of risk in it. I think possibly if you explain the urgency of your case to the manufacturers of this boiler, that they could arrange to cast, specially for you, a new front section. I would strongly recommend to you the suggestion of installing a new boiler. It will be the cheapest proposition in the end, and in addition will be absolutely safe.

Will you please inform me if an ordinary safety valve set at 10 lbs. is not as good as a Honeywell heat generator; if not, why? Also please explain the generator.—R. E. S., N. Y.

—An ordinary safety valve set at ten pounds pressure will have the same effect as a mercury heat generator made to suit the same pressure on a hot water heating apparatus. I recommend, however, a mercury heat generator in place of the safety valve, for you will find it absolutely reliable and perfectly safe. The trouble in using safety valves on a hot water apparatus is that they sometimes stick, and you do not know really what pressure you have.

The mercury generator consists of an iron chamber with mercury placed in the bottom. The expansion pipe from the boiler is connected on the side of the generator and the top opening from the generator is connected to the expansion tank. As soon as the fire is started, the water commences to expand through the side opening of the generator on to the mercury in the bottom. As the heat increases the expansion becomes greater, and the mercury is then pushed up the central tube in the generator, which is so constructed that the maximum pressure allowed on the system is ten pounds in addition to the pressure asserted by the weight of water and by the height of the expansion tank above the boiler. If the pressure, through heavy firing, is raised to a point just above the ten pounds that the heat generator is set for the mercury simply flows over the top of the tube and the operation is again started, as before described. By this, you will see that it is absolutely impossible to exceed the pressure that the column of mercury is set for—ten pounds. One advantage claimed in using a heat generator is, provided the boiler is large enough, that you can run the temperature of the water in very severe weather up to about 240 degrees.

If you will send me a rough sketch of your heating plant, showing me the location of the expansion tank, I will endeavor to help you in the matter of details as to just how to connect the mercury heat generator to your system.



Boddington's Gigsntic Cyclsmen

Boddington's Gigantic Cyclamen

The seed of Cyclamen is often sown too early in the year; from August to the end of September is the best time. The seedlings should be grown on to the flowering stage without any check whatever. When grown cool, the results are most satisfactory. Boddington's Gigantic Cyclamen are unequaled for size and quality of bloom. A magnificent strain of Cyclamen with flowers of extraordinary size and substance.

Gigantic White Butterfly. Pure white; immense flowers.

Gigantic Snowflake. The largest of all white Cyclamen.

Gigantic Cherry-Red. Most brilliant and effective.

Gigantic Rose. Immense flowers of a pleasing shade of light rose.

Gigantic Pink. Exquisite shade of soft pink.

Gigantic Crimson. Most striking color; under artificial light appears to be almost luminous.

Gigantic Crimson and White. A magnificent flower of the largest type.

Gigantic Syringa Blue (new). A charming color.

Gigantic Lilac. A very pleasing color, lighting up well at night.

Any of tthe above varieties, trade pkt. 50 cts., 100 seeds $1.00, 1,000 $8.00.

Collection of the above nine selected varieties, one pkt. of each, for $4.00.

Gigantic Mixed. A mixture of all the above varieties in proper proportion. Trade pkt. 50 cts., 100 seeds 85 cts., 1,000 seeds $7.50.

PRINCESS MAY. A very pretty type of Cyclamen. Color pink, with suffused blotches of crimson at base of petals. Trade pkt. 50 cts., 100 seeds $1.00.

SALMON QUEEN. Undoubtedly one of the most distinct and beautiful salmon colors found in Cyclamen. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum Salmonlum Splendens. The finest salmon-pink variety. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Rococo, Mixed Colors. The beautifully fringed flowers measure 5 inches in diameter. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Bush Hill Pioneer. A beautiful new feathered Cyclamen in various colors. Trade pkt. 50 cts., 100 seeds $1.00.

Six Grand Novelty Cyclamen

Peach Blossom. An exceptionally handsome variety of an intense rose color. Trade pkt. 50 cts., per 100 seeds $1.75.

Purple King. The best of all crimson varieties and strikingly beautiful. Trade pkt. 50 cts., per 100 seeds $1.75.

Phoenix. Bright cherry-crimson flowers, freely produced. Trade pkt. 50 cts.

Rose of Marienthal. Soft shell pink; a very pretty variety. Trade pkt. 50 cts., per 100 seeds $1.25.

Salmon King. Rich color. One of the very best of this beautiful shade. Trade pkt. 50 cts., 100 seeds $1.50.

Vulcan. The rich crimson color is very striking and contrasts admirably with the pure white of Butterfly. Trade pkt. 50 cts.

Collection of the preceding 6 varieties of up-to-date Novelty Cyclamens for $2.50.

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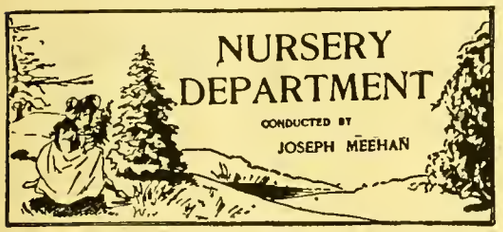

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

FORT WORTH, TEX.—The Falfurrias Nursery and Development Co. has filed an amendment to its charter, increasing its capital stock from $15,000 to $25,000.

Deutzia Lemoinei Rosea

Deutzia Lemoinei represents a new type of Deutzia, something in growth and flowers between the tall growing type represented by D. crenata and the dwarfer sort, D. gracilis; and to add to this, its period of flowering is between the two others, later than gracilis, but earlier than crenata. Florists say it has not superseded the gracilis in their business, the latter still being the best and the only one they use, unless it may be for the decorating of a large hall, where the D. crenata would answer. But as an ornamental shrub there is no question of its value, filling the gap which formerly existed between the blooming of the older sorts, and being, besides, a profuse bloomer and a handsome shrub.

To add to the general merits of the new one, as described, there is now one with a pink colored flower, and this one our picture represents. It is a great gain in this type of Deutzia. There are pink ones now in the latter—D. crenata—type, but not until now in the dwarfer growing type, which this one, D. Lemoinei rosea, represents.

Keep Down the Red Spider

The ravages of the red spiders are very great this season, judging from the injury many trees display. The dull white appearance of so many evergreens is caused by this insect. The different species of Piceas, particularly Norway and White Spruce, are favorite trees with this spider. The Hemlock Spruce is another one that often suffers.

For some years past complaints have been made of the ill doing of the Norway Spruce trees, many large trees dying out, and various causes have been suggested for it. While it is quite likely there have been other causes there is no doubt that red spider has had much to do with it, for if such trees are badly attacked much damage will be done in one season. The foliage becomes injured, reacting on the whole tree, and in two or three years the tree is practically dead. The Hemlock, when in cultivation, often suffers greatly from this pest. Apparently it cannot withstand the attacks as well the Norways. In one season the foliage becomes of an almost dead look, and if undisturbed its life is almost extinct in two years.

Fortunately, the saving of the trees can be accomplished by spraying them with some of the oily compounds, which, covering the insects, quickly end their lives. Whale oil soap, of the strength of a pound to ten gallons of water, is efficacious when sprayed over them. Give one spraying in early Spring, another in late Autumn, and if all parts of the trees are reached there will be few or no enemies alive.

Wistaria Chinensis, Tree Form

It is not often one sees the Wistaria Chinensis in any other than the vine form, covering arbors or the sides of buildings; but occasionally they are met with set out on grounds to grow at will, and at times they are much admired in this shape. A short time since, the writer saw one that was a veritable weeping tree. It stood about 8 ft. high, with wide, drooping branches, a decidedly pretty object when in flower. It seems that this weeper had at one time a support of some kind—a stump of a tree, I believe—which had rotted away, but not until the Wistaria had formed a self-supporting stem, or trunk. Sometimes such specimens have covered Summer houses or similar objects, or old trees, these supports passing away in time, leaving them to their own resources. When tall and weeping, as the one described is, they form bowers, under which seats can be placed, making a shady retreat at all times in Summer, a most enjoyable position when the Wistaria is loaded with its flowers in Spring, as it always is.

Some of the earliest planted of these Wistarias in England are of great size, larger perhaps, than can be seen here, but they are not in everyone's garden, as they are getting to be here; and as for size, the great traveler Fortune mentioned one he saw in China, which at 3 ft. from the ground measured 7 ft. in circumference—a tree he called it, and one it must have been.

Drought Resisting Trees

A nurseryman's trade is now so much more extended than it used to be that he is asked to supply plants for positions and conditions he formerly never heard of. It used to be a trade embracing an area of about the extent of his own State; then it extended into other States, and now it is world-wide. A not unusual order nowadays is for drought resisting trees, for planting in countries where the rainfall is limited, or where the rain occurs at certain seasons only. For such an order a nurseryman would have to seek for trees that are naturally of a deep rooting nature. Many of these our average forests possess—the Hickory and Oaks are examples—but the best of all trees would be those native to a State where the conditions were the same as in the place for which they were required.

A tree naturally inclined to root deeply will not do it in wet ground. Evidently, one of the reasons why a tree roots deeply is to get to moisture, and if it can get this near the surface it does not send its roots deep. The common Red Maple, Acer rubrum, is an example of this. When it grows on high ground its roots may be found at a depth of several feet, but a tree growing in low, wet ground will have roots but a few inches under ground; even full grown trees will have them spread out in a lengthy mat, no more than a foot thick at any portion of it.

English gardeners know, too, how the trees and plants of that country are largely surface rooting, because of the continual light rains keeping the surface moist, making it unnecessary for the roots to penetrate deeply for moisture. When droughts of a few weeks occur there, plants suffer more than they would here, for the reason that the roots are largely, on the surface, on account of the dampness.

Best Time to Destroy Poison Vines

In "answers to correspondents" in one of our local papers, the information was given recently that the best time to chop down poison vines to kill them was in August, added to which it was said that farmers found that month the best one to chop down trees they did not wish to sprout afresh. While this information is not so bad as some often seen relating to the same subject, it is a little out. Where Spring opens in April, as it does in most all the middle States, June is a much better month than August for such work. The time to do it is when the blow will be the greatest to the vitality of the tree, and June is that time, and for the following reason—all Spring growth of foliage and shoots is made from sap already stored up in a vine or tree the previous season. This stored up sap is supposed to have exhausted itself when the leaves are fully expanded. The new leaves then take charge of the tree, perfecting sap to be used in swelling the girth of the trunk and limbs of whatever it may be, tree or vine, as well as storing in the roots their portion of this sap. The best time, then, to chop down a tree or vine is just as the old sap store is exhausted, and before the new leaves have started in their work of perfecting and storing more. This time may vary a little according to season and locality. In the vicinity of New York City it may be given as about the first of June. It may be that a few weeks later would answer as well; in fact, when records of the swelling of trunks of trees have been kept, it has been found that the increase in girth is not perceptible until some time in July. With no food at hand to support new growth, vegetation is at an end. By the time August is reached the new foliage of Spring must have done some work in perfecting sap, and this work would be shown in fresh growth from below the chopped down portion. Let the chopping down be when it will in Summer, a growth of some kind may follow, for who can tell the exact time when the stored up sap is exhausted! But, assuredly, there would be less sprouting from those cut down in June than from those cut at any other time.

Poison vines are hard to eradicate, because when chopped out there are often shoots prostrate on the ground that escape notice, and many even just below the soil; but persistence in cutting away every bit of foliage as soon as discerned must kill it out in the end.



Deutzia Lemoinei Rosea

Trees from California and Arizona would be expected to be drought resistant, because Summer gives them little water, rains occurring in Winter mainly; and then the foliage of such trees and shrubs is generally of a tougher nature than others.

As it is today, all the nurseryman can do is to furnish trees that are of a deep rooting nature, and in digging trees for such an order to preserve the tap roots as far as possible; the trees themselves should come from high land, preferably. One trouble to be expected with trees from arid places is lack of hardiness; but even in this case such trees will usually endure a rather lower temperature than they had experienced before.

Eucalyptus Trees

There is a growing demand for Eucalyptus trees in all places where they are hardy. In a general way it may be said to stand what cold occurs in southern and eastern Florida, and then a jump is made until portions of California and Arizona are reached, where, also, the tree stands such cold as is common. It does well in southern California, even better than was hoped for at first, and there are now plantations of it set out there for forestry purposes. These trees are evergreen, which is probably a reason why a little frost injures them, by destroying their foliage. If deciduous, with wood well hardened by dry Summers, a few degrees of frost might not hurt them. Even now some species are not hurt, while others are affected. That the timber of these trees is among the most useful of any that could be grown in the places named seems undisputed. It is hard and durable, and the trees rank with the fastest growing in the world. To give an idea of the rapidity of growth, a reader in Hawaii writes us that from seeds of one species, Eucalyptus viminalis, he had trees 40 ft. high in three years from seed. E. globulus has been known to exceed this. Trees of from 100 ft. to 150 ft. in height are common wherever the Eucalyptus is grown. The common Blue Gum, E. globulus, is esteemed as one of the fastest growing of all, but while its wood is of great value, other varieties are thought to excel it.

It is a pity the Eucalptus will not endure cold, enabling it to be planted in other southern States, it is such a useful tree. As a fact, there are a few species that grow near the snow line of the Australian mountains, but these are of the nature of all trees in such situations, dwarf and scrubby growers, of no use for foresty purpose.

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My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

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Picea excelsa, 4-5 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	25.00
18-24 in.	2.50	15.00
	Each.	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
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Publications Received

HOW TO USE COLDFRAMES AND HOTBEDS. By W. F. Massey. Issued by the Sunlight Double Glass Sash Co., 929 East Broadway, Louisville, Ky. Price, 4c. in stamps.

Prof. Massey is an authority on all matters pertaining to hotbeds and this small but very meaty pamphlet from his pen is sure to be welcomed by both professional and amateur growers. Chapter I treats of "Construction of Beds." In it are shown clearly and convincingly the great advantage of the double glass sash system in hotbeds and coldframes. "Fire-heated Hotbeds," "A Cold Pit with Sunlight Sash," and "A Fireless Greenhouse" are all considered in this chapter, which is illustrated. Chapter II, "Plant Cultivation Under Double Glass," takes up Winter vegetables and Winter flowers under double glass, not only in the South, but in the North and in the western prairie region. Chapter III gives "Definite Directions for a Dozen Uses for Sunlight Sash." These directions cover the growing under double glass of nearly all garden vegetables.

The directions throughout the little pamphlet are concise and clear, and whoever, either professional or amateur, begins the perusal of "How to Use Coldframes and Hotbeds" will not lay it aside until he has read it through, and then he will keep it for future reference.

Catalogs Received

WEEBER & DON, 114 Chambers st., New York.—Catalog of Bulbs, Roots and Seeds, Autumn, 1910, 32 pages, and cover. Descriptive of Bulbs for early Forcing, Garden Bulbs of all kinds, Forcing Lilies, Hardy Lilies, Miscellaneous Bulbs, Peony Roots, Choice Vegetable Seeds, Flower Seeds, Grass Seeds, Horticultural Tools and Requisites, Mushroom Spawn, and Insecticides. Illustrated.

OSTERMAN & SONS, nr. Hamburg, Germany; H. G. Osterman, manager, 29 Broadway, New York.—Wholesale Trade List of Forest and Ornamental Trees. Illustrated.

JACS. SMITS & CO., Naarden, Holland.—Wholesale Catalog, American edition, of Rhododendrons, Azaleas, Roses, Trees and Shrubs, Conifers, Evergreens, Bulbs, Herbaceous Plants, etc. Illustrated.

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7-in. tub or pot	6 to 7	36 to 38	3 00		
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IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(50) **A Case of Apparent Poisoning.**—I wish to know what drug (?) causes a sudden vomiting, with a following death-like sleep for four hours or more? I myself have been drugged once with such a poison, and two months ago a florist working in a greenhouse claims to have had a sudden vomiting and four hours unconsciousness similar to my case?—F. B., Md.

—It is presumed that by "drug" the inquirer means some greenhouse plant the mere handling of which and not the eating of which would cause nausea and subsequent deep sleep or unconsciousness for several hours. It has been stated that ont of 100,000 or more flowering plants, 10,000 are more or less poisonous when handled or eaten, and that about 50 of these when eaten have a deadly effect. It is a singular, but generally understood fact that all plants having green flowers are poisonous, either in their leaves, stems, seeds or roots. The Primula obconica when handled produces a mild external poison in the case of some persons, but we are unaware of its producing the violent effect mentioned by the inquirer. The leaves and flowers of the Oleander are a deadly poison when eaten. Perhaps the inquirer's sickness was not attributable to any plant, but to other causes.

(51) **To Destroy Sow Bugs**—Will you please give me a remedy which will destroy (what are commonly called) sow bugs, for they are very bothersome on the benches and greenhouses.—F. O. Z., Ohio.

—Mix one part of Paris green and eight parts of granulated or brown sugar. Strew this mixture at night on the greenhouse benches, along the edges and among the plants. The next morning great numbers of the wood lice, sometimes called sow bugs, will be found dead. Repeat as often as necessary.

(52) **Plant for a Name.**—H. P., Chatham, N. Y.

—The plant submitted for a name is Anthericum vittatum variegatum.—Short shoots are found on the flower stems which, put in as cuttings in the ordinary way, root rapidly. It is also propagated by seeds and divisions of the roots.

Detroit

The last week of August was somewhat quieter than previous weeks, but when the August balance is struck most everyone of us will find this month much superior to corresponding months of other years.

While the beginning of the season was very bare of good Asters, we have had of late some elegant large and long-stemmed flowers which, although in large supply, sold very readily at $3 to $4 per 100. All the other flowers are of the usual Summer quality, with a small but good quality supply of American Beauty, La Detroit and Kaiserin Roses.

Club Meeting

Chas. Plumb has returned from Europe, but not in time to attend the Detroit Florist Club's meeting, which was held on the lawn of Breitmeyer's place at Mack ave. Mr. Knope, in charge of the place, erected a tent on the lawn and decorated the same very artistically. More than half the members of the Club were present. This was also the night of installation of the newly elected officers, and Mayor Breitmeyer, the first president and chief maker of the Club, made the installations. The occasion caused Mr. Breitmeyer to become reminiscent and brought back to his mind the beginning of the firm of John Breitmeyer's Sons, now well known throughout the length and breadth of this country, and which, some 34 years ago, employed itself chiefly in the raising of vegetables. All the Breitmeyer boys were born on the site where the meeting was held, and it certainly speaks well for them that they have reached from such a beginning the front rank of the horticultural profession as it is today. With their individual rise must be coupled the advance of floriculture in this city. Both are so closely connected that, whichever way we look at it, we all must rejoice and realize the benefits their undaunted leadership has brought to all of us. Mayor Breitmeyer, who had just returned from a two weeks' auto trip through the New England States, was filled with enthusiasm over the great development of horticulture down East, especially in Massachusetts, and expressed himself as more than ever satisfied that many an opening exists here, presenting a large field for development, which we actually have not yet touched. Mr. Brown, the newly installed president started out with a good, vigorous and sensible appeal for work, and earnest work, by the individual. He made it clear that individual efforts in behalf of the Club alone bring about the success we are entitled to. While our Club only consists of 96 members, an average attendance of one-fourth is not sufficient. This being a regular red letter night, all the present past presidents gave their experiences as to the best methods for a still more active attendance. The decision to move to the more cosy and congenial rooms of the Cathedral Club, at 112 Farmer st., is considered a star move towards accomplishing the desired activity. But while all these discussions were going on, all our eyes were feasting on a beautiful vase of White 'Mums, of the type of Golden Glow, but much more perfect and fuller in the center. Elmer D. Smith of Adrian, the Chrysanthemum wizard, who brought it along, explained this variety to be a new seedling with much better habits than Golden Glow. The name of this new variety is Smith's Advance; the first buds can be taken from March cuttings on June 6, and it will bloom then about July 25.

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FERNS, Boston, 5-in., 25c. each.

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	Per 100
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ASPARAGUS Sprengeri, 2 in., strong	2.00
CYPERUS Alternifolius, Umbrella Plant, 3 in.	3.00

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GERANIUMS, Nutt, Poitevine, Doyle and others, 2-in. pots, $2.00 per 100.

Cash with order.

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Society of American Florists

Convention Echoes

During a discussion on the premium list for the National Flower Show, part of the proceedings of the American Rose Society at its meeting at Rochester, comment was freely made upon the fact that there was no specific organization covering the flowering, foliage and decorative plant section of the trade. The appropriations made by the National Flower Show Committee to the use of the different sectional societies have been quite liberal and have acted incentively toward extensions of the general premium list. Additional premiums in the plant section will, therefore, have to come from individuals sufficiently enthusiastic in this particular section in the trade to contribute toward its proper representation at the Show.

The feature of opening the trade exhibition to the public this year proved again that the public can be interested in the one hundred and one things pertaining to the trade. It is understood that considerably over 2000 paid admissions were recorded at the doors. The concerts by the 54th Regiment Band, under the able direction of Prof. Zeitler added not a little to the pleasures of the exhibition, and alone were worth the price of admission. This band, by the way, is a musical organization of which S. A. F. Vice-president Vick is the president. Mr. Vick is a soloist of some repute, his favorite instrument being, perhaps, the saxhorn.

The accidental omission of the name of the late William K. Harris of Philadelphia in the necrologic section of the secretary's report was promptly noted during the reading by John Westcott, and the necessary amendment made.

Few only of the visitors to the convention availed themselves of the kind invitation extended by Mrs. Thompson to visit her beautiful estate, "Sonnenberg" at Canandaigua, about 28 miles east of Rochester. Those who went were courteously received by R. E. Ballantyne, who has charge of the place, and conducted over the place, which is renowned for its many horticultural and other attractions, and possibly not exceeded in this country as an example of what expenditure of money and horticultural skill will accomplish. The fruit and plant houses were very interesting, the Grape house particularly so with its wealth of bunches of fruit. The bedding, borders and lawns were in splendid condition, and showed practically no effects of drought. The Japanese garden was a delight. This garden was laid out and furnished with a total disregard of the item of expense. A corps of workmen from Japan executed the work, each man evidently an artist. Walks of different materials, fountains, cascades, ponds, and an array of Japanese garden furniture, which included besides various stone lanterns, an immense idol, Buddha, impressed one with the genuineness of the scene. A beautiful rock garden has recently been established, and contains a collection of alpines and other plants; where the new plantings are small, and openings exist, showy masses of annuals are used, and the effect is pleasing indeed. The Italian garden is very handsome, with less of the stiffness so generally seen in such formations. The Rose garden and the perennial garden were very pleasing considering the time of year. One could linger long in the vegetable and small fruit garden; such Gooseberry bushes as are to be seen here are rarely if ever seen elsewhere. Mr. Ballantyne says he has no difficulty in getting good crops of large fruit from the best English varieties, berries of sizes running ten or twelve to the pound, and never seen in the fruit markets. The immense aviary contains probably the finest collection of birds in the country, and the building was as clean and free from disagreeable odor as a hospital. There are from 50 to 75 men constantly employed on the place, the number at certain times of year running as high as 200.

Report of the Louisana State Vice-President

The nursery and florist business has been increasing more and more every year. Even the financial crisis of a few years ago had no effect on the progress and prosperity of the city of New Orleans, and I believe the business of 1910 will be a record breaker. The increased demand is due to the many visitors, many large conventions and the wonderful development of large suburban tracts, owing to the millions of dollars spent by the city for drainage and sewerage, thus opening up many sections which a few years ago were swamps. It is surprising to see how fast these suburban lots are sold and built upon with bungalows and some of the latest and most uptodate residences, embellished by terraces, trees, Palms, shrubbery, Roses, etc.; the city is spreading from the river to the lake, about six miles wide, and from Kenner to Chalmette on the river front, or 25 miles long. Our three lake resorts are contemplating large improvements at West End, Spanish Fort and Milneburg, all within six to eight miles from the center of the city. There will be built a sea wall aloug the lake front, and more trees, Palms, shrubs, etc., will be planted. The railroad company will also build an extension of its track along the lake front to Spanish Fort, and expects to run its electric trains by next Summer.

The artistic appearance of our stores recently was never excelled, in the elaborate displays of choice cut flowers, blooming plants, etc. Several years ago it was considered extravagant and a waste to make such displays; but it can easily be seen from this that there must be an increase in the demand for flowers.

The growing of cut flowers under glass is an industry which has come to stay, and is no more an experiment. While our Winters are not severe, still we have to be prepared for any and all emergencies, especially in the direction of heating, as the weather changes very suddenly at times. It is a well-known fact that plants grow very quickly here; and flowers during the Winter season are of a better color, more fragrant, and have longer stems than imported stock, consequently are preferred by customers on account of their freshness and odor. Carnations have not been given a fair trial; on account of their cheapness nobody seems to care to trouble with them, but I believe if given the right trial they, and many other plants not now grown, can be grown in this climate, providing the same attention is given them as elsewhere. Cut flowers of the highest grade are now much more in demand than formerly; nothing is too good and the price is no object provided the quality is there. Especially is this the case around the holidays, and it shows that good stock, good work and good service always finds appreciative and profitable recognition. American Beauty Roses head the list so far as prices are concerned. Orchids come next, then the Tea Roses, Valley and so on. Cape Jasmines have been in better demand this year than for several years. Our busy season begins the last of October with the Queens of Autumn, and lasts until the end of June.

The demand for porch and window boxes, hanging baskets, vases, Box and Bay trees, is increasing yearly. Well grown blooming plants are also in better demand than before.

Since the organization of our "Tree Society" last year, which has full control of all trees and shrubs on our boulevards, avenues and sidewalks, a proper system has been established for the regular planting and taking care of them. There has been established a nursery, where are set out thousands of seedling trees and shrubs, to be planted out later on the city streets. Our parks, especially City and Audubon Parks, are growing more beautiful every year, and now rank among the finest of their kind. Our playgrounds, public squares, boulevards, avenues and streets are growing more beautiful every year. Our Country Club, golf links and the cemeteries are all falling in line with the idea of "the city beautiful."

Considerable greenhouse building has been done during the last few years, the buildings of the improved styles, modern material, large size glass, cement walls, and the best quality Cypress bars, thus securing more light and growing better stock. The truck gardeners are also building large improved houses, mostly devoted to Cucumber forcing, the products of which are shipped to northern markets. Cucumbers were formerly grown in hotbeds, now one of the largest ranges of glass around New Orleans is composed of Cucumber houses.

I take pleasure on behalf of the Mayor of New Orleans, the Progressive Union and the New Orleans Horticultural Society, to extend to you a most cordial invitation to hold your convention in our Winter and Summer capitol and convention city of the South in 1915, when we expect to have the great Panama Exposition. This may seem a little premature, but I want to give you ample time for consideration. You all may think you will find a hot South in August, but instead, you will find one of the coolest and healthiest cities in the United States, fanned by the breezes of Lake Pontchartrain and the Mississippi River. HARRY PAPWORTH.

Solid Beds for Carnations

Some months ago the EXCHANGE, in its Washington news items, told of the wonderful success of the solid beds for Carnation growing, as exemplified by the U. S. Bureau of Plant Industry, Department of Agriculture. It was further explained that each solid bed was retained by about 18 in. of concrete, 4 in. thick, and that under the growing soil was a depth of 12 in. of drainage material, principally cinders.

In the commercial field a large number of growers are opposed to solid beds, upon the ground that the maximum cut is not obtainable in Midwinter, when most needed, but, for the past two years, these solid beds have disproved such theories and yielded their crops proportionately throughout the entire Carnation season; and, as a further proof, but one raised bench and two side benches remain in the Bureau's entire Carnation range, and these are principally for comparison.

During the Winter of 1907-8, the experiment of carrying the old plants over to the next season of flowering was begun, and gave encouragement, but the space they occupied was needed, and for some good reason it became necessary to abandon the attempt that season. Last May, when the old plants were thrown out preparatory to planting the young stock, one entire solid bed of the old stock plants, which had flowered all Winter, was reserved, the stock being the Enchantress family. Upon this bed water was gradually withheld, resting the plants until the latter part of May, when they were cut back sharply and all signs of bacteria picked off. Sprayings of Bordeaux mixture then were commenced, to which the plants responded well.

In June the old plants were again started into growth very slowly. The old soil between the rows was removed for a depth of about two inches, and down to the crown of the plant, being replaced with fresh soil prepared in about the proportions for regular use. A most vigorous and healthy growth quickly followed. At this time (Aug. 29) the flower stems which have made and set bud are being cut back, and from 17 to 30 shoots adorn each plant, while throughout the entire bed there is good symmetry and a promise that the procedure may revolutionize commercial Carnation growing, as with the Rose.

The preservation of old stock is an unusual custom locally, and the growers would do well to watch this most interesting experiment, upon which more will be written as the crop advances. JAS. L. CARBERY.

Association of Hammonton Dahlia Growers

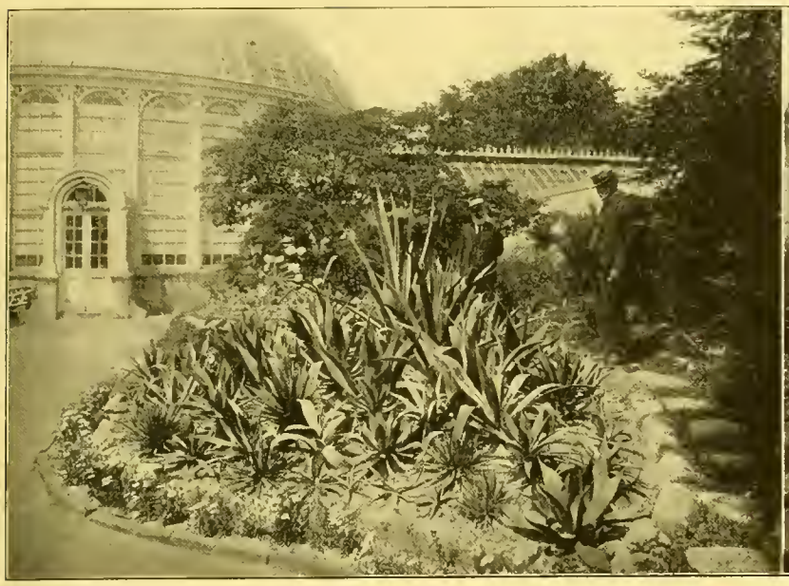
The Association of Hammonton Dahlia Growers was organized, on Monday evening, Aug. 29, at Hammonton, N. J., and the following officers elected: Wm. F. Bassett, president; C. A. Wood, vice-president; Edw. H. White, secretary.

The commercial growers of Hammonton, realizing that the best Dahlia blooms in the Philadelphia market were grown in Hammonton and vicinity, decided to organize for the purpose of further advertising Hammonton grown Dahlias, securing better transportation facilities, improved methods of cultivation, etc. They have adopted a uniform copyrighted label, which will be attached to all shipments, with the idea of impressiug upon the buyer the fact that he is getting superior flowers when he buys Dahlias with the Hammonton label.



Everett C. Lufkin

Everett C. Lufkin, for twenty years a florist on Lexington st., Lynn, Mass., died suddenly at his home on Monday, Aug. 22, of acute heart disease. The deceased was born in Lynn 64 years ago, and had always resided there. He is survived by a widow, a son and a stepdaughter, as well as two brothers.





No. 1 **Views at the U. S. Botanic Gardens, Washington, D. C.**—*See text* No. 2

At the U. S. Botanic Gardens, Washington, D. C.

The accompanying photographs taken recently at the U. S. Botanic Gardens, Washington, D. C., by a mutual friend, L. V. Hallock of the Department of Agriculture, show a multitude of interesting and useful plants, each correctly named, by the superintendent, W. R. Smith and his assistant John Clark; these, by the way, are the same young men whom Mr. Carbery mentioned in your issue of May 21, as having run a race at Boxhill, England, to find a specimen of Ophioglossum vulgatum, and today apparently none the worse for the half century of years that have passed since that day.

Among the most conspicuous subjects in illustration No. 1, will be seen thirty distinct forms of Agave; to the right a fine specimen Acer polymorphum dissectum, one of the Japan Maples. Back of where Mr. Smith is standing can be seen a shrub of Cytissus scoparius, the Scotch Broom; this plant came originally from Skibo Castle, Scotland, the home of Andrew Carnegie. Cultivators should know this is a good hillside plant; it flourishes in Virginia at the home of Jefferson, and on the railroad banks at Annapolis, Md. In the background is Acer palmatum macrophyllum, another Japan Maple, and Garfield's Masonic Memorial Acacia, Acacia Julibrissin.

In illustration No. 2 are seen thirty more forms of Agave and, close to the greenhouse, Cytissus Hispanica, the Spanish Broom. The prominent tree is the Albert Pike Masonic Acacia. At Mr. Smith's feet is a rare speciment of "Canis Caledoniensis," better known to dog fanciers, perhaps, than to gardeners.

Our illustration No. 3 shows the tastefully laid out garden in front of the superintendent's cottage in the Garden. Among the most prominent specimens showing will be noted Pandanus Sanderi, which is extra well colored and doing remarkably well; Pandanus Veitchii is to be seen also, and in front of the bay window is Cordyline (Dracæna) Doucettiana.

Overhanging the end of the house is Ulmus alata, the Wahoo or Winged Elm, a fine street tree for the South, impermeable to insect attack. This tree was taken up at Richmond, before the Civil War, and presented to the Gardens by Mr. Ruffin, who had the distinction of firing the first shot at Sumter; he was author of a book on calcareous manures, and was sane on all subjects but secession.

The last illustration (No. 4) is unique, containing as it does such a miscellaneous collection of succulents, comprising Cacti, Euphorbias, Echeverias, etc. As the apex of the bed is Echeveria sub-rigida, by Dr. Rose, a new importation from Mexico. The giant Euphorbia lactea standing in the middle of the bed, a native of India, is used in some places, notably the West Indies, for a hedge; armed as it is with long sharp spikes, it should make a formiable barrier against unauthorized prowlers. Here also can be seen the curious Euphorbia Tirucalli, a most striking plant, growing into a tree twenty feet high in its native haunts in East Africa and parts of India.

The tall Spruce on the right is Picea Abies Nordmanniana, which comes from the shores of the Black Sea, where it proved a great comfort to the frozen British army in sheltering them from the storms of the Crimea.

Next comes Planera acuminata, the Zelkova tree, a native of Japan, and behind it is Ulmus racemosa, the Cork or Rock Elm, a magnificent tree now forty feet high, with at least sixty feet more to grow before it reaches maturity; this is a native; and can be found all the way from the St. Lawrence to the Potomac.

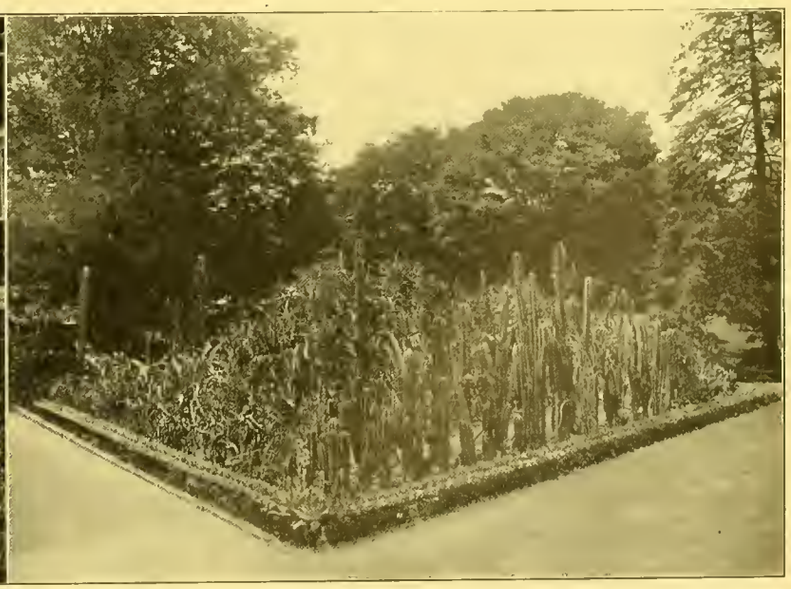
Spreading out on the left, and under which hundreds of Orchids spend their Summer vacation, is Planera Richardi, a handsome tree and a native of North America.

J. H. CAMERON.

NEW H. T. ROSE, FRAU KARL SCHMID.—This promising novelty is recommended for its splendid forcing qualities and the perfect shape of its flowers. The color is a shimmering light cream, which shades into cream yellow toward the center. Though very double, the flowers open freely, and have a delicious perfume. They generally grow singly on very strong, erect stems. The foliage is a bright green, leathery in texture, and not subject to any disease. The Rose has been greatly admired at recent exhibitions because of its coloring, which is considered to be unique among light Roses. It was originated by Karl Schmid of Köstritz, Germany, who will put it on the market this Fall.—*Moeller's.*

HORTICULTURAL APPRECIATION.—As evincing the interest taken in horticulture by the Londoners, the statement is made that on Monday, Aug. 1, Bank Holiday, the number of visitors to the Royal Botanic Gardens, Kew, was 129,000.





No. 3 **Views at the U. S. Botanic Garden, Washington, D. C.**—*See text* No. 4

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

The feature of the combined condensation gutter and ice clearing eave plate contained in the "Z"-Bar eaves appealed strongly to the grower, as it apparently filled a long felt want, the result being that a considerable demand was created for a dripless ice clearing eave plate. To meet this requirement, the manufacturers of the angle iron eave plate added a drip gutter, as shown in Fig. 68. This drawing shows the angle iron eave used in connection with a commercial iron frame house, but the same construction can also be used in connection with the

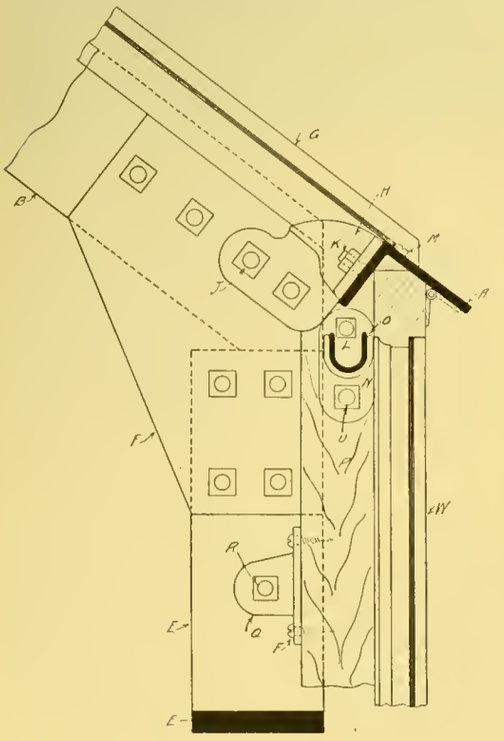


FIG 68

BURNHAM ANGLE IRON EAVES WITH DRIP GUTTER

"semi-iron" frame structure, the only absolute difference in the two structures as before stated being that the iron rafter, B, which extends from the top of the iron side post, E, to the ridge, is omitted in the case of the semi-iron framehouses, and the wood bar, G, is generally made heavier.

In the illustration shown, the eaves of the house are supported at the required height by the 3 in. x ½ in. flat iron posts, E; and while this is thoroughly satisfactory when used in connection with the iron rafter B, owing to the fact that this rafter tends to brace the post longitudinally, it is not so desirable in the strictly semi-iron frame structure, because it lacks the necessary longitudinal stability, that is, the stability lengthwise of the house. It is amply strong across the house, but in the other direction it has not the necessary strength, and this feature can only be obtained by the use of an angle iron, tee-iron, or pipe post, either of these having the same strength both longitudinally with the structure and across.

In the illustration, F, shows two wrought iron fish plates or brackets, placed one each side of the post and rafter to secure the two together. In the case of a semi-iron framehouse this bracket would be cut down to a size just sufficient to secure the lug of the bracket, H, which supports the angle iron eaves, the lug being secured to the bracket by bolts, J, and to the angle iron eaves, A, by means of countersunk bolts, K. At O is shown the improvement in the matter of the "U"-shaped drip gutter. This is so placed that the water of condensation from the inside leg of the angle eave plate drops into the "U," small pipes being connected to same at intervals to carry off the water from the space L. This "U" gutter is secured in place by means of brackets, N, which bolt to the wood piece P, secured to the iron post E by means of wood screws, F, passing through the bracket Q, which is fastened to the side post, E, by means of the bolt R.

It will be readily seen that this method of securing the "U" gutter is not at all in keeping with the character of the construction, as it depends upon the wood piece, P, for its permanent support, and this being so apparent, the manufacturers designed the additional improvement shown in Fig. 69, in which the angle gutter, O, is substituted for the "U" gutter, which is secured to the iron fish plate or bracket, F, by means of the bracket N bolted to same. In other respects this construction is the same as that shown in Fig. 68, and is a decided improvement, the wood piece, P, being omitted, thus allowing the drip gutter to extend continuously the full length of the house. At F is shown the small pipe carried down from the angle iron drip gutter at intervals, to carry off the water from same, a similar pipe being used in connection with the "U" gutter, although not shown in the drawing.

The improvement afforded by the addition of this gutter adds considerably to the desirability of the angle iron eave plate, the only weak point being in the fact that the small pipes, T, are very liable to become clogged with leaves or other foreign matter. Of course, it would hardly be likely that all the pipes would become clogged at the same time; therefore, where the gutter is run continuously the length of the house the pipes which remain clear would no doubt carry off the water before the drip would overflow. It is needless to add that the eave plate A, drip gutter O, and pipe T should be galvanized by the hot process; and in the case of the eave plate and drip gutter, these should be galvanized after the machine work has been completed, so as to leave no part of the iron exposed.

It will be noticed in connection with Fig. 69 that a wood sill, S, is used, and is secured to the iron post, E, by means of the iron bracket, U, bolted to same. In many semi-iron frame structures, as well as the commercial iron frame, the wood sill is being superseded by a cast, or wrought iron sill, especially where concrete sides are used. However, the different types of sill for this class of work will be considered later.

It will also be noticed in both Figs. 68 and 69 that the side sash, W, is hinged directly to the eave plate M, the butt being riveted to the eave plate. This is a considerable improvement over the old method of securing a heavy wood header to the eave plate so as to secure the side sash to same. As it not alone reduces the amount of shadow from the eaves but also makes it possible to keep the underside of the galvanized eave plate protected with aluminum, or some such covering, thus adding considerably to the life of the structure.

As before mentioned, the difficulties experienced by the filling up of the necessarily small pipes from the condensation gutter suggested the advisability of a non-freezing plate, that would be absolutely dripless without the intervention of such small drip pipes, the result being the designing of the construction shown in Fig. 70, which consists of an iron "T" bar, A, placed at the eaves of the house, in which small drip holes, R, are placed at intervals of 3 ft. to 4 ft., which convey directly outdoors all the water of condensation which collects in the gutter L, formed by the lower and inner part of the "T"; and as this portion of the "T" is exposed to the temperature of the house it is impossible for these holes to freeze. If some of the holes should become clogged up with leaves, or other substance, which is almost certain to occur, it is a very easy matter to clear them, either from the inside or outside of the house; but the clogging up of some of the holes does not interfere with the dripless feature of the plant, as the water, before overflowing, passes out through the remaining holes which are free.

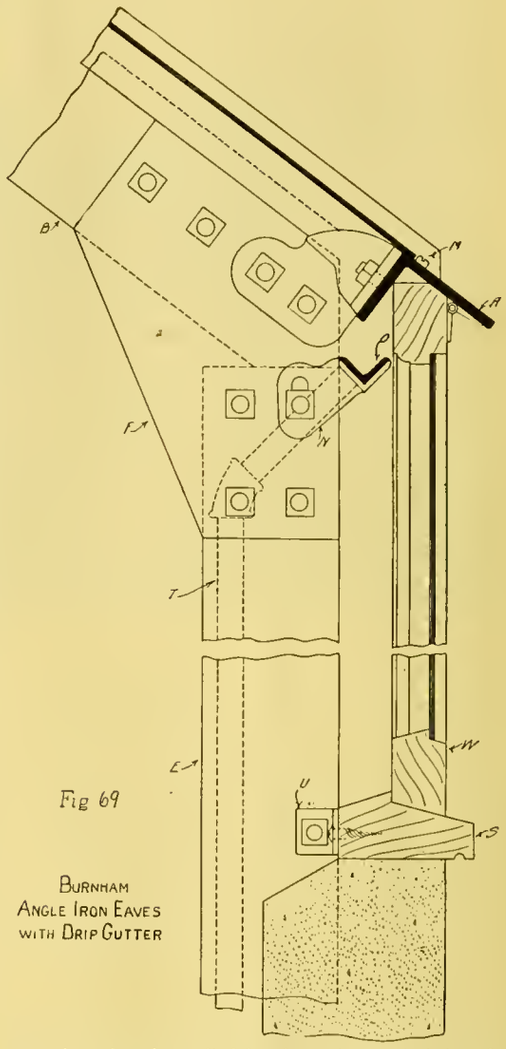


FIG 69

BURNHAM ANGLE IRON EAVES WITH DRIP GUTTER

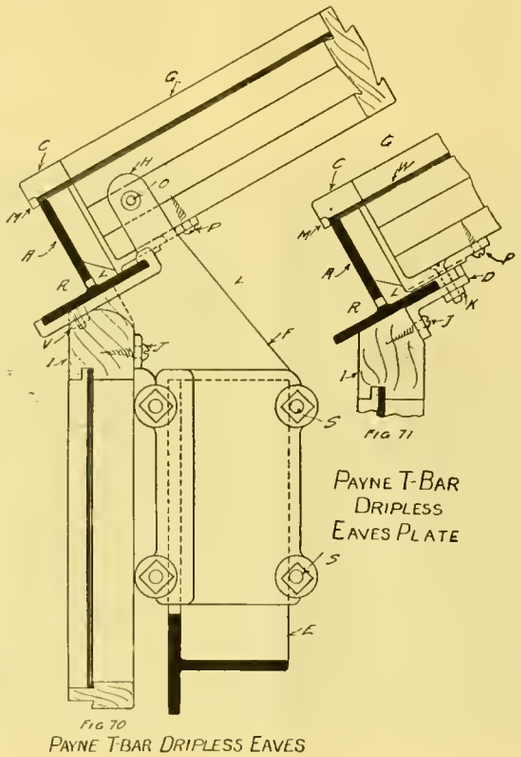


FIG 70

PAYNE T-BAR DRIPLESS EAVES

FIG 71

PAYNE T-BAR DRIPLESS EAVES PLATE

It will be seen that this "T"-bar eave plate is supported by the 2 in. x 2½ in. x ¼ in. "T"-side posts, E, being secured to same by means of the double clamp brackets, F, which are held in place by the four bolts, S. The edges of these bolts being placed close to the "T"-iron admits of their being screwed up as tight as the strength of the threads will permit without any danger of breaking the bracket. The "T"-bar eave is secured to this bracket, by means of the bolt F, on the outside, and by the hook formation of the bracket on the inside.

Fig. 71 shows the means of attaching the roof bars, G, to the "T"-bar eave plate between the posts, by means of a malleable iron bracket, C, which is secured to the "T"-bar eave plate by the malleable iron clip, D, and bolt, K, the overhang of the bracket at M securing the top of same in position, and when the bolt K is tightened it forms a secure and permanent connection to the "T"-bar eaves. This arrangement permits of moving this sash bar bracket to accommodate any width of glass.

The roof bar G, which is cut off square at the end, is secured to this bracket by means of screws, P. The overhang of the bracket at M is provided with small projections on each side, which form a stop for the glass, W, as shown. In a case where solid glazing is used at the sides, the glazing header, I, is secured by means of the screws J, at every roof bar, and as will be seen in Fig. 70, where the post occurs it is impossible to use the clip D, therefore the bracket F, which secures the "T"-bar eaves to the post, is furnished with projecting lugs, H, on each side of the roof bar G, and the bolt, O, passing directly through these lugs and roof bar, G, when tightened firmly secures the bracket, C, in place. If it is desired to use ventilating sash, instead of solid glazing, at the side of

the house, the sash may be hinged directly to the "T"-bar eave plate, the same as shown in Fig. 68 and 69, in connection with the angle iron eaves.

It will be seen by referring to Fig. 71 that the wood roof bar, G, in this construction is left open as far as possible, for painting, and the circulation of air, which is a desirable feature; and is also raised up so that it is impossible for it to be affected by the condensation which gathers in the gutter L. Growers who have used this plate during the Winter state that the results obtained have been very satisfactory, and that it has proved itself to be a non-freezing dripless plate. Another feature which is desirable is the fact that the method of clamping the bracket F to the side post E admits of vertical adjustment; that is if the "T"-post should happen to be set in the concrete ¼ in. to ¾ in. too low, it is possible to slide the bracket F up the post this amount, and thereby save considerable trouble in securing the alignment of the eave plate.

Sixty Years of Retrospect

With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(Continued from page 337)

Among other things imported from Japan at that time were some Grape vines—of no merit; but at that time the proprietor got a craze for hybridizing different kinds of fruit, including Grapes, Peaches, Pears and Plums. We got some very good Peaches, but nothing of sufficient merit over the kinds then in cultivation to make them of any service. We also raised a lot of Grapes from hybridized seed, and fruited them in pots; one season we had one house filled with them. One of the seedlings was being planted in houses of mixed Grapes, and it had some merits over others of the same strain. The only Grape that would have been worth money at that time would have been a white Grape, with all the merits of the Black Hamburg, and that could have been forced with that variety and have been ready for cutting with the first house of it, as there was nothing at that time that could fill the bill. Sweetwater and Muscadines looked cheap in comparison with Black Hamburgs, and Muscats could not be ripened in time for the London season. I do not know if there is such a Grape in cultivation in England now or not, as I have been so long out of the business.

I think hybridizing fruit, to raise something of sufficient merit over the varieties now in cultivation in England, either for glass or open ground, will require lots of room, time, money, skill and patience as they are likely to get so much "chaff" for so little "corn" that efforts will give way even if the money holds out.

The second season we were able to exhibit fruit on a small scale at all the London shows, which gave me a good chance to see all new varieties and anything of merit that was exhibited. It was one of the ambitions of about all the young beginners to see a London fruit and flower show; there was a certain fascination about these shows, even after attending them all, year after year. When, in time, one became acquainted with exhibitors from all parts of the country, it was quite amusing and easy to pick out the youngster on his first visit, who was to be found waiting outside, any time between four and seven in the morning, on the slight chance of being recognized by some exhibitor or assistant who would take him in tow to carry in a box or plant, or anything that would admit him at that time, and who would most likely give him a regulation breakfast ticket after the morning rush was over. It was usually a busy time to get everything in place and be out of the way before the judges came in.

We grew and fruited a great number of Grapes in pots, using about a 12-in. pot for a two-year plant which would carry about six bunches, and used the plants, as soon as the fruit was cut, for planting in the new houses as fast as they were ready. We exhibited pot vines at nearly all the London shows, especially new varieties; they were about the most difficult of anything to pack and carry without damage to the bunches; it was almost impossible to get them to the show without some damage to the bunches. As no one else was exhibiting pot vines they always attracted a great deal of attention when staged.

At the same time we were exhibiting the new Japanese plants as fast as they could be got into shape to attract attention, and orders would be taken for them to be delivered as soon as a variety was ready to be sent out. A few varieties of Clematis were shown in bloom within two years after the plants first arrived in England. The first bulbs of Lilium auratum flowered the following season, and were exhibited and sold at a big price. Several distinct Aucubas came with the first consignment, both male and female; one variety of Aucuba had been in England for many years but had never fruited. We took some large clumps of it from the open ground and got some male plants in bloom at the same time. We fertilized the old plants, and got fine crops of fruit on them, which were very attractive, and the plants sold very freely at a good price, as specimen plants.

At that time anyone in charge of an exhibit of new things would have enough to do to answer questions and give explanations; the greater the novelty the greater number of future buyers would want attention.

Among the later consignments of plants were several varieties of Chrysanthemums, most of them single and semi-double. There was no great beauty in any of them, but they were curious, some of them with just one tier of petals three or four inches long. They were of long, straggling habit and not thought of much account, although I have no doubt but what they have been the parents of some of the fine varieties now in cultivation, and which through skill and proper hybridizing have brought the Chrysanthemum to the present state of perfection. Many of the plants then imported have not been so much of a success in this country as in England; for example, the beautiful varieties of Acers—dwarf Maples—which make such a grand show in England, but are not quite hardy enough for this climate, as many of them suffer in Winter and the foliage cannot stand the dry, hot Summer; there are only a few favored places where they can be planted with any chance of success.



Standard Fuchsia, "The Doctor"
Rose corolla, pink sepals.
Grown and photographed by T. A. Weston.

Fuchsias Again Favored

Fuchsias are apparently working their way into favor again, and the markets are now well supplied with beautifully flowered plants.

A deep red and purple, Scarcity, is a popular market sort, owing to its freedom. The standard form is very commonly seen in gardens during the Summer.

T. A. W., Eng.

The New York State Fair Grounds, Syracuse

It is about seventeen years since the State of New York acquired the present site for its Fair Grounds, and it has proved very costly, from the fact that the ground lies low and is swampy; in fact, less than ten centuries ago the waters of Onondaga Lake flowed over it. Thousands upon thousands of car loads of loam and ashes have been used to grade it, and the end is not in sight yet.

To make such a place a beauty spot has been a very hard proposition, but year by year great improvements have been made, until now the grounds are most artistically laid out and cared for all through the Summer. This year over eighty thousand plants have been used.

The grounds between the magnificent new Dairy Building and the Mechanics and Arts Building have been greatly beautified. As one enters the main gate, the first thing to catch the eye is a large panel, 18 by 14 ft., with the words "Welcome to our President." It is made of various colored Alternanthera, edged with Echeveria, and is a fine piece of work. Another piece of floral work is a spinning wheel, 7 ft. in diameter, with reel and stool complete, made of Alternanthera planted in moss. A large star containing 12,000 S. A. Nutt and Mme. Salleroi Geraniums is a grand sight. A Japanese fan is a very dainty piece of work, as also is a large Maltese cross, with four small crosses. Another bed representing a bit and horseshoe is very pretty. Several large beds filled with Cannas, Caladiums and Coleus are well kept, and very attractive. A large bed of Verbenas, of a good strain, was a welcome sight to me, for I still have a soft spot for those good, old but neglected favorites.

The most striking thing of all is an old-fashioned well house, 9 ft. high, 8 ft. long, 6 ft. wide, made entirely of Alternantheras planted in four inches of soil; these have been growing since June and have completely covered the building. Some 12,000 plants were used. To many of our rural visitors this will be one of the great attractions of the Fair.

Three years ago Gov. Hughes appointed A. E. Perrin of Buffalo to be commissioner of grounds and buildings, and he has proved a most capable and energetic man. The State, in the case of these grounds, receives full value for the money expended, which is more than can be said of some State departments. Louis Klyne is the head gardener; he is a young man of great promise, is very energetic, takes great pride in his work, and the grounds are a great credit to him. The State Fair will be held September 12-17.

Syracuse is worth visiting that week, as each evening the streets and stores are to be brilliantly lighted and there will be a big parade. The children's parade, in which 8000 take part, is, to my mind, the best of all.

H. Y.

Wiesbaden, Germany

After a fairly pleasant ocean trip I returned to this delightful city near the Rhine. One of my favorite strolls is to the floral and nursery establishment of Weber & Co. This morning I made my first visit since my return from America. The place looked as fine as can be expected after the long spell of rainy weather they have had in this section this year. The Summer has been far from pleasant, low temperature accompanying much rain. Not one day was really fair. On 28 days of the month it was raining, against the normal 18. No wonder that all the gardeners here have their hands full fighting the weeds, which "grow faster than one can pull 'em up," as an old hand put it, who has been employed in this establishment steadily for the last 38 years, "not losing a single day," as he added proudly. Upon my question whether the firm pays good wages, his reply was: "Well, one can't get rich on it, but it's sufficient and we are well treated and are satisfied."

The firm employs, all the year around, over a hundred men; at this writing 135 are on the payroll. Their gardens and nursery comprise about 150 acres (all their own property), all under high cultivation and located in the immediate neighborhood south of the city proper. On the 60-acre plot, which joins directly on the tennis ground of the "Kurpark," being separated only by Park st., the offices, greenhouses, cold storage, stables, etc., also the substantial dwelling of the proprietors, are located. The retail store of the establishment is located on Wilhelm strasse, the "Broadway" of Wiesbaden, about a 15 minutes walk.

Weber & Co. is one of the leading firms in this vicinity and their business is well conducted in all its details. Several of their men have been in their employ for over forty years; only last week the 40th anniversary of one, an ordinary nursery hand, was celebrated, a luncheon was spread in the evening and the firm presented him with a gold watch, bearing an appropriate inscription.

Located on high ground, facing west, with a beautiful view of the Taunus Mountains and the housetops and church steeples of the near-by city, the place is most favorably situated to attract the attention of visitors. Here also are the small model gardens of the firm; each of these is characteristic in plan and style, with a flora and decoration to correspond. These sample gardens are suggestive; they show the visitor how certain flowers and plants may be used to best advantage and are great sales agents.

Everything here is plainly and correctly labeled, even the rocks used for landscape effects; everything is for sale. You can buy a bunch of Roses or other flowers, a potted plant or a tree, a plate of Strawberries picked under your eyes and served to you in a cozy corner of the conservatory or in an open-air arbor, or Gooseberries, Plums, Pears, etc., picked direct from the variously shaped fruit trellises you admire, nicely put up for you to take in person or delivered at your house; or you may leave your order for laying out or remodeling the grounds of your estate.

It is but natural that this establishment should be much visited by the many well-to-do strangers who come here from all parts of the world to regain health through the famous hot springs, or to pass some weeks or months in a pleasant climate and amid charming surroundings. I have seen some mighty fine orders placed here!

HUGO MULERTT.

Making Concrete

On account of its cheapness, uniformity, and quick development of strength, the only cement practically used at present is the kind called "Portland." There are almost as many brands of Portland cement as there are of wheat flour. For florists' work choose some brand guaranteed by the local dealer to meet the standard specifications of the American Society for Testing Materials.

Cement takes water so easily that care must be exercised in storing it. Upon the regular floor of a good building place some timbers close together, as a support for a false floor, upon which the cement should be piled.

Cement is heavy; do not overload the floor of the building by piling it too high, and do not store it against the side walls. Keep it covered with canvas or roofing paper. Cement once wet sets up and is unfit for use. However, lumps due to pressure in the store house must not be mistaken for set-up cement. Such lumps are easily crumbled and may then be used.

Concrete is a mixture of Portland cement and particles of stone. The stone should vary in size from pieces one inch in diameter to sand grains. By so grading the stone, the smaller particles fit in the spaces between the larger pieces, thereby producing the most compact and the strongest mixture.

Where crushed rock is available, or can be prepared it is excellent material for concrete. The best stone for crushed rock is one which is clean, hard, and breaks with sharp angles. Trap, granite, and hard limestone are among the best; the use of shale, slate, and soft limestones and sandstones should be avoided. The crushed rock should be screened on a ¼-inch screen to remove the fine particles. These small particles should be considered as sand; and, if insufficient in quantity to make the proper proportion of the concrete, as is described later, enough sand should be added to them to produce the required amount.

Gravel well graded in sizes is at least equally as good for concrete as crushed stone. Bank-run gravel, just as dug from the pit, seldom runs even and rarely has the right proportion of sand and pebbles for making the best concrete. The mixture most suitable has one part sand to two parts gravel, measured by volume, in which all sizes passing through a 1-inch mesh screen and retained on a ¼-inch screen are considered gravel. As there is usually too much sand for the gravel, it is both advisable and profitable to screen the material and to remix them in the proper proportions. Gravel should have no rotten stone and should be clean, so that the cement may adhere to it tightly.

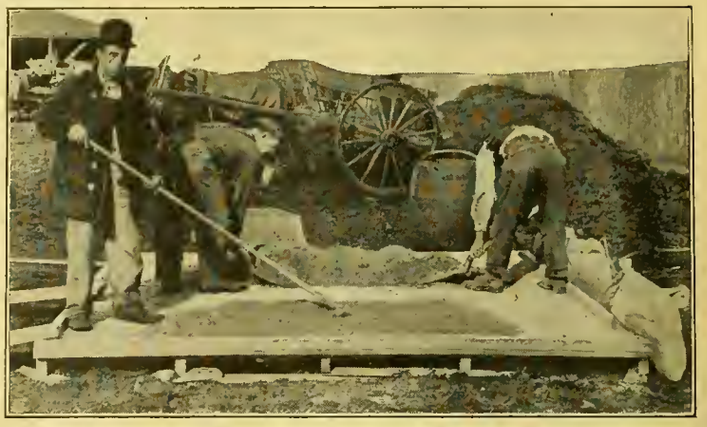
With dirty sand, no amount of cement will make strong concrete. Generally sand is clean, but if not, it can easily be washed by playing a hose or flushing water upon thin layers of sand placed on a tight-jointed inclined wooden board. In size of grain it should vary uniformly from fine to coarse. All particles passing a ¼-inch screen may be considered sand. Any good-tasting drinking-water is suitable for concrete.

For farm work the following proportions are most suitable:

For concrete necessarily waterproof..1:2 :4 or 1:4
For all other ordinary purposes.....1:2½:5 or 1:5

Such proportions of three parts, as 1:2:4, indicate that the concrete is to be mixed 1 part cement to 2 parts sand to 4 parts screened gravel or crushed rock; and 1:4 that it is to be mixed 1 part cement to 4 parts bank-run gravel.

Measurement by counting shovelfuls is poor and uncertain practice. To avoid splitting of bags of cement, make as the unit of measurement 1 cubic foot, the amount of loose cement contained in one cement bag. Such measurements are made a very easy matter by ganging the wheelbarrows. For this purpose use a bottomless box holding 1 cubic foot. A shallow bottomless frame is also a convenient means of measuring. Such a frame, when set on the mixing board and filled, should contain the *full* amount of sand or *one-half* the quantity of gravel, or crushed rock, required for one batch of concrete.



Shoveling and Raking Concrete

Using a "Two-Men Board"

The size of the batch is dependent upon the amount of help and the dimensions of the mixing board or platform. For work of ordinary size, sufficient room will be had on a "two-men board," 8 by 14 feet, framed solidly and covered with 1-inch stuff with tight joints the short way of the board. A wooden strip nailed around the outer edges will prevent the loss of liquid cement. For such a board and the proportions designated above, make the bottomless frame of the clear dimensions given in the table below.

Formula for Two-Bag Batch

Proportions	Sacks of Cement	Frame-fuls of Sand	Frame-fuls of Crushed Rock or Screened Gravel	Clear Dimensions of Frame
1 : 2 : 4 or 1 : 4	2	1*	2	0′6″x2′8″x3′ 0″
1 : 2½ : 5 or 1 : 5*	2	1*	2	0′6″x2′6″x4′ 0″

*For bank-run gravel use the same table, but no sand is required except that which is already in the gravel.

If the gravel does not need screening, place a bottomless frame, previously described for a 1:4 mix, on the mixing board and fill it level full with gravel. Lift the frame, spread the gravel slightly with the garden rake, and upon it distribute evenly 2 bags (the full amount) of cement. Set the frame upon the leveled surface of cement and gravel and again fill it in the same way.

Mix Carefully With a Rake

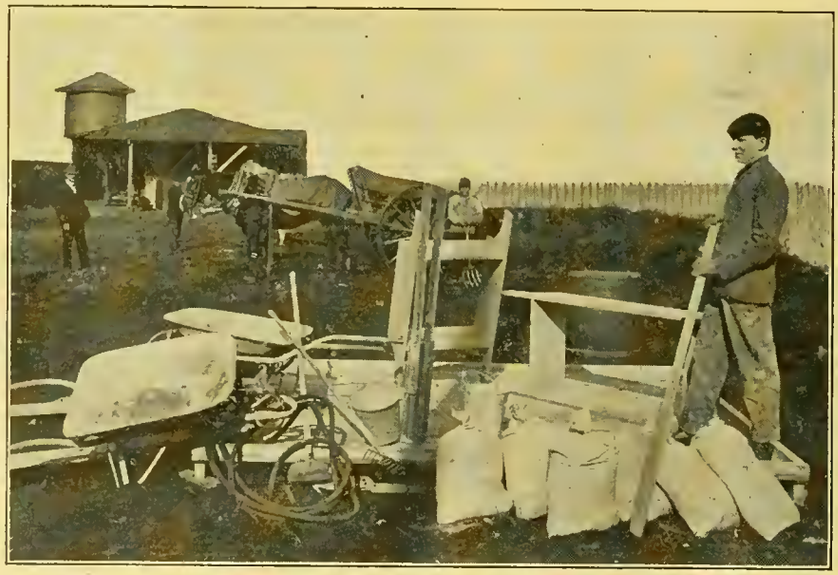
Remove the frame and spread the entire mass by dragging it back and forth with the rake. Two men, opposite each other, then turn the batch with the square pointed shovels. Again use the rake. Keep turning until the cement no longer shows in streaks, until the mixture has a uniform color. Throw up the ragged edges and, with sprinkling can or hose with spray nozzle, apply water in quantity, according to special directions given later for each particular kind of construction. Turn again and add so much more water as may be required. If dry streaks are still evident, continue the turning until they disappear. With wheelbarrows quickly remove the concrete and immediately use it in the work.

If crushed rock or screened gravel is to be used, fill the bottomless frame with sand and distribute upon it 2 bags of cement. Drag the materials back and forth with the garden rake, then turn, as described above, until the mass has a uniform color. Spread the mixture so that 2 framefuls of crushed rock or screened gravel may be placed upon it. Wet the mass and turn as for bank-run gravel until each stone is coated with cement mortar. Remove as for the gravel concrete.

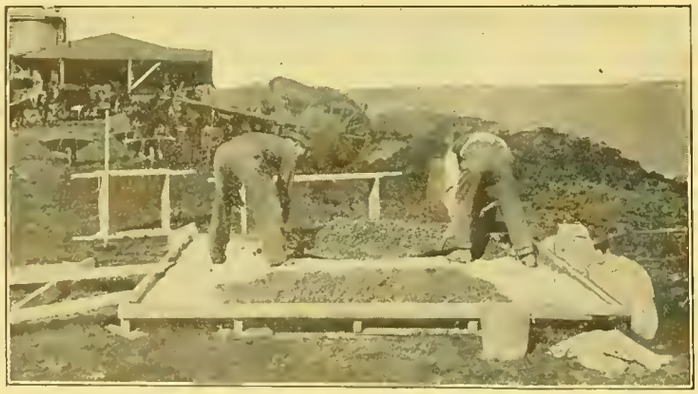
For the proportion of 1:2½:5 or 1:5 the method of mixing is the same.

Since crushed stone is more or less porous, in dry hot weather it is advisable to keep the stone pile wet or at least to water the stone well as it stands on wheelbarrows ready for the mixing board.

In greenhouse work, hard coal ashes or cinders are often used. A description of mixtures, and other information concerning this form of concrete will be found in the discussion following a paper read by E. D. Boyer at the S. A. F. Convention at Rochester, as printed on page 382 of the EXCHANGE, issue of Aug. 27, 1910.



Mixing Board, Tools, Etc., Used in Mixing Concrete



Shoveling Concrete on a "Two Men Board"

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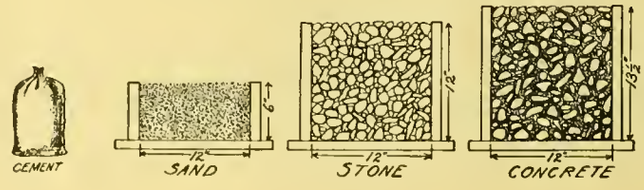



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13 to 15 "	3.50	30.00
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Narcissus Paper White Grandiflora

	100	1000
Extra size bulbs	$1.00	$9.00

Freesia Refracta Alba

	100	1000
Extra size bulbs (½-in. up)	$0.85	$7.50
Mammoth bulbs (¾-in. up)	1.00	9.00

Lilium Candidum

	100	1000
8 to 9 in. bulbs	$4.00	$35.00
9 to 10 "	4.50	40.00

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Hardy Perennials

A paper, by Joseph W. Pybus, read at the June, 1910, meeting of the Lenox (Mass.) Horticultural Society.

In considering this subject, which most of us, as gardeners, have to take in hand and study more or less, it is well to know something of the varieties we have to deal with. I often wondered, when I was on the Backhouse staff, where all the rubbish went to, but it went somewhere, and was always in demand. It may have embraced botanical curiosities, and maybe not; but they evidently have not found their way to Lenox.

The perennials under cultivation come from a very wide area: North and South America, all over Europe, Asia, Africa and Australia. I don't know whether Peary brought any from the North Pole or not; and the other explorer probably "cooked" his collection. But it does seem remarkable that many plants coming from countries where they get very little frost should prove hardy in our rigorous climate; that I attribute to the warm Summer days, extending throughout the Autumn, which have a tendency to thoroughly ripen the crowns, and so increase their vitality; and also to the warm mantle of snow following quickly after the first few frosts.

It may be said, broadly speaking, that perennials are the most accommodating creations under the sun. It is well nigh impossible to plant them where they will perish; whatever the nature of the soil, it is possible to find varieties that will fill the bill. Now, such is not the case with alpines, those fickle, fastidious gems of the Alps and the Pyrenees; no amount of coddling and persuasion will make them grow unless they can get proper soil, and conditions as near to their natural habitat as possible.

It is only a few years ago, in the old country, since we saw the passing of the geometrical style of bedding, familiar to most of us as "carpet bedding," and why? It had a beauty of its own: it demonstrated what could be done with combinations of colored foliage plants: it brought out one of the finer arts of the horticulturists: it gave us many a sore knee with weeks of kneeling, and wore out our pants into the bargain. Yet, as Sam Weller would say: "You know, sir, it isn't nat'ral," and that just about summed up the reason why it went to the wall. Much time, extra expense in labor, and much valuable room was devoted every year to produce these Brussels carpet beds.

All that has changed. But was it a change? Or only a reversion to the old love? I think the latter surmise is correct.

The perenoials are the old-fashioned flowers of our grandparents: and it is easy enough to understand that, because the old border plants are substantial; they were there every year, earlier than the cuckoo, and later than the swallow; wet seasons or dry seasons: their integrity was undisputed, four square to all the winds that blow. And that stands good today—only more so.

I have in my mind an old world garden, very much today as it was when designed by Lady Betty Hastings, 150 years ago. The old orangery is still standing—or was up to a few years ago—the spurs of the vines are knarled and twisted with age. The houses are half timber, and the ventilators slide up and down with the aid of a weighted rope: the ropes, no doubt, have been replaced many times, but the weights are the same. A subterranean passage from the potting shed is supposed to find an exit at Pontefract Castle. Everything is old—it smells of antiquity. Twenty-five years ago, the old gardener, Hutchinson, who was about 90 years of age—but he stuck to his work, and he always wore an old white top hat; I never knew him wear any other—had been there 65 years, and the herbaceous borders had the same plants in them that they had when he first went there. He said: "I takes 'em up every now and again, and gives 'em plenty of muck, and they goes on growing." They were surely substantial!

You may ask: "And what were all those varieties?" Lupins, white and blue; Michaelmas Daisies such as Tradescanti and cordifolius; German Irises; a few Phlox; Hemerocallis; Tiger Lilies; Funkias; several varieties of Veronicas; Bachelors' Buttons; Borage, for the bees; Sunflower Helianthus multiflorus; Spiræas; Dielytra spectabilis; the old double red Peonies; the stately Delphiniums, trying to look as stately as their neighbors the Hollyhocks—that's just about what this border of 100 yards long contained, backed up with a high wall on which grew Mulberries and Banksian Roses. It was a flued wall, and its only use, as far as the flues went, was as a harbor for rats.

So it goes to prove that if you roll the centuries back, there were men, even in those early days of garden history, with sufficient grit to go to far off countries, in the old sailing tubs to find something for "my lady's bower." They may have been buccaneers as a sort of side line, but they got there all the same whichever game they played.

But all this is one of the phases, or side issues, of the cult of our forefathers, down to the present day, when it has developed into the art of perennial culture. Art? Yes! the faculty of making the best of, or of producing an effect or of impressing indelibly on the memory a view, a scene, a mental picture that not even time will obliterate. You and I have seen many such pictures. I saw one last August, on an estate in the Chestnut Hill district of Philadelphia. I was fully half a mile from the park which surrounds the mansion, and such a blaze of color came in view that it was worth going a long way to see. The perennials occupied several large beds scattered about the park. I tried to guess what the plants were, but failed. They proved to be Phlox, each bed planted with a distinct color. I was all the more nonplussed in trying to name what they were, because where I had been stationed, about 12 miles on the other side of the city, the Phlox had finished blooming early in July, attributable, no doubt, to drought, want of mulching, and an apparent dislike of using the hose.

If any of you gentlemen were asked for a list of the best six groups or varieties of perennials, very probably you would (and no doubt rightly) place the Phlox family at the head of the list. I have no data as to how long the Phlox has been in cultivation, but probably the monks grew some before Henry's time. Great improvement has been made in late years, which has put the old sorts completely out of court. The improvement is marvelous, both in size and form of flowers, and the immense trusses. The colors range from pale rose to the most intense scarlet, mauve, lilac, deep blue and purple white; and many have pretty combinations of color, rendering them most brilliant for decorative purposes.

The choice of varieties is all a matter of taste, but Etna, scarlet; Virginale, white; Franklin, purple; Waverley, deep rose; Pantheon, salmon rose; Mme. Lingard, white; Pink Beauty; and Faust, flushed pink, are among the best. I want to call your attention to a variety that blooms in May and June, and that is Laphami, a good mauve. I grew it when it was first sent out, four years ago. It grows about two feet high; but you would probably appreciate it more if it bloomed later in the season.

You cannot get a soil too rich for this grand family; but, however good the soil is, they should be divided every three or four years. The crowns have a habit of strangling one another, with the result that there are only a few strong shoots and plenty of rags. A good practice is, when the plants are about 15 in. high, to pinch off the tops of all the outer shoots; it feathers the plants up, breaks them back, makes symmetrical shaped clumps, and lengthens the flowering period. If, when pinching them, there are any varieties of which you wish to increase the stock, put the tops in a cold, shaded frame, in any sandy soil, and they root quite easily. The Laphami I have mentioned is a great one to root in that way.

In this Summer resort district of ours, it is little use planting large batches of perennials that flower much earlier than June: but from that time onward plenty and to spare is required.

One of the most important families—some of you would place it first—are the Peonies: they certainly stand for dimes and dollars to the commercial men at decoration time. I don't think they grow them so extensively in England as they do here. Now, the Peony is a perfect glutton; it likes a good deep soil, cannot be overfed, and it will go right through the menu and be there again for a second round. But Peonies don't like shifting. Like a man who has good "diggings," it takes them a long while to settle when they are moved. They grow well in either sun or shade; and if brushwood is put around them in the early stages of their growth it will enhance their value and lengthen the blooming period.

I used to know one, Wittmanii Major, but have not seen it for a long while. It was a sort of glorified Magnolia, with beautiful foliage; but single ones are going to the wall, in fact are back numbers, making way for the double Chinese. According to the president of the American Peony Society, there are upwards of 3000 known varieties in commerce—and be traced their history back to the sixth century. Of course, this estimate will include all the species of the family.

I have dealt with two important groups of our perennials. Which would you place next? How many of you would vote for Irises? Nations have come and gone, and many more are in the making, but the Iris remains, and will remain to the crack of doom. I don't think another deluge, with all its devastating ruin and a second Noah to boss the show would stamp it out, semi-aquatic as is its nature. If I were modeling a garden after my own heart—and art—I would have an Iris garden. No other beauty would be there to usurp the position of my Irises, they would reign supreme, not even a grass path with a stray Daisy, or the inevitable Dandelion. There would be gravel paths winding in among the beds and the Irises would be planted in groups—German, Kæmpferi, Sibirica, Japanese and a few beds of Spanish; and take it from me, the garden would be worth seeing. All the points that constitute a good perennial are in their favor—hardiness, beauty of color, beauty of form, fragrance, adaptability to any position, and length of blooming period. Do you want more than that? Perhaps the only injustice the Iris has received at my hands is that of not placing it first, as it should be placed when it merits a garden to itself. But I have no hesitation as to which of the group stands out ahead of its kin—the Palm goes to the German section, Iris Germanica.

As to a selection of the sorts to plant, it is almost impossible to go wrong. Any of the Pallidas are good for blue or violet: Florentina for a good veined white; Louis Meyer, veined yellow; and Cordelia, rich crimson. There are others I know, and many more I don't know, but they are all satisfactory. The next important group is the Kæmpferi, or Japanese, especially the new type. The varieties have become very familiar of late years on account of their long, sword-like leaves, and their wonderful, rather flat flowers, but with exquisite markings. I have often seen them 9 ins. across. Very few flowers open simultaneously on one stem: Nature must have ordained it so, because of the amount of space an individual flower takes up. The Kæmpferi like a swampy position, especially if it is peaty, and they, like their peers, the Germanicas, improve year by year, undisturbed.

The Spanish Iris, belonging to the bulbous section, is another old favorite, but I have some doubts as to its hardiness. In England, as you know, it is planted out in the Fall, and gives a good crop of bloom through May and June. This variety, however, is also good for pot culture.

(To be continued)

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Please mention the Exchange when writing.

In regard to yours of the 20th., as to inserting my advertisement of Carnation Plants again this season, would say: I am all sold out—from the advertisement inserted with you a year ago, as parties buying plants at that time, wrote to me again this year—your advertisement and a square deal doing the trick.

Address of this advertiser on application.

5000 Fine Field Carnations

Boston Market, Elbon fine Red, Queen, Dorothy, $6.00 per 100, 250 to 1000, $5.00 per 100. **Afterglow** and **Enchantress,** $7.00 per 100. **100,000 Privet, Shrubs, Vines,** etc. List Free.

BENJ. CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

Carnations

Field-grown, strong, bushy plants.

1000 Winsors, six to twelve shoots, $5.00 per 100. Cash.

Arthur Taylor, Onaway Greenhouses **Boonton, N. J.**

Please mention the Exchange when writing.

CARNATION PLANTS

Clean, healthy field-grown **Carnation Plants.** This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; **Pink Enchantress, White Perfection, Bountiful, Winsor,** $6.00 per 100, $60.00 per 1000; **Boston Market, White Lawson, Harlowarden,** $5.00 per 100, $50.00 per 1000.

Cash with order

HOWARD P. KLEINHAUS 66 CENTRE SQUARE **EASTON, PA.**

Please mention the Exchange when writing.

Forty Thousand Field-Grown Carnations

Compact, Bushy Stock, in a Very Healthy and Thrifty Condition.

	Per 100	1000
White Enchantress	$7.00	$65.00
Rose P. Enchantress	6.50	60.00
Light P. Enchantress	6.00	55.00
Winona	6.50	60.00

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATION PLANTS

Field-Grown, good stock, $5.00 per 100

10,000 Enchantress 5,000 Beacon

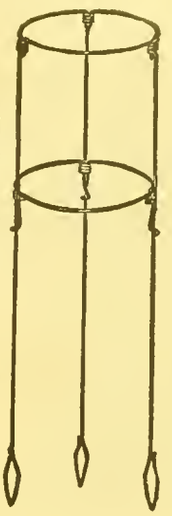
D. T. McCARTHY & SONS
NURSERYMEN and FLORISTS
LOCKPORT, N. Y.

Please mention the Exchange when writing.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Prices Advertised in these Columns are for THE TRADE ONLY

THE MODEL Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

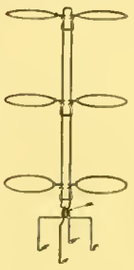
Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
63-71 Metropolitan Ave.,
BROOKLYN, N. Y

Please mention the Exchange when writing.

MÜLLER'S DOUBLE IMPROVED CARNATION SUPPORT



Patented Feb 8, 1910

Is the only Support on the market that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Müller's Support Talks For Itself.

O. A. MÜLLER, Ambler, Pa.

Please mention the Exchange when writing.

FIELD GROWN CARNATIONS

	Per 100
500 Rose Pink Enchantress	$4.00
500 Harry Fenn	4.00
500 Mrs. Patten	4.00
2000 Afterglow	4.00

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.

Please mention the Exchange when writing.

CARNATIONS

5000, Large, Fine, Field-grown, **LORD** stock, $10.00 per 1000.

GEO. PETERS & SONS, Hempstead, L. I., N. Y.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS
In Season

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets
Broken Columns
Christmas Wreaths and Baskets
Easter Baskets and other Easter Designs
Casket Covers
Gates Ajar
Floral Chairs
Harps
Horseshoes
Lyres
Pillows
Easels
Panels
Anchors
Wreaths in great assortment
Standing Wreaths
Standing Crosses

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 NEW YORK CITY



Henry Eichholz, Waynesboro, Pa.
Originator of Carnation Christmas Cheer

Henry Eichholz, Waynesboro, Pa.

Henry Eichholz of Waynesboro, Pa., is well known as a Carnation specialist. In the past two years or more his efforts to produce dwarf varieties of Carnations suitable for pot plants have been rewarded with considerable success, and his exhibits at the exhibition of the American Carnation Society have attracted much attention, and ranked high in the lists of awards.

As descriptive of his work in the direction of his specialty, Mr. Eichholz's story as to how he came to grow Carnations for pot plants is most interesting. It is as follows:

"Fifteen years ago I started to offer my results of dwarfing the Geranium. Varieties like Mars, America, Dr. Hering, J. D. Eisele, Venus, etc., made quite a hit, only their persistent blooming made it hard to find cuttings on them to root. On recent visits to Baltimore and Harrisburg, I still found a good many of the Mars and America growing. The success in selling these was phenomenal, and I soon found competitors in Geraniums. When Mr. Albert M. Herr of Lancaster, Pa., and the Messrs. Vincent of White Marsh, Md., started in to grow them by the millions at one and two pennies a piece, and John Birnie and I tried to figure out how many Geraniums really can be grown within a certain time, I found the profits on Geraniums had vanished. Therefore, acting upon Mr. Birnie's suggestion in his essay read before the American Carnation Society, at its meeting in Toronto, 1907, that someone should procure a strain of Carnation suitable for pot culture, I dropped Geraniums right then and there and started to hybridize Carnations. Mr. Birnie's words of inspiration at Toronto were as follows:

"'Hitherto our introducers have devoted their entire attention to the development of the Carnation as a cut flower, but there is another phase of Carnation advancement which they have altogether neglected, although they have had numerous hints regarding it both in the trade press and from the platform. I refer to the Carnation for pot culture. We need a race of dwarf Carnations, of every shade of color. Colors that could not be used in the cut Carnation would be very desirable in this class, and fragrance should be one of its prominent features. A race of Carnations of the kind mentioned would mark an epoch in the plant trade. They could be grown in ordinary pots for the general plant trade, or put in pans or vases for decorative and holiday purposes. They could be flowered at any time without undue forcing, and would certainly make a far more satisfactory house plant than the short-lived, although pretty Azalea. They could also be used for Summer planting and would fill a long felt want in that direction, as I think it is extremely improbable that a Carnation which would prove to be entirely hardy in our northern latitudes will ever be produced. There won't be "too many Carnations introduced" until this much-needed class receives the attention it deserves.'

"We had a few plants of a Carnation from a private estate at Carlisle, Pa., on trial; its name was Helen Boseler, and it was of extremely dwarf, erect growth. The variety Mrs. T. W. Lawson being of a dwarf, short habit, was selected as one of the seed parents, and from the cross hundreds of seedlings were obtained, and 'Alvina,' introduced by us, was selected. Again, Alvina was selected as a parent, and all the commercial favorites were tried in fertilization with Alvina, with the result that Victory crossed with Alvina gave us "Christmas Cheer" among others. This variety is of extremely quick growth, very easy to root and of the finest scarlet color. It will grow to a height of 12 to 14 inches, and will carry 25 and more flower shoots at one time without the necessity of staking; planted in pans, 2 and 3 large plants, it will prove the easiest $5 getter at the Christmas counters ever known. That a profit awaits the storeman and grower will soon be known. The public is only waiting for good pot Carnations, free flowering and pretty in color.

"The problem of what to do with greenhouse space after the Chrysanthemums are cut is solved. Plant the houses full of plants of Christmas Cheer Carnation, and reap the most easily earned money of the season. To grow nice large plants, say such as will need an 8" pot in August, one will have to make the cutting in November and December; but cuttings taken in March and April have made plants that easily fill a 6" pots. The topping must be done uniformly in the field. Let all shoots come up together and top at one time, so as to get the plants into full crop at one time. A little practice will soon tell. Our method is to make the last topping about August 15, and plants will bloom freely all through December and January, in pots, and for two months plants are salable.

"As a cut flower variety it has no equal. The flowers are of standard size, 2½" to 3"; but Christmas Cheer will produce five blooms to one of any known red Carnation in existence—that is our experience. From time to time next year we shall give, through your valuable paper, advice as to planting, topping and potting.

"I may also state that I have this strain in four different colors, as we shall show in the near future."

Mr. Eichholz is an indefatigable worker in everything tending tending to promote floriculture, and, as he has himself shown, has the ability to make capital out of the proceedings of trade bodies, through the meetings he attends. He is a member of the S. A. F. & O. H., the American Carnation Society, the Florists' Club of Philadelphia, and the Gardeners and Florists' Club of Baltimore. He is also a member of the orders of Odd Fellows, Knights of Pythias and the Elks.



Residence of H. Eichholz, Waynesboro, Pa.



Center row in picture shows Carnation Christmas Cheer, grown outdoors. The plants had had no rain for nine weeks when photograph was taken July 29, but its characteristic, heavy, short growth can readily be noted.

A Hawthorn Hedge for the South

We have a customer who is thinking of planting a hedge of English Hawthorn along a public turnpike, a distance of nearly 2,500 ft. Could you tell us which variety of this plant to use, the distance to plant, and what size plants to use? There are several isolated specimens of different varieties of Cratægus, in both double and single form growing well in this locality.—M. B. C., Ky.

—Use the common English Hawthorn, Cratægus oxycantha. There are native Hawthorns good for defensive hedges—the Cratægus crus-galli for one, but it has such dreadful thorns that it might be considered objectionable along a public highway.

Two- or three-year-old plants would do to start with. It is not well to start with too large a plant, to be successful. If not in our nurseries in this country, any nurseryman would import them for you from Europe. You could plant in single row, a foot apart; or in double rows, the plants 15 inches apart, the rows a foot apart, the plants in one row alternating with those in the other. The double ones you mention are varieties of the common English. J. M.

NEW ROSE CASIMIR MOULLE.—This is a very remarkable new Wichuraiana hybrid belonging to the same group as Lady Gay and Dorothy Perkins. The numerous panicles are composed of 20 to 50 flowers of medium size, rather flat in shape, overlapping each other, and even more double than the above-mentioned varieties. The color is a bright purplish pink, with which the silvery pink of the under side of the petals is in pleasing contrast. The plant is said to be very vigorous, and a late but extraordinarily free bloomer. It was originated by Barbier & Co., of Orléans, France, who will introduce it next season.—*Revue Horticole.*



Greenhouse Establishment of H. Eichholz, Waynesboro, Pa.

To the Trade Who Were Unable to attend the S. A. F. & O. H. at Rochester, We Submit Our Fall Prices of

CRAIG QUALITY STOCK

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall, $5, $6 and $7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots .75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans.....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceof the Croton family.

6-7-8-in. pots, $1.50, $2.00, $2.50, $3.00, $3.50 each

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracænas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready September 15th.

5-in. pots .....$5.00 and $6.00 per doz.

Dracaena Terminalis

This is the best variety for Christmas sales. We will have a superb stock for delivery after Oct. 15; perfect in foliage and exceptionally well colored. We are now booking orders for same for above delivery at the following prices:

4-in. pots, strong.....$25.00 per 100
5-in. pots, strong .....$50.00 and $75.00 per 100
6-in. pots, strong.....$9.00 and $12.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb Stock.

8-in. pots, strong plants, $18.00 and $24.00 per doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers,....$9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

6-in. pots, 3 plants, 24 to 26 in. tall....$9.00 doz.
Heavy 6-in. pots, 3 plants, 28 to 30 in. tall, ...$12.00 doz.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall...$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall...$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall..$3.50 each

Pandanus Pacifica

Very handsome plants.

11-in. tubs,....$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $1.50, $2.00, $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy.....$6.00 and $9.00 per doz.
8-in. ¾ pans, heavy.....$15.00 per doz.
10-in. ¾ pans, heavy.....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strongs plants..$6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots.....$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Bostoniensis Harrisii

The greatly improved Boston. Especially good in large plants.

11-in. tubs, very handsome.....$3.00 each

Neph. Scottii

Our stock in superb condition.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots .....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome.....$18.00 per doz.

Otaheite Oranges

We can supply plants with from 4 to 15 fruit. When shipped prior to October 1—15c. per fruit in green state. When fully ripened—25c. per fruit for Christmas.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

2½-in. pots, twice shifted, $15.00 per 100, $140.00 per 1000
4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, Sept. 15 delivery.....$50.00 per 100
3-in. pots, ready now.....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of LIGHT BEGONIA LONSDALE sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

4-in. pots, heavy, $25.00 per 100, $225.00 per 1000
5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots .....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants.....$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy..$8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy....$9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Pandanus Veitchii

Ready October 1.

4-in. pots .....$6.00 per doz., $45.00 per 100
6-in. pots.....$12.00 per doz., $90.00 per 100

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth & Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man, experienced in Rose section. Good references. Address M. O., care The Florists' Exchange.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By competent landscape gardener with nursery growing experience. References. Address F. M. Hadden, 145 Pond St., Providence, R. I.

SITUATION WANTED—By good experienced Carnation grower, single, willing to take care of section. References. Address E. D., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, married, as greenhouse man; 18 years' experience in inside and outside work. First class references. Address E. C., care The Florists' Exchange.

SITUATION WANTED—By assistant greenhouse man; a good grower of Roses, Carnations, Chrysanthemums and general stock; good potter. Good wages expected. Address E. F., care The Florists' Exchange.

SITUATION WANTED—By storeman and decorator in Boston or locality. Now employed. Can furnish highest references from present employer. Address E. B., care The Florists' Exchange.

SITUATION WANTED—By young man, 21, with some experience in Carnations, Roses, 'Mums and Violets. Please state wages and full particulars in first letter. Address, Robert Leslie, 120 E. 41st St., New York City.

SITUATION WANTED—By landscape gardener, absolutely competent and reliable in artistic landscape work of any description; single, sober and recommended by architects. Address E. G., care The Florists' Exchange.

SITUATION WANTED—By nursery manager who wants to change position, best of references; can take entire charge, also of office. Good salary expected. Address "Letter Manager," care The Florists' Exchange.

HELP WANTED

WANTED.—Young men who want to learn Forestry work. No bluffers or boozers. Address Box 97, Jersey City, N. J.

WANTED—Florist, experienced in growing Carnations and 'Mums. Apply to D. Y. Mellis, Snyder Ave., Flatbush, Brooklyn, N. Y.

WANTED—Experienced man on pot plants and general greenhouse work. P. Wagner, Cor. Troy & Midwood Ave., Flatbush, Brooklyn, N. Y.

WANTED—Designer and decorator for high class trade. Good wages to right kind of a man. Address Idle Hour Nurseries, Macon, Georgia.

WANTED—Man with experience to help in greenhouses, growing commercial stock. State wages and references in first letter. Address E. H., care The Florists' Exchange.

WANTED—Immediately German gardener for Roses, Carnations, Chrysanthemums and Plants. West Side Greenhouses, Bethlehem, Pa.

WANTED—Experienced greenhouse man as assistant in growing Carnations. Apply sending references to J. D. Cockcroft, Northport, L. I.

WANTED—Men for Rose sections in large place near New York. Permanent positions to competent parties. Address D. F., care The Florists' Exchange.

WANTED—Single American for general greenhouse work. State wages and references. Addreas A. H., care The Floriats' Exchange.

WANTED—Greenhouse constructor with some floral ability. Board and room furnished. Do not answer unless you mean business. Fair wages to party answering above requirements at once. H. B. Thompson, Canonsburg, Pa.

Continued to next Column.

HELP WANTED

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A good general greenhouse man with some experience in watering and willing to assist in firing where Carnations and Chrysanthemums are grown mainly. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Night fireman. Apply John Young Co., Bedford, N. Y.

WANTED—A single experienced man to bunch single Violets for market and assist in growing them. Give reference and state wages expected. E. Bingham, Pine St., Dedham, Mass.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Assistant foreman on large commercial place where Roses and Carnations are grown. Wages $75.00 per month. State full particulars. Address D. G., care The Florists' Exchange.

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understand thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED — Working foreman, married man, for large wholesale place in the East, Specialties, Roses and Carnations, also grow 'Mums, and general line of pot and bulbous stock. Must come well recommended from former employers and must be thoroughly capable of handling men and producing good stock. Address E. A., care The Florists' Exchange.

WANTED—A live man at head of landscape and nursery department. We have an established and growing business. We want a man thoroughly conversant with landscape and nursery work, competent to interview best trade and handle men. We need additional capital to extend and develop this department. If you have $3000.00 and can fill all of above requirements we have a proposition which you cannot afford to overlook. Address E. E., care The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

FOR SALE—4,000 fine healthy Carnation plants. All choice varieties; very reasonable prices. Address Arthur Coombs, Florist, West Hartford, Conn.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS.—Extra large and strong field grown stock: Enchantress and White Enchantress, $6.00 per 100. Crocker, Queen and Prosperity, $5.00 per 100. W. C. Pray, Dobbins P. O., N. J.

FIELD GROWN CARNATION PLANTS

Enchantress and Winsor—$5.00 per 100.
Queen $4.00 per 100.
Harry Fenn $3.00 per 100. Cash please.
John L. Lundsted, Passaic, N. J.

CARNATION PLANTS FOR SALE.—600 Fairmaids, 250 Harry Fenn and 350 White Enchantress, excellent stock at 5c. each. Cash with order please. H. J. Seagroatt, Russell St., Woburn, Mass.

FINE CARNATION PLANTS

Field grown Queen Louise, Lady Bountiful, Red Sport, 3-in pots Lawson, Var. Lawson, White Lawson; all clean and perfectly healthy stock, $4.00 per 100, $35.00 per 1000. Cash with order. Virginia Nursery Co., Purcellville, Va.

FIELD-GROWN CARNATIONS

STOCK FOR SALE—Field grown Carnations, strong healthy plants, 6000 Lord, first size, $35.00 per 1000; second size, $30.00 per 1000. 1000 Queen and 1000 Victory, second size, $30.00 per 1000. 2000 Lawson, first size, $40.00 per 1000. Julius Chevalley, Blue Point, L. I.

FIELD-GROWN CARNATION PLANTS.
Fine, heavy plants, well branched.

	Per 100
Rose Pink Enchantress	$8.00
Enchantress	6.00
White Perfection	6.00
Smaller Plants:	
Winsor	5.00
Harlowarden	5.00
Patten	5.00

Cash with order. Can ship U. S. Express.
Sunnyside Greenhouse, Dover, N. J.

Continued to next Column.

STOCK FOR SALE

CARNATIONS

Field Grown Carnations

600 Queen Louise, strong plants, $5.00 per 100.
JOHN S. PFEUFFER, Chester Heights, Pa.

CARNATION PLANTS

Free from stem rot and healthy. 900 Rose Pink, $5.00 per 100. 700 Lawson, $4.00 per 100. 250 Queen Louise, $40.00 per 1000, large plants. 2000 Harlowarden, $30.00 per 1000. Second size Lords and Queen Louise, $30.00 per 1000.
F. B. ABRAMS. - Blue Point, L. I.

MISCELLANEOUS

ASPARAGUS PLUMOSUS, 3½ inch, strong, $7.00 per 100. Thos. R. Fries, Lancaster, Pa.

STOCK FOR SALE—Stevia, well-rooted cuttings, 75 cents per 100.
Henry Holzapfel, Jr., Hagerstown, Md.

WRITE us now for prices on Green and Bronze Galax. Will be ready to ship now. We are sure our goods and prices will suit you. Geo. M. Autrey & Son, Harvard, N. C.

STOCK FOR SALE—Smilax, 2½-in. pots, $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

FOR SALE — 600 Asparagus Sprengeri, prime plants ready to begin cutting as soon as housed. Summered in the field, $6.00 per 100, $30.00 for the lot. Cash please. S. E. Boyden, Holden, Mass.

VIOLET CLUMPS

Princess of Wales and California Violets, extra fine field grown clumps, $4.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

FOR SALE—Extra strong Winsor, field-grown Carnation plants, at $5.00 per 100. Strong Asparagus Plumosus Nanus out of 3½ in. pots, at $7.00 per 100, $65.00 per 1000. Address Kramer Bros., Farmingdale, L. I., N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

BEGONIA.—Flowering, 15 varieties, fine plants, some kinds in bloom, $5.00 per 100; try them. 3000 Ferns, large bushy plants from benches or pots, Boston Scottii, Whitmani, Elegantissima, etc., 15-25-30-35 cents each. A special bargain. Alonzo J. Bryan, Washington, New Jersey.

STOCKY strong plants of Daisy Snowball (white) Longfellow (pink) and Double Sweet William, 50c. per 100, $1.00 per 250, $3.00 per 1000. Double Wallflower strong, 12 inch high, $2.00 per 100. R. Monaghan, Abington, Pa.

HYDRANGIA OTAKSA, extra field grown plants for 8 inch pots, 5 branches, 10 cents, 6 branches, 12 cents, 10 branches, 20 cents, 100 in assorted sizes, 5 to 12 branches $10.00. Young plants with one branch, $2.00 per 100. F. J. Langenbach, Florist, Norwich, Conn.

ROSE PLANTS

Perles and Richmond from 3-in. pots at 3c.; Brides and Bridesmaids from 2½-in. pots at 2½c.; from 2¼-in. pots at 2c. Satisfaction guaranteed. Brant Bros., Inc., Utica, N. Y.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
300 Gardenias (extra fine), at 16 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

CYCLAMEN, fine thrifty plants, mixed colors, 3-in., $5.00 per 100. PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $6.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $16.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses,
Pine Brook, N. J.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
450 Sixth Avenue, NEW YORK

CHRYSANTHEMUMS

Golden Glow, Pacific Supreme, Polly Rose, October Frost, Early Snow, Ivory, Bonnaffon, Pitcher, Baby, Cullingfordii, Eaton, etc., R. C. $1.25; 2½ in., $2.25 per 100. Poehlmann, Gloria, Golden Eagle, Baby Marguerite, etc., R. C., $2.00; 2¼ in., $2.75 per 100. Mrs. Kelley, President Taft, Golden King, Donnellan, President Roosevelt, R. C., $3.00; 2¼ in., $4.00 per 100.

List of 60 varieties

Stafford Floral Co., Stafford Springs, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs, or Nursery Stock.

Trees Wanted

Large size **Elms, Maples, Horse Chestnuts, Lindens, Planes, Ash, Oaks, Ailanthus, Gingko,** etc. 2½ to 3 inches and 3 to 4 inches caliper. Quote us by the 100 and name the varieties, quantity you can furnish, sizes and prices.

F. W. KELSEY NURSERY CO., 150 Broadway, New York

SUNDRIES FOR SALE

FOR SALE—Hitching 55 boiler in very good order. Can be seen at Fort Hamilton Parkway & Gravesend Ave., Brooklyn, N. Y. Price $100.00. Chas. Krombach.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3350 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 68 Troutman St., Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE—On account of failing health, will sell at a sacrifice, entire stock and fixtures of nursery containing large, choice and almost complete line of hardy herbaceous Perennials with established and profitable business. Address E. I., care of The Florists' Exchange.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—160 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—76 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 76 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

Bulk Seed Drawers For Sale

Owing to expected alterations, we desire to sell 2 cabinets of Bulk Seed Drawers. No. 1 is 10ft. long, 5ft. high, 1ft. deep and contains 12 drawers; while No. 2 is 11ft. long, 5ft. high, 1 ft. deep and contains 84 drawers. These drawers have oak fronts are hard wood throughout and in A1 condition. We are offering these drawers at a sacrifice and if in any way interested write for price and further information.

M. H. BRUNJES & SON
1518 Myrtle Ave., Brooklyn, N. Y.

FOR SALE OR RENT

FOR SALE—2 wagons, 1 top and 1 open; both wagons in first class condition, hardly been used. Built by Fitzgibbon & Crisp. Address Cole, the Florist, 191 Newark Ave., Jersey City, N. J.

FOR SALE—Two greenhouses with lot and business. Area of houses, six thousand square feet. Right price to quick purchaser. Reasons for selling, sickness. Apply to Franz Weiskopf, 354 First avenue, Bethlehem, Pa.

FOR RENT—On account of death, 2 greenhouses and dwelling house, situated on main street at Patchogue, L. I. For particulars apply to Mr. Peter Waters, Patchogue, L. I., N. Y.

FOR SALE—Retail place, 8 miles from New York, 3 greenhouses on leased land with the first option to buy, 4 more years' lease. All in perfect condition, just step in and do business. Price $2750, all cash. Reason for selling: my wife's health. Address D. M., care The Florists' Exchange.

FOR SALE—Greenhouse establishment with four well stocked semi-iron frame greenhouses, good barn and out-buildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last four years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address D. J., care The Florists' Exchange.

FOR SALE On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of eight rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.

H. KUHNERT & SON
HACKENSACK, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, greenhouse plant, 15,000 to 20,000 feet of glass with dwelling and two or more acres of land, near New York. State full particulars in first letter. Address B. G., care The Florists' Exchange.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.96c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.96c. per ft.

6,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. Rochester, N. Y.

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 13x14 to 13x30, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $3.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

RESIDENTIAL SITES AND ENVIRONMENTS.—Joseph F. Johnston. One of the finest landscape books ever issued. Price, $2.50.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FOR SALE OR RENT

The Mergenthaler Greenhouses

East Washington Lane, Germantown, PHILADELPHIA, PA.

About 300 yards from Washington Lane Station, Phila. & Reading Railway.

Nearly three acres of ground. 17 Greenhouses, 2 Boilers.
Large well built modern residence.
Stable and Carriage House, Sheds, etc.
Terms will be made to suit purchaser.

HOWARD B. WILSON & CO., Attorneys
2122 GERMANTOWN AVE., PHILADELPHIA, PA.

Please mention the Exchange when writing.

French Hyacinth Bulbs

Writing from Toulon, under date of July 3, Consular Agent Francis M. Mansfield says of the present crop of Hyacinths in southern France: The first stocks of "seasons" bulbs are now on the markets of Ollioules and Hyeres, and within 10 days the traffic will have reached its height. Roman Hyacinths of the standard quality and dimensions at first sold for 80 francs (franc=19.3 cents) a thousand, but the price has mounted progressively to 85, 90, 95, and even 100 francs.

At the actual moment the bulk of the crop in sight has already been bought up by exporters and middlemen. Unestimated stocks are still in the hands of the small peasant growers, some perhaps are still in the ground, and these smaller stocks (in the aggregate doubtless some millions) will hardly materialize upon the markets of Hyeres and Ollioules before another ten days or fortnight.

With these further prospective stocks to be taken into consideration certain large dealers (shippers or exporters) have not yet laid in their supplies, counting on a fall in price. If this fall does not actually take place (due to the hidden stock being smaller than commonly supposed) prices are bound to increase in United States markets, above all for bulbs of the larger dimensions (15 centimeters and over). It has been the lack of these large sizes in past years that has made the shortage of the value of the crop and of purchases by United States buyers.

The quality of the crop of 1910 is seemingly excellent throughout the district, that from around Hyeres being perhaps superior on the whole to that which the writer has personally seen at Ollioules, i. e., grown at Ollioules or about there; the crop from all the surrounding region is largely shipped by Ollioules exporters.

The first shipment of 1910 bulbs went forward on July 1. In 1909 the new crop also had its first shipment on July 1, the last going forward on Sept. 6. The total value of the bulb shipments of 1909 to the United States, as per invoices certified at this consular agency, was $119,047.

Floriculture in Spain

Consul Robert Frazer, Jr., furnishes the following information concerning the cultivation of flowers in Valencia:

The city of Valencia is proverbially noted for the abundance and variety of its floral products. There are about 80 cultivators of flowers for sale, with gardens of one-fourth of an acre to two acres in extent. The great ease with which flowers are raised appears to militate against careful cultivation and scientific selection, which produce such marvelous results in countries less favored by climatic conditions. Nearly all the surplus flowers grown here are consumed in Madrid, although Barcelona and a few important cities of the interior also furnish large orders for the celebration of religious, civic, and artistic festivities, so that the demand is quite equal to the supply. Very little capital is employed in the trade, and probably the greatest drawback to the development of the industry is the slowness of transportation facilities by sea and land, and the total lack of cool transport cars so essential in hot countries, for the delivery of cut flowers in a fresh crisp condition over long distances.

The flowers most cultivated here are Roses, Pinks, Tuberoses, Wallflowers, Violets, Chrysanthemums, Hyacinths, Jasmines, and Dahlias. Many of these are in season the whole year round in limited quantities, but the natural season for Roses is from September to April, and for Pinks from March to May. Roses are always obtainable, but those raised under the subtropical sun of the Summer months, from May to September, are reputed of little value, as they are deficient in perfume and exceedingly short lived.

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Randolph Avenue, Jersey City, N. J

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

Ferns in Flats

A few extra fine flats of **Cyrtomium falcatum, P. Wimsetti, Aspidium** and Assorted Varieties, at $2.00 each.

300 Harry Fenn Carnations

4c. each, or $10.00 for the lot.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2-8 Duane Street, New York

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Among the Growers

David G. Grillbortzer, Alexandria, Va.

The plant of David G. Grillbortzer is located in the suburbs of Alexandria, Va., on a hill overlooking Hunting Creek, and just to the south of his old colonial home. The establishment at present embraces 90,000 sq. ft. of glass, and three new houses, making an addition of 4,800 sq. ft., are now in course of construction. The new houses are to be used exclusively for Sweet Peas. Four houses are filled with Carnations, the 28,000 plants contained in them being Winsor, Beacon, Dorothy Gordon, rose, light pink and white Enchantress; and several thousand well grown plants are still in the field awaiting delivery to customers in the extreme southern States. Of Poinsettias there are 2800, 500 of which are in pans each containing several, and all are coming on for Christmas sales, in a thrifty condition. Outside in the frames, in pots, are the Sweet Peas for the houses now in course of erection, the varieties including chiefly Florence Denzer, Christmas Pink, and Watchung.



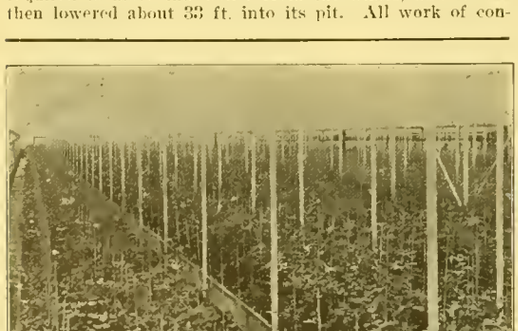
Establishment of David G. Grillbortzer, Alexandria, Va.

There are seven modern and extremely light Rose houses, containing 700 American Beauty, 3500 Richmond, 2000 My Maryland, 10,000 Killarney in white and pink, 3200 Bride and 400 Ivory. These are all growing in cement benches, a little deeper than those used by some of the other local growers, and differently constructed, the slabs being made in a form, dried, and then placed in position; but results are most satisfactory. The Richmond and Killarney, each two-year-old stock, are rested for two months during the Midsummer season, during which time they are kept very dry, being watered only once a week in bright weather, and syringed likewise. On starting the plants, all loose soil is removed from the surface of the beds, and subsequently a mulch of rich loam is applied, filling to original levels. But few of these Roses are on their own roots, the majority being grafted stock. In the houses are, also, a bench of Asparagus plumosus, and a few hundred plants of Asparagus Sprengeri in pots, for own use.

In another range are 2500 My Maryland, cut back some time ago and just breaking; while in four adjoining houses of the same range are Killarneys to be cut back the last week in August.

In bulbs, 2500 longiflorum Lilies are grown for Easter, while for general sales throughout the Winter season 5000 Paperwhite Narcissus and 2000 cold storage Lilies and other bulbs are grown.

On the outside, the 15 acres of land are planted in the main to Lilacs, many of which are grafted and taken in for Winter bloom; there are also planted 1½ acres of the best commercial varieties of Peonies, and a miscellaneous collection of plants. The entire greenhouse plant was formerly heated by steam from three boilers of 60 h.p. each, until this season when but one is reserved to operate a steam pump for manure water, the others having been replaced by a marine boiler of 280 h.p., 24 ft. high, and weighing 35 tons; 24 horses were required to move this boiler from the wharf, and it was then lowered about 33 ft. into its pit. All work of construction and heating is done by the men on the place. The regular working force employed comprises ten men, over whom Adolph Bohr is foreman. There is quite a local demand about Alexandria for the output, but the bulk is wholesaled in Washington, Philadelphia and other markets. At the time your correspondent called Mr. Grillbortzer and wife were absent at the convention, and he is indebted to Mr. Bohr for the many courtesies and information so cheerfully given. JAS. L. CARBERY.



House of Bride and Richmond Roses at David G. Grillbortzer's, Alexandria, Va.

BROOKLYN, N. Y.

Joseph Kirschner, 106 East 2nd St.

Joseph Kirschner came to this country 26 years ago, from Eltville-on-Rhine, Germany, and he has been 20 years in business at his present location. When he first engaged in business here, he could look across the farms to where Prospect Park is now, as there were no buildings to obstruct the view.

The Kirschner range consists of nine greenhouses, heated with hot water, and located on a lot, 350x125 ft. One house is used for early, one for midseason, and one for late 'Mums. Grown this way a whole house can be cleared at once, as soon as the blooming season is over. The 'Mums are grown to produce three blooms to each plant.

Camellia flora Dahlias are grown on the center bench of one house, and in a solid bed of another house, the latter giving the better results. They are giving a good cut of flowers. Some very large plants of Asparagus plumosus are noted in the center of one house, giving now a good cut of greens. The side benches of this house are used for Boston Ferns, which Mr. Kirschner considers the fastest growing of all Ferns, and the best seller.

One house is being made ready for the young Carnation plants, which are growing just outside on the same lot where Carnation plants have been grown for many years; nevertheless, these are strong, stocky plants, free from any sign of disease. Lord and Boston Market are the varieties grown.

Outside also are noted, growing in the open, English Ivy, Vincas, Kaiserin Roses, Hydrangeas, and Euonymus; and a frame of Dracæna indivisa, and another of Ficus elastica in fine condition. The young Pansy and Daisy plants in the frames are making a good showing. Mr. Kirschner evidently loves his work, and seems to have a cheerful and able assistant in his son, William Kirschner.

After the 'Mums are over, 1000 Azaleas and also Spiræas, Deutzias, Roses, and bulbs are forced for Easter, and, later still, 15,000 Geraniums and other bedding plants are grown.

The cut of flowers is handled by Bonnet & Blake, 130 Livingston st., Brooklyn, and the potted plants are easily sold on the premises.

F. Wegner & Sons, 109 E. 2nd St.

The five hot water heated greenhouses of Wegner & Sons' range are located on a lot 100x180 ft., and embrace about 10,000 sq. ft. of glass. One house is used for growing early 'Mums, such as Glory of Pacific, Polly Rose, and Ivory in the two varieties. Another house has Callas on the center bench and Asparagus on the side benches. White, pink, and rose pink Enchantress Carnations are grown in two houses. Some of the young plants are already housed. A few Boston and Scottii Ferns are grown, and Stevia, Callas, and Vincas are grown in outside frames. Lilies and Hyacinths are brought on later, after the 'Mums, and also about 15,000 Geraniums, and other bedding plants. The cut of flowers is consigned to the Greater New York Florists' Association, 162 Livingston st., Brooklyn.

Frank Manker, Gravesend & Greenwood Aves.

As the Manker range is approached attention is first attracted to the artistic, and well-filled show house, facing on Fort Hamilton ave.; back from this, on a two-acre lot, with a frontage on both Gravesend and Greenwood aves., are the fifteen greenhouses of the range, 20,000 sq. ft. of glass.

One house is used for Asparagus plumosus, three for Scottii Ferns, which are in fine condition, and three for pink and white Enchantress Carnations, although, so far, only one house has been filled with young plants. Three houses are used for 'Mums. The 'Mums are grown to produce two to four blooms, and the varieties most used are Golden Glow, Glory of Pacific, Polly Rose, Eaton, Chadwick and Enguehard.

Kentias Belmoreana and Forsteriana fill one large house, are in good condition, and represent all sizes. The center ground level bed of one house is now being planted with young Smilax plants, while Asparagus plumosus is grown on the side benches. The Azalea house is now being used for growing some Vick's Branching Asters, which are producing some nice blooms. 1000 Harrisii Lily bulbs have already been three weeks in the pots, and it is hoped to have them on for Christmas. Fifteen hundred Ficus elastica, outdoors in a frame, part in 6-in. and 7-in. pots and part in the ground, glisten in the sunshine as if they had been oiled, and would be hard to match anywhere. Many Hydrangeas and several varieties of Roses are growing on outside, and will be potted up for next Spring's sales. Several hundred Araucarias also are in outside frames, and seem to be standing the sun well. Going inside again, attention is attracted to a house filled with well-grown specimens of Boston and Scottii Ferns in 8-in. pans. Mr. Manker is assisted in his work by his son Philip Manker, who was in attendance at the S. A. F. Convention at Rochester. The cut of flowers is consigned to the Greater New York Cut Flower Association.

John Condon

Mr. Condon has three establishments: one at Gravesend ave., a second at Fort Hamilton ave., opposite Greenwood Cemetery, and a third at 24th st. and Fifth ave., near the main entrance to Greenwood. The business was established a quarter of a century ago.

At Gravesend ave. there are nine greenhouses and a nursery of ornamental shrubs and shade trees, covering three acres. Three houses are used for 'Mums, of such varieties as to cover the whole season; another for Lilium multiflorum in pots; three others for branching Asters; and two for Boston Ferns. The Asters and Lilies are now in bloom, and the 'Mums are in an advanced state of growth, promising early blooms. Many pot 'Mums are also grown. Outside, there is a large area covered by coldframes. Seventy-five thousand Alternantheras, 75,000 or more Pansies and 40,000 Geraniums are grown here each year. Mr. Ahearn is in charge of this establishment.

At Fort Hamilton ave. there is a large and artistic show house filled with Ferns, Palms, and other fine specimens of decorated plants. Besides this, there are seven large greenhouses. At present, one house has some fine plants, now in bloom, of the Camellia flora Dahlia, a white Dahlia, very floriferous, and much used for funeral work. These are growing in a solid center bed, while the side benches are used for Ivory 'Mums. Another house is used entirely for 'Mums, late ones on center bench, and potted 'Mums on side benches. In another house Asters now in bloom are in center benches, with Poinsettias now in 4-in. pots on the side benches. The propagating house also is filled with smaller potted Poinsettias, to which much attention is paid at this range, and which are in fine condition.

To show how much use can be got out of a greenhouse during the year, the following statement of Fred Wilshire, the foreman in charge of this range, may be of interest. It is as follows: "The Asters which are now in bloom will be followed by Poinsettias in pots, plunged in the soil in which the Asters are now growing. The Poinsettias will make 6-in. pot plants by Christmas. After the Poinsettias are over, some fertilizer is dug in and Stocks, brought on in pots, are planted; and after the Stocks are over the same house is used for bringing on bedding plants for Spring use."

Early 'Mums are followed by Sweet Peas, and late 'Mums by Lilies. Twenty-five thousand Coleus are grown. The different varieties of the Enchantress Carnation fill one house.

The main office and store, where most of the funeral orders are made up, are at Fifth ave. and 24th st., near the main entrance to Greenwood. Here Frank Fries is in charge. Here, also, there is a handsome, and well-filled show house and fifteen other greenhouses. Several of their houses are filled with fine Kentia and Areca Palms, in large sizes; others with Ferns, a number with 'Mums, and assorted plants. Some houses are being used for the young Alternanthera plants, which are now being propagated at all of the Condon ranges. Coleus at this range also are grown to the number of 35,000.

The plants in this range and in all the Condon ranges show good culture, and careful attention, and consequently there are satisfactory results. Any surplus of flowers is sent to Bonnet & Blake. The flowers and plants, however, are mostly used for the Greenwood Cemetery trade.

H. B. Williams, Baldwinsville, N. Y.

Accompanied by my old friend Walter Mott, of the Yuess Gardens Co., Newburg, N. Y., I spent a most enjoyable two hours recently inspecting H. B. Williams' twenty-five acres of Asters. Mr. Williams' reminiscences of his early struggles in growing Asters were most interesting and illustrated very clearly what perseverance combined with intelligence will accomplish. He is an old subscriber of the EXCHANGE, and considers it par excellence.

In my notes concerning his Asters last year I mentioned the marked absence of disease, and it is conspicuous by its absence this year, despite the excessive heat and long continued drought. The whole place is the picture of neatness, and the plants are healthy and vigorous. What impressed us both was the remarkable purity of his strains; in the whole lot we could not count a dozen mixed plants. Between each block rows of Corn are planted, and this tends to keep the strains true.

Among so many good things seen it was hard to particularize, but I was greatly impressed with the magnificent blooms of the following varieties: White Fleece, Lavender Gem, Royal Purple, Pink Crego, Purity, Violet King, Mary Semple, Lavender Branching, Daybreak, White Branching, Pink Beauty, Carlton's Pink, Crimson Branching and many others.

Mr. Williams grows good Muskmelons too—we sampled them and know. H. Y.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of New England. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

EST. 1874 **Jno. V. Phillips** — BROOKLYN, N. Y. — FLORIST — 272 Fulton Street — Telephone, 319 Main

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, **CINCINNATI, O.** — Fourth St.

Frank F. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders Long distance telephones.



Bridesmaid's Bouquet

Composed of Roses and Adiantum Farleyense

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

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Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
California	Sept. 3	9.00 am.	W. 24th St., N. Y.	Glasgow
Minnewaska	" 3	9.30 am.	W. 16th St., N.Y.	London
K. Aug. Victoria	" 3	10.00 am.	1st St., Hoboken	Hamburg
Caroola	" 3	10 00 am.	W. 14th St., N.Y.	Liverpool
St. Louis	" 3	10.00 am.	W. 23rd St., N.Y.	Southampton
Baltic	" 3	11.00 am.	W. 21st St., N. Y.	Liverpool
Vaderland	" 3	11 00 am.	W. 18th St., N. Y.	Antwerp
Duca d' Aosta	" 3	12.00 m.	W. 34th St., N. Y	Naples-Genoa
Birma	" 3	2.00 pm.	Bush Dks. Bklyn	Rotdam-Libau
Chicago	" 3	3.00 pm.	W. 15th St., N.Y.	Havre
Madonna	" 3		31st St., Bklyn	Naples
Patria	" 3		Pier 22, Bklyn	Piraeus-Kal'm. Patras
Montevideo	" 5		Pier 8 East River	Cadiz Barcel'a Genoa-Naples
Ka. Wilhelm II.	" 6	10.00 am.	3rd St., Hoboken	Bremen
Noordam	" 6	10.00 am	5th St , Hoboken	Rotterdam
Lusitania	" 7	9.00 am.	W. 14th St., N. Y.	Liverpool
Bleucher	" 7	1.00 pm.	1st St., Hoboken	Hamburg
Oceanic	" 7	3.00 pm.	W. 21st St., N. Y	Southampton
La Provence	" 8	10.00 am.	W 15th St., N.Y.	Havre
Pr. F'd'k Wilhelm	" 8	10.00 am.	3rd St., Hoboken	Bremen
Verona	" 8	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Panonia	" 8	12.00 m.	W. 14th St., N. Y.	Gib-Nap-Tr'ste Fiume
Mendoza	" 8	12.00 m	Bush Dks, Bklyn	Naples-Genoa
C. F. Tietgen	" 8	2.00 pm.	17th St. Hoboken	Copenhagen
P. di Piemonte	" 9	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Cleveland	" 10	9.00 am.	1st St., Hoboken	Hamburg
Minneapolis	" 10	9.30 am.	W. 16th St., N.Y.	London
New York	" 10	10.00 am.	W. 23rd St., N.Y.	Southampton
Koenig Albert	" 10	11 00 am.	3rd St., Hoboken	Gib-Nap-Genoa
Laplaud	" 10	11.00 am.	W. 18th St., N. Y.	Antwerp
Celtic	" 10	12.00 m.	W. 21st St., N.Y.	Liverpool
Turcssia	" 10	12.00 m.	W. 24th St., N.Y.	Glasgow
San Giovanni	" 10		Pier 22, Bklyn	Napls-Palrmo
K'r W. d. Gr'sse	" 13	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 13	10.00 am	5th St., Hoboken	Rotterdam
America	" 13	11.00 am.	W. 34th St., N. Y.	Naples-Genoa.
Campania	" 14	9.00 am.	W. 14th St., N. Y.	Liverpool
Deutschland	" 14	2.00 pm.	1st St., Hoboken	Hamburg
Argentina	" 14	1.00 pm	Busb Dks, Bklyn	Napls - Trieste
Pres. Lincoln	" 14	3.00 pm.	1st St., Hoboken	Hamburg
From Boston				
Cymric	Sept. 6	12.00 m.	B & M Dks. Char	Liverpool
Philadelphian	" 9	2.00 pm.	B & M Dks. Char	London
Saxonia	" 13	4.00 pm	B&H Dks, E. Bos	Liverpool
Devonian	" 14	5.00 pm.	B&H Dks, E Bos	Liverpool
Numidian	" 16	9.00 am.	Mystic Whf Char	Glasgow
Philadelphia				
Mongolian	Sept. 3		24 No. Wharves	Glasgow
Verona	" 7	11 00 am.	80 So. Wharves	Naples - Genoa
Merion	" 10	10.00 am	53 So. Wharves	Liverpool
Manitou	" 16	10.00 am.	55 So. Wharves	Antwerp
Friesland	" 17	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 17		24 No. Wharves	Glasgow
San Francisco				
Nippon Maru	Sept 6	1.00 pm.	1st Street	Honolulu
Siberia	" 13	1.00 pm.	1st Street	Japan
China	" 20	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill

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Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wireme your orders.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders: they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 444-445

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New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale.
GREEN MOSS, $1.25 per barrel.
Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.
SMILAX, 50 lb. cases, $6.00.
PINE, 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

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CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000
Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Rupinge made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocos Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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Natural and perpetualed. Orders booked now for future delivery.

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LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

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Prices Advertised in these Columns are for THE TRADE ONLY

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



Elberon (N. J.) Hort. Society

The annual outing and clambake of the Elberon Hort. Soc. took place on Wednesday, August 24, in the Port-au-Peck Grove, Long Branch, N. J. As the weather was fine, the members with their families and friends turned out well, and everybody enjoyed a good day's fun. Much interest centered on the games, which were played in the afternoon. The baseball game was won by the single men, score 3-1, and the tug of war by the married men. The most exciting race was the sack race for ladies; some wonderful stunts were seen during that race, and Mrs. Rudloff won out. About 5 o'clock all were seated at the tables, 80 altogether, and enjoyed a well prepared bake. The return home was by moonlight.

A. FLEMMING.

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Hartford, Conn., Sept. 22-23, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society. Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

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Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15.00 or more

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CASTORLAND, N. Y.

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For sale by all Supply Houses.
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Wholesale Commission Florists
Dealers in Fancy Ferns
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We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

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PHILADELPHIA, PA.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Week's Work

BY

FRITZ BAHR

The Rochester Convention

About the Great Trade Exhibition

If you attended the Rochester convention you can appreciate what it meant in regard to the trade exhibits; and if you didn't attend, you're money out of pocket. Never before was there anything like it. What an exhibition of that kind really means, in dollars and cents, to the progressive man, it is impossible to estimate. One is able to record all the proceedings of the meetings of the convention, and print in the trade papers the lectures delivered, and, perhaps, make some of them more digestible to many; but a mere description of the various exhibits will never do justice to what has been displayed; it must be seen in order to be appreciated. Outside of the convention the Rochester show was worth all the car fare and expenses, no matter where you live, and I consider it the most important part of the convention, more instructive and valuable than anything, especially to the florist who conducts a business miles away from the larger cities. If any of the exhibitors deserve more credit than others it is my opinion such larger credit should go to the seedsmen and supply houses; the showing of both was certainly remarkable; the splendid assortments of fine bulbs, and the complete display of everything necessary in the supply line in order to conduct an uptodate business, should entitle every one of the exhibitors to a full share of your patronage.

The Lily Question

Of Great Importance to Many Growers

I never saw a finer lot of Lily bulbs than was shown at the Rochester convention; they certainly did not look as if they would produce diseased plants. It was a great temptation to make one buy, because there is'nt another flower, perhaps, which we grow from a bulb, of more importance than the Lily. In the eighty's the writer forced many thousands of Harrisii for the New York market, without ever knowing what disease in the plants meant; but the day came when over 60 per cent. of the contents of a 125 ft. house found their way to the compost heap before they ever had a chance to bloom. Then came along the Japanese grown longiflorums and, while successful, there isn't a year when something does not happen, entailing a greater loss of the plants than there ought to be, even when we give the plants the proper care, that is, as far as our knowledge extends. New strains, under good and important sounding names are being constantly introduced, varieties with long, narrow and short broad leaves, light and dark brown as well as black stems. We have given many of them a trial, but the best results we ever had were obtained last season with a lot of bulbs which came from some island south of Japan, where the Formosa strain hails from; and, while grown on different islands, I am under the impression that the assertion made that these bulbs are all sold under the name of "Formosa," is correct. Fully 90 per cent. of the bulbs we grew produced good plants; planted at the same time and receiving the same treatment, the first plant bloomed Feb. 10, and the last April 16, but the last plant coming into bloom was as good as the first. Give this strain a trial; Easter comes late next year, and no one will have trouble in getting the plants into bloom for that important festival.

The Palms

Get a Good Supply Ready for the Coming Season

There are but very few retail growers who attempt growing their own stock; it is easier and far cheaper to let the specialist do it. What he doesn't raise himself he imports in large quantities from the other side. The few we need each year would cost much more to grow than the price we can buy perfect specimens for; and as October usually is the month when the call for decorative stock begins, it isn't any too early to lay in a good supply of salable plants of all sizes and the sooner you have a good display on hand the better. One can't very well overstock on good Palms, if at all. Taken care of they will increase in value right along. Palms can now be shipped by freight, most anywhere, if properly packed. Most of the imported stock, and even some of the homegrown, comes in small wooden tubs. There is nothing better for decorative purposes than the wooden receptacles, but in most cases a shift into larger quarters will not only help the plant but make them more attractive. Give the new arrivals a good place; don't place them among some old scale or bug covered plants, but provide clean, attractive quarters for them, where they will show to their best advantage.

WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

of choicest qualities, and are enabled to supply large and small sizes in any quantity. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples cheerfully sent upon application.

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CHAS. W. JACOB & ALLISON, 18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS, RAFFIA, BARK CLOTH, ETC.

Please mention the Exchange when writing.

Mignonette

Planting Out Small Stock

The early sown stock is ready now to be planted out on the bench, out of the 2½'s. Give the plants 12 inches each way, at least. Be just a little careful when removing the stock from the pots, for Mignonette is one of the things that doesn't like being disturbed much about the roots. If there are 3 to 4 plants in each pot, let them remain together for the present; after a few days in the bench, remove the weak plants, selecting the strongest to remain and as soon as this one reaches the height of about 3 in. or 4 in. pinch it back to about four leaves, this will then give you a nice branched plant to start with next month. Seed for January blooming may be sown out any time now. As with Sweet Peas, it doesn't hurt a bit to have always on hand a nice batch of small plants ready for benching during the next four months, they may come in very handy. However, don't keep them too long in the little pots, as they soon would go to the bad. When once ready for planting out and not shifted it is far better to sow out a new batch and throw away the others.

Propagating

A Few Plants Which Can Be Propagated Now

There is no better time than the present for propagating a good number of the variegated and green Vincas. These plants if kept growing and pinched back several times, will make the very best of material for windowboxes, vases and hanging baskets next Spring. Don't use the soft tips of the field stock for propagating, with those the percentage of loss is too great. Go back a little and get two eyes of the harder wood, and every one will root. Flats of convenient size and about 3 ins. deep will allow one inch of soil in the bottoms, with a layer of nearly two inches of coarse sand on top. Give the cuttings about one inch of space between them and they can stay in these flats until the Ivory and Bonnaffon 'Mums, give you bench room next November. Among other things which can be propagated now I might mention Ampelopsis Veitchii, the Boston Ivy. Cuttings of wood which isn't too soft, will root nicely now. Keep the flats on the benches you place the cuttings in a little shaded, and the house they are in as cool as possible. English Ivy, also, may be propagated now. There are but few retail growers who ever have enough of them. Marguerites propagated now will make excellent stock for early Spring blooming. If you have a few old stock plants out in the field use them for cuttings; the flowers on them now are not of much account anyway, and they will soon furnish another crop of cuttings.

The British Columbia Florists' and Nurserymen's Association

At a meeting held on August 9 in Victoria, B. C., an association to be known as the B. C. Florists' and Nurserymen's Association was formed to further the interests of the florists and nurserymen of the Province. The local branch of the organization is to be known as the Vancouver Island Florists' and Nurserymen's Association. At the meeting of the local branch, which was held prior to that of the parent organization, A. J. Woodward, of Victoria, was elected president of the two divisions of the association, with H. Callow as secretary. H. Tidy, of New Westminster is secretary of the parent branch.

The Vancouver Island Association selected a committee to draw up a constitution for the new organization. A. J. Woodward, A. C. Wilson, of Nanaimo, and L. Russell were chosen as delegates to the first B. C. F. & N. A. meeting to be held in Vancouver on August 18, at the exhibition buildings. A delegation will also be appointed to interview the government relative to the work of the association at the next meeting.

The formation of this organization is an entirely new movement in the Province, British Columbia being the last to form an association of this kind.

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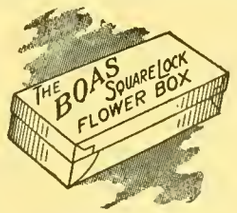

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You can't expect to work up trade shipping in Paper Boxes, without using

Binley's Cut Flower Holder

No smashed boxes and bruised flowers wherever they are used.

Send Postal Card for samples and price list, stating size of boxes used.

Patented in the United States. Canadian Patent applied for.

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If you weren't at the CONVENTION you didn't see the

Binley Cut Flower Holder

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Save Express Charges for Your Customers

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NEW YORK, August 31.—The conditions in the cut flower market to-day are not changed from those of one week ago. The supply of all flowers, with the possible exception of Gladioli, has increased moderately, while the demand has apparently fallen off somewhat. It is difficult to maintain even present prices, and in the case of some flowers it is found to be impossible.

American Beauty Roses are more plentiful to-day, especially those grading from extras down to No. 3. The demand is far from brisk. Specials are selling at from 15c. to 20c. each. A moderate, but increasing supply of Killarney, especially the pink, and of My Maryland, Richmond and Bride is arriving. The supply of Kaiserin is about the same. Very few blooms of Bridesmaid are in evidence. The quality of all except Bride and Bridesmaid is improving. The highest price obtained for best blooms is 5c. each for Killarney, My Maryland and Kaiserin, 3c. each for Richmond, and the same for Bride in extra grade.

There are no Carnations in the market worth mentioning. The best of the few offered sell for $1 per 100

The supply of Orchids is very short. The demand is a trifle stronger, but the price is unchanged, the best Cattleyas selling for 60c. each. Only a few of the first offerings of Gardenias are seen and the best of these sell slowly at $1.25 per dozen. Lily of the Valley is most plentiful, and the movement slower. Even the best blooms in most sales bring no more than $2 per 100, though some fancy stock is bringing $3 per 100 in small sales. With a more abundant supply of Lilies and a smaller demand, the prices of last week cannot be maintained and to-day 6c. each is the top price.

The supply of Asters is very abundant. Many good blooms are seen, and the sales of these are very large. The best blooms in the larger sales bring $2 per 100. A few extra choice blooms in small quantities realize $3 and even $4 per 100, but these are exceptional cases. The poorest blooms sell for 25c. per 100, or even go to the barrel. Gladioli are not quite so plentiful to-day. Large sales of them continue at low prices. $1 per 100 for the best is the figure in most sales, but a few choice varieties realize $1.50 per 100. The brilliant colored showy Tritoma is more abundant, and of excellent quality, but it is not able to get above the $1 per 100 mark.

The supply of greens of all kinds is large, and the movement sluggish. It is difficult to speak definitely of the price when so few sales are effected, but they are very nearly as follows for the best of each; Adiantum, 50c. per 100; Asparagus 10c. to 15c. per bunch, Smilax, $1 per dozen strings, for the best of each. Much of the Smilax seen is of very poor quality.

PHILADELPHIA, Aug. 29.—Conditions in the cut flower market this week show very little change from last week. A few Dahlias are coming in, some of which are of very good quality; and the supply of Carnations has increased slightly.

The supply of American Beauty Roses has increased, but the stock is selling well, the sales being helped by the fact that the increase is chiefly in the better grades, which are more easily disposed of; specials are bringing from 20c. to 25c. each, and a clean up is easily effected.

The supply of all other varieties of Roses remains about the same, and the quality of all is improving somewhat. The best blooms of Killarney, Bride and Bridesmaid are selling for 6c. each, Richmond 4c. My Maryland and Kaiserin 8c. The lowest grade of blooms in all of these is selling for 2c. each, and in order to effect a clean up many sell for one half or even one-quarter that figure.

A very few white Carnations from old plants, of exceptionally good quality for the season, are realizing as high as $1.50 per 100; but other blooms now received are either from outdoor plants or are the short stemmed offerings from the new plants, the best of which are selling for $1 per 100. The entire supply is so small that it is easily taken up by the buyers.

There is an increasing supply of Gardenias, and a somewhat better demand. The prices remain unchanged, $1.50 per dozen for the best blooms.

Orchids are exceedingly scarce and the moderate demand is not satisfied; the best Cattleyas are selling for 75c. each.

The supply of Lilies is not as large as last week and, as the demand is about the same, they are selling up closely, and prices are firm at $1.50 per dozen for the best blooms, with 8c. each for the poorest.

The Lily of the Valley now coming in is of good quality, and it is selling up more closely than any other flower now arriving. The prices are firm at $4 per 100 for the best blooms and $2 per 100 for the lowest grade.

Asters are very abundant. It is nearly the same story as last week; the poor grades of blooms find small favor with buyers, and many are slaughtered to make a clean up, even then the aid of the barrel is required; but the sales of the better blooms is large, although with a a tendency to lower prices; $2 per 100 is the top notch price for the best Asters today.

Gladioli are not so much in evidence, but they have come to be one of the recognized Summer flowers, and meet with a steady sale. The best blooms to-day sell for 6c. each, and the poorest for 2c., or even less.

The market is overloaded with Adiantum, and there is more than enough Asparagus, with plenty of Smilax. Under these conditions there is no such thing as a clean up of greens, or an advance in price.

CHICAGO, August 30.—While there is a slight change for the better in the quality of stock, prices practically remain the same.

Roses are certainly improving daily, in all varieties, American Beauty, both medium and long stemmed grades, is all that could be expected at this season. Some exceedingly fine Killarney, both pink and white, Kaiserin and Richmond are arriving, and while the quantity is not so great there is enough for the Summer demand. What few field Carnations are cut are not worthy of mention; the flowers are lower in quality than for years.

Asters are a most desirable flower at present, and the quality is better than earlier in the season. Some especially good whites are to be had, which are used extensively for funeral work; while in a few instances the extra fine flowers command 5 and 6 cents, the most are sold at from 2 to 4c. Gladioli are still plentiful; they are erratic in their movements, some days being in good demand, other days lagging; the fancy kinds, however, are not difficult to dispose of and are bringing a fair price.

Some Chrysanthemums, Golden Glow, continue to arrive, but the demand is not increased. Tritomas, a few Daisies, plenty of Hydrangeas, Rudbeckia Golden Glow, some Tuberoses, and a few miscellaneous flowers are noticed. Lilies are still popular, especially Harrisii, which is receiving more favor than auratum. Some good Lily of the Valley is beginning to make its appearance, but the call for it it slight. Orchids are very scarce as yet, but the prospects are that a few more weeks will find both supply and demand better than at present.

Plenty of green stock, and good stock at that, is to be had. Wild Smilax is receiving marked attention in this line.

INDIANAPOLIS, August 30.—It was funeral work which upheld the flower business throughout the past week. Counter and all other lines of trade were decidedly quiet, and the better grades of flowers were disposed of only with difficulty at market prices. The weather remains cool and favorable to counter trade, but so many of the better class are out of the city that there is no use to cater to that line at present.

Carnations are becoming more plentiful each day, but few of them have stems over ten inches in length. The wholesale price varies from $1 to $2 per 100; the retail, 25c. to 35c. per dozen.

The home supply of Roses is light at present and is constituted principally of Bridesmaid and Bride, at $2 to $4 per 100. Good Killarney is shipped in at $6 to $7 per 100; American Beauty at $5 to $20 per 100. The general retail price for Tea Roses is 75c. to $2 per dozen; for American Beauty $1 to $6 per dozen. L. auratum the same figure; and L. rubrum at $6 to $7 per 100 are still numerous and much used for funeral work.

Small flowers for corsage bouquets are lacking, and it is sometimes a great question to find a satisfactory flower for that purpose, as there are no Orchids, Sweet Peas, Violets, etc., and which are constantly looked for by the trade. The conservatories are well filled with ferns and foliage plants, but blooming plants are a rarity. I. B.

BOSTON, August 30.—The market for a week has not been quite as good as it has been for the past two weeks, and prices have lowered somewhat. There are more flowers coming in now, and the quality is improving. Roses are not over abundant yet and good grades arriving are bought up quickly. The flowers are still small but the stems are a little longer and the foliage is clean and healthy.

There are quite a few more Carnations this week, and prices for them are good. Asters are very abundant and of fine quality, but prices have dropped somewhat from those of last week.

Lilies are good and the demand is fully up to the supply. Orchids are rather scarce, but there are a few more around than there have been for several weeks. Green stock is quite plentiful.—R. C.

ST. LOUIS, August 29.—The cut flower trade last week was reported as fairly good, though the work was mostly for funerals. All other kind of work has been extremely scarce all Summer. The market is shaping itself now for the opening of the Fall and Winter season. Most of the retail stores are through furbishing up, and all the commission houses are putting the finishing touches to their improvements which give them double the room they had last season, and they will be in shape to handle all their consignments and supplies in a better manner.

Stock of all kinds is improving as to quality. The market is now receiving Roses, Carnations, Tuberose and Gladioli spikes, and a fairly good supply of Asters. Prices have not changed, and from the last report greens of all kinds are in plenty and good sales are reported.

ST. PATRICK.

FINDLAY, O.—Miss Laura Miller has leased the room recently vacated by Stillberger's barber shop, and will open a plant and flower store in the near future.

SPRINGFIELD, MASS.—The cut flower establishment of D. Wm. Brainard, which has been located on Pease st., is being transferred to the site of the Brainard Floral and Nursery Co., on Springfield st., for the purpose of concentrating both departments.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
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Growers not acquainted with our methods will find it to their advantage to do business with

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Marriage Proof Cashier Wanted

According to a despatch to the New York Herald from St. Louis, Mo., three of the prettiest of twenty-five applicants in answer to an advertisement for an "ugly cashier" were selected by Vince J. Gorly, proprietor of the business of Grimm & Gorly, florists. One of the three finally will be chosen for this job.

Mr. Gorly, says the despatch, said that some of the applicants were "frights," others were beautiful, and nearly all declared they had overlooked the word "ugly" in the advertisement. "We didn't want a 250-pound cashier," said Mr. Gorly, "and we really didn't care for one with all her teeth gone. We had several applicants who will fill both descriptions. My idea in advertising for an ugly cashier was to get one who did not have such great personal charms that she would be proposed to by the first unmarried customer who happened to spy her. How did I get by with the impossible ones? That was easy. One must have weighed 250 pounds. I asked her if she was sure she could qualify in the 'ugly' class. She declared she had not noticed the word 'ugly' in the advertisement, and I assured her she was entirely too good looking. That was why she went out with a smile on her face. Finding it worked in the one case I used it right along." The firm says that within the last year they have had five pretty cashiers, all of whom quit to marry.

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A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

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Best prices. Prompt payments.
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Wall space for advertising purposes to Rent.
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Violets, Roses, Carnations, Orchids
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Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	1.00 to 2.00
Killarney	.25 to 5.00
White Killarney	.25 to 5.00
My Maryland	.75 to 5.00
Richmond	.50 to 3.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.10 to .15
Sprengeri, bunches	.10 to .15
Asters	.25 to 3.00
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.... to ....
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .50
Standard Varieties: White	.50 to 1.00
Standard Varieties: Pinks	.50 to 1.00
Standard Varieties: Red	.50 to 1.00
Standard Varieties: Yel. & Var.	.50 to 1.00
Fancy (The highest grades of Sta'd varieties): White	.... to ....
Fancy (The highest grades of Sta'd varieties): Pinks	.... to ....
Fancy (The highest grades of Sta'd varieties): Red	.... to ....
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.25
Gladioli	.50 to 1.25
Hydrangea	1.00 to 2.00
Lilies, Harrisii and Longi.	5.00 to 6.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.25
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.... to ....
Tritoma	.... to 1.00
Tulips	.... to ....

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Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments. Give us a Trial

New York

Marshall Clarke, of David Clarke's Sons, 2139 Broadway, has just returned from the Thousand Islands where, with his family, he has been passing his Summer vacation. The Clarke firm has been in business sixty years, ten years in its present location. Mr. Clarke thinks that the outlook is favorable for a good season for the florists. Among other things, he mentions the increase of telegraphic and steamer orders, and the small number of outstanding accounts. He believes that though the florist's profit may be less now than in the past, the opportunity to increase the volume of business is greater. Mr. and Mrs. Gilmore Clarke are taking a vacation trip through different parts of Maine and the White Mountains. Gustave Kopper, superintendent, and his family, have just returned from their vacation at Nassau, N. Y.; and Fred W. Lentz, the buyer, and his family, are on a vacation up the Hudson, while George Lentz, Jr. is spending all of his spare time at home admiring his first baby, George Joseph Lentz, who was born Aug. 5, and weighed twelve pounds.

At Ehmann's Flower Shop, 2122 Broadway, the annual Summer cleaning is going on. This store is unique as regards its personal equipment. The business is carried on by the father, wife, daughter and two sons, "family of florists, every member an artist." Ehmann's Flower Shop has a general business in cut flowers and design work, and gives especial attention to window boxes and similar work.

C. Drakos has removed from 2033 to 2023 Broadway.

Daniel J. Mackintosh, 1539 Broadway, is spending his vacation at Arverne, L. I., where he has a Summer cottage.

Arthur Merritt, decorator for M. A. Bowe, 1294 Broadway, has been on a vacation in Sullivan Co., N. Y.

Fred Moore, the Violet grower at Red Hook, N. Y., recently purchased a new Buick automobile, which he will use for both pleasure and business.

B. S. Slinn, Jr., Coogan Building, West 26th st., is away on a ten days' trip among his growers in Rhinebeck, Providence and elsewhere.

It may now be stated on the best of authority that the rumor which has been going the rounds of the wholesale cut flower district for several weeks to the effect that three brothers of a well-known name would soon open a wholesale cut flower store on 28th st. is entirely without foundation.

Frank Valentine, 150 East 110th st., who, it will be recalled, gave last Spring a "walk," followed by refreshments to 780 little boys and girls in his neighborhood, is now engaged not only in the wholesale and retail florist's business, but also in the manufacture of artificial flowers.

A. M. Henshaw, William Jurgens, C. W. Scott, and Herman Warendorff were recently the guests of C. H. Totty, Madison, N. J., and also called on Robert Schultz. They found the plants in both ranges of greenhouses in excellent condition. The 'Mums at Totty's range are looking exceptionally well, and promise a fine cut of blooms, which will be handled by Henshaw & Fenrich, 59 West 28th st.

Horace E. Froment, 57 West 28th st., has returned from his vacation at Saratoga and Lake George. James Coyle, manager for Mr. Froment, is sick, and unable to attend to business.

The work on the building at 45 West 28th st., a part of which is soon to be used by William Ford as a wholesale cut flower store, is being vigorously pushed, so that Mr. Ford may begin to get in the store equipments directly after Sept. 1.

E. J. Bush, of the Ellenwood Greenhouses, Hatboro, Pa., was recently in town as the guest of George Saltford, 129 West 28th st.

The Brooklyn Times of Aug. 27, publishes a portrait of Mrs. J. V. Phillips of Brooklyn, the newly elected president of the Ladies S. A. F., and directs attention to the fact that this is the first time the honor has fallen to an Eastern woman.

Frederick W. Kelsey, the well-known nurseryman of this city, who has recently returned from an exteuded trip to the Canadian Rockies, Alaska, Pacific Coast and the Yellowstone Park, says that the ravages of the forest fires throughout the Northwest are alarming in extent. "From my personal observation," said Mr. Kelsey, "in more thau 8000 miles of travel from Montreal to Vancouver, through Puget Sound, on the Columbia River and other sources of our National timber supply, I am impressed with the imminent danger of a lumber famine in this country before many years, even should a recurrence of the present forest fires be prevented." Mr. Kelsey has been appointed by Governor Fort one of the delegates to represent New Jersey at the National Conservation Congress, St. Paul, Minn., next week.

Boston

There is a much larger supply of flowers this week, and the quality is much better. This condition of things is not due to the fact that we have had more moisture, but simply because the weather has cooled off somewhat. The continued drought is still with us, and shrubs and trees are beginning to suffer badly. We hope rain will come soon, as Fall planting of evergreens and herbaceous plants is in order now. The short Spring did not give much opportunity to nurserymen to do all the work they wished, so we hope we shall soon have copious rains to soak the ground, to give these men a chance to do a good business this Fall.

There is an immense quantity of fine Asters coming to market now. The late varieties have flowered well this season and there is very little complaint about disease.

The retail stores are beginning to show more life, and better window decorations, with better material, are to be seen now. Wax Brothers always keep a fine display in their store windows on Tremont st., and this week it looks unusually well. Some of the flowers they have on exhibition are Chrysanthemum flowered Sunflowers, Gardenias, Cattleyas, Lily of the Valley, Bouvardia Humboldtii, Salpiglossis, Gladioli and Water Lilies.

Thomas Galvin's Tremont st. store windows are looking exceptionally well this week. Prominent in his display has been a fine vase of a rare Chinese shrub, which attracted much attention. Buddleia variabilis was the name of this novelty. Several vases of a very fine white Gladiolus were very attractive. Aralia Veitchii, in 6" pans, was very pleasing; and pans of Asparagus plumosus were very nicely displayed among the flowers.

The sale of stalls at the Boston Flower Exchange, Inc., which took place last Saturday, was one of the most successful that has ever taken place in this city. The sale was largely attended and the demand for the best stalls was greater than ever before. Handsome prices were realized, and there were twenty-eight stalls which sold for $100 each and over. The whole of the sales amounted to between $7000 and $8000, and the management and stockholders feel very much pleased with the result. The two highest priced stalls went to Peirce Brothers, Waltham, and Thomas Roland, Nahant, each paying $130. A few of those who secured high priced stalls were: J. A. Budlong & Son, Providence, R. I.; A. Christensen, Stoneham; E. Sutermaister, Hyde Park; Montrose Greenhouses, Montrose; W. C. Ward, Quincy; Neilson & Johnson, Framingham; Wm. Nicholson, Framingham; Kidder Brothers, Lincoln; J. T. Butterworth, South Framingham; S. J. Reuter, Westerly, R. I.; N. E. Boyle, Malden; John Fee, Jamaica Plain; Wm. Sim, Cliftondale; Paul Richwagen, Needham; Mann Brothers, Randolph; Geo. Buxton, Nashua, N. H.; S. J. Goddard, Framingham.

W. H. Vose of Hyde Park has an excellent crop of late Asters; his Gladioli are also very well grown, and his cut at this time is very heavy.

Walter H. Knapp of Newtonville is sending to market a lot of Chrysanthemum flowered Sunflowers, for which he finds a ready market and which the retail stores are using very liberally in their windows at this time. He is also cutting a lot of good Cosmos.

S. J. Goddard of South Framingham is sending to the Boston Flower Exchange some nicely grown Whitman Ferns for which there is quite a little demand at this time.

The largest shipper of Carnations this week to the market is W. D. Howard of Milford. His flowers look exceptionally well considering the earliness of the season. The color of the flowers is quite good although the stems have not yet attained their full length. The varieties he is shipping now are Harry Fenn, Fair Maid, Winsor, Enchantress, Beacon and Pink Delight.

Peirce Brothers of Waltham have begun this week to ship their Cattleya flowers. They have a very large crop of well grown Asters and 12,000 are sold daily at good prices. They are also sending to market some very fine Lilies, which realize very good prices at this time.

Robert O'Connor of M. E. Tuohy of South Boston is away in Maine, on a two weeks' vacation.

H. H. Rogers has a splendid crop of Asters and his white varieties are the best whites seen for some time; they have stems close on to three feet in length.

James Farquhar of the R. & J. Farquhar & Co. has been on the sick list for the past two weeks, but it is pleasing to report that he is again at business.

John K. M. L. Farquhar, and John A. Pettigrew, superintendent of the Boston Parks, have been spending the week end in the mountains of New Hampshire.

Elijah A. Wood has left for Chicago, and all heartily wish him much success in whatever he undertakes there.

The garden committee of the Mass. Hort. Soc. visited the estate of George E. Barnard of Ipswich this week, and reports that the estate is very much improved since last year, and is among the finest in Massachusetts now.

The Fiske Seed Co. has a fine display in its window of Colchicum autumnale. Some of the bulbs are in bloom now and to be of any use should be planted as soon as possible. They had also a fine lot of flowers of rare Gladioli, which made a grand show.

William Patterson of Quincy is cutting some very good Cornflower, for which there is a very good demand.

John Foot of Reading is growing some very fine Bouvardia Humboldtii and it sells on sight. This is a fine thing and more of it should be grown.

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Aug. 29, 1910	Pittsburgh Aug. 29, 1910	NAMES AND VARIETIES	Boston Aug. 30, 1910	Detroit Aug. 29, 1910	Cincinnati Aug. 29, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	20.00 to 25.00	..... to 10.00
15.00 to 18.00	12.50 to 15.00	" extra	10.00 to 15.00	16.00 to 20.00	..... to .....
10.00 to 12.00	6.00 to 10.00	" No. 1	3.00 to 8.00	10.00 to 16.00	..... to .....
4.00 to 6.00	..... to 4.00	" No. 2	..... to	4.00 to 8.00	..... to 2.00
4.00 to 6.00	2.00 to 8.00	Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
4.00 to 6.00	3.00 to 8.00	White Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
..... to	2.00 to 6.00	Bride and Bridesmaid	1.00 to 3.00	3.00 to 6.00	..... to .....
..... to	2.00 to 8.00	My Maryland	1.00 to 6.00	2.00 to 6.00	..... to .....
2.00 to 6.00	2.00 to 8.00	Richmond	1.00 to 4.00	3.00 to 6.00	..... to .....
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	3.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	.75 to 1.00	1.00 to 1.50	..... to .....
20.00 to 30.00	20.00 to 35.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 40.00	..... to .....
20.00 to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 30.00	20.00 to 40.00	..... to .....
.50 to 2.00	.50 to 1.50	Aster	.50 to 2.00	1.00 to 4.00	.75 to 1.00
..... to	..... to	Bouvardia	..... to	..... to	..... to .50
..... to	..... to	Callas	..... to	..... to	..... to .....
..... to	..... to 1.00	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
..... to	1.50 to 2.00	Standard Varieties: White	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Pink	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Red	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to	..... to	*Fancy: White	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Pink	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Red	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to 1.00	..... to	Daisies	..... to	..... to	..... to .....
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .10	..... to .....
..... to .20	..... to .12½	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 3.00	2.00 to 4.00	Gladiolus	3.00 to 5.00	2.00 to 6.00	2.50 to 3.00
..... to 12.50	..... to 10.00	Lilies, Harrisii and Longi	5.00 to 8.00	12.50 to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	..... to	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	..... to	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to 1.50	..... to .....
..... to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	..... to	..... to	..... to .....
..... to .25	..... to	Sweet Peas	.20 to .30	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to	Water Lilies	..... to	..... to	..... to 3.00
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

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Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

The Weathered Co. of New York are to build the new range of greenhouses for the Harvard University Botanic Garden.

A. T. De La Mare, managing editor of The Florists' Exchange, and his son, spent a day in the city on their way to St. John, New Brunswick. R. C.

Indianapolis

M. C. Kent of Newark, O., was a recent visitor.

J. F. Dayton, of the Madison Basketcraft Co., reports a lively business in his wares.

Robert Ellis, of Bertermann's, has recovered from his recent illness.

Tomlinson Hall Market is well supplied with field flowers and is doing a flourishing Summer business.

The Indianapolis Plant & Flower Co. is cutting a quantity of select Summer Roses.

The State Florists' Association of Indiana will hold its August meeting next Tuesday. There are a number of important matters to be brought up at that time.

Clarence Thomas has returned from a visit to Louisville, Ky.

Walter Bertermann has left for Lake Wawasee.

Homer Wiegand is figuring on a new residence on N. Illinois st.

F. Hitz & Sons, of Madison, Ind., report that they have had excellent success with Asters this season, having shipped many thousands at profitable prices.

I. B.

Cincinnati

This week sees the opening of the Ohio Valley Exposition. Many floats, representing the different trades, Chamber of Commerce, Business Mens' Club, etc., are in line for the parade. Tromey has been busy for the past week fixing some of these floats. At 11 o'clock today President Taft presses the button at Beverly, Mass., which starts the wheels running, and opens one of the finest expositions that the city of Cincinnati has ever seen. There will, no doubt, be an exhibition of cut flowers on one day during the Exposition, which lasts for four weeks; the exhibit will amount to about $1500 in value and consist of baskets, original designs for various orders, etc. J. Chas. McCullough had the order for furnishing the plants for the decorating of the various esplanades; he used over 50,000 plants, several carloads of Bay trees and other evergreens. B. P. Critchell, former park superintendent, had charge of the men who filled the hanging baskets, and planted the Geraniums, and other plants. On a small scale, the beauty of this exposition is equal to any of our world's fairs, and has to be seen to be appreciated. Much credit is due to Mr. McCullough for his untiring efforts to make the Exposition a success.

Business is fairly good for the time of year. Asters are just a little scarce, but American Beauty Roses are plentiful and of good quality. E. G. GILLETT.

Washington, D. C.

With the exception of some funeral work, everyone experienced a stagnation in business last week; but a general improvement is expected with the opening of September. Few people have returned to the city yet.

Chas. Meehan of the S. S. Pennock-Meehan Co. was in town during the week. The company's local store is receiving some very good Asters.

George H. Cooke and party, consisting of his wife, his daughter and her husband, visited Montreal, Toronto, Quebec and Niagara Falls prior to the convention, and came back thoroughly enthused. It will be remembered that Mr. Cooke also brought back two individual prizes in the shape of silver cups for his extraordinary skill as a bowler.

The backbone of the hot weather is at last broken, and along with the pleasant change came a much needed rain.

JAS. L. CARBERY.

—ROSES—

QUALITY IMPROVING

Kaiserin	$3.00 to $8.00 per 100
Maryland	3.00 to 6.00 per 100
Killarney	3.00 to 6.00 per 100
Brides	3.00 to 6.00 per 100

SHORT ROSES for design work, $2.00 per 100.

BEAUTIES. $1.00 to $3.00 per dozen.

ASTERS

$1.00 to $2.00 per 100.
Choice stock in all colors. A large supply of the best varieties.

GOOD BRONZE GALAX NOW
equally as good as any other time of the year. $7.50 per case.

Field Grown
Carnation Plants

	100	1000
PINK.		
Winsor	$7.00	$60.00
R. Pk. Enchantress	7.00	60.00
Enchantress	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Ionste	5.00	50.00
WHITE		
Perfection	7.00	60.00
Boston Market	6.00	50.00
Queen	6.00	50.00
Queen Louise	6.00	50.00
Sarah A. Hill	7.00	
RED		
Bassett	7.00	
Beacon	7.00	60.00
CRIMSON		
Harry Fenn	6.00	

Clean healthy plants. We guarantee satisfaction.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Aug. 29, 1910	Buffalo Aug. 30, 1910	NAMES AND VARIETIES	Phil'delphia Aug. 29, 1910	St. Louis Aug. 29, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	16.00 to 20.00
..... to	12.00 to 15.00	" extra	16.00 to 20.00	8.00 to 10.00
10.00 to 15.00	7.00 to 10.00	" No. 1	10.00 to 15.00	5.00 to 6.00
6.00 to 8.00	..... to	" No. 2	6.00 to 8.00	2.00 to 3.00
2.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	..... to .....
2.00 to 4.00	2.00 to 6.00	White Killarney	2.00 to 6.00	..... to .....
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
2.00 to 6.00	2.00 to 6.00	My Maryland	2.00 to 8.00	3.00 to 4.00
..... to	2.00 to 6.00	Richmond	2.00 to 4.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	3.00 to 5.00	..... to .....
2.00 to 3.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	K. A. Victoria	2.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	.75 to 1.00	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
.50 to 3.00	.40 to 2.00	Aster	.50 to 2.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to .75	.75 to	Carnations—Inferior grades, all colors	.50 to 1.00	1.00 to 1.50
1.00 to 1.50	..... to	Standard Varieties: White	..... to	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Pink	..... to	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Red	..... to	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Yellow and var.	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Standard vars.): White	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Standard vars.): Pink	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Standard vars.): Red	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Standard vars.): Yellow and var.	..... to	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz.	5.00 to 12.50	..... to .....
3.00 to 4.00	2.00 to 4.00	Gladiolus	2.00 to 6.00	..... to .....
10.00 to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	8.00 to 12.50	8.00 to 10.00
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyes	..... to 75.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to 1.25
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to	Water Lilies	2.00 to 4.00	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Rochester, N. Y.

After the exciting week of the convention, we are settled down again to the regular routine of business. Business, however, is not very booming, and with no great local demand trade is very quiet. Asters are still, of course, the leading flowers, the bulk of them being shipped to the various outside market. Roses are quite plentiful without a great demand, as there is not much work going on to use them up. Carnations have ceased to be, for a few weeks, until the new stock commences to come in, a condition which also applies to Sweet Peas. However, we all look forward to a good business season, and in the meantime vacations are in order to prepare us for the coming rush.

The first Chrysanthemums of the season came on Aug. 29; they, however, do not meet with ready sale, as it is much too early for these flowers; in fact, past experience teaches us that it is almost impossible to find a market for flowers out of season.

Charles Lee has just returned from a visit to his mother in England, who is getting on in years. He reports a very pleasant trip and looks much better for it.

A meeting of the convention executive committee will take place on Thursday evening, to receive reports and bills. It is announced that 902 persons traveled to Manitou Beach. While we regret the delays in transportation, it is hoped that all overlooked this inconvenience and had a good time. H. B. STRINGER.

FIELD-GROWN CARNATION PLANTS

WE offer the following, which are strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.
Winona, $7.00 per 100, $60.00 per 1000.
Winsor, $7.00 per 100, $60.00 per 1000.
Wanoka, $6.00 per 100, $50.00 per 1000.
May Day, $8.00 per 100, $75.00 per 1000.
Enchantress, $7.00 per 100, $60.00 per 1000.
White Perfection, $7.00 per 100, $60.00 per 1000.
Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.
Bay State, $6.00 per 100, $50.00 per 1000.
O. P. Bassett, $7.00 per 100, $60.00 per 1000.
Dorothy Gordon. $15.00 per 100.
Pink Delight, $15.00 per 100.
Carnegie, $6.00 per 100.
Splendor, $7.00 per 100, $60.00 per 1000.
Apple Blossom, $7.00 per 100, $60.00 per 1000.
Lawson, $6.00 per 100, $50.00 per 1000.



CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Albany, N. Y.

The regular monthly meeting of the Albany Florists' Club will be held on the regular meeting night, Thursday, Sept. 1, at the rooms, 73 State st. Matters of importance will be taken up, news from the convention, etc.

Business in Albany has been rather dull the past week or two; everybody is on a vacation, as the month of August generally is dull, outside of funeral work, and that is very scarce.

The clambake of the Albany Florists' Club, which is given annually at the establishment of Henkes Bros., and which was to take place on Aug. 21, is postponed until one week later, Aug 28, owing to the death of one of our most active and beloved members, William Roach, employed by Fred. A. Danker for the past three years as head man. He anticipated a good time to be spent on Kinderhook Lake, just beyond Albany, for a rest and recreation. He left his employer and friends at 11 o'clock on Wednesday last and at 1 o'clock Mr. Danker received word that he had drowned. After he had reached the camp he thought he would take a sail and started out in a canoe. His companions had gone a short distance for provisions, and when they returned they heard his cries for help, but too late; when they reached him he was beyond aid, going down for the last time. They made a thorough search for the body, but it was entangled in eel grass in twenty-five feet of water. They succeeded in finding the body after a day and a half's search. The body will be shipped to New York City for burial, under the direction of the Albany Florists' Club. His parents are dead and two brothers survive him. He will be missed by everybody he came in contact with, as he was a good natured, wholesouled fellow, in the best of health, and had a good word for every one.

Many of the Albany retailers went to the convention at Rochester and report they were well pleased with their trip.

There has been a number of salesmen in town, on their way home from Rochester; among them were J. Dilloff of Schloss, New York; M. Adler of New York, and J. Karins of Philadelphia.

W. C. K.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

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Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS *ST. PAUL, MINN.*

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RICHMOND, INDIANA

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Store, 3729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

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WHOLESALE GROWERS OF and DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

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Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Aug. 30, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch steme.. "	2.00 to	2.50
24-inch steme.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch steme.. "	.... to	1.75
12-inch steme.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	10.00
White Killarney	.... to	8.00
Richmond	4.00 to	6.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	6.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy (*The highest grades of Sta'd varieties): White	2.00 to	3.00
*Fancy (*The highest grades of Sta'd varieties): Pink	2.00 to	3.00
*Fancy (*The highest grades of Sta'd varieties): Red	2.00 to	3.00
*Fancy (*The highest grades of Sta'd varieties): Yel. and Var.	.... to	....
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.00
Lily of the Valley	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	60.00 to	60.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.... to	....
" double	.... to	....
Astere	1.00 to	4.00
Gladioli	3.00 to	6.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Chicago

Cool weather predominates, and is a great factor in helping to improve stock in all lines. Monday morning of this week found business unusually brisk, with good stock not any too plentiful. While prices have not soared to anything approaching exorbitance, good grades of stock are commanding fair prices.

On Saturday afternoon, as John Zech and his son Allie were crossing Randolph st. at Dearborn st., they were struck by an electric runabout, owned and driven by Louis Wessell, Jr., of 4927 Washington Park place. Both were thrown down. Mr. Zech's right ankle was slightly sprained, and his left side badly bruised, while Allie was bruised on his right leg. Neither of their injuries are serious, but Mr. Zech is unable to leave his home, at present. Allie, however, was at business as usual on Monday.

Capt. A. I. Simmons and family returned on Sunday from a ten days' visit to Peoria, where the National Guards' encampment was held, and where the captain was officially engaged.

J. B. Deamud returned on Monday morning, having gone from Rochester, N. Y. to his farm at Cairo, Ill., where he spent a week. The establishment of the J. B. Deamud Co. is in the hands of the painters and decorators.

Harry Philpott of Winnipeg has been spending the past week in visiting among the growers and florists in Chicago and vicinity, and says that in every instance stock was looking in a fine condition, although the Carnation plants are not quite up to the standard of previous seasons.

Poehlmann Bros. Co. have not as yet completed planting their Carnations in the houses, but expect to do so within a few more days.

The Chrysanthemums at Vaughan's greenhouses, Western Springs, are in an excellent condition, and give promise of being unusually fine this Fall.

Bassett & Washburn, Hinsdale, have finished their Carnation planting. The new American Beauty Rose stock is looking good. They are growing the O. P. Bassett Carnation as a leader this season.

Frank Oechslin's stock of Boston Ferns, Araucarias, Pandanus, Ficus, Crotons and Palms are all in the fine condition usually found at his establishment.

The A. L. Randall Co. is making a change in their business quarters. The offices will be removed to the third floor of the building, the room now occupied being required for the cut flower department.

Frank Ayres left on Saturday with a party of seven young men for Worthington, Canada, where they will camp out in genuine camping style, 40 miles from a railroad station.

Chas. McKellar is receiving some excellent stock of white Asters, variety Boston Market, which he finds is easily disposed of for flat work and designs. Orchids are arriving at his store in very small quantities.

Hoerber Brothers are receiving from their houses at Des Plaines some extra fine pink and white Killarney, My Maryland, Kaiserin and Richmond Roses. The quality at the present is indicative of grand stock later.

The quality of American Beauty Roses, in all lengths, to be found at Peter Reinberg's is greatly improved over the cut of a week ago, and is improving each day.

W. H. Englehart, of the Idlewild Greenhouses, Memphis, Tenn., who has been spending the past ten days in Chicago, left for Memphis on Monday night.

Vaughan & Sperry are still receiving unusually fine Am. Beauty Roses and Asters.

The employees of Poehlmann Bros. Co. and Wietor Brothers will combine in holding a picnic at Morton Grove, Ill., on Sept. 11.

E. B. Washburn and wife are enjoying a vacation at Pesacola River, on a fishing trip.

O. P. Bassett and wife arrived in New York last Saturday from their trip abroad.

Harry Fischer has returned from a visit to his home in Kalamazoo, Mich.

Clifford Prunner and Fred Longren, of E. H. Hunt's are again in the city.

Martin Reukauf, of Bayersdorfer & Co., Philadelphia, is in Chicago, making his usual rounds.

F. Gruire, of the Livingston Seed Co., Columbus, O., recently spent several days in Chicago, visiting the local and suburban growers and nurserymen.

Carl Cropp, of Vaughan's Seed Store, and his family, have returned from their vacation of several weeks spent in Michigan.

Vaughan's Seed Store is in receipt of six carloads of Dutch bulbs. The retail catalog of this house is being mailed this week.

Wm. P. Craig of Philadelphia, Pa., is in the city on a business trip.

Visitors: E. P. Holm, St. Paul, Minn.; J. B. Adams, Pass Christian, Miss.; Wm. Winter, Kirkwood, Mo.; J. W. Brower, Prairie du Chine, Wis.; Karl H. Schuck, Indianapolis, Ind.

Philadelphia

The S. S. Pennock-Meehan Co. is now offering sixteen varieties of Carnation plants. The sales are rapid and large. From the present outlook, there is likely to be a shortage of good Carnation plants as the season advances. Even now "Sold out, discontinue ad." is the word from many growers. S. S. Pennock and family have gone on a voyage to Halifax, N. S., where Mr. Pennock, incidentally, hopes to freeze out his hay fever. Work on the New York branch store is progressing. Recent callers on the Pennock-Meehan Co. were Mr. and Mrs. B. B. Carter of Pittston, Pa.; Mr. and Mrs. John Walker, Youngstown, O.; Harry Papworth, New Orleans, La.; John Haines, Bethlehem, Pa.; and Miss Ruch, and Miss Kline, in company with Fred H. Lemon, of Richmond, Ind.

Robert Craig, Sr., though somewhat lame and sore from his last week's accident, is attending to business. Recent callers on the Robert Craig Co. were August Tischinger, Baltimore, Md.; Louis Dupuy, Whitestone, L. I.; George Allen, Princeton, N. J.; and Mr. Walker from C. C. Pollworth & Co., Milwaukee, Wis.

W. E. McKissick & Bros. are receiving some new crop Carnations, in several colors; also some very good Dahlias.

The Leo Niessen Co. is receiving some very fine American Beauty Roses.

H. H. Bayersdorfer & Co., whose recent exhibit at the S. A. F. convention attracted such attention and received so much merited admiration and commendation, have just received, ex. S. S. Manitou, 800 cases of florists' supplies.

This is only one of several invoices arriving recently. The requests for catalogs received are very numerous and large orders are every day being shipped out. Recent callers on this firm were Mrs. A. Locher, Baltimore, Md., and Mr. and Mrs. Fred C. Weber, St. Louis, Mo.

Robert Kift reports that the exhibition of his hanging rods and vases by H. Bayersdorfer & Co. at the S. A. F. convention is bringing many orders.

John Cella, the 21st st. and Columbia ave. florist, is rejoicing in the arrival of a girl baby at his home.

A. B. Cartledge, of the firm of Pennock Bros., has returned from his Summer cruise in the Marguerite II. During his cruise he visited many points of interest along the coast, and up several rivers, including the Hudson.

Mauna Hoffman, manager for Alexander Campbell, is now on his vacation.

Frank H. Traendly of New York City was in town this week calling on friends.

J. J. Habermehl's Sons, the Bellevue-Stratford florists, have this week a very artistically arranged and attractive window display of choice Crotons and Ferns.

Harry C. Cook, 1204 So. Broad st., has returned from his vacation at Wildwood, N. J. He reports trade as good for the season of year and that this year, so far, has been far ahead of the previous year.

Joseph Habermehl, of Second and Butler sts., has some 10,000 sq. ft. of glass located opposite to the entrance of the new Cathedral Cemetery, from which he derives most of his trade. He is very busy at present putting his range in condition to take care of the coming Fall trade.

Godfrey Aschmann has two sons, Edward and Howard, who have forsaken the family roof and are now numbered among the growers of Philadelphia. About Aug. 15 they took possession of some 30,000 sq. ft. of glass, formerly operated by W. H. and F. Evans at Second and Bristol sts., and are now busily engaged in tearing out and replacing part of the range and stocking same with Ferns of all varieties and sizes, Lorraine Begonias, Azaleas, Palms, Primroses, Asparagus and other choice stock. These young men are bound to be heard from and will do a general shipping business. They are located opposite to the main entrance to Greenmount Cemetery, a location which will probably result in some retail business. The only stock in the houses when they took possession was a large quantity of Asters. At one corner of the site is a splendidly arranged store and shipping room, the store having good display and storage facilities.

Ch. Ergenzinger, 4407 No. Second st., is making some alterations and restocking his range. He reports trade as good for August.

Frank Birnbrauer, formerly with P. A. B. Widener, is now finishing up the last of three houses, 6000 sq. ft., at Oak Lane, in which he is growing Carnations and Snapdragon for the wholesale trade.

Howard W. Garrett of Oak Lane has in the "Garrett Flower Shop," one of the most unique flower stores in Philadelphia. The finish is in rustic style, furniture and wall decoration. This store is the only one in Oak Lane, and was opened March 1. Mr. Garrett has been connected with some of the larger growers for the past ten years, and is well fitted to run a retail shop. He will have a Fall opening on Sept. 15, and will give souvenirs to all visitors.

John Weiland of Second st. and Wyoming ave., is building a new house, 80x18½ ft., in which he is using a new construction. He allows the lower ends of the roof sash to run into the forms built for cement walls, and pours the cement mixture on them; this makes a clean looking eave and saves considerable lumber.

A letter to the EXCHANGE from Godfrey Aschmann, written while on voyage to Europe on the Red Star Line S. S. Lapland, states that they had just sighted land after a pleasant voyage. Mr. Aschmann while abroad will send souvenir postals to his customers from many parts of Europe.

P. M. R.

Sedalia, Mo.

L. A. Kipping, vice-president of the Archias Seed Store Corp. is visiting in Wisconsin and Minnesota.

The Archias Floral Co., who recently purchased the system of greenhouses formerly owned by Gelven & Son, will build two new greenhouses this Fall, and make other improvements.

Chas. Pfeiffer, florist, is spending a few weeks in Colorado for his health.

California Notes

Tomato Growing in California

A visit to John Bodger's seed farm near San Pedro, August 18, was a revelation to me. They have 150 acres in Tomatoes, the different varieties separated by rows of Cosmos, and for the first time since I have been in this State did I see plants here with the luxurious growth in field culture which characterizes them when grown in very fertile soil in the Atlantic States. Not a blighted plant in the lot, and the color and size of the foliage showed that the soil and climate were congenial to their perfect development.

The manager, John Bodger, Jr., was completing the construction of the seed washing plant and the first early sorts will be gathered at once. The pulp will be converted into catsup. My own experience in Tomato seed saving is that when the seeds are pressed out into a receptacle—either of wood or earthenware—in several days' time the fermentation is sufficient to thoroughly separate the seeds from the sediment through a liberal use of water, but if water was mingled with the pulp at the time the seeds were pressed from the fruit they were sure to sprout before cleaning and, of course, ruined.

Marvelous Single Petunias

They have several acres in single Petunias. When one recalls to mind this highly desirable annual in the years long gone by, he is led to wonder at the marvelous achievements of men in the art of plant breeding. Certainly never before have I seen colors so exquisitely beautiful in this flower as are to be found in that field of Petunias. I have met with them time and again equal in size, and with the fluting of the limb quite as pronounced; but the color, never! I noticed one of extraordinary beauty in color, with the limb divided into four deeply divided segments, and all with crimped margins; that plant should be perpetuated by cuttings as well as from seed.

Some Wonderful Zinnias

I saw here Zinnias of three types; the Lilliputs, the new ragged looking one with twisted petals, and the Giants. The first named are as prim and perfect as Tom Thumb ever appeared at his best, and all men who ever saw that diminutive gentleman when in his prime will agree to the proposition that he was a perfect specimen of the race, even though he was a liliput in size. So also are those diminutive Zinnias. The ragged flowered type do not appeal to me—Zinnias, at their best, are a stiff formal lot, and appear as though they had been made in moulds, like bullets; when marred by the roughness of ragged petals it places them out of all harmony with what refined society is pleased to term "good form."

The Giants are marvels in size of plant and flower; the plants are four feet tall, and the flowers, those that are cone-shaped, are four inches in diameter at the base and three inches high; the flat ones are two inches deep and six inches in diameter. Both types have the appearance of being turned out of some flower pot factory and made of different colored clay.

Their dwarf Marigold, Tagetes pumila, is a glorious sight and, in this dry climate during our Summer months, it is about the most satisfactory annual we grow.

Some few plants of Candytuft which were left from the harvest just completed were two feet tall with spikes of bloom a foot long and four inches in diameter.

Asters a Leading Feature

The crowning glory, however, of that seed farm on the day named was the field of early Asters. The Burpee seed farm at Lompoc when the Sweet Peas were at their best presented no more beautiful appearance—and it is thirty acres in extent. The red, white and blue were here on exhibition as I have never before seen them. It is unnecessary to name varieties, the one word perfection characterizes them all, except one with tubular petals which stood out rigidly at right angles from the disk; it had very much the same appearance as the steel brushes used to clean clogged flues in steam boilers. As a curiosity it will do, but for that purpose only, even the colors are of that faded appearance which is not desirable in any flower.

Harvesting Facilities Unequaled

The Mignonette crop is harvested and ready for recleaning. The Sweet Pea crop, the poorest ever, is being threshed. A remarkable feature of this whole seed growing business is there is no gathering into barns. All the work is done in the open. There were the sacks of expensive seed stacked in the field after being threshed and there they will remain until recleaning day arrives. There are the stacks of Sweet Pea vines, where they were harvested, awaiting the threshing machine, the latter driven by a distillate motor engine which is also used to haul the machine from one stack of vines to another.

The wonders of this wonderful State increase in proportion to the knowledge I acquire of it. And its possibilities for seed growing are not yet dreamed of by its most optimistic citizen.

P. D. BARNHART.

Baltimore

The past week was a convention week in this city, the Loyal Order of Moose meeting here, with 10,000 visitors. Our city was in gay attire, and a large court of honor was erected and lavishly decorated. Our florists derived very little benefit, as flowers were scarce articles. M. Thau of Govanstown, who is a member, was on the hustle for the good of the order and trying to urge his brother florists to become Moose.

The florist business has been fairly good of late, considerable funeral work offering. The cut stock coming in is light, as the drought has played havoc. Asters are about the only plentiful flowers. A fair supply of greens can be had.

L. Strauntz, Westport, Md., was unfortunate enough to lose a good horse recently through paralysis.

Peter Eberhardt, Catonsville, Md., is displaying some choice white Asters that are attracting attention.

H. Walters, Arlington, Md., is at his home suffering with a sore foot, so that he is unable to get to town.

G. Tauth, Woodlawn, Md., who has been conducting a florist business for many years, will discontinue for a time, as he is the appraiser for Baltimore County and his time is taken up to an extent which renders him unable to devote any more time to his former business.

The Gardeners and Florists' Club held its annual picnic at Bay Shore Park on Thursday.

Charles Cook, Old Frederick road, is having a large water tank erected; his new range of houses is nearly completed.

Fred Reitz, Franklintown, Md., is having trouble with rain water running in his boiler room; at present the water is about four feet deep.

E. A. Seidlich was unable to be in Lexington market on Tuesday, as the drought has struck him heavily and he is unable to gather any blooms.

Carnation planting, inside, is in full blast, although plants are seldom seen in good condition; at times two and three plants are required to be planted together to make one plant. J. L. T.

St. Louis

Charles Ford, representing A. Herrmann, New York, was a visitor last week. Guy Reburn, of Vaughan's Seed Store, Chicago, was also here and reports a heavy business in all lines.

Charlie Schoenle and Geo. H. Angermueller are traveling through Illinois this week, Charlie for his health and George on business. They will stop off at Chicago, their last place to visit before returning home.

Next Sunday, Sept. 4, the second Sunday opening will occur at Shaw's Garden and, the weather permitting, a great crowd of visitors is expected. The first Sundays in June and September are the only Sundays visitors are permitted to visit the garden.

Henry Ostertag reports that they had a big week entertaining the members of the Eagles in their decorated room above their Washington ave. store.

After this week the trade will have the full time of the commission houses, as they will again observe their regular hours, the agreement for early closing during the months of July and August having expired Sept. 1.

It has been reported that E. H. Michel, late head of the Michel Plant and Bulb Co., is now with Henry A. Dreer, Inc., Philadelphia, and Riverton, N. J.

Alex. P. Geranios, who opened the store of the Metropolitan Floral Co. at 502 N. Grand ave. last week, reports that his first week's business was more than he expected. The store has a fine appearance and attracts a great deal of attention.

George Walbart will finish up his improvements this week; a fine coat of white paint inside and outside, and a fresh lot of plants will make his store as attractive as ever.

Oscar Kuehn, head of the wire department at Smith's, has returned with his family from a three weeks' vacation trip to his home in Detroit. He also visited his father at Milwaukee, who is head of the wire department of Holton & Hunkel.

Our commission men are fast getting in shape for the coming season and all have made great improvements, giving them much needed room.

Alex Siegel is back from his Summer trip up North. He spent most of his time fishing in the Great Lakes.

The Florists' Club will hold its regular monthly meeting next Thursday afternoon, Sept. 8, at the H. G. Weber & Sons Nursery Co., at Nursery, Mo. The members and their ladies are expected to meet at the south end of the Cherokee car line at 1 o'clock, where the company's big autos will be in waiting to convey them to the grounds. ST. PATRICK.



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STANDARD FLOWER POTS Packed in small crates easy to handle

			Price per crate				Price per crate
1500	2-in.	pots in crate	$4.88	456	4½-in.	pots in crate	$5.24
1500	2¼	" "	5.25	320	5	" "	4 51
1500	2½	" "	6 00	210	5½	" "	3.78
1000	3	" "	5 10	144	6	" "	3 16
800	3½	" "	5.80	120	7	" "	4.20
500	4	" "	4.50	60	8	" "	3.00

HAND MADE			Price per crate
48	9 in.	pots in crate	$3.60
48	10	" "	4 80
24	11	" "	3.60
24	12	" "	4.80
12	14	" "	4.80
6	16	" "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

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Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

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Consulting Landscape Gardener and Garden Architect.

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25 lbs. $1.00 | 100 lbs. $ 3.00 | 1000 lbs. $27.00
50 lbs. 1.75 | 500 lbs. 14.00 | 2000 lbs. 52.50

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TILE DRAINED LAND IS MORE PRODUCTIVE Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Portland Cement, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N. Y.

ROUND TILE

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New Orleans

Mrs. Carrie Rehm, who for many years past has conducted two establishments, one a store at Canal st., and the other greenhouses and store at St. Charles and Napoleon aves., will on Oct. 1 give up the Canal st. store and confine her business to the Napoleon ave. place. Mrs. Rehm, who is an uptodate business woman, found it rather difficult to give both places that personal supervision which a business today requires, to be a success; and as the florists' business is mainly carried on through the telephone she will undoubtedly do just as large a business and with less expense.

A. Alost, who recently returned from a trip to Belgium, reports having had a splendid time. One of the things which pleased him most was some examples of old-fashioned bedding which came under his notice. As an illustration, he mentioned a border of a half mile in length, composed of blue Lobelias, Cineraria maritima, and scarlet Geraniums, a very old combination, yet one that he says none of the more modern plantings could exceed in effectiveness. The display of plants and flowers at the Brussels Exposition he described as being simply magnificent.

A visit to the M. Cook's Sons establishment shows everything in good shape. Robinson 'Mums, under glass, being especially promising. This place is noted for the quantity of young plants of those two southern favorites, Sweet Olive and Magnolia fuscata, which it turns out.

Reinhart Cook has a compact little place, almost adjoining that of his brother, which is kept in good trim. It is his intention to build some glass shortly. Mr. and Mrs. Cook are returning from Germany earlier than at first anticipated, having found the Summer over there rather wet and cold.

The mayor of New Orleans has appointed U. J. Virgin and Harry Papworth as two of the delegates from this city to the National Conservation Congress, to meet at St. Paul, Sept. 5-9.

CRESCENT CITY.

Greenhouse Building

SPRINGFIELD, MO.—John Dieckmann, the florist at Park View, is having some extensive improvements made to his plant which includes the construction of a large greenhouse. The greenhouse will be 90 by 15 ft.

ATLANTA, GA.—The Dahl Floral Co. will in the near future erect a $25,000 conservatory and greenhouse in Cobb Co., on the Black-Chadbourn tract, just over the Chattahoochee River, opposite the city water works.

CHICAGO, ILL.—C. H. Warneg is having a greenhouse built at 826 North La Salle St. costing $1,500.

PONTIAC, ILL.—W. J. Miller & Son have completed the erection of three modern greenhouses on their property at the East end of Payson St. The houses are all 50 x 100 ft.

Recent orders booked by the Lord & Burnham Co., at its Philadelphia office are:

Private establishments.—F. W. Morris, Villa Nova, Pa., 1 house, 20 x 70 ft.; Jas. F. Sullivan, Radnor, Pa., 1 house, 20 x 75 ft. Florists' establishments.—H. Clement Brown, Rising Sun, Md., 1 house, 24 x 125 ft.; Jas. W. Talley, Wilmington, Del., 1 house, 21 x 58 ft.; M. J. Callahan, 3928 Market st., Philadelphia, 1 house, 20 x 75 ft.; Jas. F. Thoris, Camden, N. J., 1 house, 20 x 50 ft.; J. M. Palmer, Kennett Square, Pa., 3 houses, 28 x 140 ft.; Wm. Berger, Germantown, Philadelphia, 3 houses, 20 x 100 ft.

FALL RIVER, MASS.—J. & C. Cross will open their new store, which is about four times as large as the old one, on Sept. 3. They will install a display icebox and other accessories for an uptodate flower store. John Cross is treasurer of the Fall River Florists' Club.

SIOUX FALLS, S. D.—Joe Tossini, who for so many years was located at 215 South Phillips ave., has moved to 202 North Phillips ave., and will conduct one of the largest florist's stores in the Northwest. He has thoroughly overhauled the store building and put it into shape to conduct his business on a first-class plan.

KEOKUK, IA.—During the hail storm on Aug. 20 damage was done to the greenhouses of R. G. Schlotter and Wm. Laisle. The latter estimates his loss at $200.

NEW HAVEN, CONN.—Wm. McCrea suffered a loss, which he estimates at about $200, through smoke filling his establishment from a fire in an adjoining store.

Prices Advertised in these Columns are for THE TRADE ONLY

"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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285-289 Metropolitan Ave., BROOKLYN, N. Y.

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Green Flies and Black ones too

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Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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$2.00 per 100 lb. bag $30.00 per ton.

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Cultural Directions

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

Worcester, Mass.

A moderate business in retail departments is reported by the local florists. Asters are meeting with much demand for funeral and wedding work, but aside from these orders there isn't much else to amount to anything in the sales rooms.

All growers are giving especial attention to producing Fall stock.

H. F. A. Lange reports his Orchids as doing nicely; his success is being watched for with interest, as he has just started in to grow these flowers.

H. F. Littlefield had a sale of Richmond Roses at 50c. per dozen during the past week, which attracted many lovers of that variety of Rose.

Nystrom & Peterson are continuing to do a good business in small pot plants, of which they make a specialty.

J. L. Moore of Northboro, whose Dahlias are famous in the county, will be one of the largest exhibitors at the Horticultural Society's exhibit on Thursday.

Allyne W. Hixon and Mrs. Percy G. Forbes were the only florists who displayed cut flowers at the exhibit in Horticultural Hall on Thursday, Aug. 25.

The second children's exhibition, conducted by the Worcester County Horticultural Society, on Saturday, Aug. 27, surpassed the expectations of the committee of arrangements and surprised the visitors. The flowers surpassed the display made by the members of the Society on the Thursday previous.

The children of the Garden City made a splendid display in the vegetable show. The Rev. Robert J. Floody, superintendent of the movement, was present and received many congratulations. The flowers grown by the children filled three tables the length of the hall. The little ones not only plant, grow and cut, but arrange their own displays and showed artistic tastes in doing this. E. D.

Providence, R. I.

The hot spell has broken, at least for a few days, which adds much to comfort as well as increasing trade. There is plenty of stock on hand, but the demand has been limited. Asters are coming in fine, but many claim to have lost thousands of plants through disease.

The Burk Rose Co. is cutting some fine Summer blooming Roses. The company's stock for the Winter season is looking well, with prospects ahead for good crop of blooms in the early Fall.

J. J. Kelley, Valley Falls, reports business as fair, with plenty of funeral work.

W. H. O'Connor is still at Seaconnet, R. I., enjoying his vacation. He will return after Labor Day.

F. Macrea & Son are bringing in a good supply of Easter Lilies, which realize from $6 to $8 per 100.

E. G. Brooks, of T. Johnston & Co., left on Saturday for Vineyard Haven, Mass., to remain over Sunday. The firm supplied the decorations for the opening of the new restaurant in the Crown Hotel, on Saturday. They have supplied the tables at the Crown with cut blooms for a long time.

J. H. Cushing, Quidnick, R. I., John Kelley of Valley Falls, Mrs. D. E. Newell of Attleboro, Mass.; E. R. Seymour of Warren, R. I., and Mr. Hall, representing Reed & Keller of New York, were recent visitors.

Johnston Bros., Dorrance st., were very busy on Sunday with funeral work for the funeral of Hon. Hunter C. White, high sheriff of Providence Co. Among the numerous designs made by them was a broken column standing over five feet high, made of Roses, Asters and Lilies. Much credit is due them for this artistic design. Wm. Chappell was also busy with many designs for the same funeral.

The Market

Asters, 25c. to $1 per 100. Roses: firsts, $6 to $8; seconds, $3 to $6; thirds, $1 to $3 per 100. Lilies, $6 to $8 per 100. Sweet Peas, 10c. to 25c. per 100. Centaureas, 25c. per 100. Lily of the Valley, $4 to $5 per 100. Chrysanthemums, $1 to $2 per dozen.

H. C. N.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,

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GLASS

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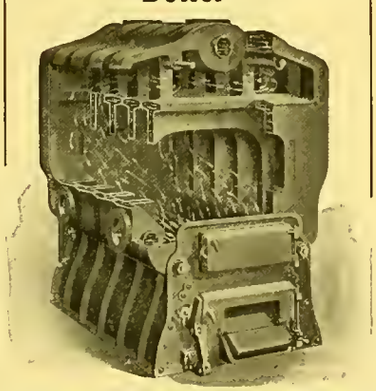
The Ideal Greenhouse Boiler



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Is Reliable, Practical and Durable



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Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

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For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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Plate and Window Glass

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THE combining of greenhouse and gardener's cottage in some such way as this makes a handy arrangement for our gardener friends.

This house is 18 feet wide and 33 feet long, and has two compartments. It is small, but it's a "starter," and other compartments are easily enough added. Sometimes it is just as well to start small, and then make additions when required.

When you do build, make it our Iron Frame Construction—Curved Eave if you say so. Send for circular.

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Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States

GREENHOUSE GLASS

20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

OUR NEW VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT HOT-BED SASH
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CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

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BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

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Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

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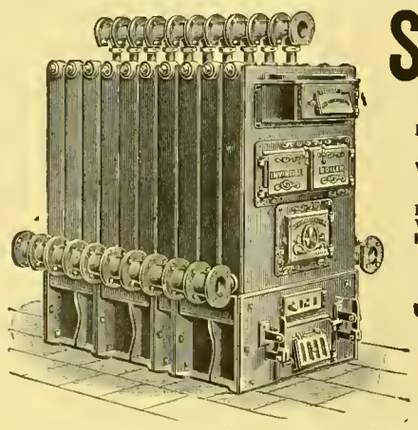

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ARE BEST

For Greenhouse heating. Standard Cast Iron Greenhouse Pipe and Fittings

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It will pay you to get our special quotations We also contract for and erect **Steam and Hot Water Heating** apparatus in all parts of the country.

Illustrated catalogues free on application

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Telephones, 1492-1493 Main.
U. G. SCOLLAY, Manager

Please mention the Exchange when writing.

New Bedford, Mass.

Trade remains about the same as usual. Funeral work is very good. Asters are the main thing to be depended upon; the early varieties are about all gone now and the late ones are coming in good shape, mostly Vick's Branching.

Asters retail at 35c. per dozen; Roses from $1 to $1.50 per dozen; Gladioli $1 per dozen. Sweet Peas are not very good now, and sell at 50c. per 100 blooms.

There are lots of other outdoor flowers to make bouquets from. Growers are now busy housing their field-grown Carnation plants; the plants are of fairly good size, as we have had a nice growing season. 'Mum stock in general is looking good.

R. H. Woodhouse has nearly finished housing his Carnations.

E. H. Chamberlain and wife are back from a two weeks' vacation in the White Mountains.

Geo. N. Borden, foreman for R. H. Woodhouse, has returned from a two weeks' vacation at Jolly Island Lake, Winnipansankie, N. H.

Wm. Livesey has built a pump house of concrete blocks, and installed a two horsepower gasoline engine.

The weather in the past week has been nice and cool. It has been a good growing period lately, nice rains having fallen through the Summer months.

Early closing is still the rule with the uptown stores. James H. Cleary's store remains closed, pending an arrangement of matters.

M. B. Sylvia has had his greenhouse and office piped for the coming Winter.

HORTICO.

Kennett Square, Pa.

Wm. Swayne has been one of the most busy men in Kennett Square until now. He has finished planting in Carnations, and the range is ready for Fall business, so he now spends all his spare time in keeping the ice box filled with fish, going to far distances in search of sport, usually in company of one or more of his Kennett Square friends. He recently spent a few days in Lancaster County, visiting the trade and buying some needed stock. A new seedling Carnation is being tried out for the fifth year; it is similar to Daybreak, having fringed edge, and a little darker. Some 20,000 'Mums are well under way.

Zeatman & Way are erecting a house 200x60 ft. for Tomatoes, this making about 20,000 sq. ft. of glass to Tomatoes and 24,000 sq. ft. to Mushrooms in this range.

Way Bros. have given up growing Carnations and are now growing vegetable stock only; and like almost all Kennett Square growers are growing Mushrooms.

H. K. Hicks has some 23,000 sq. ft. of glass devoted to Carnations, Sweet Peas and English Mushrooms. Mr. Hicks tells of a time when a 25-lb. shipment of Mushrooms would be answered by a postal saying the market was glutted, illustrating the change in demand in a few years, tons now being shipped by Chester County growers.

E. C. Marshall has 18,000 sq. ft. of glass, erected last year, and devoted to Carnations of standard varieties. Mr. Marshall is well known as a first-class grower of Carnations, and at this time is rapidly filling up his benches.

J. H. Pyle & Son of Willowdale have 5000 sq. ft. of glass devoted to Carnations, and several acres of land in Tomatoes, Gladioli, Asters, Privet, Cannas and regular nursery stock.

Rakestraw, Pyle Co., of the Willowdale Nurseries, have some 500 acres, one-third of which is devoted to fruit trees, evergreens, shade and ornamental trees and shrubs. This firm was established in 1866. A good trade is reported for the year. Some 15,000 sq. ft. of glass is used for propagating the nursery stock.

J. M. Palmer is building a new house of 10,000 sq. ft. of glass, with concrete wherever possible, which will be devoted to Carnations. This makes a total range of 25,000 sq. ft., all to Carnations.

J. B. Swayne is building a new Mushroom house, 80x100 ft., making over 150,000 sq. ft. of glass devoted to Mushrooms, the largest place in the country for the purpose.

Swayne & Powell are finishing four large houses, which will be devoted to Carnations.

P. M. R.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

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



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Holds Glass Firmly
See the Point of
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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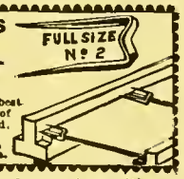

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ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

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San Francisco

The Market

Market conditions are reported satisfactory, from all sources, and business is getting better every day. Retailers report that they have no reason to complain, as business is steady and the demand for flowers is good, considering the time of the year. Carnations continue scarce, although there is a little improvement in the quality of the blooms brought into the market. Roses are still of very poor quality, but with the continuance of the present cool weather the quality should soon improve. Asters are the most popular flowers at present, and some very choice lots were disposed of last week. Gladioli and Dahlias are in heavy supply and move slowly. Chrysanthemums are beginning to make their appearance in much larger quantities, and some very nice blooms were to be seen in the past few days.. Orchids are scarce, although a few nice blooms can still be had when they are called for. Phalænopsis amabilis is to be seen in limited quantities. In green goods there is a good demand for Maidenhair Ferns, also for Asparagus and Smilax. Taken altogether, trade is very good at present, and both growers and retailers are well satisfied.

Various Notes

The MacRorie-McLaren Co. have some very fine tree Ferns on show at their nursery at San Mateo. Some remarkably good specimens of Dicksonia antarctica were noticed, also some nice specimens of Cyathea medullaris.

Domoto Bros. have a fine lot of Begonia Gloire de Lorraine coming along at present for their Christmas trade. Quite a few Chrysanthemums are being shipped to town by this firm these days.

J. B. Coryell of Menlo Park has returned from his European trip. He intends to build four more houses next season, to be devoted to the cultivation of Orchids.

C. F. Eltzholtz, representing the Charles H. Lilly Co., was a recent visitor in town.

The California Hop season is in full swing at present and thousands of people are spending their vacations picking Hops in the great Hop fields near Largo. A special train left San Francisco this week with 400 men and women for the Hop fields.

Jules Fonta, superintendent of Audubon Park, New Orleans, has been spending a few days in the city, as the guest of John McLaren, superintendent of Golden Gate Park.

The Admission Day Festival, which will be held in San Francisco during the month of October, promises to excel anything of its kind ever held in the city. It is particularly gratifying to note that the grand marshal, Angelo J. Rossi, is one of our leading florists, and will be responsible for the elaborate scheme of decorations to be carried out during the celebration. Mr. Rossi is a decorator of more than ordinary merit in the florists' line of work, and we feel sure that his genius will be shown to good advantage in the street decorations.

Podesta & Baldocchi report business as being very good. Several large decorations have kept them busy of late.

WM. MCM. BROWN.

PECKVILLE, PA.—W. J. Broad is putting in a large steam heating plant to heat his new greenhouse on Prospect Hill.



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO.
DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK

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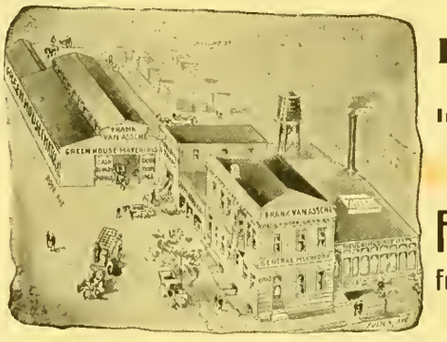
GREENHOUSE MATERIALS



FURNISHED and ERECTED
IRON or WOOD
SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection

Frank Van Assche
Fulton Ave., Rose Ave. & Dwight St.
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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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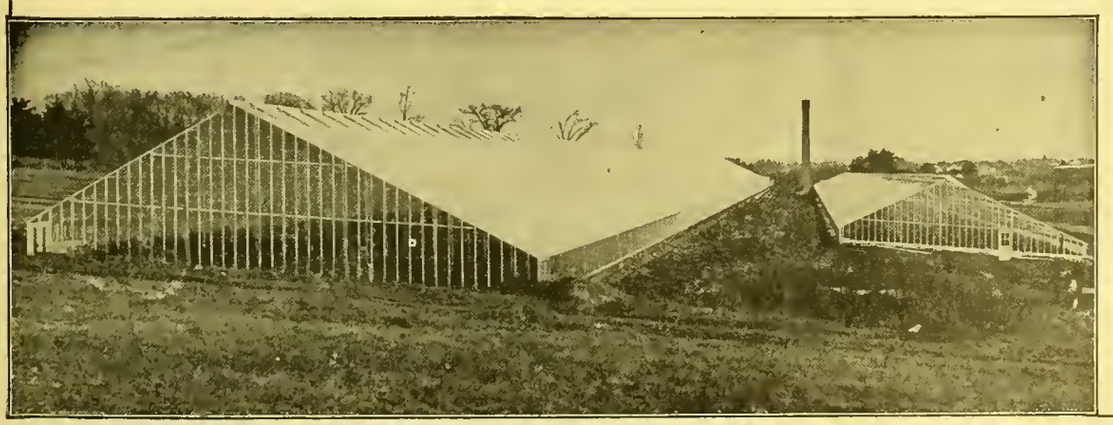
We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

? ? ?

DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline need by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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CONCRETE BENCHES

Illustrating the easy manner with which our Concrete Benches can be installed in your house.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

WILSON-HOYT CO.
ONE MADISON AVE.
NEW YORK

Please mention the Exchange when writing.



THE BURNHAM

In talking to you about the Burnham's three times fire travel, we apparently have neglected to bring clearly to your attention the fact that this travel is *three times in each half of the boiler*. So do not confuse it with boilers having only a *total travel* of three times. The longer the fire travel, the shorter the coal bill. There is no boiler constructed like The Burnham—No boiler with as long a fire travel. Send for catalog and special discount prices.

LORD & BURNHAM CO., IRVINGTON, N. Y.
New York, St. James Bldg. Boston, Tremont Bldg.
Philadelphia, Heed Bldg. Chicago, The Rookery

Please mention the Exchange when writing.



FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

Please mention the Exchange when writing.

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it, taking into account all the conditions.

When a man knows his greenhouses will stand he is at liberty to put all his time and thought to growing things, and that is what he wants to do. Write for our Bulletins.

KING CONSTRUCTION CO.

NORTH TONAWANDA, N. Y.

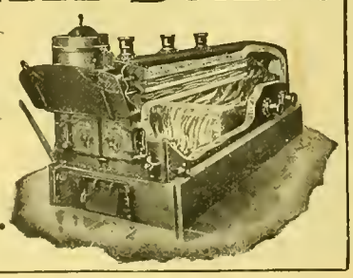
Please mention the Exchange when writing.

THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.

Prices and Catalogues on application



KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

Please mention the Exchange when writing.

GET OUR PRICES Before Placing Your Order On Louisiana Red Cypress

GREENHOUSE MATERIAL, also let us quote you on Steel Truss Work, Steel Purlins, Galvanized Steel Gutters, Pipe Fittings, Glass, etc., etc.

VENTILATING MACHINERY

PECKY CYPRESS HOT BED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

Please mention the Exchange when writing.

"A Defense of the Spencer Type of Sweet Peas

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 11 NEW YORK AND CHICAGO, SEPTEMBER 10, 1910 One Dollar Per Year

Lilium Harrisii

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.
6 to 7 inch bulbs, 350 to the case, $17.50 per case; less quantities, $6.00 per 100
7 to 9 inch bulbs, 200 to the case, 18.00 per case; less quantities, 10.00 per 100

NARCISSUS PAPER WHITE GRANDIFLORA
14 c|m bulbs, 1000 to the case, $1.25 per 100, $11.00 per 1000.

BERMUDA BUTTERCUP OXALIS
Extra size bulbs, $0.75 per 100, $6.00 per 1000.

FREESIAS, FRENCH-GROWN
Bulbs ½-inch and up in diameter, $1.00 per 100, $8.00 per 1000.

WHITE ITALIAN HYACINTHS
12 to 15 c|m bulbs, 1150 to the case, $2.50 per 100, $22.00 per 1000.

WHITE ROMAN HYACINTHS
12 to 15 c|m bulbs, 2000 to the case, $2.75 per 100, $25.00 per 1000.
13 to 15 c|m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of **Nephrolepis**, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, $1.00 each; strong young plants, 2¼-inch pots for growing on, $10.00 per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2¼-inch pots for growing on, $10.00 per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, 25c. each; large specimens, 8-inch pans, $1.00 each.

Bostoniensis. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants ..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen. $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
3-inch pots ..... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch	$8.00	$75.00
" "	2½-inch	6.00	55.00
White Killarneys,	2½-inch	8.50	80.00
My Maryland,	2½-inch	6.00	55.00
700 Chatenay,	3½-inch	8.00	75.00
200 "	2½-inch	5.00	

BEGONIA GLOIRE DE LORRAINE
(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

☞CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

Geraniums

WE are Headquarters. For quite a number of years we have striven to get in a position where we could make this claim. Now we make it without fear of successful contradiction, and in proof thereof we invite a critical inspection of our stock and facilities for propagation.

We are now shipping fine stocky plants from 3-inch pots in a good assortment of Standard kinds at $3.00 per 100, $25.00 per 1000.

Cannas and Dahlias. Send for List.

Alyssum and Swainsona,
White, 3-inch, at $3.00 per 100.

R. Vincent, Jr. & Sons Co.
White Marsh, Md.

Please mention the Exchange when writing.

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King "Spawn"

Fresh Milltract—with lots of Mycellum in the bricks—sure cropper—100 LBS. $7.00.

BULBS

	Per 100	Per 1000
WHITE ROMANS, 11-12 ctms.	$2.25	$20.00
WHITE ROMANS, 12-15 ctms.	2.75	24.00
WHITE ROMANS, 13-15 ctms.	3.00	28.50
NARCISSUS—Paper White Grandiflora	1.15	9.00
NASCISSUS—Early Double Roman	1.25	9.00
LILIUM CANDIDUM—Extra Bulbs	5.00	45.00
LILIUM FORMOSUM, 7 to 9	8.00	70.00
LILIUM FORMOSUM, 9 to 10	10.50	95.00
LILIUM HARRISII, 5 to 7	5.00	45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Narcissus–Paper White Grandiflora



Vaughan's Star Brand

Per 1000 ..... $10.50

Fancy

Per 1000 ..... $8.50

Lilium Formosum

	Per 1000
7-9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00

Lilium Harrisii

5-7 in.	$40.00 per 1000
6-7 in.	60.00 per 1000
7-9 in.	85.00 per 1000

Freesias — French Grown Mammoth, $8.00 per 1000.

Romans, Callas, Candidum, Chinese Lilies

Just arrived, first shipment of Dutch Bulbs.

FREE VAUGHAN'S BOOK FOR FLORISTS NOW READY **FREE**

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

STUMPP & WALTER CO.'S

Winter Flowering

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. New crop seed has just arrived, and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. C. H. TOTTY, Lavender	.15	.50	1.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50

READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

Roman Hyacinths

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00
White, 15 ctms. and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

	Doz.	100	1000
5 x 7, 400 to case	$0.75	$5.00	$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	1.25	8.50	75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

THICK PETALED VARIETY	1.00	6.50	60.00

Freesia Bulbs

	100	1000	5000
REFRACTA ALBA MAMMOTH	$1.50	$10.00	$45.00
REFRACTA ALBA, Selected First Size	.85	7.00	34.00
JUMBO BULBS	2.00	15.00	70.00

Stumpp & Walter Co.

50 Barclay St., NEW YORK

Please mention the Exchange when writing.

NOW READY
FULL LINE

DUTCH BULBS



Paper White Narcissus—White Romans
Lilium Harrisii—Freesias

PURE CULTURE and ENGLISH MUSHROOM SPAWN
HIGHEST QUALITY—REASONABLE PRICES

See Our Giant Pansy offer in last issue
Write for our Wholesale Bulb List

Johnson Seed Co., 217 MARKET ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

JAPAN BAMBOO STAKES

Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65c. per 100, $5.00 per 1000, $9.00 per 2000.

Dyed Green, 2 feet, 35c. per 100, $2.50 per 1000.

Dyed Green, 3 feet, 50c. per 100, $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

Special Offer

(To clear out)

COLD STORAGE LIL. GIGANTEUM, 300 in case, 7x9 size. In finest condition, per case of 300, $21.00.

We also offer:

LIL. CANDIDUM, extra large, 12 thick petaled stock	100 $0.60	$4.50
LIL. CANDIDUM, mammoth bulbs, thick petaled stock	.85	6.00
LIL. CANDIDUM, Jumbo bulbs, Monstrous petaled stock	1.00	6.00
LIL. HARRISII, 7x9	1.26	8.60
LIL. HARRISII, 9x11	2.75	20.00

Send for our Trade Fall List.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Primroses

Improved Chinese Finest grown. All colors mixed, single and double, strong, ready for 4-inch pots, $4.00 per 100.

Cyclamen Giganteum Very extra fine, 3-in., ready for 4 or 5 inch pots, $5.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

Primula Kewensis the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 600 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ⅛ oz., 75c.; ¼ oz., $2.75; 1 oz., $5.00.

PAPER WHITE NARCISSUS

Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 ctms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.

Send for Florist's Wholesale Price List

Please mention the Exchange when writing.

WE PRINT CATALOGUES

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Nos. 2 to 8 Duane Street, NEW YORK
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.,

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	6.00
Roseum, Rosa V. Marlenthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Thorburn's Bulbs

Trade Bulb Catalogue Now Ready

LILIUM HARRISII
HIGH GRADE STOCK, 5 to 7, 6 to 7, 7 to 9, 9 to 11, AT POPULAR PRICES.

ROMAN HYACINTHS—PAPER WHITE NARCISSUS—DUTCH BULBS

CYCLAMEN GIGANTEUM SEED
Very Best Strain. New Crop Now Ready.

Inquiries Solicited.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec, Leonard Vaughan, Chicago, Ill.

A. J. Pieters, senior member of the Pieters-Wheeler Seed Co. of Hollister, Cal., is locating in Ann Arbor, Michigan, where he will fill the chair of botany in the University of Michigan. Mr. Pieters has given up the greater part of his interest in the seed business.

EL PASO, TEX.—The David Seed Co. of Dallas, is contemplating opening a branch house here.

SIOUX CITY, IA.—The Sioux City Seed & Nursery Company is offering a $100 cup for the best ten ears of Corn displayed this year at the Interstate Live Stock Fair in Sioux City.

LINCOLN, NEB.—The warehouse and elevator of the Griswold Seed Co. was recently damaged by fire, the loss on buildings and stock amounting to over $30,000, fully covered by insurance.

IMPORTS, ETC.—Aug. 29.—Vaughan's Seed Store, 6 cases Mushroom spawn. Lunham & Moore, 38 pkgs. Mushroom spawn. Maltus & Ware, 12 cases live plants. Aug. 30.—Lunham & Moore, 38 pkgs. Mushroom spawn; Peter Henderson & Co., 48 cases bulbs; W. E. Marshall & Co., 48 cases bulbs; H. F. Darrow, 42 cases bulbs; W. Elliott & Sons, 5 cases bulbs; Stumpp & Walter Co., 57 cases bulbs; F. R. Pierson Co., 59 cases bulbs; H. H. Berger & Co., 30 cases bulbs; C. C. Abel & Co., 90 cases bulbs; Vaughan's Seed Store, 79 cases bulbs; Weeber & Don, 60 cases bulbs; P. C. Kuyper & Co., 54 cases bulbs; W. Hauptman & Co., 27 cases bulbs; A. T. Boddington, 57 cases bulbs; W. Hageman & Co., 34 cases bulbs; J. Ter Kuile, 8 cases bulbs; C. F. Meyer, 9 cases bulbs; Maltus & Ware, 1665 pkgs. bulbs; P. C. Kuyper & Co., 65 cases bulbs. Aug. 31.—Maltus & Ware, 18 cases bulbs; W. S. Pino, 30 cases bulbs; W. H. Siebrecht, 36 cases bulbs; G. H. Cobb, 33 cases bulbs; Maltus & Ware, 18 cases bulbs; S. Pearce, 6 cases bulbs; Maltus & Ware, 13 cases bulbs; Henry & Lee, 10 cases bulbs; W. Hageman & Co., 181 cases bulbs; Wakem & McLaughlin, 46 cases bulbs; T. J. Grey & Co., 26 cases bulbs; Rose Gardens, Va., 15 cases bulbs; Mann Bros., 24 cases bulbs; C. O'Brien, 11 cases bulbs; H. E. Fiske Seed Co., 31 cases bulbs; J. Fee, 31 cases bulbs; O. G. Hempstead & Co., 16 cases bulbs; J. Dunn, Jr., 3 cases bulbs. Sept. 1.—Herbst Bros., 250 bags Sunflower seed; Maltus & Ware, 1 case dried plants.

European Seed Notes

We are too busy gathering in such of our crops as are ripe, during the few fine hours that are vouchsafed to us, to be able to take full cognizance of things in general, although our friends on your side are clamoring for the information all the

A well known Florist, one who has made good, said: "I would rather have too many Lilies and throw half away, than not enough and turn customers away." The modern up-to-date grower has Lilies on hand all the year; perhaps but a few during dull months, but always some. He finds they will average good returns.

HORSESHOE BRAND Lily Bulbs are recognized as the best brand packed today.

Write for prices.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Order Your Cold Storage Lily Bulbs at once for Xmas Flowering

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen

5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Dutch *and* French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

LILY BULBS

Ready for Immediate Delivery.

	Per 1000
LILIUM FORMOSUM	
7/9	$65.00
8/10	87.50
9/10	90.00
LILIUM HARRISII	
7/9	90.00
LILIUM JAMESII	
6/7	72.00
7/9	95.00

NARCISSUS—Paper White, Grandifloras, 14/up, 1000 to a case, $11.00. This stock is of the finest grade obtainable. No better stock is being offered.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg, PHILADELPHIA, PA.

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

time. As everybody is, not unreasonably, anxious about Peas, it may be as well to outline what prospects up to date are like—premising always that it is quite understood by our friends that the bulk of the Peas, early as well as late varieties, are still in the fields. One of our inspectors saw this week a 20-acre field of Ameer which he quite expected would have been cut and carried by this time, but which to his surprise was still uncut, and hardly fit to cut even if the weather had been favorable. Midseason varieties, such as Telegraph, Prince of Wales, Pride of the Market, Duke of York and Stratagem promise nearly a full crop. First early white and blue, i. e., Alaska, Velocity, etc., vary considerably, but 40 to 60% is about the average. Gradus and Telephone are nearly half a crop; but Thomas Laxton has done badly, which is a great surprise. The later sorts, such as Duchess, Duke of Albany, Prince Edward, Alderman and Daisy may be averaged at about 25%. Not very cheerful reading, but it might have been, and may yet be worse. The Wonder class has gone to the bad altogether and no wonder (*Pace*, Mr. Editor, it's no joke I assure you).

Turnip crops are being threshed between the showers, nearly six weeks late, but about up to estimates.

Capsicums have never prospered, and the failure of quite a large proportion of the crop appears to be inevitable; the thick fleshed sorts have suffered the most.

Tomatoes are no better, but we suppose the crops of this article on your side will be extra good.

We are informed on the best meteorological authority that the great heat on your side is the cause of all our trouble. If this be true we hope to even things up next year.

Mr. DesRoche, of the D. M. Ferry Co., Detroit, was a recent caller.

EUROPEAN SEEDS.

American Notes

The Weather Curtails Business

The very warm wave accompanied, as it has been, with such high humidity, has, of course, curtailed seedsmen's sales, especially of bulbs at retail; but this condition will only be temporary. Just as soon as we get the least semblance of a frost, bulb business will start with a rush. As has been noted in this column several times during the past two or three months, the seedsmen, as a whole, all over this country, are importing more Dutch bulbs and French stock than ever before; but large as their imports are, as shown by the manifests of every incoming steamer, it looks very much as if the demand will be such that it will not be long after we do get a heavy frost before shortages in bulbs will begin to crop out in more than a few directions. It certainly does seem, at this writing, that so strong will be the bulb trade that it will be necessary to order large quantities of stock (if obtainable) very soon after the bulb selling season really opens. There is little to mention in other lines except that our seedsmen are very busy in everything that is seasonable.

Seed Advertising

One of our most expert seedsmen has said that "the only man whose seed business does not need advertising, is the man who does not want to sell anything." The writer stated last year in this column, and also in the year before, and the year before that, that a very large number—and this is a well-known fact—of our hardest headed seedsmen pay little or no attention to seeing that they obtain any proper and adequate returns from the money they yearly spend in advertising. Seed advertising is not an expense that for some unknown reason must be incurred because all competitors advertise, but it is an investment which, properly attended to, will yield returns much beyond the expectations of even the most sanguine advertiser. It is not possible to more than outline the serious consideration and study that should be given by every seedsman to his advertising. If he does so the coming season, every dollar which he spends will bring him substantial business profits at once, and, even of

SEEDS

Imported From France

400 lbs. Globe Radish, 400 lbs. Spinach, 50 lbs. Corn Salad, 20 lbs. Endive, 10 lbs. Welsh Onion, 20 lbs. Strasburg Radish, 20 lbs. White Onion, 40 lbs. Lettuce, 5 lbs. Pansy, 4 oz. Daisy, 4 oz. Hollyhock.

BEAULIEU

Woodhaven, N. Y.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 839 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

more value, make his name known for the years to come.

Nursery Stock

It seems well to remind those seedsmen and dealers in horticultural and agricultural goods who have not, up to the present time, done very much with nursery stock and plants, that the season will very soon be upon us when everything in nursery stock and plants will be in most active demand, and that there is no business that cannot be largely increased in this line with much benefit. It is not necessary to carry any stock whatever of either nursery stock or plants, as it is a very easy matter to make arrangements with dealers in both these lines to supply orders as received, and the substantial discount obtained from such sales is surprising as to its amount at the end of the season in proportion to the labor involved in handling these two lines. Almost every seedsman who has added these lines to his business has, in a very few years, been obliged to publish a catalog to keep up with the trade which was practically forced upon him from season to season. The demand for nursery stock and plants, enormous as it is, is increasing every year and advantage should be taken of it.

The Seed Crops

It is with real satisfaction that the writer can announce that several reports regarding the seed crops, received during the past few days, have been a little more encouraging than would seem possible to be the case, and if we should have a couple of weeks of growing weather from now on, the percentage returns of Peas, Beans and Corn, especially late Corn and some varieties of late Peas, may be quite a little better than expected; but whatever the yields may be, it is not well to act on the idea, as quite a number of seedsmen are now talking, that there always have been seeds and there always will be, as many seed shortages hold right through the whole list, which will be found radical, vexatious and hard to overcome. Seeds are short, and will be shorter, and at advancing prices very soon. V.

New York Seed Trade

Einar Knutssön, representing Hjalmar Hartmann & Co., Copenhagen, Denmark, has arrived in this country, by S. S. "C. F. Tietgen," to look after the business in Danish-grown Cauliflower and Cabbage seeds for his firm. He has made this trip in place of Mr. Hjalmar Hartmann, who is well known to the trade, but who could not spare the time on account of increased culture, which requires his personal attendance.

The hot wave is for the moment affecting all lines of seed business most adversely. Bulbs which were beginning to sell quite a little must wait for cooler weather, but our seedsmen are almost glad to have a little rest to put in order the enormous shipments of Holland bulb stock which are daily arriving. The first frost, which may come now at any time, will start the Autumn campaign in real earnest.

J. M. Thorburn & Co. are distributing their Autumn Bulb List. It is a very comprehensive catalog of 40 pages and cover, illustrated with excellent halftones and, as usual, contains full lists and descriptions of all standard bulbs and novelties of merit in the line of bulb stocks for Autumn planting.

The MacNiff Horticultural Co., at 62 Vesey st., commences what will be its regular twice weekly sales of nursery stock and plants at auction next Tuesday, Sept. 13. The company will hold these sales every Tuesday and Friday throughout the Fall season, commencing promptly at 11 a.m. Mr. MacNiff informs us that he has made arrangements for a full assortment of fine quality stocks in all lines.

David S. F. Adam, who, a few days since, severed his connection, with the house of J. M. Thorburn & Co., where, for the past ten years, he has had charge especially of the implement department, has connected himself with the "Buds" Seed Store at 76 Barclay st. Mr. Adam will travel considerably in his new position. In this connection, it may be mentioned that the "Buds" Seed Store have leased ample storage quarters across the street at 81 Barclay st., which, at present, is being filled with their arriving shipments of Dutch bulbs. Mr. Adam says the advertisement concerning him, which appeared in the want columns of last week's issue of a Western contemporary was entirely unauthorized, and printed without his knowledge.

Vaughan's Seed Store reports excellent sales, even thus early, of Ferns, Ficus plants and other house plants. In this line the store has certainly worked up a very large retail trade and a profitable one.

The Stumpp & Walter Co. has outdone itself this week with its window display. The effect is all that can possibly be desired, and yet it is simply a window of four or five kinds of standard Dutch bulbs, neatly labeled, the signs used being white letters on a green background.

Wm. Elliott & Sons are receiving the first returns from their Autumn Bulb Catalog, which they mailed last week, and are much pleased with the early and good orders daily being received.

Peter Henderson & Co. report that their sales of pot-grown Strawberry plants are much increased and are, in fact, the largest they have ever experienced.

Burnett Bros. are very busy shipping their advance bulb orders and feel that if orders keep coming in as largely as they have been received to date, many shortages will early be noticeable.

Tuesday morning brought many of the craft home from their vacations—to the hottest and most disagreeable weather we have experienced in this city this season.

J. M. Thorburn & Co. are displaying quite a collection of Squashes, neatly labeled. It is a most excellent plan, as customers cannot be made too familiar with the products, properly grown, of the seeds they continually purchase.

J. C. Schmidt of Bristol, Pa., is shipping to this city some of the best grown Violet plants seen here in some time. Governor Herrick, Princess of Wales and Lady Campbell are among the varieties.

M. H. Brunjes & Sons, 1581 Myrtle ave., Brooklyn, N. Y., are distributing their first Fall bulb catalog. It is a very neat and attractively illustrated list of 16 pages and cover, the illustrations being halftones, from the press of the A. T. De La Mare Ptg. & Pub. Co., this city.

STUMPP & WALTER CO.'S SPECIAL BULB OFFER

LILIES

LILIUM HARRISII

(Excellent for Early Forcing)

The true Lilium Harrisii, grown by the most experienced and successful grower of selected "Harrisii" in the Island of Bermuda.

	100	1000
5 to 7 inch (400 to case)	$5.00	$40.00
6 to 7 inch (335 to case)	6.00	50.00
7 to 9 inch (200 to case)	9.00	80.00

LILIUM FORMOSUM

An excellent type of Lily grown in the Islands south of Japan. Thus far has proven to be free from disease and while an uneven grower, this does not diminish its value, as almost all growers have use for pot plants as well as cut Lilies.

	100	1000
6 to 8 inch (400 to case)	$4.50	$40.00
7 to 9 inch (300 to case)	8.00	70.00
9 to 10 inch (200 to case)	10.50	95.00

LILIUM GIGANTEUM (Dark Stem)

This variety has stood the test as a Japanese sort for Easter forcing and is highly recommended by the large growers as being the best Easter variety; the actual loss by reason of disease is very small.

	100	1000
6 to 8 inch (400 to case)	$4.00	$36.00
7 to 9 inch (300 to case)	7.00	60.00
8 to 10 inch (250 to case)	9.50	85.00
9 to 11 inch (200 to case)	10.50	95.00

LILIUM CANDIDUM

	100	1000
Mammoth Bulbs, 9 to 11 in.	$5.50	$40.00
True Thick Petal Variety	6.50	60.00

LILIUM LONGIFLORUM

	100	1000
7 to 9 inch (300 to case)	$4.50	$40.00
9 to 10 inch (200 to case)	8.00	70.00

LILIUM MULTIFLORUM

	100	1000
6 to 8 inch (400 to case)	$3.00	$27.50
7 to 9 inch (300 to case)	5.50	50.00
9 to 10 inch (200 to case)	9.00	80.00

Hardy Japan Lilies

Excellent for pot or field culture.

Can supply late Fall or early Spring delivery. Carry large stock in cold storage for early Summer delivery; excellent for Thanksgiving and Christmas forcing.

LILIUM AURATUM

	100	1000
8 to 9 inch (160 to case)	$6.00	$50.00
9 to 11 inch (100 to case)	9.50	90.00
11 to 13 inch (75 to case)	15.00	140.00

LILIUM ALBUM (Speciosum)

	100	1000
8 to 9 inch (200 to case)	$9.00	$85.00
9 to 11 inch (125 to case)	15.00	125.00
11 to 13 inch (100 to case)	25.00	200.00

LILIUM MELPOMENE (Speciosum)

	100	1000
8 to 9 inch (200 to case)	$5.50	$45.00
9 to 10 inch (125 to case)	9.00	80.00
11 to 13 inch (100 to case)	12.00	115.00

LILIUM RUBRUM (Speciosum)

	100	1000
8 to 9 inch (200 to case)	$5.00	$47.50
9 to 11 inch (125 to case)	8.50	80.00
11 to 13 inch (100 to case)	15.00	125.00

White Roman Hyacinths

	100	1000
12 to 15 centim. (2000 to case)	$2.75	$24.00
13 to 15 centim. (1500 to case)	3.25	30.00

Freesia Bulbs

	100	1000	5000
Mammoth Refracta alba	$1.60	$10.00	$45.00
First Size Selected Refracta alba	.85	7.00	34.00
Jumbo Refracta alba	2.00	16.00	70.00

Dutch Hyacinths

Miniature Hyacinths

(Dutch Romans)

13 to 15 centimeters

Selection of 12 Named Varieties, 100 $2.00, 1000 $18.00, 5000 $80.00

Baroness von Thuyll. One of the best whites.
Blondin. Lavender blue.
Cardinal Wiseman. Dark red.
Gertrude. Dark Rose.
Gigantea. Light rose.
Grandeur a Merveille. Blush white.
Grand Maitre. Fine light blue.
King of the Blues. Dark blue.
La Grandesse. Pure white.
L'Innocence. Best white.
Queen of the Blues. Fine light blue.
Roi des Belges. Red.

First Size Selected Named Dutch Hyacinths

This grade of Hyacintha is what is known to the general trade as the Selected First Size Stock and the best obtainable.

Single Pink, Red and Rose

	Doz.	100
Cardinal Wiseman. Fine rose	$1.00	$7.00
Charles Dickens. Blush-pink, shaded white; very fine truss	1.00	6.50
Garibaldi. Brilliant carmine; very fine forcer	1.00	7.00
Gertrude. Rosy pink; large, erect spike; of exceptional value for either bedding or forcing	1.00	7.00
Gigantea. Rose and blush; large bells, extra large close truss; one of the best pink Hyacinths	1.00	7.00
Jacques. One of the largest rose	1.00	7.00
Lady Derby. Waxy pink; very large	1.50	11.00
Lord Macaulay. Bright rosy carmine; large bells and spikes	1.00	7.00
L'Ornament. Soft flesh-pink, tinted with deeper rose-pink; splendid large spike	1.50	11.00
Robert Steiger. Fine, deep crimson	1.00	6.50
Roi des Belges. Very large, full spike; fine deep rose	1.00	6.50

Single Pure and Blush-White

	Doz.	100
Angenis Christina. Pure white	$1.00	$7.00
Albertine. Very early; fine form; pure white	1.00	7.00
Baroness van Thuyll. Snow-white, large, compact truss of many bells	1.00	7.00
Blanchard. Very early; pure white	1.00	6.50
Grande Blanche. Blush-white	1.00	6.00
Grandeur a Merveille. Finest blush-white; extra fine truss	1.00	6.00
La Franchise. Blush-white; large bells	1.00	6.00
La Grandesse. Pure white; long spike	1.25	8.00
L'Innocence. Pure white; an excellent flower	1.00	7.00
Mme. Vanderhoop. Pure white, large bells	1.25	7.00
Mr. Plimsoll. Blush white	1.00	7.00
Pavilion Blanc. Pure waxy white	1.00	7.00
Voltaire. Waxy white	1.00	7.50

Single Light and Dark Blue

	Doz.	100
Baron van Thuyll. Bright blue	$1.00	$7.50
Blondin. Beautiful silvery blue; compact spike	1.00	7.00
Charles Dickens. Light blue, shaded purple	1.00	7.00
Czar Peter. Large; porcelain-blue, light center; grand truss	1.00	7.00
Enchantress. (New.) Excellent; light blue	1.50	11.00
Grand Maitre. Grand, large truss, pure ultramarine blue	1.00	7.00
King of the Blues. Rich dark blue, large bells, broad spike	.85	6.50
La Peyrouse. Fine light blue, large bells; fine large spike	1.00	6.00
Leonidas. Very light blue; early	1.00	7.00
Marie. Deep purple-blue, with light blue stripe; extra; large and compact	1.00	7.00
Queen of the Blues. Porcelain-blue; large truss	1.00	7.00
Regulus. Excellent porcelain-blue; large and compact truss	1.00	7.00

Single Yellow and Orange

	Doz.	100
Ida. Pure yellow	$1.00	$7.00
Sonora. Salmon-yellow; early	1.00	7.00
King of the Yellows. Pure bright yellow	1.00	7.00
Yellow Hammer. Golden yellow	1.00	7.00

Double Red, Rose and Pink

Bouquet Royal. Fine rose, dark shaded	$1.00	$7.00
Bouquet Tendre. Brilliant carmine-red	1.00	7.00
Chestnut Blossom. Exquisite blush-pink, shaded to deeper rose; an exquisite flower	1.00	7.50
Kohinoor. Fine pink	1.00	7.00
Minerva. Salmon, with rosy carmine stripe	1.00	6.50
Prince of Orange. Semi-double light pink	1.00	8.00

Double White and Blush-White

La Tour d'Auvergne. The earliest pure white; extra fine	$1.00	$7.00
Isabella. Fine blush-white	1.00	6.50
Prince of Waterloo. Pure white, fine spike	1.00	6.75

Double Light and Dark Blue

Blocksberg. Pale porcelain-blue	$1.00	$7.00
Charles Dickens. Fine dark blue, shaded lilac	1.00	6.50
Lord Raglan. Lilac-blue	1.00	7.00
Van Speyk. Light blue; fine truss	1.00	6.50

Double Yellow

Goethe. Light yellow, fine bells; large truss	$1.00	$6.50
Jaune Supreme. Splendid rich yellow	1.00	7.00
William III. Yellow, tinted orange	1.00	7.50

Price per our selection, dnz. 85c., 100 $6.50, 1000 $60.00.

S. & W. Special Bedding and Forcing Hyacinths

The bulbs under this heading are of a much larger size than those put in ordinary mixtures; in fact, they are the second size Named Sorts. They will produce grand spikes of bloom, and the different sorts, as offered below, all being of one shade of color and all blooming at one time, render them of great value for forcing or bedding out, especially in designs, enabling one to secure the exact color effect desired, which is a great advantage over mixed reds, mixed blues, etc., at but a slight advance in price.

All Single Varieties

	100	1000
Special Deep Rosy Red	$4.50	$35.00
Special Salmon Pink	4.50	35.00
Special Bright Pink	4.50	35.00
Special Blush Pink	4.50	35.00
Special Lavender	4.50	35.00
Special Bright Blue	4.50	35.00
Special Mixed	4.00	30.00
Special Porcelain Blue	4.50	35.00
Special Purple	4.50	35.00
Special Snow White	4.50	35.00
Special Pure White	4.50	35.00
Special Blush White	4.50	35.00
Special Waxy White	4.50	35.00

Extra strong bulbs, 15 centimeters (about 6¾ in.) and upward in circum.

Dutch Hyacinths, Mixed

Extra strong bulbs, 15 centimeters (about 5¾ in.) and upward in circum.

Single

	100	1000
Pure White	$3.00	$25.00
White	3.00	25.00
Red	3.00	25.00
Rose	3.00	25.00
Light Blue	3.00	25.00
Dark Blue	3.00	25.00
Yellow	3.00	25.00
Our mixture of the above	3.00	25.00

Double

	100	1000
Pure White	$3.00	$26.00
White	3.00	26.00
Red	3.00	26.00
Rose	3.00	26.00
Light Blue	3.00	26.00
Dark Blue	3.00	26.00
Yellow	3.00	26.00
Our mixture of the above	3.00	26.00

(Continued on next page)

STUMPP & WALTER CO. 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

STUMPP & WALTER CO.'S
SPECIAL BULB OFFER

Single Early Tulips

The varieties listed below are in our judgment among the best for Florists' Forcing.
Selected Bulbs Only. Varieties listed in bold type capitals are the most suitable in their respective classes.

	100	1000
ARTUS. Bright scarlet	$1.10	$9.50
BELLE ALLIANCE. Scarlet; sweet scented, large flower..	1.90	17.00
Canary Bird. Fine clear yellow	1.00	7.50
CHRYSOLORA. Golden yellow	1.00	7.00
COTTAGE MAID. Bright pink	1.00	8.00
COULEUR CARDINAL. Brilliant crimson; excellent for late forcing	1.25	11.50
Cramoisie Brilliant. Scarlet, early forcing; excellent for pots	1.25	11.50
Crimson King. Bright scarlet; showy bedder	1.25	11.00
Due van Thol. Red and yellow	1.00	9.00
Due van Thol. Scarlet	1.50	12.00
Due van Thol. Yellow	1.75	16.00
Due van Thol. White (maxima)	1.50	13.00
KEIZERKROON. Red and Yellow	1.50	12.00
KEIZERKROON. Jumbo	1.75	14.00
King of the Yellow. Large yellow	1.25	10.50
La Reine. White rose-shaded Mammoth bulbs	1.00	7.00
Mon Tresor. Yellow, early forcer	1.25	11.00
Pottebakker. Scarlet	1.60	15.00
Pottebakker. White	1.25	10.50
Pottebakker. Yellow	1.10	10.00

PINK BEAUTY
Deep glowing rose
White flush in outer petals 100 1000
excellent for forcing ..$4.00 $35.00

	100	1000
Proserpine. Rich, silky rose; early forcer	$2.25	$21.00
ROSE GRIS DE LIN. White shaded pink, excellent for pots	1.00	9.00

ROSE LUISANTE
Deep pink; excellent for forcing.
100 1000
Good selling variety ...$3.00 $25.00

	100	1000
Rosamundi Huikman. Delicate pink, tinged white	$1.00	$8.00
Thomas Moore. Orange	1.00	8.00
Van Vondel. Red and White	1.25	12.00
Van Vondel. Pure white, very large	2.25	20.00

FLAMINGO
A sport of White Hawk. Excellent forcer; does equally fine as a bedding variety, its dark pink color showing up well in the open.
Per 100 $6.00, per 1000 $50.00

	100	1000
Duchesse de Parma. Red, yellow border	$1.00	$9.00
VERMILION BRILLIANT. Brilliant vermilion scarlet; early	2.00	18.00
WHITE HAWK. January forcing. Large pure white; fine for forcing; good keeper	1.75	16.00
White Swan. Large pure white	1.25	12.00
YELLOW PRINCE. Pure yellow	1.00	7.50
YELLOW PRINCE. Mammoth bulbs	1.25	11.00

Single Tulips, Mixed

	100	1000
Red. Mixed	$1.00	$8.00
Pink. Mixed	.85	7.00
Red and Yellow. Mixed	1.00	9.00
Yellow. Mixed	1.00	8.00
White. Mixed	1.00	9.00
Superfine Mixed. 25 choice vars.	1.00	8.00

Parrot Tulips

(Three-year-old flowering Bulbs)

Admiral of Constantinople. Red; feathered yellow edge.
Couleur Cafe. Rich brown, shaded yellow.
Cramoisie. Rich crimson, shaded blue.
Lutea Major. Yellow.
Markgraaf von Baden. Red and yellow; very showy.

PARROT TULIPS—Continued

Monster Rubra Major. Scarlet; very intense.
Perfecta. Yellow and red.
Special Mixed. Seven named varieties. Per 100 $1.00, per 1000 $8.00.

Double Named Tulips

Extra Selected Bulbs	100	1000
Agnes. Vermilion	$1.60	$14.00
BLANCHE HATIVE. Excellent white, early	1.50	12.00
Couronne d'Or. Yellow, early	2.00	18.00
Duke of York. Red and White	1.00	8.00
IMPERATOR RUBRORUM. Large bright scarlet	2.25	20.00
Le Blason. Light rose	1.25	11.00
La Candeur. White; dwarf	1.25	10.00
MURILLO. Delicate rose, extra selected stock	1.25	12.00
Rex Rubrorum. Scarlet	1.50	12.50
Rose Blanche. Extra large white	1.10	9.00
SALVATOR ROSA. Splendid deep rose	2.25	18.00
Tournesol. Yellow	1.40	12.50
Tournesol. Red and yellow	1.75	15.00

Darwin Tulips

To this class of Tulips belongs the proud distinction of being the most popular of the late flowering types. Their robust stems and large well-formed flowers combined with the fact that they are very hardy makes them a variety which every florist should plant for late or Decoration Day cutting.

	100	1000
Clara Butt. Soft Salmon pink; excellent for bedding or forcing. Height 18 inches	$4.00	$30.00
Europe (Salmon King). Brilliant scarlet carmine; a very attractive variety. Height 24 inches	3.00	25.00
Glow. Brilliant glowing vermilion, center blue margined white. Height 24 inches	3.00	25.00
Gretchen (Margaret). A very graceful variety of pleasing blush rose. Height 30 inches	2.50	20.00
Painted Lady. Steel gray cup; inner petals heliotrope. Height 30 inches	2.50	20.00
Pride of Haarlem. Magnificently formed flower of immense size; color deep salmon rose, shaded scarlet; light blue base	3.00	25.00
White Queen. A very sturdy variety	2.50	20.00

Special Double Mixed

A mixture containing the best varieties in equal numbers and warranted to give satisfaction. 100 $1.00, 1000 $8.00.

Late Flowering Tulips

(May or Decoration Day Flowering)
Tulips listed under this heading are very useful to the florist who wishes Tulips for Decoration Day. When planted where they can remain undisturbed they will remain for years, each year giving a wealth of blooms.

	100	1000
Bouton d'Or (Golden Beauty). A very stately variety of intense yellow; excellent for massing	$0.90	$8.00
Bizarres Mixed. Yellow ground	.90	8.50
Bybloemen Roses. Mixed, white ground	1.10	10.00
Bybloemen Violet. Mixed, white ground	1.10	10.00
Gesneriana True. An immense flower of true dazzling scarlet, blue center	1.00	9.00
Isabella (Blushing Bride). Carmine rose, shaded creamy white; splendid forcer	1.25	10.00
La Merveille. Rich coral color, with light yellow center; pitcher shape	1.50	12.00
Picotee. White; margined rose; a very popular variety	1.25	10.00

Chinese Sacred Narcissus

First Size

Original Basket, 30 bulbs. $1.25
Four Baskets (120 bulbs or one bundle) 4.50
Eight Bundles (960 bulbs) 29.00

NARCISSUS

Trumpet Varieties

	100	1000
Bicolor Horsfieldii. Ex. Double Nose; pure white perianth with yellow trumpet	$1.50	$12.00
Emperor. Large flower; a very fine variety. First size	1.25	11.00
Mother bulbs	1.75	15.00
Empress. Pure white perianth, with rich yellow trumpet. First size	1.25	11.00
Mother bulbs	1.75	15.00
Golden Spur. Deep yellow Trumpet; an excellent forcer. First size	1.50	12.00
Choice Extra Large Mother Bulbs	2.25	19.00
Princeps. Sulphur white perianth, yellow trumpet. First size selected	.75	6.00
Mother bulbs (double nose)	1.00	9.00
Trumpet Major (Dutch Grown) Pure golden yellow, best for early forcing	1.00	9.00
Victoria. To this variety belongs the distinction of being the best variety in the single sorts. Pure white perianth, yellow trumpet. Easily grown and an excellent keeper. First size	1.50	14.00
Mother Bulbs	1.75	17.00
Mixed. All large Trumpet Varieties	.75	6.00

Narcissus Paper White Grandiflora

	100	1000	5000	10,000
First Size Bulbs, 13 centimeters and up (1250 to case)	$1.10	$9.00	$43.75	$85.00
Monster Size, 14 centimeters up (1000 to case)	1.30	11.00	53.75	106.00

Single Varieties

	100	1000
Cynosure. Primrose perianth, large orange scarlet cup	$0.75	$6.00
Incomparable Stella. White, with orange cup	.75	5.50
Incomparable Sir Watkins (Mother Bulbs). Yellow cup, rich sulphur perianth	1.50	12.00
Mrs. Langtry. Broad white petals, margined yellow, white cup	.75	6.50
Poeticus. Pure white flowers; orange cup edged crimson	.50	4.00
Poeticus Ornatus. Same as Poeticus, except has large flower and forces earlier. First size	.65	5.25
Mother bulbs	.80	7.50

JONQUILS

	100	1000
Campernelle. Large yellow	$0.75	$5.75
Double (Sweet scented). Deep yellow	.50	4.00
Rugulosus. Giant flowering, wrinkled cup; fine for forcing	.85	6.50
Single Sweet Scented. Deep yellow	.65	5.00

Double Narcissus

25 at 100 rate
250 at 1000 rate

Von Sion

NOTE—We offer 4 sizes

	100	1000
Extra Fancy Double Nose. Mother bulbs. Usually throwing from three to five flowers. Excellent for pans	$2.75	$25.00
Large Double Nose Bulbs. Extra selected for forcing	2.25	20.00
Mammoth, first size	1.75	14.00
First Size Selected	1.50	12.00

Double Varieties

Alba Plena Odorata. Splendid for outdoor planting. Flower continuously during May. Large and fragrant	.75	8.50
Incomparable Plenus. Yellow	.90	7.50
Orange Phoenix. White and orange	1.00	9.00
Sulphur Phoenix. Sulphur white	1.75	15.00

(Continued on next page)

STUMPP & WALTER CO. 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

Messrs. Brunjes are to be congratulated upon the fact that their trade in Autumn bulbs has increased so largely that a catalog of the same became necessary.

The report that C. McTaggart has severed his connection with W. E. Marshall & Co., the 23d st. seedsmen, is without foundation in fact.

Chas. H. Vick, of James Vick's Sons, Rochester, N. Y., was a visitor this week. Mr. Vick tells us that prospects never were better for a great seed business during the coming Spring season of 1910. There will not be the least trouble in disposing of good seed stocks.

Rickards Bros. have their first arrivals of Dutch bulbs in store, and are ready for the season so soon to open. Their advance orders are larger along this line than in any previous season.

At Boddington's there is great activity, filling the already large number of orders for Dutch and French bulbs received from the Autumn list recently distributed by this house. The indications certainly are for a great season along these lines.

S. D. Woodruff & Sons, the seedsmen of Dey st., New York and Orange, Conn., expect a very large trade, from present indications, in their specialty, seed Potatoes.

J. P. Mallette of Springfield, Mass., was a visitor in town for a few days this week, in the interest of his firm. He reports excellent business in the seed line.

Philadelphia Seed Trade

In farm seeds the sales of the different kinds of Clovers are on the wane, and the chief sales now are Timothy and Wheat seeds. The price of the former is now higher than it has been for several years; the present quotations are from $3.75 to $4.50 per bushel, according to quality.

Many bulbs, Dutch as well as French, have arrived and more are arriving daily. The seedsmen are busy unpacking the cases and reshipping to fill orders. The general consensus of opinion is that the sale of bulbs will be unprecedentedly large.

J. Otto Thilow, secretary of Henry A. Dreer, Inc., has been spending a few days at Atco, N. J., on the trial fields of vines, etc.

Walter P. Stokes, seedsman, has just received another consignment of Dutch bulbs by the steamer Andyke. At the store he is just now displaying some nice specimens of Boston Ferns and also assorted Ferns for pans. Mr. Stokes' Ferns have a fine dark green color, which he attributes partly to the quality of the soil which he has at Moorestown, N. J.

Philip Freud, of the Henry F. Michell Co., has arranged a very interesting display in one of the store windows at 1018 Market st., apparently for calling the attention of the public to certain seasonable stock. The store window is carpeted with soil and out of it are growing artificial potted Strawberry plants. Placed here and there are small saucers of wax Strawberries, imitating some of the leading and newer varieties, such as Bubach. Sample, Senator Dunlap, Kitty Rice, William Belt, Success, Gandy and Stevens' Late Champion. The imitation in color, size and shape is very close. At other points in the window are shallow baskets, about twelve in number, displaying twelve kinds of bulbs; and placed high above all, on standards, are some fine specimens of Boston Ferns. Much skill is shown in the arrangement.

The Johnson Seed Co. is the first house to receive an invoice of Chinese Sacred Lilies.

The Moore Seed Co. is preparing for the Corn cutting season by a display of Eureka Corn knives. A letter to this company from a Nebraska seed grower states that early Sweet Corn will be very short, with many complete failures, and late Sweet Corn no more than 60 per cent. of normal crops; even with no frost in September Field Flint Corn will make no more than 60 per cent. There will be a heavy shortage on Winter Squash and Pumpkins, and Summer Squash were badly damaged by a recent hailstorm.

Danish Seed Crop Report

Cauliflower and Cabbage.—The outlook is very encouraging, both for quality and quantity. The crop is short, on account of early frosts last Fall, before planting time, through which many heads were injured, and also through attacks of insects during the Summer. However, the very favorable weather during the Spring and Summer—contrary to reports from other seed sections—has somewhat straightened out the bad condition; but, nevertheless, a shortage of 25% is expected in Danish Ballhead tall-stemmed, and even more in the Danish Roundhead short-stemmed and Danish Summer Ballhead.

Turnip and Swedes.—Crop excellent.

Mangel-wurzel.— Crop about medium.

Sunflower Growing in Russia

The Sunflower is grown in Russia to a considerable extent, the amount of seed crushed amounting usually to over half a million tons, says Consul John H. Grout of Odessa.

At first the center of its cultivation was in the Province of Tchernigov, Kief, Poltava, and Kharkov, but now the principal cultivation of the plant has moved farther southeast into the Kuban territory and the Province of Stavropol. Much of the seed is eaten by the populace similar to the way Americans use Peanuts, being eaten either raw or roasted. The bulk of the seed, however, is pressed for its oil, which finds a ready sale here as a welcome lenten fare. Since the introduction of improved methods of refining a very palatable oil with a clear and pleasant yellow tint has been produced. The oil is sold here at $10 to $10.75 per 100 pounds. As a rule it is shipped in ordinary wooden casks, although lately tin canisters have been used successfully. Small shipments have been made as an experiment and, strange to say, to such parts of the Mediterranean as are famous for their production of olive oil. Possibly the people there find it profitable to export their more valuable oil and to import for their own use surrogate oils. Other than the above-mentioned shipments, very little Sunflower seed oil is exported from this district, home demand being either equal or more than equal to the supply. At present there cannot be much of this oil in storage, inasmuch as last season's harvest of seed was almost a failure. [Only about 288,000 tons were crushed in all Russia.—B. of M.]

The Week's Work

BY

FRITZ BAHR

Sweet Peas

Thinning Out and Supporting the Plants

We are just finishing the first tying up of the early Sweet Peas, inside. They are planted in benches at the end of a Carnation house, where there is plenty of head room for the vines, and where the temperature during the Winter months hardly ever goes over 50 degrees, and that is about right for the Peas—a little less would do. The specialist considers 48° right, and only too often, failure with Peas is due to a too warm house. The largest flowers, longest stems and healthiest plants we get in early Summer outdoors. The Sweet Peas, and even the Garden Peas, do their best in cool weather, and the indoor flowering sorts are no exception to this rule. Heavy wire across the bench and six feet above, with strings between, form good supports for the vines. The plants from seed sown three to four weeks ago are now about 4 in. in height; and an important thing now to attend to is the thinning out. Don't ever allow six to ten plants per string and expect good results; two to three is all that you want; and, again, two plants will have a chance to branch out, and it is these branches that will make the plants and furnish the flowers. On the other hand, if eight or ten plants are allowed to remain in a bunch, they will keep on growing forever, no matter how much head room you give them, and later on will produce a few flowers on the very top, but nothing to be compared with the others. Do your thinning out while the plants are small and put up the supports in time; to allow the plants to lie all over the bench is wrong, and as long as they have to be supported sometime or another, why not do it at the right time?

Candidum Lilies

This is the Proper Time for Planting

The stock from France is arriving, and whether wanted for the hardy border, the nursery row, or for forcing for next Easter, get the bulbs into the soil as quickly as possible. We haven't found the growing of the L. candidum in pots of late years at all profitable. Here and there we get a call for them in preference to the other Lilies, but there isn't enough demand to really bother with them. Those, however, who wish to get them into bloom for next Easter should experience no trouble having them on time. Pot them up into 5 in. or 6 in. pots, half pots will do, and let them come along in a cold frame until November. They don't want a high temperature; a little over 50 degrees after November will get them into bloom nicely when Easter comes so late. If the stock planted in the field is low, now is the time to plant more. Every retail grower has use for a good supply of outdoor grown candidums, and if you plant in 6 ft. wide beds, by placing a frame over them in Spring you can bring the plants into bloom several weeks earlier; and on the other hand, by shading you can prolong the blooming period. This is worth while taking into consideration, as it means dollars and cents, and that's what we grow the Lilies for.

Carnations

Take Proper Care of the Newly Planted Stock

Stock planted three weeks ago, or more, is by this time nicely established and making good growth, and not a particle of shade should be allowed to remain on the glass. A Carnation plant needs every bit of sunshine from now until next April, in order to do its best. Sun, plenty of fresh air above and below the benches, well drained benches, faithful cultivation of the surface of the soil and keeping the plants clean, are requirements far more essential to the welfare of the stock than the nature of the soil made use of. There are good Carnations grown in a great variety of soil. If sweet soil is made use of, whether light or heavy, the size of flowers and quality will depend on the care you give the plants. Start in now, and start right, by careful watering. Too wet a condition is almost worse than one too dry. Keep the soil lightly stirred up; let it breathe, and thereby keep sweet. Don't allow a yellow leaf on the plants. Avoid a stuffy atmosphere, for that is bad. If there is a part of a bench which doesn't dry out in a reasonable time, look into the matter and open up below. Any bench which does not dry out inside of 48 hours, no matter what the soil, needs attention—there is something wrong.

STUMPP & WALTER CO.'S SPECIAL BULB OFFER

CROCUS

(Mammoth Bulbs)

	100	1000
Baron von Brunnow. Dark blue	$0.50	$4.50
Caroline Chisholm. Pure white	.50	4.50
Cloth of Gold. Very fine	.50	4.50
Cloth of Silver. Silvery white	.50	4.50
King of Blues. Extra large	.50	4.50
Lord Fulding. Striped	.50	4.50
Mad. Mina. Striped	.50	4.50
Mont Blanc. Pure white	.50	4.50
Purpurea Grande. Extra large	.50	4.50
Queen of the White. Pure white	.50	4.50
Sir Walter Scott. Variegated	.50	4.50
Yellow. First size	.50	4.50
Yellow. Mammoth top roots	1.00	8.00
Blue. Mixed	.30	2.50
Striped. Mixed	.30	2.50
White. Mixed	.30	2.50
Yellow. Mixed	.30	2.50

COLCHICUM

(Autumn Flowering Crocus)

Doz. 40c., 100 $3.00, 1000 $28.00.

OXALIS

	100	1000
Bermuda Buttercup	$1.00	$8.00
Alba. White	1.25	12.00
Bowiei. Crimson	.90	8.00
Lutea. Yellow	.60	5.00
Lutea, fl. pl. Double yellow	1.00	8.00
Rosea. Rose	.70	6.00
Versicolor. Crimson and white	.60	5.00
Mixed, all sorts	.70	6.00

GLADIOLUS

Colvillei and Nanus Type

Few florists have failed to grow these Gladioli. Can be planted among Carnations and will flower without any particular amount of attention.

	100	1000
Ackermann. Salmon orange, with white blotches; edged scarlet	$0.75	$6.00
Blushing Bride. Rosy white, with carmine blotch	.90	7.00
Peach Blossom. Most delicate pink; in color greatly resembling America Gladiolus, and while not so large in individual flower; is equally as beautiful	1.25	10.00
Queen Wilhelmina. Delicate pink; with dark pink blotch	2.50	20.00
Sapphn. Soft lilac; white and violet blotch	1.00	8.00
The Bride	.75	5.00

Gandavensis Hybrids

	100	1000
America. Flowers extra large; beautiful Enchantress pink in color	$3.25	$30.00
Augusta. Best florists' white. Selected, First size bulbs, 1¾ in. and up	2.00	18.00
First size bulbs, 1½ to 1¾ in.	1.75	16.00
Brenchleyensis. Best florists' scarlet Selected bulbs	1.75	15.00
First size bulbs	1.50	13.00
May. Pure white, flaked rosy crimson. Good forcer	1.75	15.00
Shakespeare. White and rose; good forcer	4.75	45.00
American Hybrids Mixed. A mixture of very choice vars.	1.00	9.00
S. and W. Co. Florists' White and Light Mixed	1.50	12.00

SPIRAEA

	Doz.	100
Queen Alexandra. A very pleasing pink	$2.00	$15.00
Astilboides Floribunda	1.00	6.00
Compacta Multiflora	1.00	6.00
Gladstone. Best for Florists' use	1.50	10.00
Japonica	.75	4.50

IRIS (KAEMPFERI)

Collection of 20 named varieties, extra large 4-year-old clumps: $3.00 per doz., $20.00 per 100, equally assorted.

IRIS (SPANISH)

Blanchard. White, blue shaded.
British Queen. Large, pure white; extra.
Chrysolora. Bright yellow.
Darling. Bright blue.
La Candeur. Pure white.
Leander. Deep yellow.
Leonidas. Dark violet blue.
Louise. Fine pale blue, slightly spotted.
Philomela (Louis le Grand). Fine pale blue.
Prince of Orange. Bronze and orange.
Splendens. Large blue.
Snowball. White.
All above varieties, 15c. per doz., 75c. per 100, $5.00 per 1000.

IRIS (GERMAN)

Agnes. White frilled and shaded lilac.
Darius. Falls lilac, white striped, standards orange.
Empress Victoria. Pale blue standards; falls purplish blue.
Gloire de Hillegom. Beautiful porcelain blue.
Innocenza. Ivory white.
Macrantha. Blue and violet; large flower.
Mme. Chereau. White, elegantly frilled azure blue at the edges.
Maori King. Rich golden yellow standards; falls velvety crimson, margined gold.
Mrs. Horace Darwin. White, slightly veined violet base.
Queen of May. Rosy lilac.
All above varieties, 40c. per doz., $3.00 per 100, $20.00 per 1000.

PEONIES

Our Peonies are grown by us, and the following list of varieties are the very best for florists' use. If extra large clumps, 6 eyes and over, are wanted, we can supply at double the price. The ones offered are 3 to 5 eyes each:

	Doz.	100
Edulis Superba. Bright rose; extra	$1.50	$10.00
Louis van Houtlei. Self-colored bright red	1.75	12.00
Van Dyck. Pink Festiva	2.25	15.00
Lady Bramwell. Silvery rose; very fragrant	3.00	20.00
Madame Chaumay. Satiny rose; beautiful form; very abundant, late bloomer; compact habit; extra variety for shipping	3.00	20.00
Marie Lemoine. White, center creamy white and carmine; late	3.00	20.00
Duchesse de Nemours. Pure white, perfect flowers, extra fine	3.00	20.00
Duke of Wellington. White, yellowish center; perfect flower; very fragrant	2.25	15.00
Festiva Maxima. Early; very large and full shell-shaped flower; often 6 to 8 inches in diameter, stems 3 to 3½ feet; color snow white, shading to delicate creamy white at base of petals, with an occasional clear purple spot on edges of center petals; very fragrant; finest early white	2.25	15.00
Fragrans. Red; good bloomer; long stems; very good variety	1.50	10.00
Francis Ortegal. Purplish crimson	2.25	15.00

Russian Lily of the Valley

The Earliest, Cheapest and Best Valley in the Market

The Russian Lily of the Valley is not only the finest Valley that was ever imported, but it is decidedly the cheapest for the florist to grow. With proper treatment the pips have produced 100 per cent. of strong stiff spikes, bearing 12 to 15 large pure white bells.

In ordering this Valley, state if it is to be used for early forcing, or for late or Summer forcing, as we have two varieties—early and late forcing.

	1000	2500	10,000
Russian Early Forcing	$15.00	$35.00	$135.00
Russian Late Forcing	15.00	35.00	135.00
Berlin (Ex. Selected)	12.00	28.00	110.00
Hamburg	11.50	27.50	105.00

Miscellaneous Bulbs and Roots

ALLIUM

	100	1000
Neapolitanum. An excellent variety for winter flowering, now extensively forced by florists for cut flowers	$0.75	$6.00

AMARYLLIS

	Doz.	100	1000
Johnsoni, Crimson, striped with white, 7x9	$2.00	$15.00	
Johnsoni. 9x11	3.50	25.00	
Vittata. White, red stripes	4.80	35.00	

ANEMONE

Fulgens. Scarlet	.30	1.75	$15.00
Single Mixed	.15	1.00	9.00
Double-flowered Mixed	.25	1.00	9.00

BEGONIAS

Single tuberous in 9 colors	.40	2.50	22.50
Double tuberous in 9 colors	.65	5.00	45.00

CHIONODOXA

(Glory of the Snow)

Luciliae. Bright blue, with clear white center		.75	6.00
Sardensis. Very deep blue		.75	6.00

CROWN IMPERIALS

Mixed varieties	.75	5.00	45.00

CYCLAMEN

Persicum Grandiflorum. High grade strain	1.00	8.00	75.00

DIELYTRA

(Bleeding Heart)

Spectabilis	1.00	6.00	50.00

FRITILLARIA

Meleagris. Various colors, mixed	.25	1.25	10.00

GRAPE HYACINTHS

Blue	.10	.50	4.50
White	.15	.75	6.50

IXIAS

Extra choice mixed, of 25 named varieties	.10	.50	4.00

LILY OF THE VALLEY

Clumps	2.00	15.00	130.00

ORNITHOGALUM ARABICUM

Star of Bethlehem		1.50	12.00

RANUNCULUS

Mixed Turban	.60	4.50	42.50
Mixed Persian	.50	4.00	35.00
Mixed French	.50	4.00	35.00

SNOWDROPS

Single		.60	4.50
Double		1.00	9.00
Elwesii. Giant		.70	5.00

SPARAXIS

Splendid mixed varieties		.50	4.00

SPRING SNOWFLAKES

(Leucojum vernum)		1.25	10.00

SCILLA SIBIRICA

Mammoth Bulbs		1.00	8.00
First Size		.75	6.50

TUBEROSES

Dwarf Excelsior Pearl. Extra Select Bulbs		1.00	8.00

STUMPP & WALTER CO. 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

Hardy Stock

Proper Time Now to Lift Canterbury Bells

The present is a splendid time to pot up a good number of Canterbury Bells for Winter and early Spring blooming. Even the plants intended for Easter should be potted up now, and what is there more appropriate for that day than a 10 inch pot plant of Campanula in full bloom. Wherever plants are sold for Easter Sunday a good supply of these old favorites should be on hand, and I don't know of anything more showy or more easy to handle. Lift the plants, using just a little care in getting a good supply of roots—not that one couldn't make a Canterbury Bell live with only a very few roots—when transplanting them; the idea is to pot them up with as little check to the plants as possible, and we should bear this in mind no matter what we may lift or transplant. A fair sized field plant requires at least a 6 in. or 7 in. pot. A deep coldframe, where the plants can be shaded for a few days, will soon reestablish the plants; and as soon as the roots begin to show activity, remove every bit of shade and let the plants remain outdoors until the middle or end of October. They will not stand hard forcing, and the plants potted up now can stand less than the ones grown in pots altogether. Keep them in a frame well protected, or in a Violet house temperature indoors until after Christmas. To me, it seems strange that not more of them are grown for the hardy border as well as brought into bloom indoors during the Winter months. We are growing a whole lot of other things in which there isn't nearly as much profit, and a whole lot more work and worry.



NEW CROP SEED FOR SOWING NOW

CYCLAMEN SEED

Michell's Giant Strain

Seed grown for us by a leading specialist in England, and cannot be excelled for size and brilliancy of coloring.

	100 Seeds	1000 Seeds
DUKE OF CONNAUGHT. Crimson	$1.25	$10.00
EXCELSIOR. White with red eye	1.25	10.00
GRANDIFLORA ALBA. Pure white	1.25	10.00
PRINCESS OF WALES. Deep pink	1.25	10.00
SALMON QUEEN. Salmon rose	1.25	10.00
MIXED. All colors	1.00	9.00

Regular Giganteum Strain

	100 Seeds	1000 Seeds
GIGANTEUM ALBUM. White	$0.75	$6.00
" **ROSEUM.** Pink	.75	6.00
" **RUBRUM.** Red	.75	6.00
" **WHITE** with red eye	.75	6.00
" **MIXED.**	.60	5.00

SWEET PEAS

Winter Flowering Varieties

(Originated by Ant. C. Zvolanek)

Sow now to have in bloom for Christmas.

	Oz.	¼ lb.	Lb.
Christmas Captain. Blue and purple.	$0.25	$0.75	$2.00
" **Pink.** Pink and white	.25	.75	2.00
" **White (Florence Denzer)**	.25	.75	2.00
Le Marquis. Large dark blue	.25	.75	2.00
Mrs. Alex. Wallace. Lavender	.25	.75	2.00
Mrs. Chas. H. Totty. Lavender	.25	.75	2.00
Mrs. Edie Wild. Carmine red	.25	.75	2.00
Mrs. F. J. Delanaky. Pink	.25	.75	2.00
Mrs. Geo. Lewis. Pure white	.25	.75	2.00
Mrs. W. W. Smalley. Satin Pink	.25	.75	2.00
Mrs. William Sim. Salmon pink	.25	.75	2.00
Watchung. Pure white	.25	.75	2.00
Mixed	.25	.75	2.00

OUR WHOLESALE CATALOGUE OF BULBS, SEEDS, ETC., FREE

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.

CANNAS

We grow over one million and offer for Fall or Winter delivery, as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wallacei, Hanaoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

Winter Asparagus, Forcing

Place your orders early for Mammoth Eight Year Old **ASPARAGUS ROOTS** for forcing, and you will get the best.
Get into communication with
WARREN SHINN, Nurseryman, Woodstown, N. J.

Please mention the Exchange when writing.

JONQUILS Campernelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.50 per 100; $16.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lamhert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Pansy Plants

Giant Flowering, September 20, 50c. per 100, $2.50 per 1000.

ASPARAGUS

ASPARAGUS Sprengeri, 2¼-in. pots $2.00 per 100

Primroses

	Per 100
Chinese and Forbesii, $15.00 per 1000,	$1.75
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Giganten	3.00
NARCISSUS, Paper White	1.50

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GIANT AND PANSY SEED PLANTS THE KENILWORTH STRAIN

1910 Seed, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00.
Also the following colors of the Kenilworth Strain: **Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Bronze** and **Light Blue Shades.**

Trade Pkt. 25c., any five, $1.00. Plants, 100 50c. 1000 $3.00.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price-List on 10,000 lots. Ready from now on.

IXL Strain of Pansy Plants

LIMITED

You Can't Beat Them. Finest Yet.
1000 lots, at $3.00 per 1000
5000 lots, at 2.50 per 1000
5000 lots and over at same rate.
Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade
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PANSIES

800,000 Brown's Improved Giant Prize Panay Plants. In Mixed and Separate Colors, $3.00 per 1000; $2.50 per 1000, in 5000 lots. Fine, Stocky Plants.

Cash with order.

PETER BROWN, Lancaster, Pa.

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Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.
Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies.

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Cabbage Plants All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

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ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Conn.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Geraniums

Rooting Cuttings During September

By taking some top cuttings from the field plants now, you will induce the plants to produce a lot of side growth which will furnish the very best of material for propagating in the early part of October. With varieties of which there is enough stock on hand for cuttings, there is no need to begin propagating at such an early date. If, however, short on certain sorts, cuttings rooted now will give nice young stock to propagate from during the Winter months. We have always found that there was far more loss with the early taken cuttings, when rooted indoors at this time of the year, than with those in the frame outdoors. For this purpose we use a coldframe; and if a sandy soil is made use of, and a little space allowed between the cuttings, they can remain there after being rooted until the Chrysanthemums are leaving the benches, giving us room inside. Don't attempt to shade the cuttings. If the cuttings are only allowed one leaf each, and that the very top one, they can stand all the sun that shines during September, and nothing will help more than sun and a good circulation of air to prevent damping off of the cuttings, which is the cause of so much loss when trying to root a soft outdoor grown cutting in the sand bench inside.

Stock Plants

Of Such Sorts as are Planted During Summer

Between now and September 20 is the best time to lift plants from the field and pot them up, for now they will get re-established quicker than a month hence. There is always quite a list of plants which we plant out for stock to be potted up in Fall, and among them might be mentioned Lobelias, Achyranthes, Ageratum, Fuchsias, Mme. Salleroi Geraniums, Cupheas, and others. A few good specimens of each carefully lifted now will furnish any amount of cuttings during the Winter months for the man who needs them among his bedding stock. Select some of the bushiest and most dwarf of your Zurich Salvias; in this way you will keep your stock true, maybe improve it, for there is always a difference as to habit and growth of the plants in the field, and care should be taken to select only the best for stock plants. If you had your Dracæna indivisa planted out as many growers do, don't lose any time in getting the plants potted up; and if any plant requires care in performing this operation it is the Dracæna. Bad tips of the leaves, or a great loss of leaves of the lower part of the plant will be the result if the proper care is not exercised. Care should also be taken to allow the newly potted stock sufficient room; a crowded condition is hound to mean loss of leaves. If you intend propagating Begonia Erfordi and Schmidtii through cuttings, it is not too soon to pot up a good supply of plants, for the first frost will affect these plants as badly as the Coleus. There is nothing gained by waiting or putting off any of this work, so get at it, for it means a great deal to many of us.

Influence of Earthworms on Soil

Darwin first suggested that wherever the common earthworm (Lumbricus) finds the conditions of existence, it exerts a most important influence in the formation of the humus surface soil layer, and the limitation imposed upon these conditions by the subsoil has doubtless a great deal to do with the sharp demarcation we often find between it and the surface soil.

The food of earthworms is humus matter; to obtain this, they have to assimilate large quantities of earth which is obtained from the subsoil, and contains, generally, only about one per cent. or less of humus. The earth, while passing through the alimentary canal of the worm, is subjected to the action of its digestive juices, which dissolve out the humus and render the mineral particles more soluble to the carbonic acid water of the soil. It is then excreted at the surface of the soil as worm casts, such as may be seen by thousands on the surface of the ground during or after rain.

Darwin calculated from actual observation that in humid climates, in a soil fairly stocked with these worms, the earth thus brought up may amount to from one-tenth to two-tenths of an inch annually over the entire surface. He further estimated that in this manner ten tons of dry earth, per acre, annually pass through the bodies of earthworms and are brought to the surface.

Apart from the mechanical effect worms achieve in loosening the soil, the entering of air and water in their burrows, and the chemical effects arising from the digestive process and the final return of their own substance to the soil are of great value. Their habit of drawing after them-

VOLUME 1 NUMBER 10

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 10th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:
Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.
Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.
Lilium Speciosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY (Cold Storage)

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc. FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 11 to 12 centimeters, 2,700 bulbs in a case.	$2.25	$20.00
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	2.85	26.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

FREESIAS (French-Grown)

	100	1000
Bulbs, ⅜ to ½ in. in diameter	$0.75	$6.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

PAPER WHITE NARCISSUS GRANDIFLORA

With the **florist** is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00
14 centimeters and up, 1,000 to the case	1.25	10.00

LILIUM CANDIDUM

The thick-petaled kind. Only the largest size. 22 centimeters and up, in circumference. You should plant some of these. They are excellent for cutting in May and June. $4.50 per 100, $40.00 per 1000. About 250 in a case.

LILIUM LONGIFLORUM FORMOSUM

The wonderful new **Easter Lily** from the **Island of Formosa.** Said by the **introducers to be** free from disease and easy to grow.

	Doz.	100	1000
6- to 8-inch, 400 bulbs in a case	$0.60	$4.50	$40.00
7- to 9-inch, 300 bulbs in a case	1.00	7.00	67.50
8- to 10-inch, 200 bulbs in a case	1.25	10.00	95.00
9- to 10-inch, 200 bulbs in a case	1.50	10.75	105.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to grow Sweet Peas for Christmas flowering is Now

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An **exceptionally** early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of **exceptionally** free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.

Christmas Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb., 85 cts., lb. $1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolansky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 60 cts., ½ lb. $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

DUTCH BULBS HAVE ARRIVED

AND WE CAN MAKE IMMEDIATE DELIVERY
QUALITY AND PRICE RIGHT. CATALOGUES FREE.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

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Boddington's Gigantic Cyclamen

Boddington's Gigantic Cyclamen

The seed of Cyclamen is often sown too early in the year; from August to the end of September is the best time. The seedlings should be grown on to the flowering stage without any check whatever. When grown cool, the results are most satisfactory. Boddington's Gigantic Cyclamen are unequaled for size and quality of bloom. A magnificent strain of Cyclamen with flowers of extraordinary size and substance.

Gigantic White Butterfly. Pure white; immense flowers.

Gigantic Snowflake. The largest of all white Cyclamen.

Gigantic Cherry-Red. Most brilliant and effective.

Gigantic Rose. Immense flowers of a pleasing shade of light rose.

Gigantic Pink. Exquisite shade of soft pink.

Gigantic Crimson. Most striking color; under artificial light appears to be almost luminous.

Gigantic Crimson and White. A magnificent flower of the largest type.

Gigantic Syringa Blue (new). A charming color.

Gigantic Lilac. A very pleasing color, lighting up well at night.

Any of tthe above varieties, trade pkt. 50 cts., 100 seeds $1.00, 1,000 $8.00.

Collection of the above nine selected varieties, one pkt. of each, for $4.00.

Gigantic Mixed. A mixture of all the above varieties in proper proportion. Trade pkt. 50 cts., 100 seeds 85 cts., 1,000 seeds $7.50.

PRINCESS MAY. A very pretty type of Cyclamen. Color pink, with suffused blotches of crimson at base of petals. Trade pkt. 50 cts., 100 seeds $1.00.

SALMON QUEEN. Undoubtedly one of the most distinct and beautiful salmon colors found in Cyclamen. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum Salmonium Splendens. The finest salmon-pink variety. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Rococo, Mixed Colors. The beautifully fringed flowers measure 5 inches in diameter. Trade pkt. 50 cts., 100 seeds $1.00.

Cyclamen Persicum giganteum, Bush Hill Pioneer. A beautiful new feathered Cyclamen in various colors. Trade pkt. 50 cts., 100 seeds $1.00.

Six Grand Novelty Cyclamen

Peach Blossom. An exceptionally handsome variety of an intense rose color. Trade pkt. 50 cts., per 100 seeds $1.75.

Purple King. The best of all crimson varieties and strikingly beautiful. Trade pkt. 50 cts., per 100 seeds $1.75.

Phoenix. Bright cherry-crimson flowers, freely produced. Trade pkt. 50 cts.

Rose of Marienthal. Soft shell pink; a very pretty variety. Trade pkt. 50 cts., per 100 seeds $1.25.

Salmon King. Rich color. One of the very best of this beautiful shade. Trade pkt. 50 cts., 100 seeds $1.50.

Vulcan. The rich crimson color is very striking and contrasts admirably with the pure white of Butterfly. Trade pkt. 50 cts.

Collection of the preceding 6 varieties of up-to-date Novelty Cyclamens for $2.50.

Arthur T. Boddington

SEEDSMAN

342 West 14th St., New York City

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New Crop of Delphinium Belladonna Seed

1 pkt., ... 10c.
3 pkts., ... 25c.
25 pkts., ... $2.00

CASH

A. HIRSCHLEBER, Riverside, N. J.

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selves leafstalks, blades of grass, and other vegetable remains into their burrows, is another means of improving both the physical and the chemical properties of land. The uniformity, lack of structure, and loose texture of the surface soil, especially of forests as compared with subsoil layers of corresponding thickness, is doubtless largely due to the work of earthworms.

Another important point is that, in soil thrown up by earthworms, the humus formed under their influence is always of a neutral character and never acid. The work of earthworms is especially effective in loamy soils and in humid regions. In the arid regions of the earth, and in sandy soils generally, the life conditions are unfavorable to the worms, and the perviousness elsewhere brought about by their labors already exists naturally in most cases.

It is stated by Mr. E. T. Seton (Century Magazine, June, 1904) that the earthworm is practically non-existent in the arid regions between the Rocky Mountains and the immediate Pacific Coast from Manitoba to Texas. In the Pacific Coast region, however, it is abundant, and does its work effectively.

It has been calculated that an acre of ordinary agricultural land contains about 50,000 earthworms. The effect of their combined labors in reducing the soil to a finer condition, as we have seen, is great, while they also enrich the surface soil in nitrogen. In old pastures, the production of a close, compact sward is largely due to the fine earth which is brought to the surface by earthworms, to be afterwards crumbled down and leveled by the action of wind and sun.

When earthworm casts are being constantly swept up and carried away from lawns, cricket grounds, and putting-greens, the surface soil gradually becomes exhausted of fertility, the grasses die out, and mosses take their place.—*The Gardeners' Chronicle.*

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Hartford, Conn., Sept. 22-23, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

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FREESIAS, 1-2 to 3-4 inch (Samples upon request)

LILIUM FORMOSUM, all sizes

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Nephrolepis Scottii

The Largest and Finest Stock in America

Nephrolepis Scholzeli Cibotium Schiedei

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PALMS

Kentia, Phœnix, Areca

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ASPIDISTRA VARIEGATA

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The Birthplace and Home of **Nephrolepis Scottii**

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NEW IMPORTATIONS ARRIVING IN FINE CONDITION

Cyathea Medullaris
Cyathea Dealbata
Dicksonia Antarctica
Dicksonia Squarrosa
Alsophila Excelsa
Alsophila Robusta
Hemitelia Smithii
Hemitelia Moorii

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Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.

SCOTTII, $5.00 per 100.

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$25 00 per 100.

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PLANTS and FLOWERS always on hand.

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Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES

100 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.

ASPARAGUS Plumosus, new stock ready. Only 6000 KENTIA Belmoreana in 2¼-in. pots left.

Also a large stock of BOSTON FERNS, from bench, for 5, 6, 7-in. pots, ready for delivery.

Prices on application.

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2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $5.00 per 100, $40.00 per 1000; 250 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON

WHITMAN, MASS.

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ORCHIDS

Just arrived in fine condition.

Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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Imported and Established Orchids in Great Variety

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SUMMIT, N. J.

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FERNS MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $26.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5 00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $65.00 per 100; 7 inch, $2.50 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $5.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

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Boston Ferns

Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns

Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GRLENHOUSES, J. H. Cushing, Prop.

QUIDNICK, R. I.

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FROM BENCHES AND POTS, $5.00, $10.00, $15.00, $20.00, to $50.00 per 100, very fine.

STEVIAS, Dwarf and Tall

From 6 inch pots, bushy, $10.00 per 100.

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FERNS

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.

BOSTON FERNS, $25.00 per 100.

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Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West HoboKen, N. J.

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The American Carnation Price $3.50

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Ferns in Flats

A few extra fine flats of Cyrtomium falcatum, P. Wimsetti, Aspidium and Assorted Varieties, at $2.00 each.

300 Harry Fenn Carnations

4c. each, or $10.00 for the lot.

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FERNS

Boston, Elegantissima and Piersoni, out of bench, suitable for 5 and 6-inch pots; 4-inch, $10.00 per 100; 5-inch, $20.00 per 100; 6-inch, $30.00 per 100. Ready September 1st. Cash with order please.

E. L. RILEY, R. F. D. No. 2, **TRENTON, N. J.**

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FERNS

Assorted Varieties for Dishes

Strong plants, from 2¼-inch pots, at $3.00 per 100, $25.00 per 1000; 3-inch, at $6.00 per 100.

KENTIA Belmoreana, 2¼-inch pots, 4 to 5 leaves, $10.00 per 100.

COCOS Weddelliana, 2¼-inch pots, 10 ins. high, $1.50 per doz.

FRANK N. ESKESEN, Madison, N. J.

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FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $4.00 per 100, or $35.00 per 1000.

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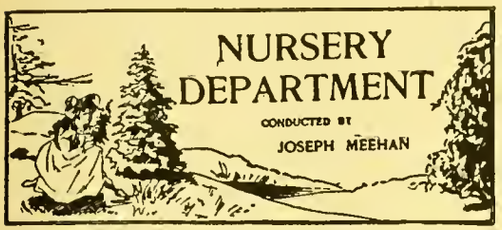

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

SHERMAN, TEX.—The Texas Nursery Co. has increased its capital stock from $50,000 to $100,000.

NORRISTOWN, PA.—Adolph Müller has established a nursery at a location beyond the borough line on De Kalb st., and will grow general nursery stock. The business will be conducted under the name The DeKalb Nursery.

KNOXVILLE, TENN.—At the closing session of the Southern Nurserymen's Association, Aug. 25, the following officers were elected: President, W. A. Easterly, Cleveland, Tenn.; vice-president, Aubrey Frink, Winchester, Tenn.; secretary-treasurer, A. I. Smith, Knoxville. Greensboro, N. C., was selected as the next place of meeting.

MUSKOGEE, OKLA.—The Muskogee Wholesale Nursery, owners of the old Hyde Park nursery, which was purchased at receiver's sale last July, has been incorporated. The new company is capitalized at $25,000 and is composed of the following major stockholders: Dr. Leo E. Bennett, E. H. Fleming, P. H. Schowalter, Dr. C. H. Holland and Rev. Putnam. E. H. Fleming is president; C. H. Holland, secretary; H. P. Schowalter, vice-president; and Dr. Bennett, treasurer.

Plant Deciduous Trees Now

With the advent of September a busy season for nurserymen commences, there being no better month in the whole year for the successful planting of trees of all kinds, deciduous and evergreen. Evergreens may be planted earlier, as recommended in a previous article, the deciduous stock to follow on later, in the present month, September.

Planting at this time means the stripping off of all the leaves the trees carry. No hesitation need be felt in doing this. The mission of the leaves has been fairly fulfilled by this time, and if not wholly so the little check to the tree is more than counterbalanced by the certainty of the tree living. Nothing promotes activity of the roots as readily as heat and moisture, and these aids to success are both at hand or accessible in September. The soil is warm, and if moisture is not there it can be provided. Let a tree be as large as it may in September, it is almost in the position of a cutting, in this, that with the old roots well supplied with moisture and heat new roots form quickly, and with these formed the tree is safe. It has happened that when trees have been dug up and set in temporary quarters in September, and two weeks later lifted again for some purpose, new roots have been formed and were plainly visible; in fact, should the weather be quite warm after such a planting it is not uncommon for the tree or trees to make a few new leaves, showing the activity of the roots.

By stripping the leaves, and planting in September, there are two months in which the trees can become established before freezing, even in the colder States; while in States on the middle line there are three months for the same purpose. In this way the Winter finds the transplanted stock in the position of established plants, and in a good condition to endure the cold that is coming. But all stock, newly set or established, is the better for a mulching at the roots on the advent of cold weather.

Watering at planting is pretty well understood, so has not been touched on in these notes as yet. But whether the soil is damp or not at planting, a good soaking of water is always beneficial, carrying the loose soil closely about the roots, which is just what the tree requires. This compacting is made easier if the filled-in soil about the roots is of a sandy nature, as such penetrates cavities better than any other kind. Fill the hole half full of soil, then pour in water freely, and repeat each day for two or three days running, then fill in the remainder of the soil and the tree is safe.

Budding Lilacs

September is considered a good month in which to bud Lilacs. The stocks are usually growing freely then, so that one may be fairly sure that success will follow the work. The California Privet is the one generally used for the purpose, and it is satisfactory everywhere. Even in States considered too cold for the growing of this Privet it may be used, because the bud is placed as close to the ground as possible, consequently there is nothing of it exposed to freeze back in Winter. It may be that the few Privets of a hardier nature than the California would furnish as good a stock as it, but the California makes such a clean shoot, right from the ground, free from side branches to be cut off, that budders like to handle it better than any other.

Although standard Lilacs may be formed in another way, budding is a good way to get them. If the bud is placed on a sturdy stock, when Spring comes it will push ahead, forming a straight shoot several feet high by Fall, this shoot to form a head the season following, becoming then a standard.

Standards are also formed by cutting to the ground a strong young plant of any shape, seeing that when the buds start in Spring but one straight shoot is allowed to grow. This will make a height sufficient to form the basis of a good standard.

When the Privet is used as a stock, besides placing the bud as near the ground as possible, the Lilac, when transplanted, should be set so that the junction of bud and stock is well under ground, in order that roots may form from the Lilac itself, in time making it independent of the Privet. This conduces to the longevity of the Lilac, for, according to observations made, it seems better satisfied to be fed by its own roots than by those of a Privet.

By "standard Privets" it is not meant globe headed ones, as so many understand the term. The head may be let grow at will if desired, just as a tree would, or it can be pruned in a way to keep it in a globular shape, as may be preferred.



Syringa Villosa

The Western Arborvitæ

In the western Arborvitæ, Thuja gigantea, there is such a handsome and valuable evergreen that it is much to be regretted it is not of a hardy nature, to endure the Winters even of northern Pennsylvania. Indeed, in the southern part of the State, it much prefers shelter to exposure. It is a native of Oregon and Washington and these States cover a territory so diverse in their natural formation that some parts of them are colder in Winter than the others, and it is following the usual course to look for trees from the more elevated parts to be of a hardier nature than those from valleys. It is, perhaps, because of this that a difference in hardiness has been observed in this Arborvitæ. Our importers get this evergreen from European nurseries at times and the stock received has proved less hardy than some that has been raised here from seeds; but as no records are on hand giving the original source of the plants, or of the seeds, it cannot be said that the seeds were from trees growing at a higher elevation than that from which the plants originated.

What gives this Arborvitæ such a handsome appearance is its deep green foliage, a deep green even in Winter; such a contrast to our eastern one, which, as is well known, is of a quite brownish green towards the close of Winter. Even in Summer, when the latter one has put on its Summer dress, its green is not of the vivid hue of the gigantea, nor is its growth as free as it.

Besides, its value as a lawn tree is as nothing compared with its utility as a timber tree. Its reputation in this line is very great, the trees reaching a great height, and its timber is valued for many purposes.

The deciduous trees of Washington and Oregon are, many of them, hardy in Pennsylvania, as soon as they have made some hard wood; but their evergreens need much shelter to succeed here, such as placing them in sheltered nooks, or set in groups where one protects another.

A Summer-Flowering Magnolia

The writer is wondering whether the experience of others is the same as his in regard to the flowering of Magnolia Lennei in Midsummer as well as at its usual time in April or May. There is a tree here that does it every year, sometimes more profusely in one than in others. This season the Midsummer crop of flowers is a particularly large one, and, as in Spring, the flowers do not all open the same week, as is the case with most Magnolias, but continue several weeks before all are over. The tree in question is still in flower, Aug. 25, and has been blooming since mid-July.

There is not the display made by the flowers that there is in Spring, because the foliage hides the blossoms; however, it is a lovely display. And this second crop of flowers, though it must rob the Spring of some it would have, leaves quite enough for that season, or it did last season, for the bush made a grand display in April.

It is not uncommon for Soulangeana to have a few Summer flowers. One of them, close by, had two or three last Summer, and one this, but on another one of this kind not far away there were a dozen or more flowers open in July; and it is not rare to see this kind do it, but never to the extent of profuse blooming as the Lennei referred to does. What pushes the flower of one shoot out and not that of another touching it seems puzzling, but so it is, there are so many that do not expand that the Spring display is all that could be desired.

Magnolia Lennei, as a Spring-flowering variety, should be in all collections. It is later blooming than conspicua and Soulangeana.

Syringa villosa

The Syringa villosa belongs to a different family than those we know as common Lilacs, S. vulgaris and varieties. It is from the Himalayas, and to those unacquainted with it its appearance excites curiosity as to what it can be. As an ornamental bush, it is, when well grown, more showy, perhaps, than the common kind. Its foliage is larger and its general habit stronger, while its panicles of flowers are larger and longer, as will be seen in the photograph of a small bush of it taken in May.

One advantage in having this in a collection is that it is later flowering than the vulgaris type, expanding its blossoms just as the others are ending theirs. The color is a very light pink, almost white, and, though there is a "Lilac" odor to the flowers, it is not the "real stuff," as a friend terms it. Like the common varieties, its buds take well on the California Privet, and on vigorous growing young stocks of the Privet the buds may be inserted quite late in Autumn.

The Dwarf Horse Chestnut

Nurserymen know of two types of Horse Chestnuts; one producing nuts with prickly shells, and known as Æsculus; the other having smooth shells, and including the Pavia. The one that inspires these notes is known in nursery lists as Pavia parviflora, P. macrostachya, and in botanical dictionaries as P. alba. Commonly, it is called dwarf Horse Chestnut. It is a native of the southern and southwestern States, and has been in cultivation a long time, but is not at all general in collections, chiefly for the reason that its propagation is slow. Though flowers are displayed abundantly every season, seeds are rarely seen in cultivated plants, so that propagation rests on the dividing of the old plants from time to time. Fortunately this gives additional plants in time, for this Pavia adds to its number by making stolons every season, which can be cut off later, forming new plants.

In an ornamental way it is greatly valued, because of the beautiful appearance it presents in Midsummer, when it flowers. The panicles stand almost erect, on the ends of every branch; they are white in color, with prominent rose colored stamens.

After having been planted a number of years a plant of it becomes many times larger than it was when set. Recently one was observed which had been set out as a small plant about 25 years ago. It is a plant now with a diameter of 20 ft., and when it flowers it has the appearance of a large bed of some Summer blooming plants, set out for the season, especially, too, as it is always dwarf, the large plant just referred to being only from three to four feet in the center, its highest part.

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Strong field clumps and divisions of the following:

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FRANCES ORTEGAL, 50c. per clump.
MIXED VARIETIES, Mostly White, 25c. per clump.

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A. T. PYFER, Manager

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	Doz.	100
American Arborvitae, 4-6 ft.	$7.00	$60.00
3-4 ft.	6.00	50.00
	Each.	Doz.
Golden, 18-24 in.	$0.50	$6.00
Pyramidal, 18-24 in.	.60	6.00
Cypress Lawsonia, 2-3 ft.	.76	7.00
18-24 in.	.60	5.00
Abies concolor, 18-24 in.	1.50	15.00
Tsuga Canadensis, 18-24 in.	.75	8.00
Picea excelsa, 4-5 ft.	1.00	
	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	26.00
18-24 in.	2.50	16.00
	Each.	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
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Roots dug with ball and burlapped, 10c. extra.

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My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $26.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. **Packing free.**

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ATLANTIC HIGHLANDS, N. J.
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FOR FALL OF 1910

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4-inch pots ..... $1.50 per dozen
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Baltimore

Business conditions are as good as could be expected. Very little business is to be had and we are in the clutches of hot weather. Outside stock is almost drying out. Such cut blooms as are on the market find ready sale, and are plentiful enough to meet the demands. Asters, Dahlias and Roses are heavy in supply, and are in fairly good condition. First class Carnations are somewhat scarce. Asparagus is coming in steadily.

The great Timonium Fair was held this week at Timonium, Md. The exhibits this year exceeded any made at previous shows. It seems that our florists, however, take little interest in the Fair, although Timonium is only eleven miles from Baltimore and the entries are free. Exhibitors get well advertised; some days from forty to fifty thousand people are on the grounds. Only about three florists made exhibits that caught the public eye. Isaac H. Moss made a rattling good display of pot plants and nursery stock, and captured first prize on a wreath. Jas. Hamilton also made a creditable display of various pot plants and nursery stock, and won second prize on a crescent wreath. J. L. Wagner of Joppa Road had a beautiful collection of various plants, and showed a tastefully arranged design. These florists captured many prizes. C. L. Seybold and J. J. Perry were the judges. R. Vincent, Jr., and Otto Guerth were among those seen at the Fair.

Club Outing

The annual outing of the Gardeners and Florists' Club of Baltimore was held at Bay Shore Park, White City, on Chesapeake Bay, last Thursday, Sept. 1. The weather was anything but agreeable. Some few reached the shore early in the morning, but those who started in the afternoon were somewhat handicapped; about 1.30 o'clock a heavy storm broke over the city which held up the car lines. A large number, however, braved the elements and made the trip. Upon reaching the park games were in progress on the large concrete pier, and several hours were enjoyably spent. The program covered 15 events, for which excellent prizes were forthcoming. A baseball game was omitted on account of the disagreeable weather. Among those present were:

Mr. and Mrs. H. A. Kline, Mr. and Mrs. James Boone, Mr. and Mrs. J. J. Perry, Mr. and Mrs. N. Terry, Mr. and Mrs. F. Bauer, Mr. and Mrs. Jas. Glass, Mr. and Mrs. G. Loutze, Mr. and Mrs. H. Elsas, Mr. and Mrs. C. L. Seybold, Mr. and Mrs. N. C. Anderson, Mr. and Mrs. M. F. Warner; Misses C. Raap, Mabel Graham, Mary Reed, F. Freidel, Rosalief Fletcher; Messrs. Philip B. Welsh, Willie Elsas, G. Graham, Jr., C. Gregorius, A. Anderson, N. Tilton, J. G. Goudy of Philadelphia, Pa., M. Thau, N. Perry, A. Raap, A. Fielder, H. Lehr, N. Christie, J. L. Towner, J. F. Engelman, E. L. Bland.

The prize winners were as follows:

Bowling, Ten Pins

C. Klutch's team, 1st prize; score 2199. O. Girth's team, 2d prize; score 2131. C. Seybold's team, 3d prize; score 2129. M. Richmond's team, 4th prize; score 2075. W. Perry's team, 5th prize; score 1988.

High score in one game, Otto Girth, 213. Most strikes in the three games, Chas. Klutch, 14.

Greatest number of spares in the three games, Chas. Seybold, 18.

Ladies' Bowling Tournament

1st, Mrs. Chas. Peterson; 2d, Mrs. Jas. W. Boone; 3d, Mrs. Fredk. Bauer; 4th, Mrs. H. A. Klein; 5th, Mrs. Chas. Seybold. Mesdames Perry, Richmond, Klutch and other ladies also won prizes.

Potato race, open to girls under 16.—1, Miss Kress; 2, Miss Graham.

Potato race, open to boys under 16.—1, Bauer; 2, Emery Wagoner.

Potato race, open to ladies.—1, Mrs. C. Peterson; 2, Mrs. F. Bauer.

Potato race, open to men.—1, W. Perry; 2, Mr. Graham.

75 yard dash, for men.—W. Perry.

75 yard dash, for girls.—Miss Ella Glass.

75 yard dash, for boys.—Emory Wagoner.

75 yard dash, for ladies.—Mrs. C. Peterson.

Putting the balls in the baskets, open to ladies.—1, Mrs. Lehr; 2, Mrs. Komaline.

Putting the balls in the baskets, open to men.—W. Ekas.

Guessing contest, guess the number of flowers in sealed box; open to all.—Mr. Komaline.

J. L. T.

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GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.
VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.
HELIOTROPE, 2-in., $1.50.

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Hardy Perennials

(Concluded from page 434)

Another very interesting variety—a species—but very rarely met with, is Susiana. Its color is hard to describe. I once heard Wolley-Dod liken it to the markings of a starling, and he was pretty near the mark. But it should have protection during the Winter, and it deserves all the care bestowed on it. Another variety, I. reticulata, blooms shortly after the snow has gone. I once saw it bloom in north Lancashire at the end of March.

Well, I have dealt somewhat lengthily with the Iris group, and come now to the fourth on the list—Asters or Michaelmas Daisies. Many of these are natives of North America, and all are perfectly hardy. The usual method of propagation is by division, and plants will stand any amount of mutilation. There are many varieties, ranging in height from a few inches to six feet. I think an Aster border could be planted to look very effective. My special favorite is Amellus, rich violet; it is great for massing, and for cutting from August onward. It grows about three feet. Ericordes is a neat thing, with clouds of star-like flowers. Tradescanti is after the same stamp, but taller. Of the Novi Belgii and Novæ Angliæ sections, which flower very late, and would do well in our Indian Summer, Harper Crewe, white, and Robert Parker, lavender, are the pick of the basket for the former, and Præcox for the latter section.

The only fault to be found with Asters is that most of them are blue, or shades of that color. If only we could get some good scarlet and golden yellows, what a combination could be made with them; yet there are sufficient rose and white varieties to make a distinctive and very showy all Aster border.

Now we come to the fifth on the list. It's an old standby; go to any garden and you will find it nodding to you in its old familiar way—and that is the Delphinium. It thrives in almost any soil. The one thing that it mostly wants, and rarely gets, is a stake to hold it up. I don't know why, unless we think it is big enough to look after itself. The varieties grow one to six feet high, sometimes more. Belladonna is one of the oldest, and one of the best in cultivation; it is hybrid, therefore a non-seeding variety. It remains a long time in flower. It is, as you know, one of the best blues in the family, and is readily increased by division. I have seen it bloom for nearly five months. Other named varieties are to be had, but most of them can be obtained from a mixed packet of seed from any reliable firm.

But two dwarf forms I know are worthy of a place—D. cardinale and D. nudicaule. The former grows from two to three feet, a brilliant scarlet or cardinal as the name indicates; the latter is one of the dwarfs of the family, and rarely gets above 18 inches, but if planted three or four in a clump it is very effective; I have seen it do well on rockeries.

Last Summer, when at Bryn Mawr, there was a very fine bed of the taller sorts. The plants had just about reached perfection when, all at once, or in a few days, they shrivelled and died. Upon investigation, I found they had had a liberal supply of manure, but it was full of white fungus, and had run like Mushroom spawn all over the bed, so the drought was innocent that time.

Unless the seed is required, it is always best to cut off the stems as soon as the plants have flowered. By so doing they often throw up a crop of spikes in the Fall.

The sixth on the list, and the last of the star turns to figure in my collection, or selection, are the Sunflowers, Helianthus. I don't think many of you would care to leave them out of your herbaceous borders, and if you did, they would get there ultimately. It generally happens, when a border is under construction these yellow frilled beauties are put in the back row, but I would prefer them dotted about, promiscuously as it were, so as to break up the formal outline. Moore, the Irish poet, sang praises unto them; to him they were Adoration. He says:

> The heart that has truly loved, never forgets,
> But, as truly, loves on to the close.
> As the Sunflower turns to her God when he sets
> The same look that she gave when he rose.

It is nice to be so beautiful that even the poets immortalize one's memory in verse. Yet some people can write poetry on anything, from checker tournaments down to an "Ode to An Expiring Frog"—but that's another story.

As to Sunflowers, certainly some of them appear coarse and heavy, but there are others that, for lightness and elegance, will compare with any that have gone before. Take Miss Mellish, with its beautiful yellow florets carried gracefully on wiry stems. It is a gem for either the border or the vase. Multiflorus Daniel Dewar, of a Cactus Dahlia appearance, and H. G. Moon, both can be planted anywhere with telling effect. Soliel d'Or, one of Hartland's introductions, with double rows of petals, is worthy of notice. H. gigantea and H. serratum are good for semi-wild positions. But grow a few H. maximus for the parrot, it will be something for it to talk about.

Now I will deal with a few of what should be termed, the cream of the remainder. Statice latifolia is worthy of a bed to itself. When once established, its thick leathery foliage is handsome, and its plume-like flowers more so; they are a sort of everlasting flowers, and I have often seen them kept in vases through the Winter.

Tritomas, Kniphofias, or Red Hot Pokers—to use a grandmother term—you will find a place for somewhere. These have increased in variety very much of late years. They vary from pale yellow to deep scarlet, and their only drawback is their lack of hardiness. And yet they don't require so much protection. Gather up the foliage, tied securely to a stake, fasten a few Spruce boughs around them, and they will come up smiling in the Spring. They don't like being disturbed much. They grow best in a light, sandy soil; a heavy, cold, retentive soil is sure to spell rot. Floribunda, uvaria and speciosa are three of the hardiest I know of, but there are many new hybrids I know nothing about.

Plant Pyrethrums, clumps of them, beds of them; there is nothing better in the list for cutting, especially the single varieties, and there is a range of color to suit all tastes. But put a bit of brush around them, or their flowers will be a long way below the florists' standard, and their flowering season shortened considerably. They are all the better for being split up every two or three years. A late flowering one, P. uliginosum, is good for the Fall. It grows about eight feet high, and is especially good for semi-wild, shady places.

Buphthalmum speciosum, with fine foliage and heads of bright yellow flowers, something after a Centaurea, is a very telling plant. It lasts a long time in flower, grows to the height of about five feet and it lets you know its there.

You would scarcely think of a Scabious growing to the height of eight feet, but Scabiosa alata, with large lemon flowers, attains that height. It likes plenty of room, and a good stake. It's a long time since I saw this variety, and one plant growing on the lawn eight feet high and fully six feet through was something to remember. S. Caucasica is another worthy of your

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notice; it only grows about three feet, but with its flowers pale blue, and fully three inches across, it has only to be seen to be admired.

The Spiræas are worthy of a place, especially Aruncus, which thrives best in a somewhat damp position, although it soon gets a rusty appearance. But if you have a patch in your garden of a boggy nature, plant Palmata, the crimson flowered Meadow Sweet, and enliven it with Ulmaria variegata aurea, it makes a very showy patch.

I notice that the Funkias are very popular plants in the United States, and justly so. They will thrive in the border, lawn, shrubbery, rockery, or in pots, and the flowers and foliage stand well for decorating. The varieties around here are chiefly Sieboldii and alba marginata; but Japonica lutea, glaucescens and Thomas Hogg would thrive equally as well. Certain rules in propagating should be carefully followed. Don't divide any but strong, healthy clumps, taking care not to damage the roots any more than can be avoided. Don't divide too severely, but let each plant be a strong piece of several good crowns. They don't like being disturbed very much. Plant in good, rich, deep soil, especially of a peaty nature.

The Potentillas are not grown as much as they deserve to be. There are some beautiful double forms among them, and although they are of no account for cutting, yet they make a bold display for a long time. Another family which contributes largely to our garden in perennials and shrubs are the Veronicas; but I think the best of the herbaceous section is the variety longifolia subsessilis, which comes in late, bearing massive spikes of deep blue flowers. But it is from this family we get some of our best alpines.

Then, again, we have the old-fashioned Campanulas. You often see Platycodons listed under this heading. I don't know why, the flowers certainly resemble the Campanulas, but such is not the case with the roots, which are tuberous. I never saw Platycodon Mariesii in the old country equal to what I saw in Philadelphia last year—a long herbaceous border had clumps about every six feet, and they certainly made a brave show. As to Campanulas proper: from this family one can get varieties to grow in any position under the sun, bog, border, dry, wet, light or heavy soils, shady or bright positions, perched high on a sun bleached rockery, or at the foot of a dewy waterfall. They may be grown as tall pyramids for the conservatory; and, lastly, if one wants to please his wife, with a window hanging plant grow her a few pots of C. isophylla, blue and white: Some of the best known varieties are medium, azurea, persicifolia blue and white, macranthe, lactiflora crocarpa—this is extra fine—and Moerheimi, a good variety for cutting. Good varieties for rockery are pusilla, G. F. Wilson, turbinata and Garganica.

No doubt you will know of that graceful subject Isopyrum gracilis, belonging to the Thalistrums. Its foliage has the apearance of a hardy Adiantum, not A. pedatum, but A. cuneatum. It could be planted effectively as a dot plant among Summer bedding, to get a light airy effect.

In the foregoing list I have tried to give you a collection of perennials worthy of a place in any garden. But is not representative as it stands. To complete the picture we must include Anemone Japonica in variety. Bentiana asclepiadea, a few clumps of Eryngium amethystinum and maritinum, Centaurea macrovcephala, a fine yellow variety, and C. dealbata, rose color.

The indispensable Gypsophila paniculata, and the double form; Incarvillea Delavayi, which thrives well in a partial shade; Pentstemon barbatum Torreyi, with scarlet tubular flowers, a good variety for cutting; Papava orientale and its varieties; Hemerocallis Kevanso fl. pl., which has very fine foliage, also H. flava major and aurantiaca; Galega officinalis and alba; Chrysanthemum maximum King Edward VII, which, perhaps, is the finest of that class; Heuchera sanguinea, rosea and rosularis; and Sedum spectabilis. I should like to recommend Salvia patens, but it is such a tender subject. Trollius Europæus and Orange Globe; Anchusa Italica, and the Dropmore variety, a beautiful shade of blue; Lathyrus latifolius, grandiflore and pubescens, the last a dandy, in color a beautiful mauve—I grew this inside in England for early cutting, and it often carried up to a dozen flowers on a stem. Nor can we leave out the old-fashioned Lupins, especially Polyphyllus Moerheimi, a most beautiful shade of pink, and it has the makings of being a good variety to force; Lychnis Chalcedonica and Viscaria splendens.

Our old friends, the Aquilegias, have been much improved of late years. Time was when Glandulosa was the pick of the basket. The Russian variety I saw for the first time last year is a marvel, pure white, and spurs on like a gigantic fighting cock. Sidalcea Listeri is worthy of your attention, flowers full length of the spike, and of a beautiful shell pink. Sidalcea moschata or Malva moschata is good.

You will probably have noticed that perennial bulbs do not figure in this list, and such is the case. The family is sufficiently numerous to warrant an essay to themselves; perhaps some of you will take up the subject at a later date.

The practice of propagation, as far as perennials go, is not so intricate as is that of alpines; most of them don't object to be amputated with a good spade, and many of them are raised from seed. Many of the nurserymen sow the seeds as soon as they are gathered; they germinate quicker, and many of them treated so can be pricked off in coldframes, where they will Winter, transplanting the following Spring and they will bloom later on. I don't know how it is that we restrict perennials solely to herbaceous borders, or long breadths in the kitchen garden; they look all right, splendid, and are convenient for cutting, but could we not go farther?

A garden I was attached to in Yorkshire, noted for its perennials and conifers, had what the old gardener termed "surprise beds." One seemed to come upon them everywhere, a sort of surprise packet. Each bed was distinct in the class of plants it contained, such as Delphiniums, Asters, Campanulas, Statice, hardy Fuchsias, Anemone Japonica, Phloxes, Leucojum æstivum the Summer Snowflake, Tritomas, Bambusa Metake and a fine bed of the ostrich plume Gynerium argentium. Nothing was too thick and everything could be easily overhauled; and no plant that had not been endowed by nature with power to look after itself was allowed to be spoiled for the want of a timely stake. Under those conditions one sees a plant at its best, and the blooming period is lengthened.

Gardeners have at all times played an important part in the education of the people in what is best for them. If we lose their interest in floriculture, woe be to us! We must have them realize that there is something more worth living for than a Cabbage patch. If we cannot make them ordinary, rational admirers of things perennial, we must go to extremes and make them perennial cranks, and so, probably, stimulate the interest of others in one of the most interesting branches of our profession.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Presentation to Mrs. F. R. Pierson

The testimonial fund covering the presentation at Rochester to President F. R. Pierson, of the S. A. F. and O. H., of the handsome case of silverware, also allowed of the purchase of a very handsome umbrella, which was sent to Mrs. Pierson in token of the appreciation of her husband's services in connection with the 1910 convention.

A Brooklyn Enterprise

Of all the new florists' stores which have been opened in New York or Brooklyn, during the last few years, probably not one has been more substantially built and artistically furnished than the handsome new two-story store, and greenhouse attached, of Frank McKee, at the corner of Fulton st. and Classon ave., Brooklyn. The building has a 25 ft. frontage and a depth of about 30 ft. The attached greenhouse, about 70x25 ft., is an uptodate structure of iron and concrete, with curved eaves, erected by the Lord & Burnham Co. The first floor of the store is used as a salesroom; it has a full glass front with a flooring of green tiles, while the store itself is floored with white tiles. In the center of the store is an artistic fountain with a bronze figure in its center. The other furnishings are all in good taste. The greenhouse is divided into two parts; the back part has in the center a ground level bed, in which Chrysanthemums are now growing, and the side benches are filled with a collection of rare potted plants which it would be hard to duplicate. Each plant is plainly labeled. It is Mr. McKee's plan that his patrons enjoy themselves here, looking at these rare plants, while their orders are being made ready for them. Among the plants may be mentioned the Philodendron pertusum, Maranta roseo-lineata, Acanthus Montanus, Dracæna Queen Victoria, Schismataglottis decora, Ficus Purcelli, Stenandrium Lindeni, Medenilla magnifica, and the somewhat rare Palm Dictyosperma alba. The front division of the green house is well filled with fine specimens of Palms and Ferns. The second floor of the store is used for the work of making up and packing, and all material is kept there necessary for such work, which renders the use of the salesroom for such purposes unnecessary. To further add to the attractiveness of the location, the adjacent grounds of Joseph H. Barnes, a retired merchant and neighbor of Mr. McKee, are tastefully laid out and set with shrubs, Rose bushes and plants, all of which are kept in excellent condition. Mr. McKee for many years was in business at the Palace Conservatory, 509 Classon ave. He certainly is to be congratulated on his change into such well equipped new quarters.

Another "National" Society

We notice the announcement of the formation of yet another National Society, to promote the culture of hardy plants. The inauguration of new societies is a healthy sign as showing the constant growth of interest in all phases of gardening, and there is no doubt that a group of specialists are able to work upon more detailed lines than any central body. Is there not, however, a limit to the subscribing power of the public? Prominent horticulturists already subscribe to so many objects that we fear they will soon begin to kick if applied to much oftener. We hear that a National Daffodil Society has also been mooted; if all the other flowers and fruits follow, where is it to end?—*Horticultural Advertiser (Eng.)*

[Quite so. The problem of maintaining a host of so-called National societies is year by year becoming more and more of a tax upon the comparatively few liberal minded tradesmen who take up the burden in each not only of support but of direction. Really, does it not look to all of us as though S. A. F. President F. R. Pierson's psychological moment had arrived, in this country at least, for the amalgamation of all of our "National" trade societies into one powerful body? The latter would then be "National," not alone in name but as well in fact.—Ed.]

New York Florists' Club

The first meeting of the Club after the Summer recess will be held on Monday evening, Sept. 12, at the Club rooms, Grand Opera House Building, 23d st. and Eighth ave., at 7.30 p.m. Exhibits will be received in the points competition for the Hitchings cup. Delegates to the S. A. F. convention at Rochester will give their convention impressions, and other subjects will be taken up of interest to the Club. A large attendance is expected.

Florists' Club of Philadelphia

A meeting of the Florists' Club of Philadelphia was held on Monday evening, Sept. 6, at Horticultural Hall, President Joseph Heacock in the chair.

Secretary David Rust, for the club room committee, reported on financial conditions and the report was accepted.

J. Otto Thilow, chairman of the essay committee, in his report urged the continuance of the committee's work, and gave a list of the essayists and their subjects, from the beginning of last November. He promised another essay for the October meeting. A vote of thanks was extended to Mr. Thilow and his associates on the committee, Thomas Logan and Charles Meehan.

The membership committee reported favorably on the name of Robert Jamison, Edgewood, Pa. The committee on candidates presented the name of W. J. Tyler to be an associate member.

John Westcott, of the special committee on transportation, reported. Owing to illness or change of plans only twenty-two persons went in the special car, instead of twenty-five arranged for, to the S. A. F. convention, but the trip was a very enjoyable one. A vote of thanks was extended to Mr. Westcott.

Several members were called upon to report upon the S. A. F. convention. Mr. Thilow said that it was a very enjoyable and profitable convention, that it would increase the membership of the S. A. F., and that much business was accomplished. The exhibits were better than ever before. Mr. Thilow also spoke of the social side of the convention, the hearty reception given the visitors by the people of Rochester, the attendance at the sessions, of the splendid receptions, and of the prizes brought back by the Philadelphia bowlers, but expressed a hope that they would do better next year.

Dennis Connor, for the committee on bowling, reported the winning of the third prize by the team, and the championship prize by William Robertson.

Joseph Heacock spoke of the growth of the S. A. F., and the desirability of Baltimore as the next meeting place of the convention, especially mentioning the large floor space which exhibitors would have at Baltimore.

Leo Niessen spoke of the several fine exhibits which Philadelphia had at the convention, which were unsurpassed by any other city, and mentioned the fact that few retailers were in attendance from Philadelphia.

John Westcott spoke of the first convention at Cincinnati 26 years ago, which he did not attend, and of the fact that he had attended every one since, each year making many valuable new acquaintances. He said he was going to take a team of young ladies and a team of old bowlers to Baltimore next year.

It was voted to have the Secretary send a letter of condoleace to the family of George Redford who died since the August meeting.

The resignations of Dr. Weaver and A. E. Smith were accepted. Wm. H. Taplin and Edwin Loasdale were transferred to the honorary membership list.

The present officers were all renominated for the ensuing year: Joseph Heacock, president; Alfred Burton, vice-president; George Craig, treasurer; David Rust, secretary. President Heacock then appointed the following auditing committee: Alfred Burton, Fred Harmon, Leo Niessen.

Dennis Connor, speaking for R. Vincent Jr. & Sons Co. of White Marsh, Md., extended an invitation to the Club to visit the company's Dahlia fields on Sept. 29-30, stating also that the B. & O. train leaving Philadelphia at 10 o'clock would stop at Cowenton, Md.

A Defense of the Spencer Type of Sweet Peas

Editor Florists' Exchange:

I was very much interested in the paper read by Rev. Mr. Hutchins before the National Sweet Pea Society at its recent meeting; in fact, I was astonished at the tone of it. I had supposed that all questions as to California Sweet Pea seed had been settled years ago in its favor, and this, coupled with the fact that Mr. Hutchins had but recently arrived from the Pacific Coast put me all at sea; but, a re-reading of the article showed me that the crux of the whole situation lay in the fact that California Sweet Pea seed does not grow the ideal flower in the Atlantic Coast region.

The thing that surprises me most is that Mr. Hutchins expects any Sweet Pea seed to grow a first-class flower along the Atlantic Coast. He has tried it for some thirty or thirty-five years without success, as have other growers who have not succeeded any better than he. I have long since come to the conclusion that no Sweet Pea seed will give its best results along the slope of the Atlantic Coast. I cannot tell why. Is it the seed or the soil?

There was a time, some twelve years ago, when I, as well as many other amateurs, considered the California Sweet Pea seed at fault; and a number, among whom were Hutchins, Higgins and myself, expressed ourselves in the columns of your paper, but I am now convinced that the California Sweet Pea seed growers are producing the finest Sweet Pea seed ever grown, and seed that produce the finest flowers, but they must be grown in a location and climate where the utmost success is possible, and this is, apparently, not on the Atlantic Coast.

I have just returned from my annual trip as judge of the flower carnivals in central-western New York, where I judged Sweet Peas (grown entirely from California stock), the like of which I fear Mr. Hutchins has never seen, unless he has seen them in that section.

Mr. Hutchins' expressed hope in his paper—in fact his doubt—that we may some day see a two-inch Sweet Pea, made me smile when I held a Florists' Exchange containing his paper in one hand, and a vase of fifteen sprays of King Edward VII Spencer in the other, and called the attention of my friend, Edgar A. Higgins, to them. They were all two-inch specimens.

Around and about me on the tables were hundreds of specimens of the Spencer type of Sweet Peas, all grown from California seed, two inches or more in diameter easily, and of the finest color and substance.

I do not know how Mr. Burpee grows his seed, as I am not familiar with his methods on the Pacific Coast; but I can testify to the fact that all of the Spencer Sweet Peas grown from his seed which I examined and judged at the carnivals, during the present season, averaged two inches or more in diameter. At Angelica, N. Y., where I found the most of the large sized Sweet Peas, I awarded a first prize to a vase containing one hundred sprays of Sweet Peas, all of which were two inches or more in diameter, grown from Burpee's California seed; and it was hardly possible to find in this carnival a Sweet Pea of the Spencer type less than that size.

When the grandiflora type of Sweet Peas was in vogue, the extra large ones were not preferred, as they lacked substance, and the petals were droopy and thin; but it was not the case with the Sweet Peas grown from Burpee's, Rohnert's and Morse's California stock during the past season in central-western New York. The substance of the petals was so good that they had a stiff, leathery feel, and stood bold and upright. This was especially true of King Edward VII, Othello Spencer, Ramona Spencer, and Florence Morse Spencer, all of which showed more substance than I had ever seen in a Sweet Pea petal.

These super-excellent Sweet Peas were not grown by experts, but merely by house-wives, in the back yards of their homes in Angelica, N. Y., who did not realize they were showing anything out of the ordinary.

As I had in contemplation the writing of this article in answer to Mr. Hutchins' paper, I called the attention of many people to the size and quality of the Sweet Peas shown at this carnival, as well as those at Livonia, Scottsburg and Perry, in order that if any questions as to their size or quality were raised I would have sufficient evidence to substantiate my statement.

The largest single specimens found at Angelica were two King Edward Spencers, the top two flowers of which measured two inches easily, and the lower ones two and one-fourth inches easily.

I found the conditions the same at Livonia, as far as the Spencer types were concerned, but there was not as large a proportion of the Spencer type shown there as at Angelica. All of the seed planted at Livonia came from California, and I found at Livonia hundreds of

two-inch Sweet Peas, and one single specimen, the petals of the two top flowers of which were slightly over two inches in diameter, and the lower one two and three-eighths inches, easily. This Sweet Pea was measured by dozens of persons who can testify to the fact, and the substance was so fine that after the flower had stood three days in water it was apparently as fresh, and stood as stiff and bold, as if it were made of brown leather. It was an Othello Spencer, grown from seed procured from Burpee, who has his seed grown in California.

In the gardens of Charles Larrowe of Cohocton, N. Y., Edgar A. Higgins of Avoca, N. Y., and Henry Greffrath of South Lima, N. Y., all of whom are extensive growers, I had the best evidence as to the vitality and general excellence of California grown Sweet Peas, and these gentlemen I know will testify to their worth.

I hope Mr. Hutchins will, next season, make a tour of the flower carnivals in central-western New York, and see what ordinary home-growing amateurs do with Sweet Peas grown from California seed put out by Burpee, Dreer, and others.

I suggest that the next meeting of the American Sweet Pea Society be held in either Elmira, Rochester, or Ithaca, N. Y., in order that these amateurs in central-western New York can compete, and show the professional growers of the Atlantic slope what the California seed will do if it has the proper soil and temperature.

I wish I could speak as highly of the purity of the California seed as separated into varieties. The large growers are evidently paying attention to the rogueing of their crops, as I found but few rogues in the seed grown for Burpee, Morse and Rohnert, but some of the smaller growers are not paying any attention whatever to this. The seed of one grower was especially bad.

In the garden of Henry Greffrath of South Lima, N. Y., who planted one pound of Countess Spencer, I counted but seven stalks of true Countess, the remainder being almost everything in the grandiflora type. This is not only a great disappointment to the grower, but it is outright robbery, and if the stock of this grower does not improve by next season, I will feel impelled to warn my friends among the flower carnivals to insist that their seedsman procure his stock from some other grower.

SAMUEL ARMSTRONG HAMILTON.

Huntingdon Pa.

Chrysanthemum "First Break" Not Noted

My Chrysanthemums (Halliday) are making terminal buds without having made the "first break." What is my best procedure now? A. B., N. J.

—The "first break" is so called because it is a break in the continuity of growth, which ceases at the point of the bud's formation. Whether this bud is noted and pinched out or not the plant immediately proceeds to develop other shoots which spring from the axil or base of the leaf stalk of the leaves just below the bud. If these shoots have already developed on the 'Mums, and are showing buds, it would appear that the first break was made sometime ago without being noted, and it would be best to select the terminal bud at once.

The Shrewsbury (Gt. Britain) Show

Editor Florists' Exchange:

I am sending to you some newspaper reports of the great show held at Shrewsbury, Shropshire, England, last month.

My friend, Alex Mackenzie of Glen Cove, L. I., and myself spent two delightful days there. It is the largest show held in the British Isles and it seems to be one of the most successful, both from an exhibitor's point of view and financially. It was estimated that about 150,000 people attended it during the two days and the receipts were close on £6000.

It is true that other attractions besides the horticultural exhibits draw the crowds, yet all the time from eleven in the morning until five in the afternoon the horticultural tents were one mass of seething humanity. It took nine large tents to hold the horticultural display, and only space enough was left for the people to walk. It is the trade exhibits that make it such a wonderful success; they are represented from the south of England to the north of Scotland.

I had often heard about the wonderful display of fruit seen at Shrewsbury; truly, the show of it here was marvelous, but in the Grape classes I must say I was disappointed in the quality; I have seen better in the United States. I am told that the fruit was not up to the usual standard this year owing to the backward season.

Perhaps what struck us most of all as being so much superior to anything we see in America were the groups of plants; they were something wonderful and put up in a style very seldom seen with us. It is useless for me to attempt to describe the different trade exhibits, but suffice it to say that even if it is a table of vegetables that is exhibited, the highest artistic skill is used in its assembling and arrangement.

There are many things I have notes on, such as Sweet Peas, Dahlias, Roses, etc., that might be interesting reading to a few of the specialists, but you haven't room and I haven't much time now as I am trying to crowd as much as I can into the few weeks I have left before my return. They certainly do know how to grow Sweet Peas and Hardy Roses here.

I had the pleasure the other day, of visiting the trial grounds of Dobbie & Co.; there I saw all the latest varieties of Sweet Peas and several not out yet. It is remarkable to see them at this late date Aug. 25, in the pink of condition. W. H. WAITE.

We are glad to hear from Mr. Waite who was, until recently, superintendent for Samuel Untermeyer at Greystone, Yonkers, N. Y., and who was compelled to resign that position on account of ill health. The "trade" exhibits referred to are those of growers as distinguished from amateurs. From the enclosed papers it is evident the show was one of unexampled dimensions and excited the liveliest interest.

Of this show the local papers speak with unbounded enthusiasm. We quote from the Shrewsbury Chronicle in its opening remarks:

"To extol the beauties of Shrewsbury Floral and Musical Fete is 'to gild refined gold, to paint the Lily.' Every year visitors come to it in greater numbers and add a page to the book of memory which can be looked back to always with new delight.

"Long unrivalled, both as a flower show and as a musical festival, the fete continues to make new records. This year the entries number nearly 3000, which is above the average. From the point of view of value the Society has never equalled this show. For all the chief prizes the competition among the great nurserymen of the country was keener than ever, and the fight for pre-eminence in the fruit classes also was Titanic.



The Late Lyman B. Craw

"About 450 bunches of grapes were staged, the strongest lot ever seen at Shrewsbury. For the champion prize of a silver cup, £20 in cash, and large gold medal offered for decorated fruit tables there was a magnificent entry. To mention that the competitors numbered five conveys little; the point to be emphasized is that each display consisted of 30 dishes of ripe fruit in not less than ten distinct kinds, arranged amid lovely flowering and foliage plants. For collections of grapes there were seven entries, and these again contributed a very beautiful and attractive feature of the show.

"The big groups have never been surpassed, while the cut flowers were better than at any previous show. The Sweet Peas, particularly, were superb, owing to the late season, and Roses and Carnations also were better than usual.

"One of the outstanding features at Shrewsbury are the non-competitive displays by nurserymen. Without these the show would be shorn of much of its attractiveness to a large number of the public, and all who have the welfare of the Society at heart were glad to see this section even stronger and more interesting than heretofore.

"A gratifying feature was the considerable increase in the cottagers' section. In every department there was an eminently creditable display.

"There was a magnificent musical program by the full bands of the Coldstream Guards, the Royal Artillery, the Shropshire Yeomanry and the Shrewsbury Borough Military Band.

"Since its formation, 35 years ago, the Society's takings amount to the enormous total of £116,154, and from the surplus funds Shrewsbury has benefited in many ways, and particularly in improvements of the Quarry. The latest of these is the provision of new ornamental railings and gates and alterations at the front entrance. In public improvements and donations to local institutions the Society has expended some £10,000."

ST. ALBANS, VT.—The business of Henry Bryant, florist, has been acquired by florist Geo. Cooke.

CHARLESTON, S. C.—Charles T. McIntosh has associated with him in his business his son, W. Charles McIntosh, as co-partner, under the firm name of Charles T. McIntosh & Son. The business will be conducted along the same lines as heretofore.

LORAIN, O.—Wm. H. Jones, florist, of this city was, a local paper says, the only person in 30000 to get close to Col. Roosevelt, when that gentleman appeared at the rear of his train at Elyria recently. Reason: Jones had a beautiful bouquet of American Beauty Roses.

Obituary

Edward Morrison

Edward Morrison, 60 years old, died Aug. 28, at his home on Health st., Dansville, N. Y. He was a nurseryman, a former street comoissioner and a member of the C. M. B. A. He is survived by a wife, two sons and one daughter, besides a brother and sister who live in New York.

W. T. Callens

W. T. Callens, a well-known florist and old citizen of Corsicana, Tex., went into a well on Aug. 25 after a man named Ratliff, who had been overcome by fire damp, and was himself overcome and died before he could be rescued. Ratliff was brought out alive and soon restored. The deceased leaves a wife and several grown children.

Charles A. Schramm

The death of Charles A. Schramm on Tuesday evening, Aug. 30, at his home, 614 Beacon st., Toledo, O., removes the last of the Schramm brothers, who were among the pioneers in the florist business in that city.

Mr. Schramm was stricken with paralysis on the previous Wednesday, and later in the day suffered a second stroke, from which he never rallied.

The deceased was 43 years old, the son of Bernard Schramm, who established the business many years ago. When the father retired from business he was succeeded by his three sons. Anthony, the eldest, died six years ago, and Bernard, the second son, died in June of this year. The death of this last brother leaves the business in the control of Charles Schramm, Jr., grandson of the founder.

Mr. Schramm is survived by a wife and five children, his aged father, Bernard Schramm, and four sisters. He was a member of St. Martin's branch, C. K. of A., St. Michael's Benevolent Society and Columbia Court of Foresters.

Lyman Burnham Craw

Lyman Burnham Craw, secretary of the Lord & Burnham Co., New York City, died at his home, at Irvington-on-Hudson, on Thursday, Sept. 1, of cancer of the stomach. He had been ill for more than eighteen months, and though at times during that period he might be seen at his office, he was a very sick man, and his death was not unexpected. Realizing that his time was short, he placed his business affairs in good order. Patient and courageous he never spoke of the future except in a most hopeful way, and his cheerfulness did not leave him while he was conscious. About two weeks before his death he paid his last visit to his office.

Mr. Craw was a nephew of Mr. W. A. Burnham and was born in Fairport, N. Y., forty years ago. After completing his education, at the age of 17, he entered the bookkeeping department of the Lord & Burnham Co., and his advancement was rapid. Nearly ten years ago he became secretary to the company and its general sales manager, and continued in charge of the New York office until his death. He understood every branch of greenhouse architecture and construction, work to which he devoted his life. A few years ago he built for himself a beautiful home at Irvington, on the hills above his company's plant, and in his grounds his love for horticulture, and his artistic tastes were exemplified.

The deceased had a wide circle of acquaintances in the florist trade, among whom he was highly esteemed. He was a member of the S. A. F. and O. H., and of the New York Florists' Club, and until the commencement of his illness was a conspicuous figure at all the trade gatherings. He leaves a widow and a little two-year-old daughter to mourn their loss.

Funeral services were held at the deceased's home in Irvington on Saturday afternoon, Sept. 3, and among those present to pay their last respects was a delegation from the New York Florists' Club. Many beautiful floral tributes were arranged around the casket. Interment was made at Tarrytown.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Addreas your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

In considering the question of the development of the iron eave, and the efforts to obtain a minimum of shadow from this member, it is interesting to note some of the earlier constructions which in their development have been productive of some of the most recent constructions.

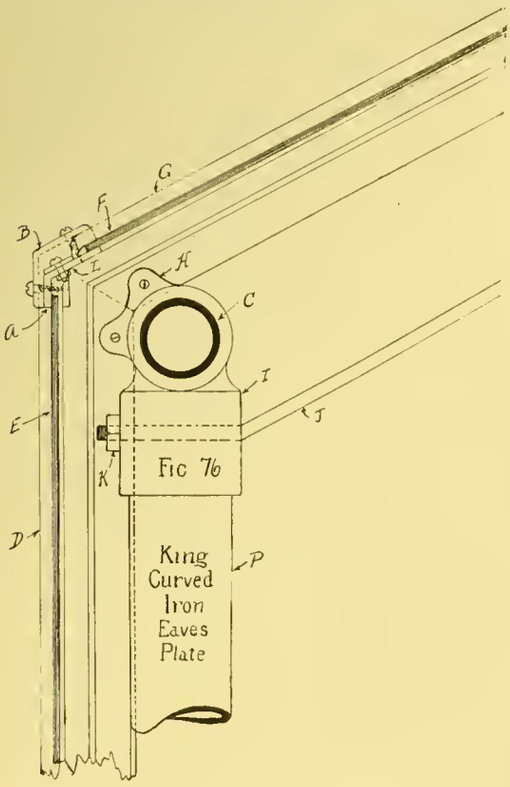


Fig 76

Figs. 72 and 73 show an iron frame construction, the flat iron rafters being secured to the cast iron foot piece, K, which is set in concrete, and being bent at the eave line to the required pitch of the house. Double board and paper extends from the baseboard, P, to the sill, I, which is secured to the flat iron rafter by means of the lug and bolt J.

The style of eave as shown in this construction was at one time used quite largely, but owing to a certain inherent weakness becoming manifest is not manufactured today. This style of eave plate has never been used in connection with semi-iron frame structures, but, as the latest development along this line has been used in connection with one of the most recent semi-iron frame constructions, we do not believe it will be out of place to consider it at this time.

Referring to Fig. 72: At A is shown a 1¾"x1¾"x¼" angle iron, which is secured to the flat iron rafter, C, by means of the iron plate, B, with two bolts. This angle iron runs continuously the full length of the house and is placed at such an angle that the top web of same is on the same pitch as the roof of the house, and the wooden roof bars, G, are secured to same with wood screws, the side bars, D, being cut away at the point where they join the wood roof bar, so as to receive the lower web of the angle, to which they are also secured by means of wood screws, and the side glass, E, is carried up and meets the bottom of the roof glass, F, as shown. This construction is still further illustrated by the photograph, Fig. 74, which shows an inside view of this eave plate, and Fig. 75, which shows the exterior view.

The difficulty with this type of construction is the large breakage of the roof glass at F, where it overhangs, as, owing to the fact that glass will not carry the heat of the house by convection to the outer portions, icicles gather at this point and cause a large amount of breakage. In the exterior view of the house, Fig. 75, it will be seen that there are quite a number of narrow lights placed along the edge of the roof; this is where broken glass has been replaced.

Fig 73 shows the same style of construction, with the exception that the side bar, D, is placed at an angle so as to bring the lower edge of the roof glass, F, as close as possible to the side of the house, to avoid the gathering of icicles at this point, if possible, and yet to allow the drip from the roof to clear the other members of the side of the house; and while this construction is an improvement, still the breakage of glass is considerable and the amount of shadow saved is not sufficiently great to counterbalance the loss due to this breakage.

It will be readily seen that there is very nearly as much light obstructed by the angle iron eave support, A, as there would be by the regular angle iron or T eave plate, shown in Figs. 69 and 70. This is even more apparent in the interior view of the house, Fig. 74. It will also be seen that in this construction there was no attempt made to catch the inside water of condensation, which was allowed to drop down on the inside wood work, and which, of course, was the cause of the rapid deterioration of the side bars and the wood sill of the house. Therefore, because of these considerations it is not desirable to use this type of construction.

Fig. 76 shows a very natural development of this type of eave construction, and is what is known as the "King Curved Iron Eaves," which is used both in connection with the King iron frame and semi-iron constructions. The illustration shows this curved metal eave used in connection with a semi-iron frame house.

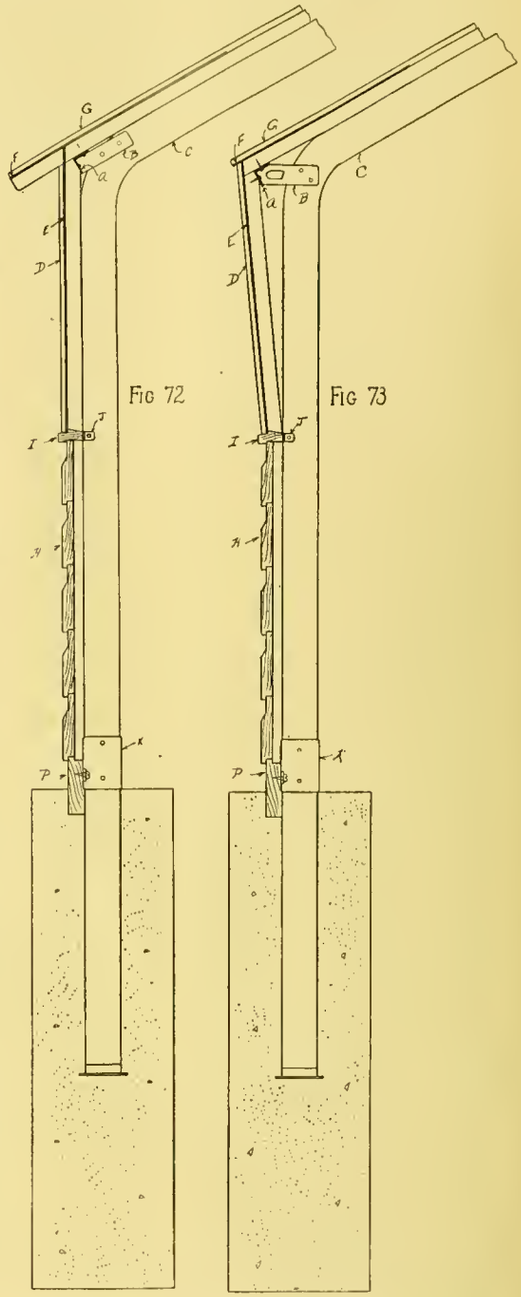


Fig 72 Fig 73

At C is shown a pipe eave support, which replaces the angle iron shown in Figs. 72 and 73. This pipe runs continuously the full length of the house and is sup-

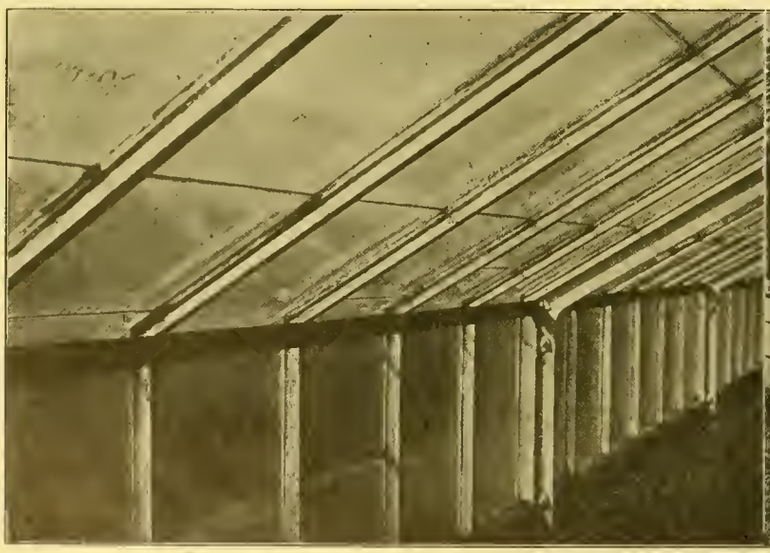


Fig. 74



Fig. 75

ported by the clamp fittings, I, on top of the pipe column P; and where this fitting occurs the roof bars, G, and side bars, D, are secured by means of the two wood screws passing through the lug, H, which is part of the clamp fitting I; between the posts the roof and side bars are secured by means of iron clips passing around the pipe C.

The curved metal eave is shown at A, and consists of a malleable iron casting made to receive the roof glass, F, and side glass, E. This casting is made the same width as the glass used and extends between the wooden bars, being secured to same by means of the malleable iron cap, B, which is secured to both the roof and the side bars and is also bolted, by means of small stove bolts, to the curved metal eave A. In this way the eave plate extends continuously the full length of the house.

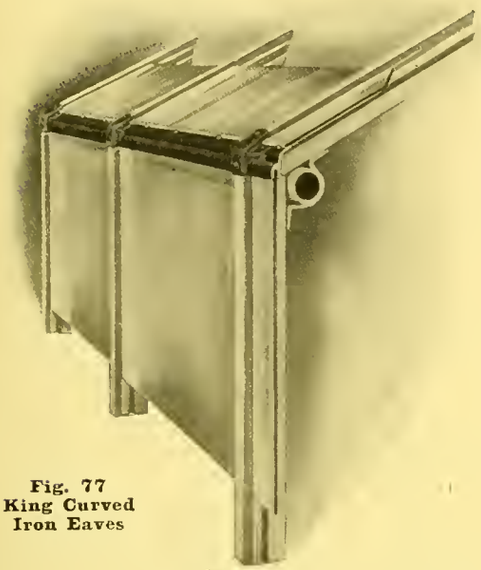


Fig. 77
King Curved Iron Eaves

This is more clearly seen in the illustration Fig. 77, which shows the metal caps, B, on top of the wood bars, with the curved metal eave extending between same. It also shows the eave pipe support, C, with the metal clips passing around same for securing the roof and side bars. The iron eaves being exposed to the inside temperature of the house at L makes an absolutely ice clearing eave plate, and the fact of it being curved allows the ice and snow that may accumulate on the roof to slide off just as freely as if the eaves of the house were constructed with the curved glass; and where it is not desired to use the curved glass at the eave line it makes a very desirable structure, especially when both the iron curved eave plate A, cap B, and eave pipe support C are galvanized; and presents probably less shadow than any other metal eave plate on the market. However, there is one point where this eave plate does not come up to the full requirements of today, and that is in the fact that no provision has been made to take care of the water of condensation from the under side of the roof glass; but with a very slight addition this requirement could be satisfactorily met and no doubt the manufacturers will develop the plate along these lines. Another point in favor of this type of construction is the fact that the ends of the roof and side bars are not concealed in any way, but are open for the free circulation of air and the painting of same, thus adding considerably to the life of the structure at this point.

It is very interesting to note the semi-iron frame construction in connection with which this plate is used as it is one of the more recent productions of the patentees of same. The side posts, P, consist of pipes which are set in concrete and terminate in the clamp fitting I, which holds the eave pipe support C. Through this clamp fitting is passed a light iron rod, J, which terminates in a nut, K, and passes up the roof at approximately the same pitch as the glass; and passing over the roof pipe supports at the upper part of the house follows directly to the other side, forming a continuous iron tie from one side to the other, being drawn tight by means of a turnbuckle placed at some convenient point. This will be taken up more in detail when we consider the question of roof supports for semi-iron houses.

The Chrysanthemum Society of America

The examining committee at Cincinnati, O., has examined the new Chrysanthemum Smith's Advance, a white Japanese reflexed variety, exhibited by Elmer D. Smith & Co. of Adrian, Mich., scoring the same 86 points.

Among the Growers

Richmond, Ind.

Richmond has a population of 23,000 and is growing fast. It is the county seat of Wayne County and the trading center of a rich agricultural community. It is located due east of Indianapolis 69 miles, and four miles from the State line. There are several florist establishments here.

The E. G. Hill Co.

The E. G. Hill Co. is noted for new varieties of Roses, Carnations, 'Mums and bedding plants. In Roses, the firm is growing, approximately, 30,000 plants for cut flowers, in all the standard varieties and several seedlings, which latter will be heard from later.

The most notable variety here at the present time is Rose Queen, which is said to be a grand Rose and will probably be sent out the coming season, or the season of 1912. A yellow seedling which looks very promising is also coming along nicely; and all the other newer varieties are being given a trial.

Several thousand plants are grown on for stock, and some 40,000 are being propagated every week the year round. The company grows all the standard varieties of outdoor Roses, and Ramblers, and several thousand are being shipped to different sections from coast to coast. All the stock is propagated in frames outdoors this time of year, and when one batch is taken out there is another to take its place.

The new blue Rose, Veilchenblau, which is said, to be in great demand, is certainly becoming so at this establishment.

The company is growing several thousand Carnations this year at the Graves place, which was leased for a number of years by the company. That establishment embraces about 50,000 sq. ft. of glass, and it is said that the whole of it will be devoted to the culture of Carnations in future years. Something like 20,000 plants are being grown this year at the company's own place, and the plants are all clean and looking well at present. All the newer and standard varieties are grown, such as Beacon, Enchantress, White Enchantress, Rose Pink Enchantress, Afterglow, Mrs. Chas. Knopf, Pink Delight, Victory, O. P. Bassett, May Day, Winona, Windsor, White Perfection, etc. The newer varieties being tried out are Sangamo, Niagara, Dorothy Gordon, J. Whitcomb Riley, Shasta, Alma Ward, Mrs. C. W. Ward, Scarlet Glow, and Admiration, which last is said to be a very good variety. Several seedlings are also being grown on for the second year. Niagara is a big, fine white, valuable, uptodate, and quite distinct. It has the beautiful blue foliage which bespeaks a strong, healthy grower. It is a quick producer of flowering shoots, has a long, stiff stem, a very large, full flower, and will not fail to give good results in substantial high-grade blooms. It probably will not score higher than White Enchantress on the exhibition table, but it will rank equally with it, and it has the splendid quality of not splitting, even under trying conditions. It is the most spicy variety in cultivation, the fragrance being delicious. It is absolutely distinct in form and arrangement of petals, and in color a pure snow white. Beckwith and No. 111 are two new varieties, and they are said to be very good. The company has been very proud of their Carnations in the past few seasons and they expect to have them better than ever this year.

Chrysanthemums are grown here by the thousand, and the firm is growing this season 30,000 plants, of about 200 varieties, including all the best novelties of the past season. The 'Mums here are always grown well and the exhibition varieties always rank with the very best at the numerous shows all over the world. It is worth while to visit this establishment at this time to see them growing. Some few blooms of Golden Glow are being cut, but the best are yet to come. The Single and Pompon varieties are also largely grown and, as usual, present a picture of health.

The company also grows Cannas very largely, Geraniums, Coleus, Ferns, Fuchsias, Heliotropes and soft-wooded bedding stock, and the plants are shipped to all parts of the world.

The new Hydrangea arborescens grandiflora alba is a magnificent hardy American shrub, and is the very finest addition to this class of plants found in many a year. The blooms are of the very largest size, pure snow white in color, and the foliage is finely finished, lacking entirely the coarseness found in H. paniculata grandiflora. One of its most valuable characteristics is its coming into bloom just after the passing of all the early Spring shrubs, while its long season of bloom, from early June through August renders it doubly valuable not only to florists, but to every owner of a garden. It is perfectly hardy, standing 20 degrees below zero. The form of the panicle is much like that of H. Horteusia. The habit of the plant is excellent, and the variety is bound to become the most widely grown and the most useful of all the Hydrangeas.

A new large boiler has been installed and five houses have been built this season for young Rose stock. E. G. Hill attended the S. A. F. convention at Rochester and Joseph Hill is now in Michigan on his vacation.

Fred H. Lemon & Co.

A recent visit to the establishment of Fred H. Lemon & Co., on the East Side, showed everything in excellent condition. The Carnations were exceptionally good.

INDIANA.

Chrysanthemum Smith's Advance

A Chrysanthemum novelty being shown this season by Elmer D. Smith & Co., Adrian, Mich., is Smith's Advance, a beautiful white Japanese, reflexed, variety. It is a seedling, and of the type of Golden Glow, but more perfect, and with a fuller center. The first buds can be taken from March cuttings on June 6, and blooms can be taken about July 25. Buds taken in July will bring flowers by Sept. 1, and, as Mr. Smith says, they are all perfect. The plants should not be shaded until color shows; they have not been found to spot, as in the case of Golden Glow. The variety is to be disseminated next Spring.



New Chrysanthemum Smith's Advance



Aster, Fairy Queen

Raised by Wm. J. Matson of Newport, R. I. Certificated by Newport Hort. Soc. Aug. 23, 1910. The flower in its general formation much resembles that of a Centaurea.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

EST. 1874 **Jno. V. Phillips** — BROOKLYN, N. Y. — FLORIST — 272 Fulton Street — Telephone, 319 Main

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, **CINCINNATI, O.** — Fourth St.

Frank T. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.



Directoire box finished in gold and filled with White Killarney, Richmond and Safrano Roses, Lily of the Valley and Sweet Peas, tied with bows of pink ribbon.

The Park Floral Co — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

For "Supply" Advertisements see page 480

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Cleveland	Sept. 10	9.00 am.	1st St., Hoboken	Hamburg
Minneapolis	" 10	9.30 am.	W. 16th St., N.Y.	London
New York	" 10	10.00 am.	W. 23rd St., N.Y.	Southampton
Koenig Albert	" 10	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Lapland	" 10	11.00 am.	W. 18th St., N.Y.	Antwerp
Celtic	" 10	12.00 m.	W. 21st St., N.Y.	Liverpool
Furnessia	" 10	12.00 m.	W. 24th St., N.Y.	Glasgow
San Giovanni	" 10		Pier 22, Bklyn	Napls-Palrmo
K'r W. d. Gr'sse	" 13	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 13	10.00 am.	5th St., Hoboken	Rotterdam
America	" 13	11.00 am.	W. 34th St., N.Y.	Naples-Genoa.
Campania	" 14	9.00 am.	W. 14th St., N.Y.	Liverpool
Deutschland	" 14	2.00 pm.	1st St., Hoboken	Hamburg
Argentina	" 14	1.00 pm.	Busb Dks. Bklyn	Napls - Trieste
Pres. Lincoln	" 14	3.00 pm.	1st St., Hoboken	Hamburg
Majestic	" 14	3.00 pm.	W. 21st St., N.Y.	Southampton
La Savoie	" 15	10.00 am.	W. 15th St., N.Y.	Havre
Barbarossa	" 15	10.00 am.	3rd St., Hoboken	Bremen
Hellig Olav	" 15	2.00 pm.	17th St. Hoboken	Copenhagen
Uranium	" 15		Pier 38, Bklyn	Rotterdam
Minnetonka	" 17	8.00 am.	W. 16th St., N.Y.	London
Cedric	" 17	9.00 am.	W. 21st St., N.Y.	Liverpool
Amerika	" 17	10.00 am.	3rd St., Hoboken	Hamburg
Carmania	" 17	10 00 am.	W. 14th St., N.Y.	Liverpool
St. Paul	" 17	10.00 am.	W. 23rd St., N.Y.	Southampton
Geo. Washington	" 17	10.00 am.	3rd St., Hoboken	Bremen
Kroonland	" 17	11.00 am.	W. 18th St., N. Y.	Aotwerp
Columbia	" 17	12.00 m.	W. 24th St., N.Y.	Glasgow
Niagara	" 17	3.00 pm.		Havre
La Gascogne	" 17	3.00 pm.	W. 15th St., N.Y.	Havre
Russia	" 17	2.00 pm.	Bush Dks. Bklyn	Libau
Ryndam	" 20	10.00 am.	5th St., Hoboken	Rotterdam
Hamburg	" 20	10.00 am.	1st St., Hoboken	Gib-Nap-Geno
Kronp. Cecilie	" 20	10.00 am.	3rd St., Hoboken	Bremen
Duca di Genova	" 20	12.00 m.	W. 34th St., N. Y.	Naples -Genoa
Mauretania	" 21	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 21	9.30 am.	W. 21st St., N. Y.	Southampton
Pres. Grant	" 21	11.00 am.	1st St., Hoboken	Hamburg
Cretic	" 21	12.00 m.	W. 21st St., N.Y.	Azores-Gib Napls-Gen
Mexico	" 21		W. 44th St., N.Y.	Bord'x-Dunk'k
La Lorraine	" 22	10.00 am.	W. 15th St., N. Y.	Havre
From Boston				
Saxonia	Sept. 13	4.00 pm.	B&A Dks, E.Bos	Liverpool
Canopic	" 14	4.00 pm.	B & M Dks. Char	Azores-Gib Napls-Gen
Zeeland	" 20	11.00 am.	B & M Dks. Char	Liverpool
Canadian	" 21	11.00 am.	B&A Dks, E. Bos.	Liverpool
Columbian	" 23	1.00 pm.	B& M Dks, Char	London
Devonian	" 14	5.00 pm.	B&A Dks, E. Bos	Liverpool
Numidian	" 16	9.00 am.	Mystic Wbf Char	Glasgow
Philadelphia				
Merion	Sept. 10	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 16	10.00 am.	55 So. Wharves	Antwerp
Friesland	" 17	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 17		24 No. Wharves	Glasgow
San Francisco				
Siberia	Sept. 13	1.00 pm.	1st Street	Honolulu
China	" 20	1.00 pm.	1st Street	Japan
Manchuria	" 27	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hill & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

A. T. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

To Reduce the Cost

and Encourage and Facilitate the ordering of Flowers by Wire

USE

Arnold's Telegraphic Code No. 16

FOR

FLORISTS and ALLIED INDUSTRIES

$2.50 per copy

One copy free to Yearly Contract Advertisers in our "Directory of Reliable Retail Houses."

"CHRISTMAS CHEER"

The New Pot-Carnation Variety

A Decided Hit at the Convention

Don't delay placing your order for Early Delivery

$15.00 per 100, $125 00 per 1000

It's guaranteed to make you happy!

H. EICHHOLZ
FLORIST
WAYNESBORO, PA.

Please mention the Exchange when writing.

Forty Thousand Field-Grown Carnations

Compact, Bushy Stock, in a Very Healthy and Thrifty Condition.

	Per 100	1000
White Enchantress	$7.00	$65.00
Rose P. Enchantress	6.50	60.00
Light P. Enchantress	6.00	55.00
Winona	6.50	60.00
White Perfection	6.50	60.00

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATIONS

5000, Large, Fine, Field-grown, **LORD** stock, $40.00 per 1000.

GEO. PETERS & SONS, Hempstead, L. I., N.Y.

Please mention the Exchange when writing.

5000 Fine Field Carnations

Elbon, a fine red; **Dorothy, Queen Louise, White Lawson, Climax** (a fine pink), **Crocker,** $6.00 per 100; 250 or more, $5.00 per 100. **Enchantress** and **Afterglow,** $7.00 per 100. **100,000 Privet, Shrubs, Vines,** etc.

List Free. Cash Please.

BENJ. CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

In Season

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

PANSY PLANTS

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

SMILAX, extra strong, young plants, ready for permanent beds, at $1.00 per 100; $8.00 per 1000.

GUSTAV PITZONKA, Pansy farm, Bristol, Pa.

Please mention the Exchange when writing.

Preserving Flowers

It has been stated that to preserve flowers in a natural-looking condition they should be dipped into melted paraffin. The latter should be only just hot enough to maintain its fluidity, and the flowers should be dipped one at a time, held by the stalks, and moved about for an instant to get rid of air bubbles. Freshcut flowers, free from moisture, are said to make excellent specimens when treated this way.

A solution in which cut flowers may be kept immersed is stated to be made as follows:

Salicylic Acid	20 grn.
Formaldehyde	10 min.
Alcohol	2 fl. oz.
Distilled Water	1 quart

We have had no experience with these methods, and can only give them for what they are worth. It may be possible that the quantities of the salicylic acid and formaldehyde in the solution may reqnire some adjustment for the special flowers you desire to preserve, but this is a point that ought to be readily determined by a few experiments.—*Answer to an inquiry by Merck's Report.*

Worcester, Mass.

Thirty-five thousand people attended the opening program of the New England fair at Agricultural Park, Greendale, Monday, and witnessed a display of shrubs, decorative plants, flowers, implements and vegetables surpassing any which has been seen in Worcester for years. Aside from these there were many attractions in the various classes where woman's handicraft cookery, etc., were shown. Animals, poultry, machinery for growing and planting and the usual exhibits of such a fair were of interest to the thousands who attended.

The committees had arranged many amusements, races, athletic sports, airship flights and balloon ascensions, as special features, and each received much applause, assisting to make the fair a grand success.

It was in Agricultural Hall that the florists made their display which was magnificent in arrangement and quality of the flowers. Semi-circular mounds of flowers of the season were arranged at the entrance to the second floor of the hall, which was especially devoted to flowers, fruit, vegetables, needle work, painting and crocheting. The nurserymen's exhibit was extensive and included many rare specimens.

Charles R. Fish was winner of the first prize and Addison L. Bemis came second.

For the best exhibition of plants and flowers C. R. Fish was first; A. L. Bemis, 2d; W. D. Ross, 3d. In Gladioli W. D. Ross was 1st; J. L. Moore, Northboro, 2d; C. R. Fish, 3d.

Allyne W. Hixon received first prize for Tuberous Begonias and for Chinese and Japanese Pinks and Verbenas; he also carried off first prize for perennial Phlox and Geraninms and scored highly in several other entries.

W. D. Hathaway of New Bedford won first on Dahlia display, including the Cactus Dahlia.

Arthur F. Snyder won first for a basket, with Mr. Hixon second.

Leonard C. Midgley of the Worcester Conservatories received a $5 gratuity for his Rose display; J. Edwin Draper of the Draper Nurseries $2 for a display of plants and flowers.

H. F. Littlefield has a handsome window display of Asters arranged in long boxes; the entire window was solid with purple, white, pale pink and yellow flowers.

Edward W. Breed showed a rare specimen of Gladioli, "The Sunrise," at Thursday's exhibit of the Wor. Co. Hort. Soc.

Sec. Adin A. Hixon is slightly improved in health and was in the hall several afternoons last week.

Miss Lucy M. Coulson, who has been acting secretary of the Society during the illness of Mr. Hixon, left Saturday for a month's trip to Nova Scotia; Miss Mary A. Coulson, a sister, will take up her duties in the interim. E. D.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery, $10.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill. A. T. PYFER Manager

Please mention the Exchange when writing.

Field-Grown Carnation Plants

	Per 100		Per 100
Enchantress	$6.00	Harry Fenn	$5.00
M. A. Patten	5.00	Winsor	5.00
		Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Field-Grown Carnations—Fall, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Winsor	$7.00	$60.00
May Day	7.00	60.00	Apple Blossom	6.00	50.00
Winona	7.00	60.00	Wanoka	6.00	50.00

"Strong healthy plants for immediate shipment."

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

Please mention the Exchange when writing.

CARNATION PLANTS

Field-Grown, good stock, $5.00 per 100
10,000 **Enchantress** 5,000 **Beacon**

D. T. McCARTHY & SONS
NURSERYMEN and FLORISTS
LOCKPORT, N. Y.

Please mention the Exchange when writing.

CARNATION PLANTS

Clean, healthy field-grown **Carnation Plants.** This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; Pink Enchantress, White Perfection, Bountiful, Winsor, $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

HOWARD P. KLEINHANS 66 CENTRE SQUARE EASTON, PA.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

BEGONIA Vernon, 4-in. pots, in bloom, $1.00 per doz.

STEVIA, dwarf, 4½-in. pots, $1.00 per doz.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

RUBBER PLANTS, 5-in. pots, 25c. each; 6-in. pots, 35c.

POINSETTIAS, 3-in. pots, $5.00 per 100.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

BOSTON FERNS, 4-in. pots, $1.50 per doz.; 5-in. pots, $2.00 per doz.

DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CARNATIONS

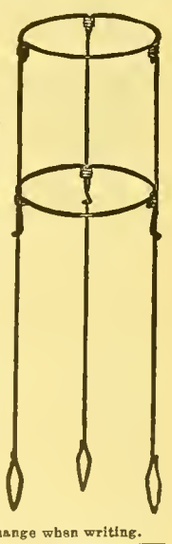
Strong, Field-Grown Plants of Rose Pink Enchantress, $6.00 per 100, $50.00 per 1000.

JOHN F. HORN & BRO.
20 North 6th Street, ALLENTOWN, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

THE
MODEL
Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

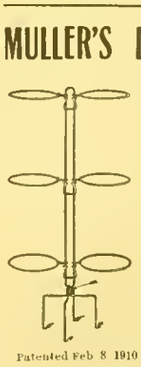
Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
63-71 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

MULLER'S DOUBLE IMPROVED CARNATION SUPPORT



Is the only Support on the mar et that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Patented Feb 8 1910

Müller's Support Talks For Itself.

O. A. MÜLLER, Ambler, Pa.

Please mention the Exchange when writing.

Now is the Time to Communicate With

The Pine Tree Silk Mills

Philadelphia, Pa.

Regarding Ribbons for Fall

We are showing beautiful rich toned qualities in Taffetas, Satin Taffetas and Messalines. Our prices and qualities will interest you.

Address today a postal to The Pine Tree Silk Mills for samples of the very best Ribbons.



Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplnge made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

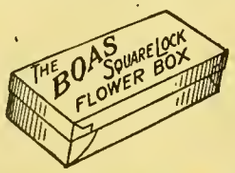
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

"To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

of choicest qualities, and are enabled to supply large and small sizes in any quantity. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples cheerfully sent upon application.

Prices 35c. to 60c. per pound

CHAS. W. JACOB & ALLISON, 18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS, RAFFIA, BARK CLOTH, ETC.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery

We pay the freight on orders for $15 00 or more

Climax Manufacturing Co.
CASTORLAND, N. Y.

Please mention the Exchange when writing.

THE AMERICAN CARNATION By C. W. Ward

Price $3.50 Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

The Book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

Our First Sale at Auction

Takes Place on Tuesday, Sept. 13, at noon,

at which time we will offer a general line of Foliage Plants, such as **PALMS, FERNS, FICUS, PANDANUS, PHOENIX, ARAUCARIA EXCELSA** and **GLAUCA;** also **BULBS.**

W. J. ELLIOTT, Auctioneer **WM. ELLIOTT & SONS, 42 Vesey St., NEW YORK**

Please mention the Exchange when writing.

Washington, D. C.

The drought which has done so much harm was broken on Thursday by a good rain but still more is needed; the earth can, however, be tilled for the Fall crops.

Some of the dealers declare they already feel the stimulating influences of early September days upon their business, but on the whole business is very quiet. Asters are still the chief item of local commerce. The market is flooded with the poorer grades, while the good ones are in insufficient quantities to meet even the light demand. Asters, like Dahlias, sell best for a period of about three weeks just before frost, and prior to the arrival of the second early Chrysanthemums, but few growers locally recognize this and the crops are exhausted at a time when they would sell best. A certain amount of discouragement has met the endeavor on the part of a few who tried late Asters owing to the rapid destruction by black beetle, but planting near a woods and the use of modern insecticides removes all danger from this source.

Mayberry & Hoover report a quiet week; their conservatory is well stocked with a fine lot of decorative plants.

Geo. H. Cooke has a very attractively arranged aquatic window around which is displayed a group of good Palms and fancy Ferns.

Wallace W. Kimmel has just returned from an extended vacation on the lower Potomac, where he reports the fishing the best in history. Mr. Kimmel's new store is pretty well completed and the work on the conservatory at rear will be taken up and rapidly pushed to completion in a short time.

W. B. Shaw is sending in a great variety of good water Lilies including some excellent night-blooming varieties.

George C. Shaffer has had on exhibition, in his 14th st. window, the excellent trophies won by the Florists' Bowling Team, of which he is a member, at the recent convention. His I st. window is taken up with a fine aquatic garden effect: the lake contains a well placed irregularly shaped mossy isle in addition to a great variety of Lilies. The water drips from beneath a moss covered canopy at the back, topped with Ferns and fancy leaved Caladiums over which is a latticed arch with miniature electric lights.

Z. D. Blackistone conducted a special sale on Ferns, Asters and fancy Dahlias on Saturday. He expects the largest Fall and Winter trade ever experienced and in preparation has his conservatory well filled with Palms and Ferns for decorating.

William Marché has his usual fine window decoration of natural flowers in addition to several well executed funeral designs of the artificial flowers. Saturday was a busy day on hardy Ferns. Mr. Marché recently exchanged some good coin for a motorcycle and, on one of his first rides experienced considerable difficulty in preventing the machine from trying to climb a tree; he is out but, per contra, the motor-bike hospital reports the machine will not be for a week.

S. S. Pennock-Meehan Co., through their manager, Mr. Bowers, report that their season has opened and they are receiving large consignments of Dahlias and Asters of the lower grades, also new crop Roses including Am. Beauty from Philadelphia.

A. Schnell, manager of the Florists' Exchange, is getting some fine green Galax from Tennessee, specimen Ferns from local sources and Wm. R. Smith Roses from W. R. Grey at Oakton, Va.; he is also receiving some well grown Am. Beauty from the Washington Florists' Co.

A new retail store is to be opened at 14th st. and Park road, N. W., Oct. 1, by a Mr. Holland, who was formerly with the Washington Florists' Co. and A. J. Phillips.

August Haubert, formerly with W. Marché, has gone to Dallas, Tex., accepting a position with the Dallas Seed Co.

Mr. and Mrs. Pfister, who, for several months, have been touring Switzerland, Germany and France, are expected home Oct. 1.

Jno. H. and Chas. Davis have an unusually large Dahlia crop this season, of which A. D. Livoni is in quantity.

The general manager of the Aphine Co. was in town last week among the growers, and was shown the U. S. Botanical Gardens and Department of Agriculture greenhouses by Mr. Edw. S. Schmid.



The Destruction Caused by a Hailstorm, Aug. 20, to Range of I. N. Kramer & Son, Cedar Rapids, Ia.

Miss Nellie Breuninger, bookkeeper for Gude Bros. Co., is enjoying a month's vacation. O. A. C. Oehmler of the same firm returned on Monday from a vacation at his Colonial Beach cottage during which he was notified of the sudden death of his father. Mr. Oehmler has the sympathy of his many friends.

The Washington Florists' Co. is growing Am. Beauty more extensively than ever this season and is cutting nice ones now. They had several good wedding orders during the week.

The Bureau of Plant Industry is cutting some fine branching Asters grown in solid beds inside. They also have the best Chrysanthemums ever seen at this season, many of which are over 6 ft. in height. Most of these are pot grown and, along with a fine lot of Pompons, will form a part of their annual exhibition in November. The young stock of Roses is in good shape and throwing a great many flowers.

Edw. S. Schmid, in addition to his large and varied stock of florists' wares, has added to his museum of natural history the petrified remains of a cat recently removed from the walls of an old church where it is supposed to have remained for 30 years. Mr. Schmid is never happier than when entertaining florists and doing kind acts for others. Realizing on last Sunday that all good florists were at church (?), and overflowing with the milk of human kindness, his pet monkey was released from bond for a tour of inspection about the interesting store. The supposed "trusty" soon satisfied his inquisitiveness inside, and sallied forth into the street where he climbed to the topmost branches of a tall tree and gave a rapidly increasing number of spectators an ocular demonstration of "rock-a-bye baby." Edw. S. and his full corps of able assistants came promptly forward with crab nets and dog nets and experienced but little difficulty in securing a number of small boys to climb the tree and try to shake the monkey into one of these nets, but before this was effectively done the crowd had swollen to some 1500 people. Mr. Schmid says he has no regrets as long as the people enjoyed the fun.

The People's Garden Association, which organized some months ago and offered a series of prizes for the best kept back and front yards, window boxes, the best flower beds, etc., is now beginning to look over the respective places in view of deciding to whom the prizes ($225 in cash) shall be awarded; the competition has been keen.

Not long ago the District of Columbia undertook to prosecute all owners of vacant lots upon which the weeds were not cut down, and after a most strenuous effort found they were handicapped in their endeavor. While engaged in such observations it would be well for the officials to look before their own doors, and at the suburban roads where the rag weeds have attained gigantic proportions and have produced seed in unmeasurable quantity. This objectionable feature, and the strong tendency of this weed to produce hay fever, seems incomparable to the crime such overgrown places invite.

JAS. L. CARBERY.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y

A Severe Hailstorm

I. N. Kramer & Son, Cedar Rapids, Ia., writes us as follows:

On Saturday, Aug. 20, we had the most severe hailstorm ever known in this section, most of the hail coming down in the form of irregular chunks of ice 1½ to 2½ in. in diameter. We had about 165 boxes of glass broken. The accompanying photograph shows part of our houses, the north side where most of the damage was done, though considerable glass was broken on the south side as can be seen on the small house in the photograph. The glass still left on the houses, as shown in the photograph, is nearly all cracked and broken, and that which was knocked out was hammered in small pieces, looking as though it had gone through a mill. Palms, Rubbers, Roses, Carnations and stock of every description was badly damaged. Outdoor stock was cut to pieces. Dahlia stalks an inch or more in diameter were cut off and vegetables pounded to a jelly. Great damage was done to churches, schoolhouses and also to farm crops.

Rochester, N. Y.

The past week shows no improvement in market conditions, with the exception that Roses have cleaned up much better than for some time, considerable work having been offering, which used them up. Asters are ever present, and in such quantities as to almost turn one's brain in trying to find a market for them. The local trade is comparatively small for this stock, as every dealer usually has plenty of his own; the bulk of them are, therefore, shipped to other markets, this being the only way in which they can be disposed of. The later varieties are of very fair quality, some heavy rains having benefited them, coming just at the right time to lengthen the stems.

The farm of James Vick's Sons presents a wonderful sight, with its acres of Asters in bloom. This also applies to the Vick & Hill Co.'s farm at Barnards, the Asters doing extremely well on the new farm purchased by this concern.

E. R. Fry has just finished housing his Carnations on the Cottage st. place. The plants were in excellent condition for benching and that good results will ensue this coming season is almost a foregone conclusion. Lady Bountiful does extremely well with Mr. Fry and he is loud in his praises of this sort for a good white Carnation.

W. D. Oviatt has completed some new greenhouses, and has 20,000 Chrysanthemums benched and in fine condition. Mr. Oviatt, after careful selection and observation, has got the Chrysanthemum end of the business dowo to science and invariably gets his stock on the market when it is most needed.

Clifford & Son are busy benching their Carnations and with a new house have increased their output considerably. This firm is very successful with Carnations and disposes of its entire cut through George B. Hart.

The executive committee in charge of arrangements for the convention, which is now a matter of history, met on Thursday evening, and, with practically all the bills in, it was found that all could be met, leaving a balance on the old account of the Association of something like $500. The attendance at the Hall by the public was rather disappointing, but could be accounted for in a measure by the weather, and to a mistake made in advertising it as open every afternoon, many being refused admission. H. B. STRINGER.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—In Rose or Carnation houses or as general greenhouse man. Address F. J. Taney, 132 Guernsey st., Brooklyn, N. Y.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By competent landscape gardener with nursery growing experience. References. Address F. M. Hadden, 145 Pond St., Providence, R. I.

SITUATION WANTED—By experienced and successful grower of cut flowers and general stock. Only Eastern parties and where charge is given need answer. References. Address, F. O., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, married, as greenhouse man; 18 years' experience in inside and outside work. First class references. Address E. C., care The Florists' Exchange.

SITUATION WANTED—By A 1 storeman and decorator in first-class store in New York City. Ten years' reference from present employer. Address, E. S. Gorney, 108 Myrtle st., Boston, Mass.

SITUATION WANTED—As manager of store; 21 years' experience with the best trade of N. Y. City and vicinity. A 1 designer and decorator. First-class reference. Address, F. N., care The Florists' Exchange.

SITUATION WANTED—By bright, intelligent man of good appearance and address as seed store assistant. Moderate wages asked. Address, F. D., care The Florists' Exchange.

SITUATION WANTED—By sober, industrious grower of decorative and bedding plants, Roses, Chrysanthemums, Carnations, Vegetables. Private and commercial experience. Good wages expected. Please state full particulars in first letter. Address Henry Baner, care of Fred Hollander, Port Washington, Long Island, N. Y.

SITUATION WANTED—By seedsman, having over 15 years' experience with promioent American and English Seed Firms; successlul traveling salesman; open for engagement. Address, stating full particulars, F. H., care The Florists' Exchange.

SITUATION WANTED—As assistant on private place by a young man. Four years' experience in greenhouses, and in general stock raising; also in Nursery work. Advertiser would like to learn Rose growing. Please state wages and full particulars in first letter. Address F. J., care The Florists' Exchange.

SITUATION WANTED—As working foreman by German, 30 years of age, married, 14 years' experience in growing Carnations, 'Mums, Roses and a general line of pot and bedding plants; capable of taking full charge of any place. Good decorator and designer. Best of references. Address, F. G., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, German, middle-aged, single, very neat and sober; good worker; a first-class all-around man; 25 years' experience in private and commercial places; experience in growing Roses, Carnations, Chrysanthemums. Good designer. First-class references. Address F. M., care The Florists' Exchange.

SITUATION WANTED—By young man, American, strictly temperate and reliable; a number of years experience in Carnations, Roses, 'Mums and Violets, also bedding plants. Advertiser expects position on an up-to-date retail place where first-class stuff is grown; not less than 20,000 feet of glass. Good references can be furnished. Please state wages and full particulars in first letter. Address, F. C., care The Florists' Exchange.

HELP WANTED

WANTED—Florist, experienced in growing Carnations and 'Mums. Apply to D. Y. Mellis, Snyder Ave., Flatbush, Brooklyn, N. Y.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A good general greenhouse man with some experience in watering and willing to assist in firing where Carnations and Chrysanthemums are grown mainly. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Night fireman. Apply John Young Co., Bedford, N. Y.

WANTED—A good all-around man for store and greenhouse work; must come well recommended; married man preferred. Apply Munro, 974 Chapel st., New Haven, Conn.

WANTED—Man who has had experience handling plant department in a first-class retail flower store. Good opportunity for the right man. Confidential. Address F. R., care The Florists' Exchange.

WANTED AT ONCE—A man for Carnations and general greenhouse plants. Must be sober and industrious. State wages required and particulars when writing. Address, F. A., care The Florists' Exchange.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Good grower of 'Mums and general stock, who is also able to do outside gardening; must be sober and reliable; only willing workers need apply. Address giving references, F. L., care The Florists' Exchange.

WANTED—Greenhouse constructor with some floral ability. Board and room furnished. Do not answer unless you mean business. Fair wages to party answering above requirements at once. H. B. Thompson, Canonsburg, Pa.

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understand thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A man who has been growing the best quality cut flowers to work as foreman on wholesale place of 20,000 feet. To a temperate, reliable man who knows how to produce the goods and who will take hold and demonstrate his ability, a good proposition would be offered. Give reference, wages expected. Address F. P., care The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

FIELD GROWN CARNATION PLANTS
6000 Lord and 1000 Victory, $35.00 per 1000.
Julius Chevalley, Blue Point, L. I.

CARNATIONS—Field grown, Lloyd, $5.00 per 100, $45.00 per 1000. Second size, $3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

EXTRA FINE CARNATION PLANTS
4000 Queen, $50.00 per 1000
4000 Lawson, $50.00 per 1000
Rowayton Greenhouses,
Rowayton, Conn.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS.—Extra large and strong field grown stock: Enchantress and White Enchantress, $6.00 per 100. Crocker, Queen and Prosperity, $5.00 per 100. W. C. Pray, Dobbins P. O., N. J.

FINE CARNATION PLANTS

Field grown Queen Louise, Lady Bountiful, Red Sport, 3-in pots Lawson, Var. Lawson, White Lawson; all clean and perfectly healthy stock, $4.00 per 100, $35.00 per 1000. Cash with order. Virginia Nursery Co., Purcellville, Va.

FIELD GROWN CARNATION PLANTS

STRONG AND HEALTHY

Enchantress and Winsor $5.00 per 100. Queen $4.00 per 100.
Harry Fenn $3.00 per 100. Cash please.
John L. Lundsted, Passaic, N. J.

Please mention the Exchange when writing.

CARNATION PLANTS

Free from stem rot and healthy. 700 Lawson, $4.00 per 100. 2500 Queen Louise, $40.00 per 1000, large plants. 2000 Harlowarden, $30.00 per 1000. Second size Lords and Queen Louise, $30.00 per 1000.

F. B. ABRAMS, - Blue Point, L. I.

Please mention the Exchange when writing.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

ASPARAGUS PLUMOSUS, 3½ inch, strong, $7.00 per 100. Thos. R. Fries, Lancaster, Pa.

STOCK FOR SALE—Clematis Paniculata, extra strong roots, $8.00 per 100. Cash with order please. Michael Haugh, Walnut Tree Hill, Sandy Hook, Conn.

STOCK FOR SALE—Smilax, 2½-in. pots, $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

PRIMULA OBCONICA—The very best flowering varieties, strong healthy plants, ready for 4 in. pots, $4.00 per 100, $30.00 per 1000. Cash with order. Henry Rudolph, Essex Fells, N. J.

VIOLET CLUMPS

Princess of Wales and California Violets, extra fine field grown clumps, $4.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

FOR SALE—Extra strong Wineor, field-grown Carnation plants, at $5.00 per 100. Strong Asparagus Plumosus Nanus out of 3½ in. pots, at $7.00 per 100, $65.00 per 1000. Address Kramer Bros., Farmingdale, L. I., N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

BEGONIA.—Flowering, 15 varieties, fine plants, some kinds in bloom, $5.00 per 100; try them. 2000 Ferns, large bushy plants from benches or pots, Boston Scottii, Whitmani, Elegantissima, etc., 15-25-30-35 cents each. A special bargain. Alonzo J. Bryan, Washington, New Jersey.

STOCKY strong plants of Daisy Snowball (white) Longfellow (pink) and Double Sweet William, 50c. per 100, $1.00 per 250, $3.00 per 1000. Double Wallflower strong, 12 inch high, $2.00 per 100. R. Monaghan, Abington, Pa.

HYDRANGEA OTAKSA, extra field grown plants for 8 inch pots, 5 branches, 10 cents, 6 branches, 12 cents, 10 branches, 20 cents. 100 in assorted sizes, 5 to 12 branches $10.00. Young plants with one branch, $2.00 per 100. F. J. Langenbach, Florist, Norwich, Conn.

ROSE PLANTS

Perles and Richmond from 3-in. pots at 3c.; Brides and Bridesmaids from 2½-in. pots at 2½c.; from 2¼-in. pots at 2c. Satisfaction guaranteed. Brant Bros., Inc., Utica, N. Y.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
300 Gardenias (extra fine), at 15 cents each.
All plants in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

STOCK FOR SALE—1000 Queen Louise, 600 T. W. Lawson, very strong healthy plants, $5.00 per 100, the lot for $60.00. Jerusalem Cherries full of berries from field 10c. 450 Campbell Violets field grown, nice plants, $5.00 per 100, the lot for $15.00. 100 4 inch Cyclamen, want to be shifted to 5 in., 15c., the lot for $12.00. Cash with order. Swenson, The Florist, Winsted, Conn.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

CYCLAMEN, fine thrifty plants, mixed colors, 3-in., $5.00 per 100. PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

Strong full grown Phlox, $3.50 per 100. Boule de feu, bright red; Athis, pink; Jeanne d'Arc, white; Josephine Gerbeau, white, red eye; Eclaireur, red white markings.
Peonies, 3 to 5 eyes, fine varieties, $6.50 per 100.
Festiva Maxima, $10.00 per 100.
Sunnyfield Nursery Co.,
Poughkeepsie, N. Y.

STOCK FOR SALE—Asparagus Sprengeri, largo seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses,
Pine Brook, N. J.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FOR SALE OR RENT

FOR RENT—Part of well paying established flower store, as salesroom for Japanese plants. Address F. F., care The Florists' Exchange.

FOR SALE OR RENT—On account of death of husband, will sell or rent two greenhouses, six-room house, barn, and two acres of land. Address, Mrs. Edwin J. Hill, 40 Hull st., Ansonia, Conn.

FOR SALE—Two greenhouses with lot and business. Area of houses, six thousand square feet. Right price to quick purchaser. Reasons for selling, sickness. Apply to Franz Weiskopf, 354 First avenue, Bethlehem, Pa.

FOR SALE—Retail place, 8 miles from New York, 3 greenhouses on leased land with the first option to buy, 4 more years' lease. All in perfect condition, just step in and do business. Price $2750, all cash. Reason for selling: my wife's health. Address D. M., care The Florists' Exchange.

FOR SALE—Greenhouse establishment with four well stocked semi-iron frame greenhouses, good barn and out-buildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last four years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address D. J., care The Florists' Exchange.

FOR SALE On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of elght rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.

H. KUHNERT & SON
HACKENSACK, N. J.

SUNDRIES FOR SALE

FOR SALE—3000 second hand Model Carnation Supports, in good condition at $10.00 per 1000. Henry Holzapfel, Jr., Hagerstown, Maryland.

FOR SALE—Hitching 55 boiler in very good order. Can be seen at Fort Hamilton Parkway & Gravesend Ave., Brooklyn, N. Y. Price $100.00. Chas. Krombach.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3250 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 58 Troutman St., Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must ba sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $150.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—2 wagons, 1 top and 1 open; both wagons in first class condition, hardly been used. Built by Fitzgibbon & Crisp. Address Cole, the Florist, 191 Newark Ave., Jersey City, N. J.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and each. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Streat, or P. O. Box 293, Newark, N. J.

FOR SALE—Mercer hot water heater, used only two years, in good condition. Capacity, 1500 square feet, all parts. Price $58.00. This is a high class boiler made by H. B. Smith & Co., worth $175.00 as it stands. R. C. Vernes, 175 Senator St., Brooklyn, N. Y.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
15,000 sq. feet 10 x 12 double thick glass,
15,000 sq. feet 1½, 2 and 3-in. pipe,
5,000 flower pots, asst. sizes.
Three large boilers (hot water) sash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

Your Money is well spent when you Advertise in THE FLORISTS' EXCHANGE

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, greenhouse plant, 15,000 to 20,000 feet of glass with dwelling and two or more acres of land, near New York. State full particulars in first letter. Address B. G., care The Florists' Exchange.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

35,000 ft. 3-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

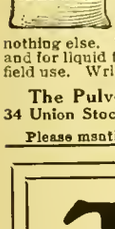
Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 861 DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**

Please mention the Exchange when writing.

500,000 Celery Plants

White Plume, Golden Self-Blanching, Fin de Siecle, Heartwell's Perfection, Giant Pascal, Boston Market, Golden Dwarf, Winter Queen, Pink Plume, London Red; also Celeriac, $2.00 per 1000, 25c. per 100.

CABBAGE PLANTS: Flat Dutch, Late Drumhead, Early Summer, Autumn Giant, Red and Savoy, $2.00 per 1000, 25c. per 100.

SNOWBALL CAULIFLOWER PLANTS, $5.00 per 1000, 60c. per 100.

KALE PLANTS, Green, $2.50 per 1000, 30c. per 100.

ENDIVE PLANTS, Curled and Broad-Leaved, $2.50 per 1000, 30c. per 100.

BRUSSELS SPROUTS, $2.50 per 1000, 25c. per 100.

WILLIAM KEYSER, Rendolph Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

Kalamazoo, Mich.

The long dry spell broke up last week with a severe wind and rain storm doing quite considerable damage in this vicinity. The florists, however, were fortunate, and I have not heard of any losses among them. The rains were indeed welcome and did much good to the late crops, so that the present quality of Asters, etc., are good and find very fair sales.

Summer business, however, has been very light and funeral work about the only class of trade. Referring to the latter, I am told by the cemetery authorities the casket bouquet and loose flowers are, as a rule, more in evidence nowadays than the set designs, and if this is so the most profitable branch of the retailer is on the wane. The storemen are, however, loth to admit much decrease in design work and we hope it is so, for the trade has enough to contend with already and the loss of design work would put a crimp of large dimensions in the profits.

The county and interstate fair will be held this week and, as it offers fair inducements, no doubt the florists' display will be as attractive as hitherto. I don't think the advertising features are as well appreciated as they might be among us, for the opportunity of placing your goods before 100,000 sightseers in a few days seems certainly worth a special effort. In this respect the nurseryman is slower to catch on than the florist.

In the greenhouses things are shaping well for the Fall trade and, excepting Carnations, no difficulty will be experienced in supplying all demands. As the schools are opening and many of the people back from vacations we hope to see a little more life injected into business.

S. B.

Catalogs Received

FRANK E. RUE, Peoria, Ill.—1910 Autumn Catalog of Bulbs for Fall Planting, Flower and Vegetable Seeds and Nursery Stock.

J. A. SIMMERS, Toronto, Ont.—Annual Autumn Catalog of Bulbs, Ornamental and Winter Flowering Plants, Vegetable Seeds, Tools and Requisites.

WINTERSON'S SEED STORE, Chicago, Ill.—Garden Guide, Autumn, 1910, listing Flowering Bulbs, Hardy Perennials, Flowering and Ornamental Shrubs, Trees for Fall Planting, Fertilizers, Insecticides, etc.

J. M. THORBURN & CO., New York.—Thorburn's Bulbs, 1910. Complete list of Bulbs and Bulbous Plants for Fall Planting. Hardy Annual and Perennial Flower Seeds, Flower Seeds for Frames and Greenhouses, Vegetable Seeds, Grass Seeds, Insecticides and Fertilizers. Copiously illustrated.

JACKSON & PERKINS CO., Newark, N. Y.—Trade Price List for Fall 1910 and Spring 1911. This publication lists Roses, Clematis and other Climbers, Hardy Perennials, Peonies, Evergreens, Conifers, Ornamental Shrubs, Ornamental and Shade Trees, Fruits, Florists' Stock and devotes an entire page to Tree Lilacs of which they are making a specialty; J. & P. Co. were the first to grow Hydrangea p.g. in tree form and their success with these has led them to make the same venture with Lilacs, which they offer in all shades of color and in both single and double forms.

R. & J. FARQUHAR & CO., Boston, Mass.—Farquhar's Autumn Catalog for 1910. A feature which distinguishes this catalog from the majority of others of a similar nature consists in the liberal use of large and well executed illustrations by the firm publishing it, these illustrations covering practically the entire range of Bulbs and Bulbous Plants for Fall Planting as well as of practically all other subjects listed. The catalog contains in addition a listing of Hardy Perennials, Hardy Ornamental Shrubs, Roses, Ornamental Shade Trees, Hardy Conifers, Trained Fruit Trees, Decorative Plants, Flower, Vegetable and Lawn Grass Seed for Fall Planting, Farm and Field Grasses, Fertilizers, Insecticides and Supplies.

BROCKTON, MASS.—Miss Lizzie Reed, proprietor of the retail florist business conducted under the name of Reed the Florist, has removed from 207 Main st. to a store in the Daniel S. Building.

Small Fruit and Market Garden Farm

For Sale on Long Island

The subscriber offers for sale a Small Fruit and Market Garden Farm on the South side of Long Island in a noted Summer Resort Section. The property consists of greenhouses, store, barn, dwelling house and about three acres of well cultivated soil. The reason for selling is a recent death in the family. Can be purchased with or without house, for a small part cash and balance on mortgage. Full particulars upon application to

FARM, care Florists' Exchange.

Please mention the Exchange when writing.

WANTED

150 Swanley White Violets

(FIELD-GROWN)

Address, F.K., care The Florists' Exchange

Please mention the Exchange when writing.

Seedsman Wanted

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well-established nursery business. Address giving full particulars.

Elliott Nursery Co., Pittsburg, Pa.

Please mention the Exchange when writing.

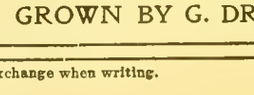
Some Plant Bargains

3000 JERUSALEM CHERRIES, 2000 CHRISTMAS PEPPERS, finely berried, 6 in. 12½c.; 6 in. 8c. DRACAENA INDIVISA, splendid stock, pot grown, 6 in. 25c. to 35c.; 6 in. 15c. to 20c.; 4 in., from field, 6c. ASPARAGUS Sprengeri from frames, 5 in. 10c.; 4 in. 7c. SMILAX, 3 in. stock, very strong, 3c. Cash with order from parties unknown.

JOS. J. SOKOL, WESTVILLE, NEW HAVEN, CONN.

Please mention the Exchange when writing.

TILE DRAINED LAND IS MORE PRODUCTIVE Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.



Please mention the Exchange when writing.

The New Fern NEPHROLEPIS DREYERII

(SPORT OF BOSTON)

THIS New Fern, when exhibited at the S. A. F. & O. H. Convention recently, received the following description: "Nephrolepis Dreyerii has *many good points* which will render it *popular*. It makes a *quick growth*, is *compact*, of *good color*, and stands considerable *rough treatment*, adapting itself to almost any condition. It is of the Scottii type, but *not as stiff*, the fronds drooping *gracefully*, giving the plant a very *attractive appearance*."

Ready for delivery after October 1. PRICE: 2¼ inch pots, per 100 $25.00; per 1000 $200.00.

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FERNS Ferns from Bench

Boston, Elegantissima, 4-in., 10c.; 5-in., 12½c.; **Runners,** $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.; **Runners,** $15.00 per 1000.
Amerpohli, 3-in., 8c.; 4-in., 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.; **Runners,** $10.00 per 1000.
Giant Snapdragons from field, white, pink, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 30c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.

	Per 100
CHINESE PRIMROSES, 2-in.	$2.00

PRIMULA Obconica, Alba, Lilac, Ruhra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** and **Kewensis,** 2-in. pots, $3.00 per 100.

Cash with order.

BYER BROS., - Chambersburg, Pa.

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We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(53) **"Spring Disease" of Tomato Plants.**—What is the cause and remedy for "Spring disease" among Tomato plants.—Z. & W., Pa.

If by "Spring disease" blight or rust, (Cladosporium fulvum), which attacks Tomato plants more particularly toward Spring, is meant, the plants should be at once very thoroughly sprayed with Bordeaux Mixture. Repeat the spraying until the disease disappears. The greater the force with which the Bordeaux is applied, the finer will be the spray, the more effective the application, and the smaller the amount of material required. A first-class spray nozzle is, of course, very necessary.

(54) **Ribbed Glass for Conservatory.**—Can a small conservatory be glazed with ribbed skylight glass, about 3-16 thick? Would it be possible to grow plants, if so glazed, successfully in assortment; if detrimental, why? The conservatory is on the south side of a dwelling house about 10x6 ft., roof at back about 8 ft. high; ventilators in top next house, east and west sides of extreme top; also ventilators in front, glass perpendicular, plain glass. Heat is hot water circulation, with a night temperature of 40° Fahr. in coldest weather. Heat from sun in mild weather will run temperature between 80° and 90°.—A. A. W., N. J.

—If foliage plants only, such as Ferns, Palms, Ficus elastica, etc., are to be grown in the conservatory, they will do well under ribbed skylight glass, especially in the Summer, when shading is desirable, but flowering plants will not do as well, especially in the Winter, when they should have the full sunlight. If double thick, first quality, greenhouse glass is used, shading can be applied in the summer, and removed in the Winter, and the matter of light is under better control. In a private conservatory the light in Summer can be diminished by very thin cheese cloth, or white mosquito netting, neatly suspended close to the glass inside. Ribbed glass catches the dirt easily, and is harder to clean. 50° Fahr. would be a better night temperature than 40°, for an assortment of plants.

(55) **Will Privet Grow Well Under Shade Trees?**—Will Privet do reasonably well under a row of trees trimmed high, say 12 ft. from the ground? They would face toward the East and get the sun the first part of the day. Is there anything else that would do better under the circumstances than Privet?—W. S. K., Pa.

—The Privet will grow "reasonably" well under shade trees trimmed up 12 ft. high, if the trees are deciduous and not evergreen, but it will not make as good a hedge as it would if growing in the open. If the trees are evergreens, it would probably be almost a total failure. Rhododendrons are not strictly a hedge plant and they are somewhat expensive, but they show their best results when planted in a partial shade. The roots of the trees will rob the soil of most of its fertility, and you can help the Privet by giving it very heavy top dressings of bone meal, and stable manure.

(56) **Spruce Trees Dying.**—Last April I planted an ornamental Spruce. It made some growth this Summer, but now the ends of the new growth are dying, also some of the limbs. Could you tell the reason? Was it planted at the wrong season; what is the right season for planting evergreens and ornamental trees?—C. H. P., N. J.

—Apparently the Spruce trees have not made enough root growth to carry sufficient water to the ends of the limbs and keep the trees alive. While out of the ground, before selling, the roots of evergreens should never be allowed to become dry. If they can be moved with a ball of earth on the roots, it is much better. There is no better time to transplant evergreens than in the month of September. See Joseph Meehan's article on "Evergreen Planting" in the first column of page 371 of The Florists' Exchange issue of Aug. 27, 1910.

(57) **Carnation Stema Short.**—Can you advise anything to be added to soil growing Carnations, to induce them to produce longer stems; for while the flowers are of good quality, the stems are a good deal shorter than are grown on some other places. I use cow manure for the compost of good sod, medium soil, plants housed the middle of August from field grown plants. I use tankage for top dressing plants after they are well established, about every four to six weeks, and use weak liquid manure every ten or twelve days through the flowering season. I have never been able to get very long stems in previous years.—A. T., N. J.

—Field grown Carnations plants benched in August should not be expected to give long stemmed blooms early in the season, but there is no reason why they should not produce long stems from Christmas, or even earlier, to the end of the season. The fertilizers mentioned are all right. A top dressing of bone meal three or four times during the season, and wood ashes once or twice, also one or two applications of lime will all help to make strong vigorous plants, from which only long stems can be obtained. Most important, perhaps, of all is to have vigorous, well-branched plants for benching. Furthermore, it must not be expected that the different varieties of Lawson and Winsor will produce as long stems as Enchantress and some other varieties. Again, Carnations grown indoors from the start produce long stems much earlier, as a rule, than field grown plants.

(58) **Flowers and Plants for the New York Market.**—I am just starting a place 71 miles from New York City and 10 minutes from railroad station. I would like to know what pot plants and cut flowers would be most suitable and profitable to grow for the New York market.—M. S., N. Y.

—Without any knowledge of the kind of greenhouses the inquirer has or of any of the conditions except name of town and distance from New York city, it is difficult to give definite advice. The cut flowers most grown for New York market under glass are Roses, Carnations, Violets, Sweet Peas, Chrysanthemums and Lily of the Valley. To these may be added Gardenias, Orchids and the whole line of flowers produced from bulbs. In plants for house decorations there are Ferns, Ficus Pandanus, Dracænas, Crotons, and Aspidistras. For bedding out, Geraniums, Coleus, Alternantheras, and Salvias. For a full list of cut flowers used in New York markets read "Wholesale Prices of Cut Flowers" in any issue of The Florists' Exchange. As the distance named from New York city is considerable, the growing of cut flowers, such as Carnations, Sweet Peas, and Lily of the Valley would perhaps be more profitable than growing plants.

Columbus, O.

The unusually long drouth throughout Central Ohio has been very hard on outdoor stock. The supply of Asters is reported as being very poor and unsatisfactory.

Secretary McKellar of the Columbus Florists' Club, who has just returned from his vacation, reports a gain of seven pounds in weight in a trifle over two weeks' time.

The turmoil caused by the strike of street car men, which has been going on in this city for about six weeks, has had quite a depressing effect on business, although all cars are now running regularly. The trade of the florists seems to have been hit about as hard, proportionately, as any.

Elaborate preparations are being made for the coming National Corn Exposition, which will be held on the Ohio State Exposition grounds in this city from Jan. 30 to Feb. 11, 1911. It is expected that upwards of 30 State agricultural colleges and experiment stations will put up their best exhibits, the whole being along the line of improved seed as well as improved culture generally. Among the prominent speakers who are to take part in the National Rural Life conference, to be held in connection with the exposition are Dr. L. H. Bailey of New York, Kenyon Butterfield of Massachusetts, and Henry Wallace of Iowa, all members of the Roosevelt Country Life Commission.

C. D. B.



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The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 60c., ⅛ oz. $1.00, oz. $7.50.

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Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

San Francisco

The Market

Market conditions continue to be satisfactory, and prices are holding out pretty well. The weather of late has been rather cool, which, no doubt, helps considerably. In a sense, this seems rather peculiar, but it is always noticed that the cooler the weather the better business is, both from the growers' and the retailers' point of view. Naturally, at this time of the year we have quite a variety of flowers and wonder how they are disposed of. At the present time the market is simply flooded with outdoor flowers of all descriptions; still, on the whole, they are disposed of at good prices, and we really have not enough. The great festival of the Native Sons of California to be held on Sept. 9 will, I have no doubt, tax the growers and the retailers to the limit, and trade will be good from now on until after the festival. At the present time, Carnations are pretty good, in fact they keep improving daily, owing to the cool weather. In the Rose line a corresponding improvement is also to be noticed, and the quality of the blooms brought into the market is better than for some time back. Carnots are especially fine, and some of the blooms of this variety marketed this week would be hard to beat for substance and color. Liliums are quite a popular flower in the stores at present, and sell well; in fact, when one walks along Market st. it is surprising to notice how many people have big bunches of Liliums under their arms. Amaryllis continues to come in large quantities, and prices hold out pretty well. Asters are probably the most popular flower at present and good prices are to be obtained for blooms of the first grade. I have never seen such good quality in Asters as I have seen in San Francisco this year. 'Mums continue to roll in and by another week we should be in the midst of them. Present indications point to a very fine crop of 'Mums being marketed this season. In the choicer grades of flowers we have nothing to talk about. Valley is abundant and of good quality, and prices are up to the average. Stephanotis is to be seen in quantity in some of the stores, and comes in handy for design work of all descriptions. Orchids continue to be a luxury and we await the return of our friend C. labiata. In green goods the supply is ample with prices ranging about the same.

Various Notes

The E. W. McLellen Co. of Burlinghame are shipping some very fine Carnot Roses to town these days.

A recent visit to Charlie Abrahams, of the Western Nursery, showed everything looking fine and business going on with a rush. Mr. Abrahams' versatility as a plant grower is well known, and one is always sure to see something at the Western Nursery that cannot be seen anywhere else. Mr. Abrahams informed me that business has been very satisfactory of late, and that he intends starting to build two more houses at once.

Otto Holm, of Golden Gate Park conservatory, the victim of the recent hold-up in the Park, is progressing favorably, and will resume his duties in the park in the course of another week.

Geo. C. Pape, the well-known horticultural builder, has started work on the new range of glass to be erected on the Lathrop Estate.

H. E. Botkin is at present building a large lath house on his place in Ross Marin County.

The Elmhurst Floral Co. has moved to its new store on Twelfth st., Oakland.

Julian Eppstein reports having had splendid business at his store in the St. Francis Hotel lately. Mr. Eppstein expects to do a lot of selling during the festival week.

Alex. Kerr, of the Spring Estate was in town this week. Mr. Kerr expects to start two hundred more men to work on the estate in the course of the next week or so.

George Farley of Oakland has started to erect a large greenhouse at his Rock Ridge place, which he will use for the cultivation of Ferns.

Henry Gertzien of Redwood is shipping some very fine early 'Mums to the city these days.

Andrew McDonald of Menlo Park accompanied by his wife left here Sept. 1 on a two months' trip to Europe.

The MacRorie-McLaren Co. received an order this week from King George of England for Phalænopsis.

WM. MCM. BROWN.

Paper Material as Roofing

The building in which the recent horticultural exposition at Lilgnitz, Germany, was held, has its sides and roof of cellulose material of which paper is made. Although it rained violently part of the exhibition time, the hall was always dry. This cellulose is made watertight by soaking in varnish. The director of the exposition had it prepared as follows: strips 8 ft. long and 3 ft. wide were piled into a zinc tub and enough varnish poured over to saturate them; they were left for 24 hours and then hung up to dry. This treatment makes the material entirely impervious to water, and on buildings which need not be uncovered every day, and where it is not continually handled, it is exceedingly durable. Moreover, it is translucent, so that no skylights are needed. The same hall will be used for a fruit exposition this Fall.—*Moeller's.*

DREER'S PALMS—Our Leading Specialty

Clean, Healthy, Vigorous Plants of Good Color and Value

ARECA LUTESCENS

A splendid lot of well-shaped plants, of good color.

2¼-in. pots, 1 plant in a pot.....85c. per doz.; $6.00 100
6-in. pots, 3 plants in a pot, 28 to 30 in. high.....$1.00 each
7-in. pots, 3 plants in a pot, 36 in. high.....$2.50 each

COCOS WEDDELIANA

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high.....$1.50 per doz.; $10.00 per 100
3-in. pots, 8 to 10 in. high..... 2.00 per doz.; 15.00 per 100
5-in. pots, 18 to 24 in. high, splendid plants.....75c. each
7-in. pots, 34 to 36 in. high, grand specimens.....$2.50 each

KENTIA BELMOREANA

2¼-in. pots, 4 leaves, 8 to 10 in. high, $1.50 per doz., $10.00 per 100; $90.00 per 1000
6-in. pots, 6 leaves, 20 to 24 in. high.....$1.00 each
6-in. pots, 6 to 7 leaves, 26 to 28 in. high..... 1.50 each
Specimen plants, 9 to 10 ft. high, in tubs.....$40.00

KENTIA FORSTERIANA

2¼-in. pots, 4 leaves, 8 to 10 in. high, $2.00 per doz.; $15.00 per 100; $140.00 per 1000
3-in. pots, 5 leaves, 12 to 15 in. high, $2.50 per doz.; $20.00 per 100; $175.00 per 1000
6-in. pots, 6 leaves, 28 to 30 in. high..... $1.00 each
6-in. pots, 6 leaves, 34 to 36 in. high..... 1.50 each
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high..... 5.00 each
10-in. tubs, 6 to 7 leaves, 72 in. high..... 10.00 each
11-in. tubs, 6 to 7 leaves, 84 to 90 in. high..... 15.00 each

The following are exceptionally heavy and valuable decorative plants.

14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high.....$25.00 each
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high..... 30.00 each
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high..... 35.00 each
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high..... 40.00 each
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high..... 50.00 each



KENTIA FORSTERIANA—Made-up Plants

7-in. tubs, 3 plants in a tub, 36 in. high..... $2.50 each
7-in. tubs, 3 plants in a tub, 38 in. high..... 3.00 each
8-in. tubs, 3 plants in a tub, 40 to 42 in. high..... 4.00 each
8-in. tubs, 3 plants in a tub, 42 to 45 in. high..... 5.00 each
8-in. tubs, 3 plants in a tub, 4 ft. high..... 6.00 each
9-in. tubs, 3 plants in a tub, 4½ ft. high..... 8.00 each
10-in. tubs, 3 plants in a tub, 5 ft. high..... 10.00 each
12-in. tubs, 3 plants in a tub, 5½ ft. high..... 15.00 each
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy..... 20.00 each
16-in. tubs, 3 plants in a tub, 7½ to 8 ft. high..... 25.00 each

LIVISTONA ROTUNDIFOLIA

We offer a fine lot of this desirable miniature Fan-Palm.

2¼-in. pots .....$1.50 per doz.; $10.00 per 100
3-in. pots ..... 2.00 per doz.; 15.00 per 100
4-in. pots ..... 3.50 per doz.; 25.00 per 100
5-in. pots ..... $6.00 per doz. (nicely characterized)

PHOENIX RUPICOLA

Good 6-in. pots.....$1.50 each
Good 8-in. pots..... 2.50 each

PHOENIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer:

4-in. pots, nicely characterized.....60c. each
5-in. pots, nicely characterized.....$1.25 each
6-in. pots, nicely characterized..... 2.00 each

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

New Plant for H. A. Dreer, Inc., at Riverton, N. J.

Dreer's are about to begin the erection of an entire separate greenhouse plant at Riverton, N. J., on a location some distance from their present greenhouses. The plant is being designed to eventually cover a very large area. It will be built in blocks, the first block to be erected this season. This first block will be built with a service building in the center, the service building being 34 ft. wide and 203 ft. long. On each side of the service building will be one leanto 203 ft. long, and from each leanto will be built a range of ten greenhouses, each house 21 ft. 9 in. wide and 203 ft. long, making a total of twenty greenhouses and two leantos. A cross passageway will be run through the whole block of greenhouses from side to side, this passageway being 3 ft. wide, with 100 ft. of greenhouse on each side. The service building will be of iron frame construction and practically fireproof; and the roof will be built with a clear span so that the interior will be free of posts. Ten of the greenhouses will be open under the gutters and will not be provided with benches; they will be run at a low temperature. The other ten greenhouses will be divided by glass partitions under the gutters, will have three benches in each house, and will be run at a temperature of 60° to 65°. For the heating plant a fireproof iron frame and concrete boiler house will be erected. There will be four 75 h. p. boilers for heating, the boilers of the ordinary tubular power type. There will also be one boiler for steam power. The boilers will burn a low grade of coal, and to enable this to be done a system of forced draft is to be installed. The heating will be by hot water, using 2-in. pipes for the radiating surface; the boilers will be set on the level and the water will be circulated through the houses with centrifugal pumps. The pumping plant will be in duplicate, so that in case of damage to one plant the other will be ready for operation.

This is probably the largest piece of construction work undertaken this season, and the contract is, probably, the largest greenhouse building contract which has been let out complete by any commercial florist in this country. The cost of the buildings and equipment will be about $70,000. The contract for the complete work has been awarded to the King Construction Co., North Tonawanda, N. Y.

New Bamboo Matting

A new matting for glass is used by German gardeners, which is said to be the best of its kind now on the market. It is made of shredded bamboo, woven with twice galvanized steel wire, with wire springs at one end, to prevent the wire from snapping on being rolled up. This makes the matting very durable. Its greatest advantage, however, lies in its being a complete protection against hail. The shredded bamboo is so springy that any hailstone will glance off, and houses using this matting can save the hail insurance premiums, not only for the glass but also for the plants under it. This covering is made by the firm of Karl Beisser, Stuttgart, Germany.—*Moeller's.*



NEW YORK, Sept. 7.—The heat and humidity of the last few days have caused nearly all flowers to arrive in a somewhat poor condition. The volume of blooms in the aggregate now arriving does not show any increase over last week, but the demand is less, and today the cut flower market is in such a condition that the buyer, to a large extent, names the price.

American Beauty Roses of all grades are more plentiful, and with a small demand there is a tendency to beat the price down. A few specials realize as much as 20c. each; Number threes are selling for as low as 50c. per 100. Of all other Roses there are too many for the limited demand and they are only moved at a great sacrifice in price; many of the lower grades of blooms are changing hands at from 25c. to 50c. per 100. A very few top grade blooms of Killarney, My Maryland and Kaiserin sell for 5c. each, and Bride, Bridesmaid and Richmond for 3c. each.

The supply of Carnations has not materially increased, but there is no particular demand for them with so many other flowers to take their place; $1 per 100 is the price for the best obtainable.

The Orchids are a little more abundant, but there is little, if any, increase in demand and the price remains at from 25c. to 60c. each. Lilies are not so abundant, but the demand, too, has fallen off, and there is a tendency to a lower price; 6c. each is now high water mark and many are going at 5c. each. Lily of the Valley is fairly abundant, but the sales are slow, and while a few choice blooms reach 3c. each, most of the sales are on a 2c. basis for good blooms. The supply of Gardenias is increasing slightly, but as yet no high grade blooms are received; the best obtainable sell for no more than $1.50 per dozen.

In regard to Asters, few, if any, are now arriving above medium quality, and altogether too many very poor ones. They go slowly, at the buyer's price usually. Few blooms realize more than $1 per 100, and to obtain double that price is very exceptional. The supply of Gladioli is not as large, and the quality has deteriorated; $1.25 per 100 is the top notch price for the best blooms. Some Golden Glow 'Mums of good quality are seen, but they sell slowly; the top price is $1.50 per dozen. A variety of Dahlias, some good blooms, are coming in, but they meet with little favor, selling very slowly at from 50c. to $1 per 100. As regards greens of all kinds, the situation is unchanged from that of last week.

PHILADELPHIA, Sept. 6.—The high temperature and humidity of yesterday and today causes a depreciation of quality of flowers of many kinds. Business shows no improvement over last week, in fact it is an open question whether it is as good.

American Beauty Roses are more plentiful and the quality at least holds its own. They are not moving very briskly, and the price remains about the same, namely 25c. each for specials in small sales, and 20c. each in larger sales, while culls and ordinaries are selling down to 2c. each. On all the other Roses, 6c. each is top notch price for the best grade of blooms, except Kaiserin and Golden Gate which reach the 8c. mark. Of course, few sales are effected at these prices, and the lowest grade of blooms bring no more than 1c. each. Of white Roses, Kaiserin shows the best quality and sells best; Bride arrives in the poorest condition, and finds the least demand, while Killarney takes a position in both respects between the two. In pink Roses, My Maryland still takes the lead, with Killarney a good second, and Bridesmaid distanced in the race. The supply of all is abundant enough to satisfy the very moderate demand.

The supply of Carnations does not appear to be increasing. Those arriving are mostly short-stemmed blooms, though a very few long stemmed flowers are noted, selling at 2c. each.

Orchids are somewhat more plentiful, and there is an increased demand. The prices are firm at 75c. each for the best Cattleyas. The Gardenia supply is increasing, but with no better demand the price remains unchanged, namely $1.50 per dozen for the best blooms. The supply of Lilies is short, the demand fair, and prices are increasing; blooms are selling for $1.80 per dozen for the best. There is a good supply of Lily of the Valley, but it is not moving very fast. Much stock is selling for $2 per 100, but some select flowers are bringing $3, and even $4 per 100.

Many Asters are arriving of a medium and very poor quality, only a few good blooms. The latter realize $1.50, and even $2 per 100, but the former are with difficulty sold at all. Gladioli are not so abundant, but the quality is so poor for the most part that the sale drags. Very few realize $2 per 100. Tritomas are not favorites; the supply is increasing, with $1 per 100 the basis of most sales, though a few are sold for $2 per 100.

Adiantum, Asparagus and Smilax are all abundant. They are, perhaps, moving just a little better, and as their quality is improving command a trifle better price.

CHICAGO, Sept. 9.—With the Fall season now open there is every indication of a prosperous business. Roses are coming in in fine shape, improving with every cut. American Beauty is much better, both in size and length of stem, and the foliage is excellent. Killarney in both colors is decidedly better, with Richmond and Perle as good as is possible for them to be at this season. While prices have not advanced in any class of Roses, they have held much higher all Summer than in preceding years, and are now considered good for this time of year.

Carnations are again coming, in a much improved state, which is most acceptable, as they have been greatly mixed. It will only be a few weeks now before many of the growers will be cutting from their indoor stock. The rainy, cool weather has done much to improve the quality of the outdoor blooms, and at present they are bringing $2 for the best.

Asters are not as abundant as heretofore, although some very good flowers, especially in whites, are obtainable. Gladioli are decreasing in quantity; some of the growers have finished cutting the crop, but there are still plenty to meet the demand. The mixed varieties seem to be the stickers, and it is stated that the growers will go more extensively into the popular kinds next season, embracing Francis King, America, Augusta, and one or two other fancy strains.

Chrysanthemums are not at all favorites, as people do not seem to cater to flowers out of their season; the best are selling at from $1.50 to $2.50 per dozen. Lilies are still plentiful and are meeting with a ready sale; the price has increased slightly. Lily of the Valley is coming in fine condition, and is beginning to be called for, selling at from $3 to $4 per 100. Very little miscellaneous stock is to be seen. Cattleyas are arriving in a little greater quantity and the price has soared to 50c. and 75c. each.

There is plenty of green stock to meet all demands.

INDIANAPOLIS, Sept. 6.—A quiet week prevailed with the florists and there was little business in any of the branches. Counter trade is becoming a little better as many of the vacations are at a close; funeral work, however, has not been up to the standard. There are a number of Autumn weddings already booked and the social season promises to be a busy one.

Carnations were planted earlier this season than in other years and most of the growers are already marketing the flowers at 50c. to $1 per 100; the retail trade for them is quite good at 35c. per doz. for the best.

The Aster season is prolonged because of the many rains; fine ones are being wholesaled at $1 to $2 per 100. Indoor Asters are also being offered at the same figure.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK

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GOOD EARLY 'MUMS
The Roses are improving and business picking up. All are ready for your orders or your shipment.
Growers not acquainted with our methods will find it to their advantage to do business with
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Phones 325-5582-5583 Madison Square NEW YORK

Please mention the Exchange when writing.

Harrisii Lilies are plentiful everywhere at $10 to $15 per 100. The store price is $3 to $4 per doz. A few L. auratum sell quickly at the same figure.

Home grown Roses are scarce at present. Most of the good stock is being shipped in. Killarney, Bridesmaid and Bride, also Richmond, wholesale at $3 to $7 per 100. Chicago Kaiserin Aug. Vic. are often ordered at $4 to $6 per 100. Newcastle Am. Beauty are in fine trim at $5 to $20 per 100, the last named retail at $1 to $5 per doz.

Field grown flowers, such as Clematis paniculata, Hydrangeas, Roses, False Dragon Head and other kinds are preferable for window decorating and are much used.

The green goods market is well supplied and it will be but a short time until a lively shipping will be done in this line.

BOSTON, September 6.—The condition of the cut flower market has changed very little from that of a week ago; the supply is just about the same, only slightly less in one or two instances. Both markets were fairly well cleaned up each day this week.

Roses are getting more plentiful and each week sees an improvement in them.

Carnations are still very scarce and the best that are in the market sell from 1c. to 2c. each.

Gladioli are getting much scarcer and the variety America, which is the favorite, brings $5 to $6 per 100; other varieties are cheaper and bring $3 to $4.

Peas are showing up a little better this week with the cool weather and the extra moisture but there are no really good ones in sight yet.

The supply of Asters is still large and the quality holds good; extremely large quantities have been sold this season. Prices are slightly lower and run from $1 to $2 per 100.

Orchids are still scarce and will be so for a week or two.

Gardenias are seen in small quantities but they go slow now.

Green stock of all kinds is plentiful and prices are moderately good.

R. C.

ST. LOUIS, Sept. 5.—Last week the weather became very hot again and the trade slackened up somewhat. Still, there was a great deal of funeral work going on among the retailers and this helped some as all other work was very dull; now we are turning into the Autumn season, the trade is looking forward to a visible increase.

The commission houses are handling lots of stock these days, with prices within the reach of everyone. Long American Beauty range in price to $4 per doz. for the best; other Roses, such as Killarney, Richmond, Bride and Cochet, run from $2 to $5 per 100. Carnations are still poor in quality and not overplentiful at from $1 to $2 per 100. Asters are very plentiful at from 50c. to $3 per 100, all colors. Tuberoses sell at $1 to $2 per 100; Gladioli, $4 per 100. There is a good demand for Asparagus, Smilax and other greens.

ST. PATRICK.

Providence, R. I.

Lawrence Hay, East Providence, R. I., is bringing in large quantities of well-grown Asters; he is busy, also, overseeing the work at Agawam Hunt Club.

F. Deetz, French st., is building a new house, concrete sides, 16x72 ft.; he reports business during the past month as having been very good, especially in floral design work.

N. D. Pierce, Norwood, R. I., nurseryman, is busy replanting stock.

Mr. and Mrs. Pierce have just returned from a visit to W. S. Pinos' cottage at Quononochatany, R. I.

The display of fancy baskets by Reed & Keller of New York at the Crown Hotel, in charge of their representative, Rupert E. Hall, was very fine.

Business is picking up a little in all lines. Timothy has advanced here to $4 for best grade of seed. Asters are very plentiful, and Roses are coming in of very good quality for this season of the year.

The condition of the market is somewhat better. The Deeper Waterways Convention, held here this week, has added some to the demand for cut flowers in the line of table decorations. Prices are: Roses, firsts, $6 to $8; seconds, $3 to $6; thirds, $1 to $3 per 100; Am. Beauty, $5 to $25 per 100; Asters, 25c. to $1 per 100; Sweet Peas, 10c. to 20c. per 100; Easter Lilies, $6 to $8 per 100; Centaureas, 25c. per 100; Lily of the Valley, $3 to $4 per 100; Cut Ferns, $1.25 per 1000; Asparagus, 25c. to 50c. bunch; Adiantum Ferns, $1 per 100.

H. C. N.

Publications Received

GAME LAWS FOR 1910.—A summary of the provisions relating to seasons, shipments, sale, limits and licenses. Issued by the U. S. Dept. of Agriculture at Washington, D. C., as Farmers' Bulletin No. 418

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
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Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Sept. 7, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	.50 to 1.00
Killarney	.25 to 5.00
White Killarney	.25 to 5.00
My Maryland	.75 to 5.00
Richmond	.50 to 3.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.25 to .50
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.10 to .15
Sprengeri, bunches	.10 to .15
Asters	.20 to 2.00
Bouvardia	.... to ....
Callas	.... to ....
Chrysanthemums, per doz.	.... to 1.50
Dahlias	.50 to 1.00
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .50
Standard Varieties White	.50 to 1.00
Standard Varieties Pinks	.50 to 1.00
Standard Varieties Red	.50 to 1.00
Standard Varieties Yel. & Var.	.50 to 1.00
*Fancy White	.... to ....
(* The highest grades of Sta'd varieties) Pinks	.... to ....
(* The highest grades of Sta'd varieties) Red	.... to ....
(* The highest grades of Sta'd varieties) Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.50
Gladioli	.50 to 1.25
Hydrangea	1.00 to 2.00
Lilies, Harrisii and Longi.	5.00 to 6.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.25
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.... to ....
Tritoma	.... to 1.00
Tulips	.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond,
Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square P. J. SMITH, 49 WEST 28th ST., NEW YORK

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54 West 28th Street, NEW YORK
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Consignments of Choice Cut Flowers Solicited.
Prompt Payments Give us a Trial

William P. Ford
Announces
That about the 15th to 20th of September, His New Store at
45 West 28th Street NEW YORK CITY
will be open for the transaction of business. Consignments of Cut Flowers are solicited from Growers. Courtesies to Old Time Friends and New Customers in the Retail Business are cordially extended.

New York

Sometime about the middle of September, a familiar figure will appear again on West 28th st., in the wholesale cut flower district, and without doubt will be welcomed there by many old growers, retailers and friends. William P. Ford, who for about fifteen years was a member of the well and favorably known firm of Ford Bros., from which he withdrew last Spring, after a rest of several months will embark again in the wholesale cut flower business at No. 45 West 28th st. The store at the above mentioned number has, during the last few months, received a very thorough overhauling, in fact has been almost rebuilt, and now is being refurnished and equipped for the conducting of a wholesale cut flower business. Mr. Ford will be glad to see in his new quarters old friends and new faces.

Samuel Lum, the Rose grower, of Chatham, N. J., was recently in town, returning from a trip to Parkersburg, W. Va., where he is largely interested in oil and natural gas.

E. A. Scribner, the Detroit florist, who with his wife has been spending a couple of weeks in our city on his way home from the Rochester convention, left for home a day or two since, returning via Albany, after an enjoyable vacation.

Alexander J. Guttman of 34 West 28th st., announces that he has decided to discontinue his wholesale cut flower business at the location named, because the Best Oil Co. has developed and grown to such an extent that it requires all of his time.

Henshaw & Feurich, 51 West 28th st., are now receiving some fine Golden Glow Chrysanthemums.

Max Schling has moved into his new store at 22 West 59th st., adjoining the Plaza Hotel. This is an uptodate, commodious and beautiful florist's store, 100 ft. deep, with a 25 ft. frontage. The color scheme in the furnishings is green and white. Marble is freely used, not only in the flower tables and counters, but whenever in the store its use is appropriate. Even the usually unsightly metal radiators are enclosed in marble. The back of the store is fitted up as a conservatory, which is well filled with a choice collection of plants such as Ferns, Palms, Dracænas, and several of the rarer kinds of plants. A convenient cellar under the front of the store adds much to its usefulness. The

ice-box with full glass front is well filled with choice blooms, among which is noted a variety of Orchids, even now when Orchids are so scarce. A full glass front with its green tiled floor gives an excellent opportunity for a window display and adds much to the attractiveness of the store.

The extended full glass store front at the store of J. W. Hauser, 571 Madison ave., is being elegantly finished in quartered Oak. Mr. Hauser left the city on Monday last for an extended Western tour. He will spend some time at Yellowstone Park, and other points in the Northwest, returning through the country north of the Great Lakes.

Myer, 611 Madison ave., attended the Orange Co. Fair at Middletown, N. Y., recently, and returned with a genuine attack of that most healthy of all diseases, the farming fever. The sight of well-bred horses, and Jersey cows, with their "soft eyes," prize pigs, and poultry, vegetables, and fruit, especially the Tomatoes, Melons, and luscious Peaches now in season, seems to introduce the farming bacteria into a man's system, and Mr. Myer, like many another good man, is an easy mark. —"God made the country and man made the city." Mr. Myer was one among the very few New York retailers who attended the S. A. F. convention.

Herman Kuhn, 896 Sixth ave., is passing his twenty-fourth year in business at the same store, and yet the store is by no means a "back number." A magnificent specimen of Phœnix Roebelenii stands in the background of the store windows, which are tastefully decorated with nice specimens of Ferns and other plants, among which are some potted Celosias of the feathered types. These are an improvement upon the Coxcombs which used to grow in "grandma's garden," but they are near enough like them so that they carry us back more years than we like to reckon. The store windows are edged with some perfect little plants of the rather uncommon Ficus lutescens, now in bloom. The conservatory in the rear of the store is well filled with Ferns and other plants.

The well-equipped and commodious store of E. J. Polykranas, 665 Columbus ave., is now undergoing its Summer renovation; nevertheless, the store entrance is made inviting by some well-grown Boxwoods, and the windows are made attractive with specimen plants of Ficus pandurata, Palms and dwarf Japanese Cedars. A florist's store window usually indicates whether he is keeping up with the procession or not.

G. W. Humphrey, manager of Thorley's "House of Flowers," 46th st. and Sixth ave., has returned from his vacation. Mr. and Mrs. Humphrey have been carriage driving, covering in their travels a wide range of places all the way from New York to Great Barrington, Mass., and back down to points on the Jersey coast. Samuel Gold, salesman at the "House of Flowers," is the happy father of a nine-pound girl baby, born Aug. 26.

Charles Droege, of the Rosary Flower Co., is taking a vacation at Asbury Park, N. J.

John V. Phillips, 272 Fulton st., Brooklyn, N. Y., reports an exceptionally good August business. W. A. Phillips, his manager, who also is secretary of the Greater New York Florists' Association, calls attention to the fact that the next directors' meeting of the Association, Sept. 15, will mark the close of the second year of its foundation.

James Mallon's Sons, which means John P. and Alfred F. Mallon, are still doing business at the Fulton st. store, where their father, James Henry Mallon, began business fifty-two years ago. Very extensive changes and improvements are now going on at their Smith st. store.

Robert G. Wilson's two stores at 3 to 5, and 341 Green ave., Brooklyn, have been put in order for the Fall trade, which all the florists are looking forward to. At 341 many improvements have been made, and a rustic effect given by the free use of a bark covering. It is a positive pleasure to merely go into such stores as these.

Appelgate's store at 15 Putnam ave., Brooklyn, is having a new ice-box installed, and is right in the midst of the Summer painting. Charles E. Appelgate is now at Brevoot Park, N. J., where he has a cottage, and will not return till Oct. 15. William Voot, who is in charge, says that the Appelgate store was the first florist's store in New York or Brooklyn to be painted white.

The annual Schwabian Volksfest, flower and garden festival, arranged by the Schwabischer Sangerbund of Brooklyn, opened in Gerken's New Coliseum Park, Ridgewood, L. I., on Saturday last, Sept. 3, continuing on the two following days, and is also to be held on Sept. 11.

PITTSBURGH CUT FLOWER COMPANY
WHOLESALE GROWERS
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HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Sept. 5, 1910	Pittsburgh Sept. 6, 1910	NAMES AND VARIETIES	Boston Sept. 6, 1910	Detroit Sept. 5, 1910	Cincinnati Sept. 3, 1910
..... to 25.00	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	15.00 to 25.00	20.00 to 25.00	..... to 10.00
15.00 to 18.00	12.50 to 15.00	" extra	10.00 to 15.00	16.00 to 20.00	..... to .....
10.00 to 12.50	6.00 to 10.00	" No. 1	3.00 to 8.00	10.00 to 16.00	..... to .....
4.00 to 6.00	..... to 4.00	" No. 2	..... to	4.00 to 8.00	..... to 2.00
4.00 to 6.00	2.00 to 8.00	Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
4.00 to 6.00	3.00 to 8.00	White Killarney	1.00 to 4.00	3.00 to 6.00	..... to .....
..... to	2.00 to 6.00	Bride and Bridesmaid	1.00 to 3.00	3.00 to 6.00	1.00 to 3.00
..... to	2.00 to 8.00	My Maryland	1.00 to 6.00	2.00 to 5.00	..... to .....
2.00 to 6.00	2.00 to 8.00	Richmond	1.00 to 4.00	3.00 to 6.00	..... to .....
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	1.00 to 8.00	3.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	**Adiantum**	.75 to 1.00	1.00 to 1.50	..... to .....
20.00 to 30.00	20.00 to 35.00	**Asparagus**, Plumosus, bunches	30.00 to 50.00	20.00 to 40.00	..... to .....
20.00 to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 30.00	20.00 to 40.00	..... to ...
.50 to 2.00	.50 to 1.50	**Aster**	.50 to 2.00	1.00 to 4.00	1.00 to 1.50
..... to	..... to	**Bouvardia**	..... to	..... to	..... to .....
..... to	..... to	**Calla**	..... to	..... to	..... to .....
..... to	..... to 1.00	**Carnations**—Inferior grades, all colors	..... to	..... to	..... to .....
..... to	1.50 to 2.00	Standard Varieties: White	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Pink	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Red	.75 to 1.50	.50 to 1.00	..... to .....
..... to	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to	..... to	*Fancy (*The highest grades of Standard vars.): White	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Pink	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Red	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy: Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to	..... to 1.00	**Daisies**	..... to	..... to	..... to .....
..... to .20	..... to .20	**Ferns**, hardy	..... to	..... to .10	..... to .....
..... to .20	..... to .12½	**Galax**, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	**Gardenias**, per doz.	..... to	..... to	..... to .....
2.00 to 3.00	2.00 to 4.00	**Gladiolus**	3.00 to 5.00	2.00 to 6.00	..... to .....
..... to 12.50	..... to 10.00	**Lilies**, Harrisii and Longi	5.00 to 8.00	12.50 to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	**Lily of the Valley**	2.00 to 3.00	3.00 to 4.00	..... to .....
..... to	..... to	**Mignonette**	..... to	..... to	..... to .....
..... to	..... to	**Orchids**—Cattleyas	..... to	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	**Pansies**, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	**Peonies**	..... to	..... to	..... to .....
..... to 1.50	1.25 to 1.50	**Smilax**, (per doz. strings)	..... to	..... to 1.50	..... to .....
..... to .25	..... to	**Sweet Peas**	..... to .10	..... to	..... to .....
..... to	..... to	**Tulips**	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

The fruit and vegetable column, always a prominent feature of the festival, was this year more than ordinarily handsome. The flower and foliage beds, planted by florists in competition for prizes, were most excellent. The leading prize, $50, was taken by John Baumann of Middle Village, L. I.; Herman Maenner of Maspeth, L. I., was also winner of prizes. John Dreir of Middle Village made an interesting exhibit of concrete vases, granite faced, and filled with foliage and flowering plants, the display exciting much comment from visiting florists; he also exhibited a layout representing in miniature a model farm. Aug. F. Schrader of Elmhurst, L. I., was president of the festival. Monday was what might be termed "florists' day," and some thirty or forty well-known florists were present with their ladies; indeed at times one could imagine that the N. Y. Florists' Club was having an outing. Fred Marquardt of Middle Village took advantage of the occasion to celebrate his birthday anniversary.

The International Floral Association of New York has been incorporated to do a general horticultural and floral business; capital, $50,000. Incorporators: Paul Armitage, James M. Betts, Agostino H. Montegriffo, Jr., all of 280 Broadway, New York City.

Boston

The month of Augnst has gone on record as being an exceptionally dry one; only a few showers falling during that period. This is true of around Boston but in some districts further out showers have fallen frequently.

Business has been quite good for the month and there has been much stock used up in one way or another. There has been a shortage in some crops owing to the dry weather, this is especially true of Sweet Peas which have been quite scarce and of poor quality. There is a slight improvement in crops as the weather is cooler now. There is a very large cut of Asters and, in fact, the supply is larger than the demand, but the quality is very good indeed; at the present time these flowers are most in demand and they fill the gap admirably before the Chrysanthemums come into the market.

Hanover Greenhouses, Hanover, Mass., have shipped this week an exceptionally fine lot of "Texas Heath," Physostegia Virginiana, to the Boston Flower Exchange. This flower is rather uncommon in the market here and it attracted much attention; the white variety makes a pleasing cut flower and has good keeping qualities. From the same establishment come cut sprays of Lemon Verbena and branches and leaves of sweet scented Pelargoniums and very good white Asters.

The W. W. Edgar Co. is shipping this week some very well grown pots of Asparagus plumosus, which are bought up quickly and at pleasing prices.

Two queries that are perplexing some of those who attended the convention at Rochester are: How did Elijah Wood, Tom Clark, E. A. Richards of Greenfield, and G. H. Sinclair of Holyoke get to Rochester? What did they stay off at Syracuse for?

Arthur Griffin is one of the new stall holders at the Boston Co-operative Market. He bought a new range of houses at Woburn a short time ago.

Penn on Bromfield st. had a fine display of "Red Hot Poker plant," Tritoma uvaria, Centaurea Americana and Gladiolus America in his window this week.

B. M. Robinson Co., wholesalers on Province st., report a very good August business. They have just received a large shipment of Southern Smilax which reached them in excellent condition. Charles Robinson is preparing for his southern trip which he expects to make in a week or two.

We are pleased to see that our friend, Maurice Fuld is well placed in Philadelphia; all his friends in the Hub wish him well in his new undertaking.

The Gardeners and Florists' Club will resume its monthly meetings on September 20 at Horticultural Hall; special attractions at this meeting will be announced later.

The long wished for rain has come at last and it is certainly delightful and much appreciated after the long continued drouth. It has been the driest August since 1883 in this section.

A. T. De La Mare of the Florists' Exchange and Robert Cameron spent Labor Day at the Harvard-Boston Aero Meet at Atlantic, Mass. They were especially pleased to see Grahame-White drop bouquets from his aeroplane to the ladies on the grandstand. The crowds attending this wonderful exhibition were beyond all expectation and the income must have been very large indeed.

A. Leuthy of Roslindale returned on Monday, Sept. 3, from his European trip. He visited while absent Belgium, Holland, France, Italy and several other countries. He bought 4000 Palms, principally of Kentia, Areca and Phœnix, and several thousands of Azaleas and many other plants, all of which will reach the Roslindale establishment in a few weeks.

The Boston Co-Operative Flower Exchange at 2 Park st. held its annual sale of stalls on Saturday, Sept. 3. The sale was a great success, much more so than the one of last year. One hundred and eight stalls were sold, so that now there are but a few left; the highest price paid for one stall was $125. The directors and stockholders are particularly well pleased with the sale and expect in the near future to be able to pay a dividend.

George Detlefsen, foreman for Fred Becker of Cambridge, has returned from his trip to Germany, his native country. It is twenty-nine years since he left the land of his birth and he was much pleased and surprised to see so many changes and improvements in horticultural matters. He found immense quantities of Phœnix reclinata being grown for house plants, while Arecas and Kentias are only raised in limited numbers. Ivy Geraniums are grown in quantities for window boxes. He liked very much the pot grown Azaleas in the nurseries, and thinks these much better plants than those grown by the Belgians planted out in the fields. His daughter, who graduated from Radcliffe College last Summer, has accepted a position in a high school; his oldest son is at Harvard studying for a Ph. D.

Mr. Ralph Wright Curtis, assistant superintendent of the Arnold Arboretum, was married at Franklin Park on the evening of September 3, to Miss Allie Myrtle Pettigrew, daughter of the much respected and honored superintendent of Franklin Park, Jamaica Plain.

Superior Wire Work
Send for catalogue.
All Cut Flowers in Season
E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. - CINCINNATI, OHIO.
Please mention the Exchange when writing.

DAHLIAS

All the best varieties for cut flower purposes. Let us book your regular order, which will be made direct by the grower from the farm. $1.50 to $3.00 per 100.

ASTERS

Were we not confident of the superior quality of our Asters, we would not say they are equal to other stock selling at more money. $1.00 to $2.00 per 100.

You can always find good BRONZE GALAX with us. $7.50 per case.

Field-Grown Carnation Plants

	100	1000
PINK		
R. P. Enchantress	$7.00	$60.00
Enchantress	7.00	60.00
Winsor	7.00	60.00
Winona	7.00	
Lawson	7.00	60.00
Afterglow	7.00	60.00
Aristocrat	7.00	60.00
WHITE		
Perfection	7.00	
Boston Market	6.00	50.00
Queen	6.00	50.00
S. A. Hill	7.00	60.00
RED		
Victory	7.00	60.00
Beacon	7.00	60.00

Clean, healthy plants. We guarantee satisfaction.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Sept. 5, 1910	Buffalo Sept. 7, 1910	NAMES AND VARIETIES	Phil'delphia Sept. 6, 1910	St. Louis Sept. 5, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 25.00	15.00 to 20.00
..... to	12.00 to 15.00	" extra	12.00 to 15.00	8.00 to 10.00
10.00 to 15.00	7.00 to 10.00	" No. 1	8.00 to 10.00	5.00 to 6.00
6.00 to 8.00	..... to	" No. 2	2.00 to 6.00	2.00 to 3.00
2.00 to 4.00	2.00 to 6.00	Killarney	1.00 to 6.00	..... to .....
2.00 to 4.00	2.00 to 6.00	White Killarney	1.00 to 6.00	..... to .....
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
2.00 to 5.00	2.00 to 6.00	My Maryland	1.00 to 6.00	3.00 to 4.00
..... to	2.00 to 6.00	Richmond	1.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	2.00 to 6.00	..... to .....
2.00 to 3.00	..... to	Golden Gate	1.00 to 8.00	..... to .....
2.00 to 4.00	4.00 to 6.00	K. A. Victoria	2.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	.75 to 1.00	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
.50 to 3.00	.40 to 2.00	Aster	.50 to 2.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to .75	.75 to	Carnations—Inferior grades, all colors	..... to .50	1.00 to 1.50
1.00 to 1.50	..... to	Standard Varieties: White	1.00 to 2.00	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Pink	1.00 to 2.00	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Red	..... to	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Yellow and var.	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Sta'd vars.): White	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Sta'd vars.): Pink	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Sta'd vars.): Red	..... to	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	..... to	..... to .....
..... to	.50 to 1.00	Daisies	..... to	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz.	.50 to 1.50	..... to .....
3.00 to 4.00	2.00 to 4.00	Gladiolus	1.00 to 2.00	..... to .....
10.00 to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	12.50 to 15.00	8.00 to 10.00
3.00 to 4.00	..... to	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to .....
..... to	40.00 to 50.00	Orchids—Cattleyas	60.00 to 75.00	..... to .....
..... to	12.00 to 15.00	Cypripediums	..... to 50.00	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to 1.25
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15 00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35 00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

The Mass. Hort. Society held a fruit and flower show Wednesday, Aug. 31. The principal attraction was a collection of Melons from James Garthly of Fairhaven. For the Melon named Mrs. H. H. Rogers, Mr. Garthly received a first class certificate of merit and he also received the Society's silver medal for his collection of Melons.

Martin Sullivan made a grand display of outdoor flowers, principally perennials and annuals. Wm. Thatcher of Brookline also made a large display of perennials and other garden flowers. Mrs. E. M. Gill, as usual, had a very nice display and filled a large table which was very tastefully arranged. B. Hammond Tracy of Wenham, made a grand display of Gladioli which were greatly admired.

R. C.

FIELD-GROWN CARNATION PLANTS

WE offer the following, which are strong, healthy plants, the product of the most successful Eastern Growers, stock that has been carefully selected and grown:

Sangamo, $12.00 per 100, $100.00 per 1000.

Winona, $7.00 per 100, $60.00 per 1000.

Winsor, $7.00 per 100, $60.00 per 1000.

Wanoka, $6.00 per 100, $50.00 per 1000.

May Day, $8.00 per 100, $75.00 per 1000.

Enchantress, $7.00 per 100, $60.00 per 1000.

White Perfection, $7.00 per 100, $60.00 per 1000.

Mrs. J. C. Vaughan, $6.00 per 100, $50.00 per 1000.

Bay State, $6.00 per 100, $50.00 per 1000.

O. P. Bassett, $7.00 per 100, $60.00 per 1000.

Dorothy Gordon. $15.00 per 100.

Carnegie, $6.00 per 100.

Splendor, $7.00 per 100, $60.00 per 1000.

Apple Blossom, $7.00 per 100, $60.00 per 1000.

Lawson, $6.00 per 100, $50.00 per 1000.



CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St. 1212 New York Ave.

Philadelphia, Pa. Washington, D. C.

Stores close at 6 p. m.

Please mention the Exchange when writing.

Philadelphia

Harvey Sheaf, manager for Mrs. E. A. Williams, Pittsburgh, Pa., and Sidney Hoffman of Boston, Mass., were recent callers on the Robert Craig Co. Robert Craig, Jr., spent Tuesday at Atlantic City, N. J., with his family, celebrating his birthday. W. P. Craig has returned from a very successful business trip among several of the larger cities.

A fire at the greenhouses of John Curwen of Berwyn, Pa., last week, Wednesday, destroyed the boiler house, cracking some new sections of boiler which had not been installed and burning out slightly the ends of the greenhouses. The cause of the fire is unknown. It is reported that the property was uninsured.

Jack Crawford, who suffered a paralytic stroke on July 4, is slowly recovering, and expects soon to be on duty again at Berger Bros.

John Berger of Berger Bros. is enjoying a week's fishing trip.

Mr. Jones of the Jones-Russell Co. of Cleveland, O., was recently a caller on the Leo Niessen Co. Arthur Niessen, after a trip among the growers, reports that from present indications Carnations will be from two to three weeks later this year than last. On account of a shortage of Carnation plants not a few growers are filling out their houses with Sweet Peas and Mignonette. Some stem rot is appearing among the Carnation plants still in the field. The Leo Niessen Co. is now receiving some small shipments of Mrs. C. W. Ward and Alma Ward Carnation blooms of good quality.

Edward Reid is receiving some fine American Beauty and My Maryland Roses and Lily of the Valley of choice quality. The Asters, too, which he is receiving now are exceptionally good.

Henry Ostertag of St. Louis, Mo., Mr. Fleischman, of the Fleischman Floral Co., N. Y., and Mr. Warendorff of the Ansonia Hotel, N. Y., were recently callers on H. Bayersdorfer & Co. This company received 1000 cases of florists' supplies from Europe last week and still more are to follow.

David Rust has sufficiently recovered from the sprain of his ankle he has been suffering from for some weeks as to be again on duty at his office at Horticultural Hall. The August meeting of the Florists' Club was the first one from which Mr. Rust had been absent since 1893.

Alvah Jones, of the Pennock-Meehan Co., has returned from a month's trip among the northern cities. He visited Buffalo, Niagara Falls, Toronto, Montreal and Quebec, and also took a side trip of 900 miles up the Saguenay River. He also visited Halifax, and Moncton, where the tide rises 38 feet in two hours, Digby and Yarmouth, returning to Philadelphia by the way of Boston. Mr. Jones found an overcoat not uncomfortable much of the time in the north and finds the present temperature in Philadelphia in sharp contrast to the delightful coolness of those northern points.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

The Morgenthaler greenhouses at East Washington Lane, Germantown, are offered for sale or rent by Howard B. Wilson & Co., 2122 Germantown ave. This establishment consists of seventeen greenhouses, a large modern residence, stables, carriage house, etc., located on three acres of land. The situation is within a few hundred yards of the Washington Lane station, P. & R. railroad. The range is well located for anyone desiring to grow for the Philadelphia market.

Chicago

Monday being Labor Day, the majority of the wholesalers closed their stores at noon, to give their employees an opportunity to enjoy half the holiday. The retail florists also divided the day between their forces, half working in the morning and half in the afternoon. The seed houses around town likewise indulged in the holiday.

Otto Goerisch and Eric Johnson spent last Sunday at Milwaukee, visiting the Holton & Hunkel Co., The Imperial Flower Store and several other establishments. Business in Milwaukee is beginning to brighten up after the Summer season.

Miss L. Tonner, of the A. L. Randall Co.'s supply department, arrived from the East last Saturday, where she has been spending the time since the S. A. F. convention.

Mr. and Mrs. H. H. Kuhlman of Houston, Tex., visited in Chicago over Sunday on their return trip from Rochester N. Y. They are now journeying home.

E. E. Stewart, of Rives Junction, Mich., an extensive Gladioli grower, was visiting among the wholesalers on Monday.

S. A. Swan, of Mangel's, is enjoying an extended vacation in Roan Mountain, Tenn., from which place he shipped to the store some fine quality Mountain Laurel, which was greatly admired in the decoration of the exterior of the store on Monday.

A dinner decoration at the Blackstone Hotel, last week, by Mangel, of scarlet Gladioli and Asparagus, was pronounced very effective.

Mr. Bohannon and family who, with W. E. Lynch and family, have spent several weeks fishing at Corey Lake, Mich., have returned to their respective homes, both men greatly pleased with their successful results in the fishing line.

There seems to be an unusually long list of weddings scheduled for September, which should tend to make business look up somewhat for all concerned in handling stock. The Bohannon Floral Co. has a very elaborate wedding in Evanston for September 10.

Two very attractive signs, green and gold lettering on glass, are now attracting the attention of the passerby at Strail & Hahn's store on Jackson blvd.

Fleischman's windows were very noticeable last Saturday, with artistically arranged vases of Lilium auratum and various varieties of Ferns.

Unusually smart were the windows of Smyth's Michigan ave. store last week, the decorations consisting of vases and baskets of Golden Rod and Ferns, with yellow ribbon bows.

With Harry Rowe business is beginning to show signs of increase, although he has no complaint to offer regarding business for the Summer months.

The members of the Chicago Florists' Club's bowling team held a meeting on Tuesday night, at J. B. Deamud Co.'s store, to arrange for the teams and alleys for bowling the coming season.

John Zech, who was reported disabled last week, is again at his store, although as yet not fully recovered from his injuries.

W. A. Bitler of Kokomo Ind., who makes bedding plants his specialty, visited around town several days; he says he has had a most successful business in this line the past season.

The indoor planting with all the growers is about completed. Hoerber Brothers, Des Plaines, Ill., finished theirs last week; the new 200 h.p. boiler they have been installing is complete and everything is in ship-shape order to proceed with their coming Fall business.

Chas. McKellar says a letter from Frank Ayers in Canada states he is having a great time, plenty of fishing and game of every description, deer quite plentiful although none can be killed, except just what the party can consume.

Wietor Brothers have also completed their indoor planting. Roses are improving with every cut, and at this house are to be found some remarkably fine American Beauty, and pink and white Killarney.

Tim Matchen, of Peter Reinberg's, says they expect shortly to be receiving Carnations from their houses. The Rose crop is coming on in fine shape, the cut at present being exceptionally good.

Winterson's Seed Store are distributing their retail catalog; their wholesale list will be completed this week. Three carloads of Dutch bulbs and one of French bulbs arrived last week, and the bulbs are pronounced exceedingly good stock.

L. H. Winterson has returned from his vacation. E. F. Winterson left on Tuesday for a few weeks' holiday.

Lloyd Vaughan, of Vaughan & Sperry, is in Indianapolis, Ind., on a business trip.

E. B. Washburn made quite a score at the links of the Hinsdale Golf Club on Labor Day, qualifying only second for the Club championship, and winning the first prize for low net score for the day, notching 86-16-68.

Frank Oechslin is building a 30x100 ft. addition to his packing shed.

The Chicago Florists' Club held its regular meeting on Thursday evening, Sept. 1. There was no business of importance brought up, but a large addition to the membership was made. During the absence of Secretary L. H. Winterson, T. E. Waters acted as secretary. The new members were: Fred Smith, 2509 Kenilworth ave.; Jos. Einweck, 3356 Potomac ave.; Jack Byers, 48 Wabash ave.; J. Foerster, 51 Wabash ave.; W. P. Kyle, 51 Wabash ave.; J. W. Fink; Henry Dumke; Henry Nicholson; A. C. Rott; Emil Middendorf; Wm. Kellsner; and Arthur Christianson of Joliet, Ill.

Miss Florence Moore has purchased the business of Miss Clara Russ, 1377 E. 55th st., and will establish herself at said place.

Miss Lilian Bloom, formerly of Bassett & Washburn's staff, was married on Wednesday, September 7, to Wm. Feniger of Toledo, O. The wedding was a quiet one and took place at the bride's residence, 814 W. 33d st. Mr. and Mrs. Feniger will reside in Toledo.

Mr. and Mrs. O. P. Bassett arrived in Chicago from their trip abroad last Thursday night. They will spend some time here, visiting among their relatives.

Visitors: J. J. Karios, with Dreer's, Philadelphia; C. L. Brunson, Paducah, Ky.; G. E. Serviss, Batavia, Ill.; Carl Hirsch, Hillsdale, Mich.; Mr. and Mrs. Dettman, Milwaukee, Wis.; Frank Friedley, Cleveland, O.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Sept. 6, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.50
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	6.00
White Killarney	.... to	6.00
Richmond	4.00 to	6.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	2.00
*Fancy: Pink	.... to	2.00
*Fancy: Red	.... to	2.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.50
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	.75 to	4.00
Gladioli	3.00 to	6.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Indianapolis

Mr. and Mrs. Herman Junge and daughter, Mr. and Mrs. John Bertermann and Walter Bertermann, have returned from Lake Wawasee; they report a fine auto trip.

Alfred Brandt reports a good business; his auto is of much help to him.

Nearly all the stores closed at noon on Labor Day in the face of much promising business.

Baur & Smith have an unusually nice lot of Poinsettias coming on this season.

Field grown Carnation plants are selling nicely this year and there will be but few left when the houses are filled.

Tomlinson Hall Market reports a quiet week with but few growers attending.

A. Wiegand & Sons lost a large batch of Lily of the Valley because the cold storage firm did not keep them in the temperature directed. There should be some recourse for damages in cases of this character.

A. Lange, the florist, in S. Mer. st., has brought suit for $500 because a neighbor's cattle wrought havoc with his Carnation field.

Alvin Schreiber of Bertermann's has returned from Cincinnati, O.

Lloyd Vaughan of Chicago was a recent visitor.

St. Louis

H. G. Evans of the Idle Hour Greenhouses was in the city last week and while here accepted a position with J. F. Ammann to manage his Alton (Ill.) retail store, Mrs. Dietschy, the former manager, having retired.

All members of the Bulletin Committee were present at a meeting held at Smith's commission house on Friday last.

William Craig, who represents the Robt. Craig Co. of Philadelphia, spent a few days here last week in the interest of his firm and says he had a successful trip.

The following suburban florists were in town last week: E. W. Guy and Henry Emmans, Belleville; Fred Ammann, Edwardsville; John Connon, Webster Grove; C. E. DeWever, Clayton, Mo.; W. J. Pilcher, Kirkwood, Mo. All are ready for the Fall and Winter season to open.

Fred C. Weber, Jr. and his bride returned home from their honeymoon trip last week. The happy couple were met at the depot and congratulated by their many friends in the trade.

The directors of the Shaw Garden entertained a few distinguished visitors last week. They were Doctor Ki-ichi Miyake and M. Tonitye, botanists of the Imperial University, Tokio, Japan, who were delighted with all they saw at the Garden.

According to L. J. Jensen, secretary of The Engelmann Botanical Club, the meetings will be resumed this month. Mr. Jensen is head gardener for Adolphus Busch, and the houses under his care are always in fine shape.

C. Young & Sons Co., and the St. Louis Seed Co., have issued their Fall catalogs, which are handsome in appearance.

The ladies' society, known as The Lady Florists' Home Circle, will hold a meeting and outing at Romona Park, Sept. 8. This conflicts with the Florists' Club, which holds its meeting the same day in company with the ladies thereof at Weber's Nursery in Nursery, Mo. Still, both meetings should be well attended.

Henry Ostertag has had a great run on plants this Summer for decorating; the 100 large Bay trees used at a recent decoration in the big Coliseum have all been sold.

The second Sunday opening of the year at Shaw's Garden, which took place Sept. 4, proved a bad one as it rained hard all day; still, some 2500 persons attended in spite of the bad weather.

ST. PATRICK.



We Take the Lead

IN WHAT?

WHAT FOOLISH TALK

In Araucaria Excelsa, of Course!!

Don't you know? This is our specialty. We are the largest Importers, Growers and Shippers of this beautiful evergreen decorative plant. This year, 1910, is our 25th anniversary. Twenty-five years ago we began with an importation of 100 plants; our importation this Spring has now swollen up to the enormous quantity of 10,000. More are coming in this Fall after my trip to Belgium. On next trip I shall select personally my stock of Azaleas, Palms, etc.

Empty Houses Won't Pay

Do you want to make money? If so, be industrious. Remember, the wide-awake man is successful—the one who is not afraid to invest a dollar in the RIGHT THING. Keep your eyes open and watch our low prices of Araucarias, Palms, etc. Araucarias, if you lay a stock in now, will grow into money for you while you sleep.

We Employ No Traveling Agent

We therefore charge less for our goods by giving you the benefit. The mail is Our Drummer.

ARAUCARIA Excelsa, raised from top cuttings only (no seedlings), 5-5½-6-7 in. pots, 2-3-4-5 year old, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 35c.-50c.-60c.-75c.-$1.00-$1.25 to $1.50.

Robusta Compacta and Excelsa Glauca, 6-in. pots, $1.00 to $1.25.

KENTIA Forsteriana, in fine shape, 4-5-6 year old, 4-6-7 in. pots, 25-30-35-40-45 in. high. 35c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

KENTIA Belmoreana, 4-5-6 year old, 4-5½-6-7 in. pots, 25-30-35-40 in. high, 25c.-50c.-75c.-$1.00-$1.25-$1.50-$2.00 to $2.50 each.

SAGO PALMS (Cycas Revoluta), long-leaved variety, 5-7-8 in. pots, from 5 to 20 leaves to a plant, 10c. per leaf.

COCOS Weddelliana, 3 in. pots, 15c., 20c., and 25c. each.

FERNS for Dishes, good assortment, 2-in. pots, $3.00 per 100.

STANDARD BAY TREES, 1 ft. tub, 7 ft. high from bottom up, 2 ft. crowns, $8.00 per pair.

NEPHROLEPIS Boston, Whitmani, Scottii, 4 in., 20c. to 25c.; Scholzeli, 5½ to 6-in. pots, 35c.-40c.-50c.; Scottii and Whitmani, 5½ to 6 in., 35c.-40c.-50c.

BEGONIA Gloire de Lorraine, deep pink, 25c.; **Lonsdale, pale pink**, 4-in., 25c. Our well known strain, **SOLANUM MULTIFLORA (Jerusalem Cherries)** always full of large berries, 2½-in. pots, $5.00 per 100.

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GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine**, R. C., $1.60 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 6-in., 25c. each.

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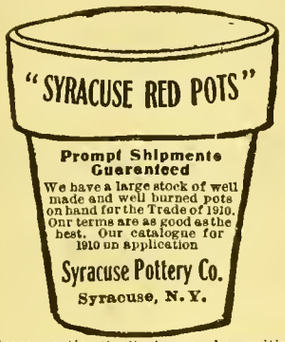

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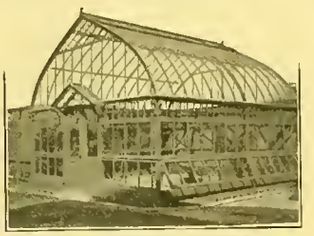

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1500 2½	"	"	5.25	320 5	"	"	4 51
1500 2½	"	"	6 00	210 5½	"	"	3.78
1000 3	"	"	5 00	144 6	"	"	3 16
800 3½	"	"	5.80	120 7	"	"	4.20
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48 9 in. pots in crate			$3.60
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Cincinnati

Business during the past week has not been rushing, but it was better than for the corresponding period of last year. The month has been unusually good, and the balance is on the right side of the books.

The floats in the industrial parade of Aug. 29 were very pretty; those decorated by Geo. E. Tromey were especially fine. The automobile floral parade on Sept. 14 will undoubtedly be a very handsome affair, and while artificial flowers will be used principally a great many natural flowers will be used. H. B. McCullough of the J. M. McCullough Sons Co. will be in the parade, and will have his auto decorated with natural flowers. Doc Sunderbruch will have charge of this decoration, or more especially of the decoration of this particular machine.

C. E. Critchell, Wm. Murphy, Max Rudolph and Gus Adrian are all at the Sneaux Islands, near Mackinac, where some of them are fighting off hay fever; this is particularly the case with Wm. Murphy, who is obliged to stay in that country until frost. Wm. Gear left on Sept. 1 to join the party.

Those who attended the last convention bring nothing but good reports from Rochester. I am very glad that the amendments were laid upon the table, and I hope they will stay. Much has been said as to the advisability of bringing the other societies into the fold, but in my opinion the only way that they can accomplish this is to allow the S. A. F. and O. H. to issue their premium lists, and to hold their conventions under the auspices of the mother society; in this way the same secretary would answer for all the societies, with a different president for each section; then let the S. A. F. contribute to the premium lists. In this way you probably could get all the societies to come into the fold; but the Carnation Society has such a strong foothold, and has made such a booming success at its meetings, that I have my doubts whether it would consent to come into the national society.

Miss Carrie Hoffmeister, of the Hoffmeister Floral Co., is making an extended tour of the West, visiting Yellowstone Park, Seattle, California, and other points of interest.

Harry Papworth of New Orleans passed through here on Aug. 27, on his way home, from the convention. He complimented the Heller Bros. on their fine American Beauty Roses, pronouncing them the best he had seen on his travels. This is taken as quite a compliment, for Harry knows a good flower when he sees it. He is also boosting New Orleans for the exposition celebrating the opening of the great Panama Canal; there is no doubt about New Orleans being the proper place to hold this celebration. Once more I want to call your attention to the Ohio Valley Exposition, which is going on here at the present time; it is all and more than what has been said about it, and if you are anywhere within a hundred miles of Cincinnati, you should not fail to drop in and see it.

C. J. Jones has returned from northern Michigan, as also has Max Rudolph.

E. G. GILLETT.

All the Clay

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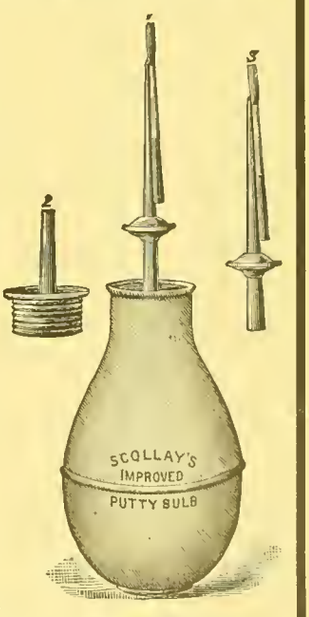

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CAMBRIDGE, MASS. Established 1765.

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THE TROUBLE MAN IS GOING TO TALK

WHEN our Ad. man blew into the factory office one hot afternoon the first of July, and without hardly as much as a "howdy," said, "Say, can't you get Mac to talk?" (Mac is our Trouble Man's nickname.)

"Talk about what?" said I. "About his troubles, of course," replied the Ad. man. "Let him tell the boys in the pages of a florist paper, the heating troubles he is up against and how he solves them. Let him talk to them just like he does when he hitches one leg up on the workroom bench and tells the boss all he knows about heating, while he blows smoke through his nose, and sometimes a little in the boss' ear."

"Then publish those talks (with the brogue left out)—they will make interesting reading and there is no telling but Mac may every once in a while say some things that are so."

But Mac didn't take kindly to the idea for he is a modest man, as all men are who really know things.

The Ad. man then acted very disagreeably and I threatened to reduce Mac's salary; as a result, the Trouble Man finally consented to tell you his troubles in *six Trouble Talks,* which are to appear weekly in The Exchange. Watch out for them and occasionally read one (to encourage Mac).

When writing about your heating troubles address your letter to

THE TROUBLE MAN
HITCHINGS & CO.,
ELIZABETH, N. J.

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Horticultural and Heating Engineer
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260-274 Culver Ave., JERSEY CITY, N. J.

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Louisville, Ky.

Local business has shown considerable improvement during the past two weeks, and the members of the trade are beginning to entertain high hopes with regard to Fall trade.

The horticultural exhibit at the Kentucky State Fair, September 12-17, is now occupying a big portion of the thoughts of Louisville florists. A building, suitable for flower displays, has been provided by the State Fair management, and it is the purpose of the floral fraternity to put forth their best efforts toward making Kentucky's floral display one of the handsomest of any State fair in the country. The florists have subscribed about $50 which will be expended in purchasing a very handsome silver loving cup, as a trophy for the florist who produces the handsomest display in the horticultural pavilion at the Fair.

S. E. Thompson is to occupy one of the handsomest stores on the ground floor of the Walnut st. Theater Building, and will open a modern and attractive florist shop on or about Oct. 1. The new Walnut Street Theater is located in the heart of the business district, just behind Seelbach's Hotel, a leading hostelry of the South, and only a square removed from each of Louisville's premier play-houses. Miss Thompson is well known in the ranks of local florists, being the sister-in-law of Mrs. C. B. Thompson, the well-known Fourth ave. florist.

The opening of the W. B. Trumbo furniture establishment at their new quarters on the corner of Fourth ave. and Walnut st. furnished a good deal of floral work, August Baumer furnishing several handsome designs and baskets of flowers for the opening.

Henry Nanz, of the well-known Fourth ave. firm of Nanz & Neuner, has issued announcement cards, apprising the public of the fact that the Nanz & Neuner establishment will remove to 663 South Fourth ave. sometime between Oct. 1 and 10.

Jacob Schulz and H. Kleinstarink have returned from attending the Rochester convention, and the homecomers are enthusiastic over the success of the meeting and the good time enjoyed by all participants.

Nanz & Neuner have issued their 1910 Fall Catalog of Bulbs, which contains handsome illustrations, prices, etc., on every variety of bulbous plant in use among Kentucky horticulturists.

Mrs. C. B. Thompson, the well-known Fourth ave. florist, has returned from an extended fishing trip along the Ohio River. However, Mrs. Thompson managed to contract a severe case of malaria during her piscatorial pursuits and is now confined to her home. It is thought that she will be able to be about in the near future.

J. W. Thompson, a brother-in-law of Mrs. C. B. Thompson, was in Louisville recently, inspecting the park floral system of this city. Mr. Thompson is the superintendent of parks in Seattle, Wash., and is making an extensive tour of large American cities.

Fred Haupt, a prominent Jefferson st. florist, has been elected president of the United Auto Co. in this city. Mr. Haupt is an enthusiastic motorist.

Mrs. M. D. Reimers says that an excellent funeral business has been done at her establishment during the past fortnight. Among the largest funeral orders that were received were several designs and baskets for the funeral of Samuel Ledman, the oldest established jeweler in Louisville, who died recently, and Louis Barret, a popular young man of this city, who was killed in an automobile accident.

G. D. C.

Estimates Cheerfully Furnished

S. JACOBS & SONS

Get Our Prices and Catalogue

1365-1379 Flushing Ave. ESTABLISHED 1871 BROOKLYN, N. Y.

Clear Gulf Cypress GREENHOUSE MATERIAL
Cut and Spliced Ready for Erection

Pecky Cypress for Benches
We carry 1,500,000 ft. of Louisiana Cypress in Stock



GREENHOUSE GLASS
20,000 Bxs. in Stock — At Wholesale

LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of
HOT-BED SASH
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OUR NEW
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Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS
JOHN A. SCOLLAY
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U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

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THE KROESCHELL BOILER

IS THE ONLY PERFECT
Hot Water Boiler

No. 1 for Small Greenhouses.
No. 15 for a range of 50,000 sq. ft. glass heated to 60 at 15 below zero.
Prices and Catalogue on application.

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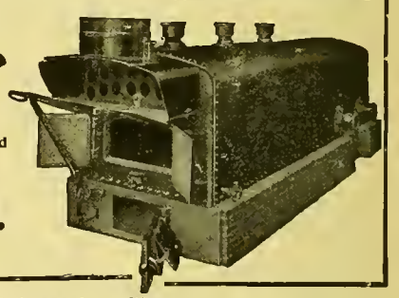
468 Erie Street, CHICAGO



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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars — **DILLER, CASKEY & KEEN.** — Successors to JENNINGS BROS.
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Write today for new circular
TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
TILE SIDES
Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity
THE CAMP CONDUIT CO.
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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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FULL SIZE No 2

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FOR GOOD SERVICEABLE
SECOND-HAND PIPE
with couplings guaranteed to be better than you can get elsewhere:
Our prices are for pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.
ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutmen St.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Los Angeles, Cal.

Arthur Letts, one of the successful department store merchants of this city, is erecting at his Hollywood home a conservatory 126x186 ft., with a dome 57 ft. high, wooden frame, on concrete foundations. The erroneous idea that has prevailed in this part of the State to the effect that tropical plants may be successfully grown in the open the entire year is giving way to the more sensible one, that heat is necessary at all times to meet the requirements of that class of plants, and that glass houses without artificial heat during the Winter are not as good for carrying over tender vegetation as are lath houses. Then, again, there is a multitude of plants which will endure our frosts, but which perish in the dry atmospbere when grown in the open.

A remarkable sight in what few greenhouses are here is that of a miscellaneous assortment of plants which do quite as well outdoors. Whether it is the fault of the gardeners in charge, or their employers, I have not yet been able to learn. Geraniums, Sansevierias, Narcissus, Fuchsias, Agathea coelestis, all of which do better in the open than under glass, are only a few of the many thus seen.

A great improvement in the appearance of the Pioneer Nursery at Monrovia is the result since it has passed into new hands. This is the place where the greenhouse has a cement floor, and the idea was a good one; no mud to wade through when the watering is done, no place for snails and sow bugs to secrete themselves. It is flooded and kept clean and tidy, the water being carried away in a sewer to irrigate plants growing in the open. This is the only nursery in this end of the State which grows a complete line of deciduous ornamental stock. Elm, upright and weeping, Cercis Canadensis, and all such things as have proven themselves adapted to this climate. Very remarkable is the fact that Cercis Canadensis does quite as well here as in the East. The finest specimen I have ever seen is growing at Bakersfield; to be sure it receives an abundance of water during the Summer; it is a glorious sight about March.

This firm will introduce, the coming season, a new Plum which originated with Burbank several years ago. It is a "blood Plum," egg shaped and very prolific, and while better in quality than any of its class it is not the equal of Wickson. They chose the name Duarte for this new candidate for public favor. For this Coast, where the European varieties are of no practical value, the Japan Plums are excellent, except Simoni, which has a bitter, harsh flavor; beautiful in appearance, it is unfit to eat fresh from the tree. Varieties of better quality are superseding it and ere long it will be but a memory.

Mr. J. S. Donglass and wife, superintendent of the great San Emigdeo ranch of Kern Co., was in this end of the State the latter half of August. He says he saw no Orange groves in all Southern California equal to his in appearance. He also reported that a scourge of worms had completely defoliated every shrub on the range between 4000 and 6000 feet elevation; this visitation of insect pests was new to him. P. D. BARNHART.

F. E. — Alive and Up-to-Date



CROSS SECTION OF A SUNLIGHT DOUBLE GLASS SASH ON A SUNLIGHT FRAME

Here is the sash you don't have to cover

Two layers of glass instead of one. A ⅝ inch layer of dry, still air between—a perfect non-conductor—a transparent blanket—takes the place of mats and boards.

The saving in time and labor

Sunlight Double Glass Sash will pay for themselves in a single season. They never need covering—and therefore save half the time you have to give to single glass sash in covering and uncovering—in watching them on frosty nights.

Earlier, Stockier Plants

Under Sunlight Double Glass Sash the **plants get all the light all the time.** Every grower will see at once the value of the earlier, stockier plants resulting. Your crops will mature weeks ahead of the grower's who uses single glass sash—and *you will get the benefit of the high prices in the early market.*

Here is what one florist says: "The 100 sash which I bought of you have given greatest possible satisfaction. We got to 4 degress above zero and I found my flowers untouched. Moreover, I am daily making 25 per cent. more than others who have greenhouses. My double glass sash will pay for themselves the first year." O. W. D'Alcorn, Congress Heights, D. C.

Agents wanted: A liberal commission to responsible agents where we have no agents now. Write us for details.

Get our free catalog today—It contains the details of this new invention for hot-beds and cold-frames, and testimonials from well known growers all over the U. S. who have used Sunlight Double Glass Sash successfully under all weather conditions. Use the coupon at once and get this interesting book free.

Send 4 cents in stamps for a valuable booklet on hot-bed and cold-frame gardening by Prof. W. F. Massey. There is no higher authority in the country. If booklet is wanted mark a cross (X) on square in coupon and enclose 4 cents in stamps.

Sunlight Double Glass Sash Co. 933 E. Broadway, Louisville, Ky.

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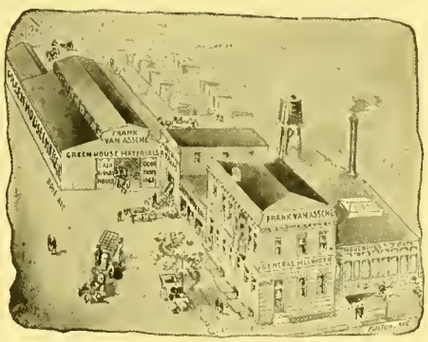
GREENHOUSE MATERIALS



FURNISHED and ERECTED
IRON or WOOD SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
Frank Van Assche
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JERSEY CITY, N. J.

GLASS
Higher Prices Sure
Save on Construction or Repairs
Buy now. Write us for prices.
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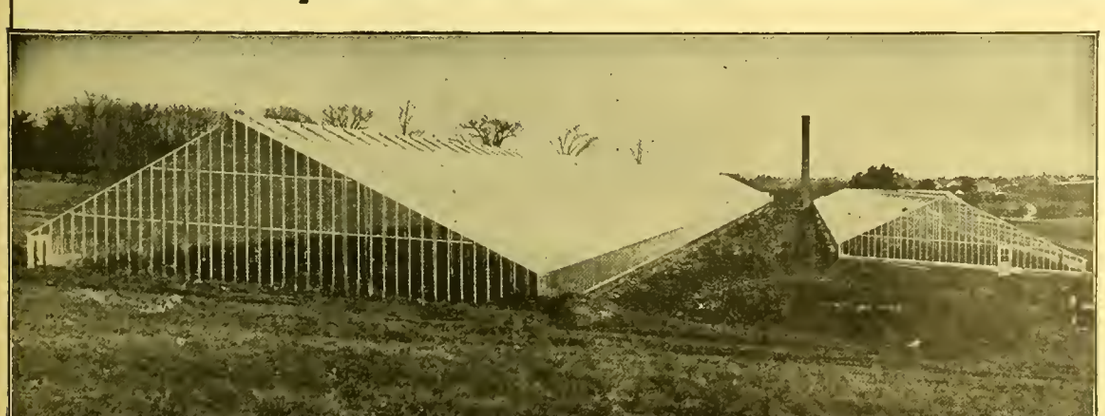
We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



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NEPONSET, Boston, Mass.

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WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

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CONCRETE BENCHES

CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

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ONE MADISON AVE.
NEW YORK

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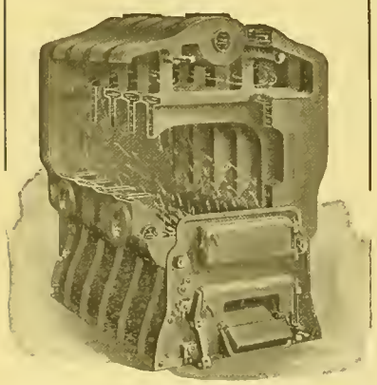
The Ideal Greenhouse Boiler



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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

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SIT DOWN TONIGHT—
PUT YOUR FEET UP ON THE STOOP RAILING AND TURN OVER PAGE BY PAGE OUR NEW 1910 HANDY HAND BOOK



It will be a revelation to you in the hundred and one things it contains that are just what you wanted to know about Greenhouse Materials—Heating—Ventilating—it matters not what it is. Over 200 subjects listed in the index, a large number of which are illustrated along with the description and price. There are a lot of things in it that you hadn't the least idea we made. That's why we say, turn it over page by page—you may be missing something.

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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BEFORE YOU BUY
GET OUR PRICES
Greenhouse Material
Any Style and Size



The best and cheapest.
WRITE US.

A. C. TOOF
Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.

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GLASS
Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
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GREENHOUSE CONSTRUCTION

Let us solve your problem for you. We have a reputation for doing things in the most scientific way, and have a wide experience. These are the things that count. "Ask the man" that has a KING GREENHOUSE. Get our Bulletins. Eventually you will be a King Customer. Why not now?

KING CONSTRUCTION CO.
NORTH TONAWANDA,

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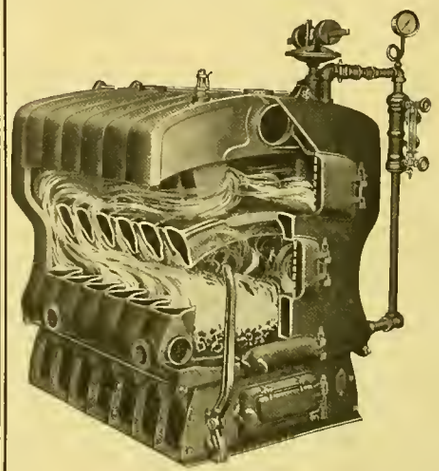
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."
For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

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CHICAGO
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F. E.—The Best Advertising Medium

Rose Notes—Bringing Plants Into Crop

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 12 NEW YORK AND CHICAGO, SEPTEMBER 17, 1910 One Dollar Per Year

Amherst MASS

Lilium Harrisii

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing—for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.
6 to 7 inch bulbs, 350 to the case, $17.50 per case; less quantities, $6.00 per 100
7 to 9 inch bulbs, 200 to the case, 18.00 per case; less quantities, 10.00 per 100

NARCISSUS PAPER WHITE GRANDIFLORA
14 c|m bulbs, 1000 to the case, $1.25 per 100, $11.00 per 1000.

BERMUDA BUTTERCUP OXALIS
Extra size bulbs, $0.75 per 100, $6.00 per 1000.

FREESIAS, FRENCH-GROWN
Bulbs ½-inch and up in diameter, $1.00 per 100, $8.00 per 1000.

WHITE ITALIAN HYACINTHS
12 to 15 c|m bulbs, 1160 to the case, $2.50 per 100, $22.00 per 1000.

WHITE ROMAN HYACINTHS
12 to 15 c|m bulbs, 2000 to the case, $2.75 per 100, $25.00 per 1000.
13 to 15 c|m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

SELECT FERNS FOR FINE STORE TRADE

We offer a grand lot of exceptionally well-grown plants of Nephrolepis, which will be found one of the best selling and most profitable plants for florists to handle. Our stock is in unusually fine shape, and we will guarantee that it will please the most exacting. It is exceptionally good value at the prices quoted.

Elegantissima Improved. The finest of this type, never showing a Boston frond; has not reverted in the last four years. Strong plants, 6-inch pots, 50c. each; fine specimens, 8-inch pans, $1.00 each; strong young plants, 2¼-inch pots for growing on, $10.00 per 100.

Elegantissima compacta. Bears the same relation to Elegantissima that Scottii does to Bostoniensis. Dwarf and compact. Especially fine in the small sizes. Extra fine plants, 4-inch pots, 25c. each; 6-inch pots, 50c. each; strong young plants, 2¼-inch pots for growing on, $10.00 per 100.

Superbissima. Introduced by us in 1908. Very distinct and very popular. 4-in. pots, 25c. each; large specimens, 8-inch pans, $1.00 each.

Bostoniensis. Good plants, 6-inch pots, 50c. each.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ....$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants..... ..... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
3-inch pots .... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

FIELD GROWN CARNATIONS

3,000 White Perfection, 750 Winona, 500 Mrs. Lawson; $6.00 per 100, $50.00 per 1000.

Please mention the Exchange when writing.

ROSE PLANTS

		100	1000
Pink Killarneys,	3½-inch.....	$8.00	$75.00
" "	2½-inch.....	6.00	55.00
White Killarneys,	2½-inch.	8.50	80.00
My Maryland,	2½-inch.....	6.00	55.00
700 Chatenay,	3½-inch.....	8.00	75.00
200 "	2½-inch.....	5.00	

BEGONIA GLOIRE DE LORRAINE
(ANDERSON'S STOCK)

Strong plants, immediate delivery, 2¼-inch, $15.00 per 100; $135.00 per 1000; 3-inch, $25.00 per 100; 4-inch, $35.00 per 100.

LILIUM HARRISII

5x7, 400 to the case, $5.00 per 100, $45.00 per 1000; 6x7, 335 to the case, $6.50 per 100, $60.00 per 1000; 7x9, 200 to the case, $10.00 per 100, $90.00 per 1000.

LILIUM FORMOSUM

6x8, 400 to the case, $4.50 per 100, $40.00 per 1000; 7x9, 300 to the case, $8.00 per 100, $70.00 per 1000; 9x10, 200 to the case, $10.50 per 100, $95.00 per 1000.

☞CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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Coleus "Brilliancy"

The most useful of the large leaf varieties. Luxuriant, handsome red and yellow foliage. 3-inch pot plants for immediate shipment, $1.00 per doz., $4.00 per 100.

Golden Bedder, Verschaffeltii and other Standard sorts, 2-inch $2.00 per 100.

Our Specialties Which We Grow in Quantities:

Geraniums Over 60,000 Stock Plants. 200,000 in 3-inch pots ready for Fall shipment.

Dahlias Over 40 acres. 350,000 whole field clumps.

Cannas 10 acres in splendid shape.

A CORDIAL invitation is extended to the trade to attend our Fourth Annual Dahlia Show, Sept. 27th-30th. Come to Cowenton B. & O. R. R. Train from 24th and Chestnut St., Philadelphia, 8.15 A. M. Special Trains from Baltimore.

R. VINCENT, JR. & SONS CO.
WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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King "Spawn"

Fresh Milltract—with lots of Mycelium in the bricks—sure cropper—100 LBS. $7.00.

BULBS

	Per 100	Per 1000
WHITE ROMANS, 11-12 ctms.	$2.25	$20.00
WHITE ROMANS, 12-15 ctms.	2.75	24.50
WHITE ROMANS, 13-15 ctms.	3.00	28.50
NARCISSUS—Paper White Grandiflora	1.15	9.00
NASCISSUS—Early Double Roman	1.25	9.00
LILIUM CANDIDUM—Extra Bulbs	5.00	45.00
LILIUM FORMOSUM, 7 to 9	8.00	70.00
LILIUM FORMOSUM, 9 to 10	10.50	95.00
LILIUM HARRISII, 5 to 7	5.00	45.00
LILIUM HARRISII, 7 to 9	9.50	85.00
NARCISSUS PAPER WHITES	1.25	9.00
FREESIAS, French, Selected	.75	6.50
FREESIAS, French, Mammoth	1.25	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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Narcissus–Paper White Grandiflora



Vaughan's Star Brand
Per 1000.....$10.50

Fancy
Per 1000.....$8.50

Lilium Formosum

	Per 1000
7-9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00

Lilium Harrisii

5-7 in.	$40.00 per 1000
6-7 in.	60.00 per 1000
7-9 in.	85.00 per 1000

Romans, Callas, Candidum, Chinese Lilies

Just arrived, first shipment of Dutch Bulbs.

FREE VAUGHAN'S BOOK FOR FLORISTS NOW READY **FREE**

Vaughan's Seed Store
New York 25 Barclay St. **Chicago**

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Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

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READY FOR DELIVERY

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25 cts. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

Roman Hyacinths

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00
White, 15 ctms. and up, 1000 to case	1.00	4.50	40.00

Lilium Harrisii

	Doz.	100	1000
5 x 7, 400 to case	$0.75	$5.00	$40.00
6 x 7, 335 to case	1.00	7.00	50.00
7 x 9, 200 to case	1.50	9.00	80.00

Lilium Formosum

7 x 9, 300 to case	1.25	8.50	75.00
9 x 10, 200 to case	1.50	10.00	95.00

Lilium Candidum

THICK PETALED VARIETY	1.00	6.50	60.00

Freesia Bulbs

	100	1000	5000
REFRACTA ALBA MAMMOTH	$1.50	$10.00	$45.00
REFRACTA ALBA, Selected First Size	.85	7.00	34.00
JUMBO BULBS	2.00	15.00	70.00

Stumpp & Walter Co. 50 Barclay St. NEW YORK

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HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marlenthal	.60	6.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Primroses

Improved Chinese Finest grown. All colors mixed, single and double, strong, 2-in., $2.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds, $1.50.

Primula Kewensis, the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our paney seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

SWEET SCENTED
PEONIES
SUPERB QUALITY



	Doz.	100	1000
Double White Mixed	$1.25	$7.00	$60.00
Double Red Mixed	1.00	6.00	50.00
Double Pink Mixed	1.00	6.00	50.00
Double Superb Named Sorts	2.00	12.00	

Write for Complete Peony List

Full Line French and Dutch Bulbs
Send for Wholesale Bulb Catalogue

JOHNSON SEED CO.,
217 MARKET ST., PHILADELPHIA, PA.
Please mention the Exchange when writing.

JAPAN BAMBOO STAKES
Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65c. per 100, $5.00 per 1000, $9.00 per 2000.

Dyed Green, 2 feet, 35c. per 100, $2.50 per 1000.

Dyed Green, 3 feet, 50c. per 100, $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

Special Offer
(To clear out)

COLD STORAGE LIL. GIGANTEUM, 300 in case, 7x9 size. In finest condition, per case of 300, $21.00.

We also offer:

	12	100
LIL. CANDIDUM, extra large, thick petaled stock	$0.60	$4.50
LIL. CANDIDUM, mammoth bulbs, thick petaled stock	.85	5.00
LIL. CANDIDUM, Jumbo bulbs, Monstrous petaled stock	1.00	6.00
LIL. HARRISII, 7x9	1.25	8.50
LIL. HARRISII, 9x11	2.75	20.00

Send for our Trade Fall List.

H. H. BERGER & CO.
70 Warren St., New York City
Please mention the Exchange when writing.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA
Please mention the Exchange when writing.

Cost is measured by the results obtained and in no other way

Dutch and French Bulbs
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt
Please mention the Exchange when writing.

We Print Catalogues
Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co
Nos. 2 to 8 Duane Street, NEW YORK
Proprietors The Florists' Exchange
P. O Box 1697 N. Y.

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—Sept. 2.—Vaughan's Seed Store, 21 pkgs. bulbs; Henry & Lee, 19 pkgs. bulbs. Sept. 6.—Lunham & Moore, 7 cases Mushroom spawn. Sept. 7.—Kennedy & Moore, 46 bags seed; Lehn & Fink, 14 pkgs. seed; Patterson, Wylde & Co., 43 sacks seed. Sept. 8.—Maltus & Ware, 783 cases bulbs.

European Notes

The threshing of Turnips referred to in last week's notes has been followed by an attack on the early Rutabagas, and in each case we are experiencing considerable disappointment. While the very earliest Turnips have yielded all that we expected, and in some cases a little more (Milan always excepted), the later and larger varieties, including Rutabagas, show a shortage of from 15 to 25%. It is possible that the later and coarser varieties of Rutabaga may, in some measure, compensate us for this shortage; we shall see. As the early Rutabagas are a short crop in Germany, England and France, the price should soon advance.

Spinach, thanks to a few really fine days, is now coming to hand from the farms, and, with the exception of the prickly seeded variety, is about up to our estimates.

Peas are going from very had to worse; in several cases stocks, the result of many years' careful selection, are lost. Unless threshing time produces a great surprise it will not be wise for the wholesale houses to put prices in their catalogs this season.

The Holland report is out and contains some disquieting news. It had been asserted that Cabbage crops were extra good, and this helped to keep prices for this article on a very unprofitable level; but now we are told that "the crop will hardly be a middling one," which fully justifies the prognostications of your very erratic correspondent.

EUROPEAN SEEDS.

American Notes

Trade on the Verge of Improving

The entire seed trade in practically every part of the country has, during the past ten days, been feeling the effects of the wave of warm weather, but this, of course, is only temporary. The moment we have a frost, with cooler days, bulb planting will be in order and the greatest activity is sure to at once prevail in everything that is seasonable, not only in bulbs, but in seeds, plants, sundries, nursery stock and everything carried by the seedsmen.

Stokes Seeds Philadelphia

Stokes' Standard Mixed Pansy
The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ⅛ oz., 75c.; ¼ oz., $2.75; 1 oz., $5.00.

PAPER WHITE NARCISSUS
Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 ctms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.
Send for Florist's Wholesale Price List
Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Cream of the Crop

In Japanese Lily Bulbs are packed in cases marked with the Horseshoe trademark. These cases contain the best bulbs harvested. They cost more than some others, but not more than they are worth. The price of size 7 to 9 inches is $75.00 per 1000 to one and all. That's for the Horseshoe brand of superior assortment.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Lilium Formosum and Cold Storage Giganteum in all sizes ready for immediate shipment. Fresh Giganteum will arrive in October. The crop is short and early orders are advised.

Please mention the Exchange when writing.

Just Arrived

Cyclamen Seed, Glant English strain, very finest obtainable, $1.00 per 100 seeds, $9.00 per 1000 seeds.

Pansy Seed, none finer offered. $5.00 per ounce, $1.50 per ¼ ounce.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

CANNAS

We grow over one million and offer for Fall or Winter delivery, as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARM
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

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Cyclamen Persicum Splendens
GIGANTEUM HYBRIDS
STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

Now is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 KAFFIR CORN fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers
1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

Selecting Autumn Bulbs

It is not a difficult matter for the seedsman who contemplates adding Autumn bulbs to his stock for the first time to select a suitable line, and whether it is arranged to purchase a large or small stock of bulbs the greatest care should be exercised that the bulk of the bulbs secured be standard and popular kinds, about which there can be no question of disposal.

In Holland bulbs, Tulips, Hyacinths, Narcissus, Crocus and Lilies are the principal quick sellers and sell proportionately in the order in which the writer has named them. In Tulips, stock up closely to good mixtures, as a good mixture is always in demand by the dozen, hundred and even by the thousand, by customers who have room for extensive planting. It will be a very easy matter, at any time, to send to a wholesale seedsman orders for named varieties of Tulips, but it is not advisable to carry named varieties until an established business in Fall bulbs has been started, and one knows fairly well in advance and estimates closely the sales of a Fall season along this line. One word more regarding Tulips, and that is that the mixed single varieties have a sale well in advance of the mixed double varieties. It will be found that at least three times as many mixed single varieties can be sold as the double ones. This estimate varies, of course, in different localities.

As regards Hyacinths, mixtures are also the best sellers. Of course, in Hyacinths you will need both double and single varieties as with the Tulips; the single varieties are the best sellers for the reason that outdoors they are surer and safer bloomers. If you have a large trade and wish to do so, you can carry the various mixtures in the different shades of colors; that is, the red shades, blue shades, pink shades and white mixtures.

The demand for Narcissus has very much increased during the last few seasons; in fact, every one wants a few Daffodils. Here, again, mixtures are desirable, but a few special sorts should also be handled regarding which any wholesale seedsman will furnish information. A close confinement to the hardy sorts and popular varieties, outside the mixtures, is advisable.

Crocuses need but a word. The bulbs are so inexpensive that quite an assortment can be kept on hand without fear of an undue surplus being left over at the end of the season. Here, too, mixtures take the lead, but it is also well, considering their low selling prices, as above mentioned, to carry some of the more valuable sorts in special colors and shades.

In Lilies, one should go carefully as they run into money fast; but a half-dozen of the popular varieties will help the bulb output to a very large degree, and by buying carefully and conservatively of these from week to week, there need be no fear of an expensive surplus at the end of the season to eat up the profits on what has been sold.

The odd varieties of the Fall bulbs, so-called, such as Snowdrops, Scillas, etc., can be obtained as wanted.

Now again comes to mind the many times we have urged the publishing of a little Fall Bulb List, even if it is only a sheet, that will give the prices and kinds so that customers may intelligently make selections. It is not too late to arrange for such a leaflet or even a small catalog which, while not expensive, will build a Fall business in bulbs which in future will become one of the most satisfactory branches of a business. V.

New York Seed Trade

As the cooler days approach, bulb business is fast assuming quite large proportions. All we need now is a frost, which cannot be far away, to start the sales of everything in Autumn planting bulbs in full activity. As every sign has pointed for months past to, perhaps, the largest Autumn bulb business ever done in New York, it is pleasing to note that each day approaching the season of sales in the bulb line only emphasizes the vast volume

ROUTZAHN SEED CO.

Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable **Seeds** for the **Florists**
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

JONQUILS Campernelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.50 per 100; $15.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

Thorburn's Bulbs

ROMAN HYACINTHS—PAPER WHITE NARCISSUS—DUTCH BULBS
CYCLAMEN GIGANTEUM SEED
Finest Strain Procurable. New Crop Now Ready
Inquiries Solicited.

J. M. Thorburn & Co., Seedsman 33 Barclay St., N. Y.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

The American Carnation

Price $3.50

A. T. De La Mare Ptg. & Pub. Co., New York

Prices Advertised in these Columns are for THE TRADE ONLY

of business that is just ahead of us all. Other lines are seasonably busy with the seedsmen, and satisfactory.

On account of the unfavorable Grass seed crop reports, Timothy and Clovers are working higher, especially Timothy and red and white Clover. It looks as if Timothy would, in the very near future, be sold at retail at $5 or more per bushel. The best red Clover is now worth $16 per 100 lbs., and the best white Clover, $25 per 100 lbs. These prices are higher than in two decades.

The Stumpp & Walter Co. is beginning to receive a very large volume of bulb orders and feels that it will not be long before many shortages will begin to develop.

Vaughan's Seed Store are about sold out of French-grown Freesias and say that the demand has been much larger, to date, this season than in any previous year.

Wm. Elliott & Sons are receiving large shipments this week of Holland bulbs, and are very much pleased with the quality of the goods so far received.

At Boddington's, orders for bulbs are coming in very fast and the individual orders are averaging much larger than for many seasons. Winter-flowering Sweet Peas are still in good demand with this house.

Rickards Bros. feel that the bulb trade in the uptown sections, at 19th st., where they are located, will be very large the coming season; in fact, for some years past counter sales have been steadily increasing in this direction with this house.

Wm. E. Marshall & Co., at their 23d st. store report a good demand for everything at retail in house plants. This firm has made quite a specialty of this line.

J. M. Thorburn & Co. are continuing their displays of seasonable vegetables grown at their trial grounds at Noroton, Conn., and, as previously mentioned in this column, such displays result in a large amount of most excellent advertising.

A. Lee Don, for the past twelve years connected with his father in the firm of Weeber & Don, and bride, formerly Miss Myra F. Arnold, have returned from their honeymoon trip.

Philadelphia Seed Trade

The seeds of the good old Timothy Grass, which, when turned into hay, the farmer is supposed to stuff his horses ribs with, but which, alas for the farm, is too often sold to feed some city horse, seems, if it can be judged from the way the price of it is soaring, to have the aviation fever. Last week $4.50 marked the top retail price, but this week it is "$5.25 per bushel, if you please," at retail, and $4.80 at wholesale in the West; but, nevertheless, it is a *sine qua non* with the farmer.

Bald and bearded Wheat are retailing all the way from $1.75 per bushel up to $3 for fancy stock.

W. Atlee Burpee left the city this week on a short Western trip.

"Busy checking up our bulbs, and getting ready for an outside display of bulbs, Ferns and Ficus elastica," says Mr. Sherry of the Johnson Seed Co. He also says that he will send out a great many Peony roots this month, and that even thus early inquiries are coming in for Cypher's incubators.

"Very busy unpacking three large consignments of Dutch bulbs," says Clarence Moore, of the Moore Seed Co.

There is an outside display of bulbs at Stokes' Seed Store, bushels of bulbs outside the door at Henry F. Michell's, a well-arranged window display of bulbs at Henry A. Dreer's, and there are many millions of bulbs in the storage rooms of the Philadelphia seedsmen today. The outlook is good, all say, for the most tremendous sale of bulbs in bulb history.

George Atkinson is found again in the Walter P. Stokes store, making the work hustle, looking brown and healthy after a very enjoyable vacation at Beach Haven, N. J. There he could take his choice between a visit to old ocean's beach or the quieter waters of Barnegat Bay. It is just sinfully tantalizing to hear him tell of the snipe shooting, fishing and crabbing he has been enjoying. Outside the store is noted a display of "English Mill Track Mushroom Spawn." Mr. Stokes is found in his upstairs office this Monday morning, looking over a collection of more than 100 photos which he took while on his recent European trip. By the way, Mr. Stokes is an expert amateur photographer along certain lines, and was probably the first man in America, and perhaps in the world, to use half-tone photos in a seed catalog. Among the photos Mr. Stokes was looking over was one of Boskoop, Holland, the home of so much nursery stock, a

VOLUME 1 NUMBER 11

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 17th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:

Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.

Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.

Lilium Speciosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY (Cold Storage)

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc.

FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 11 to 12 centimeters, 2,700 bulbs in a case.	$2.25	$20.00
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	2.85	26.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

FREESIAS (French-Grown)

	100	1000
Bulbs, ⅝ to ½ in. in diameter	$0.75	$6.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	16.00

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

PAPER WHITE NARCISSUS GRANDIFLORA

With the florist is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00

LILIUM CANDIDUM

The thick-petaled kind. Only the largest size. 22 centimeters and up, in circumference. You should plant some of these. They are excellent for cutting in May and June. **$4.50** per 100, $40.00 per 1000. About 250 in a case.

LILIUM LONGIFLORUM FORMOSUM

The wonderful new **Easter Lily** from the **Island of Formosa.** Said by the **introducers to be free from disease and easy to grow.**

	Doz.	100	1000
6- to 8-inch, 400 bulbs in a case	$0.50	$4.50	$40.00
7- to 9-inch, 300 bulbs in a case	1.00	7.00	67.50
8- to 10-inch, 200 bulbs in a case	1.25	10.00	95.00
9- to 10-inch, 200 bulbs in a case	1.50	10.75	106.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

"QUALITY" CHRISTMAS SWEET PEAS

AT the Exhibition and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910, we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

The right time to grow Sweet Peas for Christmas flowering is Now

All our Christmas-flowering Sweet Peas are true to name and grown from originator's stock (secured by us) by one of the most reliable seed growers and Sweet Pea specialists in California, and we can make immediate delivery. Our output last year was nearly 5000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An **exceptionally** early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of **exceptionally** free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz. 10 cts., ¼ lb. 40 cts., ½ lb. 60 cts., lb. $1.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.50, lb. $2.50.

Christmaa Meteor. Scarlet; fine open red flower. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Florence Denzer. Pure white. Oz. 15 cts., ¼ lb. 50 cts., ½ lb., 85 cts., lb. $1.50.

Le Marquis. This is the same color as Princess of Wales violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. Alex. Wallace. Lavender. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Geo. Lewis. Large, pure white wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. $1.50.

Mrs. W. W. Smalley. Satiny pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. F. J. Dolanaky. Daybreak pink. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

Wallacea. Very fine lavender, a grand florists' variety. Oz. 50 cts., ¼ lb. $1.50, ½ lb. $2.75, lb. $5.00.

Watchung. Pure white. Oz. 20 cts., ¼ lb. 50 cts., ½ lb. $1.00, lb. $1.75.

Wm. J. Stewart. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. $1.25, lb. $2.00.

All other varieties of winter and summer flowering Sweet Peas supplied. Write for quotations upon large or small quantities.

DUTCH BULBS HAVE ARRIVED

AND WE CAN MAKE IMMEDIATE DELIVERY
QUALITY AND PRICE RIGHT. CATALOGUES FREE.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

Lily Growers, Attention!

We have just received from one of our prominent Bermuda growers a trial shipment of **late dug Lilium Harrisii,** of which he claims that they will force more readily and produce a **high percentage of disease-free plants.** To be successful in this experiment **they should be planted at once.**

Our shipment is of limited quantity and to clear them swiftly we offer them at these remarkably low prices:

5 to 7 inches, per case of 400 bulbs, $16.00; per 1000, $38.00. 6 to 7 inches, per case of 335 bulbs, $18.00; per 1000, $52.50. 7 to 9 inches, per case of 200 bulbs, $16.00; per 1000, $75.00.

THESE PRICES ARE SUBJECT TO BEING UNSOLD ON RECEIPT OF ORDER

Henry F. Michell Co., 1018 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Order Now from Our Surplus Stock

FREESIAS, 1-2 to 3-4 inch (Samples upon request)

LILIUM FORMOSUM, all sizes

WRITE FOR PRICES

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., New York

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

PHOENIX ROEBELENII

TWO YEARS OLD

Seedlings, ready to go in thumb pots. Per 1000, $50.00; per 100, $6.00. For larger quantity special price.

KENTIA BELMOREANA

Fine, clean, bushy and well-grown stock from 2½-inch pots, nice for centers or to grow on in 4-inch pots. Per 1000, $60.00; per 100, $8.00.

Fern Seedlings Standard Varieties Only

Strong healthy plants, per 1000, $10.00; per 10,000, $80.00.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, P A

Please mention the Exchange when writing.

town in which there is more water than land; another photo evidences the cheap transportation there, in a motor-boat taking a load of Cauliflowers to market; another photo takes in eight windmills, showing how much these are used in Holland as a motive power. Here are seen some windbreaks of canes, protecting the plants from the heavy winds which sweep across the flat country. Some photos taken at sea, especially one in which the camera caught hundreds of gulls in flight, are very well done.

At the Henry A. Dreer store one window is given up to a display of blooms of Sunflowers. Especially fine is Helianthus sparsifolius, a large, siugle, bright yellow bloom; also H. multiflorus fl. pl., a donble bloom with flat petals and a deep golden yellow color; and H. Soleil d'Or, a double quilled bloom of the same color. Veronica longifolia subsessilis is also shown; its spikes of blue flowers are in themselves attractive, and contrast nicely with the rich, deep green foliage. Someone has said that in the evolution of flower colors blue is the latest and highest type of color. The Penna. R. R. is putting in a six car siding at Dreer's new place at Riverton, so that material for building may be landed directly on the place, and, later, the products taken away.

Paul F. Richter, manager for the Henry F. Michell Co., with his family is now taking his vacation. Maurice Fuld has now taken the helm of the advertising and catalog department at Michell's. This company is now unpacking one of the largest shipments of Dutch bulbs ever received in this city. Another greenhouse is being added to the Torresdale range and 100 more sashes. Hereafter, this company will grow all of its own perennials, and will have a complete assortment for 1911.

F. E.—Best Advertising Medium



S. B. Dicks

The portrait here shown was taken in California, this month. Mr. Dicks, probably the most widely known seedsman in the world, having finally realized "the dream of a quarter of a century" through his visit to that State.

Chicago Seed Trade

The situation as regards Peas seems to be getting worse instead of better. Beans are not along as well as was expected, and a shortage of many of the standard sorts will be the result. The wax varieties are reported to be the worst. The late varieties of Sweet Corn have been touched by the frost, and the crops will be shortened considerably according to latest reports.

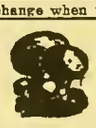
Onion sets at Chicago are of good quality, but the quantity decreases each time they are handled. The Cucumber and Melon crops are developing on the short side, from reports received from all growing sections, South and East as well as West.

Trade from the jobbers' stand point is all that could be desired, according to the Leonard Seed Co. This house expects to be able to make very fair deliveries, considering the adverse conditions. Its Pea and Bean crops will not be so good as was expected some time ago, but are not so bad as reported by other growers operating at other points.

Vaughan's Seed Store is doing an extra fine counter trade in bulbs of all descriptions. Peony plants are also moving off rapidly.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. C.
Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wellacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N. Y.
Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



Henderson's Superior Bulbs For Autumn Planting

The largest assortment of varieties and the best bulbs imported into America

Our Florists' Catalog of Bulbs ready September 1st

Now Ready For Shipment

Lilium Harrisii

	100	1000
5 to 7 in. bulbs	$4.50	$40.00
6 to 7 "	5.50	50.00
7 to 9 "	9.00	85.00

Formosa Longiflorums

	100	1000
6 to 8 in. bulbs	$4.00	$38.00
7 to 9 "	6.50	62.00

White Roman Hyacinths

	100	1000
12 to 15 in. bulbs	$2.75	$25.00
13 to 15 "	3.50	30.00
14 in. and up	3.75	35.00

Narcissus Paper White Grandiflora

	100	1000
Extra size bulbs	$1.00	$9.00

Freesia Refracta Alba

	100	1000
Extra size bulbs (½-in. up)	$0.85	$7.50
Mammoth bulbs (¾-in. up)	1.00	9.00

Lilium Candidum

	100	1000
8 to 9 in. bulbs	$4.00	$35.00
9 to 10 "	4.50	40.00

PETER HENDERSON & Co., 35 & 37 Cortlandt St NEW YORK

Please mention the Exchange when writing.

German Grass Seed Report

We have received from Conrad Appel, Darmstadt, Germany, a copy of his report on home grown and foreign natural grass seeds. The report states that while the warm weather in April and part of May influenced the maturing of home grown seed to some extent the unfavorable weather conditions with continuous rains in June and July diminished expectations considerably, and the quantity and quality of this season's crop lessened.

BIRMINGHAM, ALA.—The Amzi-Godden Seed Co. has increased its capital stock from $40,000 to $100,000.

DES MOINES, IA.—On the occasion of the Labor Day parade in Des Moines the Iowa Seed Co., presented a bouquet to every man and woman taking part in the affair.

NEBRASKA'S SEED CROPS.—The Western Seed and Irrigation Company write us: Since writing you we have received reports of further crop damages on account of cloudbursts in the irrigated sections causing the canals to overflow and flood the crops, also on account of frosts in the north central and western part of Nebraska, which will reduce the yields of many varieties of vine seed crops which have either been destroyed by the floods or killed by the frosts. We also understand that recent heavy wind and rain storms, accompanied by some hail, have destroyed portions of the crops in some sections of eastern Nebraska. We are about to make our final inspection of the vine seed crops and hope to find things more encouraging than the reports would indicate.

The United States Dept. of Agriculture, Bureau of Statistics, furnishes the following crop report: The condition of various crops in the United States on September (or at time of harvest)—100 representing for each crop, not its normal condition, but its average condition on Sept. 1, or at time of harvest (10-year average for most crops)—was as follows: Peaches (production), 113.1; Winter Wheat (yield per acre), 110.5; Oats, 104.8; Cabbages, 104.4; Hops, 102.6; Rye (yield per acre), 101.8; Cranberries, 99.6; Cotton, 98.6; Corn, 98.4; Hemp, 98.3; Sweet Potatoes, 98.2; Sugar Cane, 97.6; Cantaloupes, 97.3; Sorghum, 97.1; Oranges, 97.1; Watermelons, 97.0; Onions, 96.3; Tomatoes, 95.5; Kaffir Corn, 95.6; Buckwheat, 94.6; Tobacco, 94.4; Sugar Beets, 94.1; Hay (yield per acre), 93.1; Alfalfa, 92.9; Potatoes, 88.3; Grapes, 87.7; Millet, 86.6; Apples, 85.6; Barley, 84.0; Spring Wheat, 80.9; Flaxseed, 55.8.



DREER'S GIANT CYCLAMEN

NEW CROP SEED NOW READY

WE have for years carefully noted the various strains of Cyclamen from the world's foremost specialists and feel sure that the strain here offered is by far the best regardless of price.

Our grower has made the Cyclamen a life study, and the strain is now practically perfect; the habit of the plants, purity of colors, size and substance of the flowers leaving nothing to be desired.

Many of the leading growers are now using this strain exclusively. We offer as follows:

	100 Seeds	1000 Seeds
DREER'S GIANT PURE WHITE	$0.75	$6.00
DREER'S GIANT WHITE WITH CARMINE EYE	.75	6.00
DREER'S GIANT ROSE WITH DARK EYE	.75	6.00
DREER'S GIANT BLOOD RED	.75	6.00
DREER'S GIANT CHOICEST MIXED, all colors	.60	5.00
DREER'S GIANT WONDER OF WANDSBEK. A new variety of various brilliant rose shades suffused with salmon. A striking color	1.50	12.00

PLANTS FOR NEXT WINTER'S BLOOMING

We can supply nice 3-inch pot plants of our Giant Cyclamen in the first four colors noted above, $1.25 per doz.; $10.00 per 100.

HENRY A. DREER 714 Chestnut Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. DeLaMare Ptg. & Pub. Co. 2 to 8 Duane St. New York

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



MIGNONETTE

Boddington's Majesty

The finest of all the fancy varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety. Trade pkt. 50c., ¼ oz. $1.00, oz. $7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

New York City

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Rare Old Seeds and Bulbs

Among the seeds and bulbs found recently by French explorers in ancient cemeteries near Lima, Peru, are several varieties of the common Bean, Phaseolus lunatus, and of the Lima Bean. These tombs are without a doubt remnants of the ancient civilization of Peru, and the discovery of the common Bean here is of importance, as it indicates that this plant is in all probability of American origin. Among the other plants found are many kinds of Maize, which are remarkably polymorphous, Canavalia, Lucuma, Arachis hypogœa—Peanut—which also seems of American origin. Gossypium—Cotton plant—and bulbs of Manihot utillisima—Manioc.—*Revue Horticole.*

Seed Sterilization and Its Effect Upon Seed Inoculation

Circular 67, just issued by the Bureau of Plant Industry, U. S. Department of Agriculture, written by T. R. Robinson, Assistant Physiologist, Office of Soil-Bacteriology and Water Purification Investigations, is worth sending for by those interested. The circular deals particularly with experiments on seed of Alfalfa, Crimson Clover, Garden Peas, Beans, Wheat, Corn and Radishes, and the conclusions drawn by the author, which are the "meat in the cocoanut," are as follows:

As a preliminary to legume-inoculation experiments, seed disinfection should be practiced with special precaution.

Some method of treatment to eliminate chance contamination with the nodule organism is advisable in experiments where extremely accurate checks are necessary.

The usual methods of disinfection, employing metallic poisons such as mercuric chlorid, are objectionable, it having been shown that these poisons cling to seeds even after they have been rinsed in amounts sufficient to be harmful and often fatal to organisms placed on the seed for inoculation.

Hydrogen peroxid has been found to be effective in eliminating bacterial contamination, and its residual effect is much less harmful than that of the other disinfectants tested.

Asiatic Plants for the United States

A despatch from Tokio, Japan, to the New York Herald states that it is reported that the United States Government has invited Kamakusu Minakata, a Japanese botanist of Tanabe, to take charge of the transplanting of Asiatic plants and herbs in America, and also of the Oriental archives of the Congressional Library.

This Japanese botanist is described as a man of remarkable intellect. He studied at an agricultural college at Lansing, where, it is said, he finished in a year the mathematical course which usually occupies four years. He then entered the University of Michigan, where he devoted himself more especially to the study of lichens and also made a splendid collection of butterflies. It is on record that his assiduity in this direction elicited praise from the eminent Professor Holland, who declared that, after himself, the Japanese student had probably made the finest collection of the kind extant.

Minakata later went to the West Indies, where he made an important discovery, not mentioned by the Japanese papers, but on account of which they say he was awarded a medal by a Norwegian scientific society. He then went to London to pursue his studies and was appointed curator of the Oriental department of the British Museum. On returning to Japan he retired to his native place and the latest discovery assigned to him is that of a very rare type of fungus.

California Land

Referring to an advt. of California land for sale in another column of this week's issue, Mr. P. D. Barnhart says:

"Since I have been in this State I have not met with soil, water and climate, all combined, that is so favorable for the small landowner to make a good living in and some money besides. Apricots grow there to a degree of perfection, not often met with; Olives luxuriate in that region. Pomegranates, equal to Currants for jelly making, grow to good-sized trees, and are immune from any insect pests. Grapes and Figs, with a sugar content of 25 to 28%, are cured in the sunlight."

Pansy Plants

Giant Flowering, September 20, 50c. per 100, $2.50 per 1000.

ASPARAGUS per 100

ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

Per 100

Chinese and Forbesii, $15.00 per 1000, $1.75

Obconica alba and rosea, 2¼-in. pots 2.00

Obconica Gigantea 3.00

NARCISSUS, Paper White 1.50

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSIES

300,000 Brown's Improved Giant Prize Pansy Plants. In Mixed and Separate Colors, $3.00 per 1000; $2.50 per 1000, in 5000 lots. Fine, Stocky Plants.

Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

SMILAX, extra strong, young plants, ready for permanent beds, at $1.00 per 100; $8.00 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

GIANT AND PANSY SEED PLANTS

THE KENILWORTH STRAIN

1910 Seed, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Bronze and Light Blue Shades.

Trade Pkt. 25c., any five, $1.00. Plants, 100 50c. 1000 $3.00.

Chas. Frost Kenilworth, N. J.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price-List on 10,000 lots. Ready from now on.

IXL Strain of Pansy Plants

LIMITED

You Can't Beat Them. Finest Yet.

1000 lots, at $3.00 per 1000

5000 lots, at 2.50 per 1000

5000 lots and over at same rate.

Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED

$1.00 per trade packet

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field plants, $5.00 per 100, $45.00 per 1000.

Lady Campbell, $4.00 per 100, $35.00 per 1000.

PRIMULAS, Chinese and Obconica; CINERARIA (dwarf) Double; ALYSSUM; ASPARAGUS Sprengeri; 2½-inch, $2.00 per 100, 300 for $5.00.

CELERY and CABBAGE PLANTS, best varieties, $1.00 per 1000, $7.50 per 10,000.

PARSLEY PLANTS, Double Curled, from field, $1.50 per 1000.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

Cut Blooms of Golden Glow

CHRYSANTHEMUMS

Ready, write for prices.

STEVIA COMPACTA

3000 splendid field plants, as big as basket $8.00 per 100.

I. M. RAYNER, Greenport, N. Y.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $45.00 per 1000.

Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAIN, N. Y.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK

Florist and Nurseryman, HIGHTSTOWN, N. J

Please mention the Exchange when writing.

Seasonable Plants

CYCLAMEN, 3-inch, $7.00 per 100. DRACAENA Indivisa, 4-inch, $10.00 per 100; 2-inch, $2.00 per 100, $18.00 per 1000. ASPARAGUS Sprengeri, 2-inch, $1.50 per 100; 2½-inch, $2.50 per 100; 3-inch, extra strong, $4.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Quality of Our Stock will Please the Most Critical Buyers

CRAIG QUALITY STOCK

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall, $5, $6 and $7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots .75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans.....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceof the Croton family.

6-7-8-in. pots, $1.50, $2.00, $2.50, $3.00, $3.50 each

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracænaa for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready September 15th.

5-in. pots .....$5.00 and $6.00 per doz.

Dracaena Terminalis

This is the best variety for Christmas sales. We will have a superb stock for delivery after Oct. 15; perfect in foliage and exceptionally well colored. We are now booking orders for same for above delivery at the following prices:

4-in. pots, strong.....$25.00 per 100
5-in. pots, strong .....$50.00 and $75.00 per 100
6-in. pots, strong.....$9.00 and $12.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb Stock.

8-in. pots, strong plants, $18.00 and $24.00 per doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers,....$9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

6-in pots, 3 plants, 24 to 26 in. tall....$9.00 doz.
Heavy 6-in. pots, 3 plants, 28 to 30 in. tall, ...$12.00 doz.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall...$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall...$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall..$3.50 each

Pandanus Pacifica

Very handsome plants.

11-in. tubs,....$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $1.50, $2.00, $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy.....$6.00 and $9.00 per doz.
8-in. ¾ pans, heavy.....$15.00 per doz.
10-in. ¾ pans, heavy.....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strongs plants..$6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots.....$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Bostoniensis Harrisii

The greatly improved Boston. Especially good in large plants.

11-in. tubs, very handsome.....$3.00 each

Neph. Scottii

Our stock in superb condition.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots .....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome.....$18.00 per doz.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

2½-in. pots, twice shifted, $15.00 per 100, $140.00 per 1000
4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, Sept. 15 delivery.....$50.00 per 100
3-in. pots, ready now.....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of LIGHT BEGONIA LONSDALE sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

4-in. pots, heavy, $25.00 per 100, $225.00 per 1000
5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots .....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants.....$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy..$8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy....$9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Pandanus Veitchii

Ready October 1.

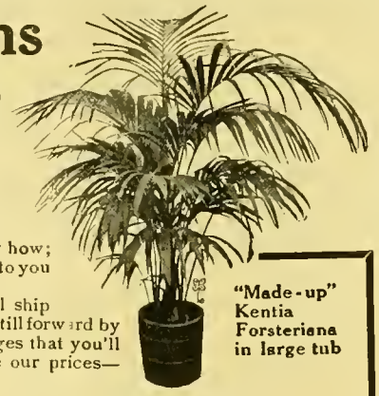
4-in. pots .....$6.00 per doz., $45.00 per 100
6-in. pots.....$12.00 per doz., $90.00 per 100

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth & Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Get Ready NOW to Sell Palms for Use Indoors this Winter



"Made-up" Kentia Forsteriana in large tub

THERE'S this beauty about selling well-grown Palms: the demand is steady. Palms are just as good for indoors as for porch and lawn decoration—and now that your customers are commencing to "live inside" more, you have another splendid opportunity to handle our Palms and make money with them.

They are grown right here in our own houses, from the seed, by men who know how; they are clean, healthy, vigorous plants, and will give the best of satisfaction—both to you and your customers.

Let us fill your order for some of them; we have an excellent stock and will ship promptly, and if you order at once, we can still forward by freight, saving you the heavy express charges that you'll have to pay if you wait till frost. Here are our prices—may we not hear from you NOW?



Prices of First-Class, Home-Grown Palms

ARECA LUTESCENS

	In. high	Each
6-in. pot	3 plants in pot 26 to 28	$1 00
7-in pot	3 plants in pot 30 to 32	1 00
8-in. pot	3 plants in pot 36	2 50
8-in. pot	3 plants in pot 42	3 00

COCOS WEDDELIANA

	In. high	Per 100
2½-in. pot	8 to 10	$10 00
2½-in. pot	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz.	Per 100
6-in. pot	6 to 7	18		$6 00	$50 00
6-in. pot	6 to 7	22 to 24	$1 00	12 00	
6-in. pot	6 to 7	24 to 26	1 25	15 00	
6-in. pot	6 to 7	26 to 28	1 50	18 00	
7-in. tub or pot	6 to 7	34 to 36	2 50	30 00	
7-in. tub or pot	6 to 7	36 to 38	3 00		
7-in. tub or pot	6 to 7	40 to 45	4 00		

	Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48 very heavy	$5 00
9-in. tub	6 to 7	48 to 54 very heavy	6 00
9-in. tub	6 to 7	5 ft. very heavy	8 00

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz.
6-in. pot	5 to 6	28 to 30	$1 00	$12 00
6-in. pot	6	34 to 36	1 50	18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot 4 plants in pot	36	$2 50
7-in. tub or pot 4 plants in pot	36 to 40	3 00
9-in. tub or pot 4 plants in tub	42 to 48	6 00
9-in. tub 4 plants in tub 4 ft. high, heavy		6 00

CIBOTIUM SCHIEDEI

Ready Now; Stock Limited.

		Each
9-in. tubs	4 to 5 feet spread	$6 00
9-in. tubs	6 ft. spread	7 50

PHOENIX ROEBELENII

	Each
5-in. pots, nicely characterized	$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00

"WHEN IN PHILADELPHIA, BE SURE TO LOOK US UP"

Joseph Heacock Company, Wyncote, Pa.

Railway Station: Jenkintown

Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Cheaper than the Cheapest, Good as the Best.

S. A. Nutt ..... $11.50 per 1000
Ricard ..... 14.00 per 1000
Poitevine ..... 14.00 per 1000

Grown right—Rooted right
Packed right—Named right.

All sold until Nov. Better get your order placed for Nov. delivery.

COLEUS

Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Strong 3-in. Nutt and Ricard, $2.50 per 100, $20.00 per 1000; 2-in. Nutt, Buchner, Ricard, $1.50 per 100. Transplanted Rooted Cuttings, strong, of all Standards, $12.00 per 1000, $1.50 per 100. Cash, pleaee.

RUDOLF NAGEL, Lancaster, Pa

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard and Poitevine, $10.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Beaute de Poitevine, John Doyle, La Favorite, Jean Viaud, A. Ricard, Castellane, Madam Lantry, E. G. Hill.

2½ inch $25.00 per 1000

Ready in November

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

An assortment of other good commercial varieties.

Fine Stock from 2¼-inch pots; $3.00 per 100, $25.00 per 1000.

CARNATIONS

Fine, Healthy, Field-Grown

BEACON, $8.00 per 100.

CRIMSON BEAUTY, LADY BOUNTIFUL, WINSOR, and **KINGSTON PET**, $7.00 per 100.

MRS. T. W. LAWSON, PRES. SEELYE, VICTORY, WHITE LAWSON and **HARLOWARDEN**, $6.00 per 100.

ROSES

Own Root, Fine Stock

PERLE and **SUNSET**, $8.00 per 100.

BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE and **KAISERIN**, $6.00 per 100.

Grafted, Fine Stock

3½-inch pots, $20.00 per 100. 3-inch pots, $18.00 per 100.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, CARNOT, from 3½-inch pots, $17.00 per 100.

ENCHANTER, MRS. JARDINE, RHEA REID, WOOTTON, from 3-inch pots, $15.00 per 100.

ASPARAGUS Per 100

Plumosus Nanus, from 3-in. pots $5.00
Plumosus Nanus, from 2¼-in. pots 4.00

SMILAX

Nice stock, from 2¼-in. pots, $2.50 per 100, $20.00 per 1000.

STEVIA COMPACTA

Fine, field-grown plants, $8.00 per 100.

Send for Catalog

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder, and Assorted, 2-in., $1.00 per 100.

AGERATUM Gurney, SALVIAS, HELIOTROPE, ASTERS, PHLOX, Single Star PETUNIAS, 2-in. pots, $1.00 per 100

GERANIUMS, Nutt, Poitevine, Doyle and others, 3-in. pots, $3.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

5000 CANTERBURY BELLS

Pot-Grown Plants

5-inch grand plants, $12.00 per 100, ready for 7-inch pans.

See Fritz Bahr's note about these.

The Carl Hagenburger Co.,

W. Mentor, Ohio

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $6.00 per 100; Killarney, 5-in., 35c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulio, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

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Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Mac Niff Horticultural Co.

62 Vesey Street, New York City



Will Sell at Auction

Auction Sales Every Tuesday and Friday at 11 A. M. Sharp, throughout the Autumn Season.

A large assortment of **PALMS, FERNS (Boston, Whitmani, etc.), FOLIAGE PLANTS, ASSORTED CONIFERS, BULBS, Etc.**

Also 10,000 **CALIFORNIA PRIVET** from the best local growers.

Please mention the Exchange when writing.

BENCH FERNS

No. 1 Stock—To Make Room

Scottii, extra fine, for 4-6 in., $12.00 per 100; 3-in., $5.00.
Boston, for 4-5 in., extra fine, $15.00 per 100.
Whitmani, extra, for 6-7 in., 25c.
ASPARAGUS Sprengeri, extra heavy, 3-in., $2.50 per 100, $20.00 per 1000.

Cash.

WM. S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

Des Moines, Ia.

At the State Fair held here Aug. 25 to Sept. 2 the florists captured a number of the premiums. The Iowa Seed Co. of Des Moines took 20 firsts, 5 seconds and 2 thirds. The J. C. Wilson Floral Co. of Des Moines took one first and four seconds. Wm. Trillow, Des Moines, took 4 firsts, 13 seconds and four thirds. Lozier's Inc., Des Moines, took 5 firsts, 6 seconds, and 10 thirds.

Cleveland, O.

The Aster season is about over, and the florists in general seem well pleased that it is, particularly the wholesalers, who have had all the trouble of handling the flowers. However, the few late ones coming in find a ready demand if they are good.

Dahlias in limited quantities are to be seen now in the markets, and with the late rains and cooler weather should be very plentiful shortly.

Growers are cutting some Carnations, which are eagerly sought. Cooler weather is also beneficial to the Rose crop, and raises the grade of the stock. There is not much of variety in stock to choose from; there are some Gladioli, Japanese Lilies, Snapdragon, Swainsona, Valley, Roses and Carnations. Most of the stock is good, and the number of funerals lately has kept the counters cleared. Roses, such as Kaiserin, My Maryland, Killarney, white and pink, and Richmond, sell at from $3 to $8 per 100. Carnations sell at 75c. to $1.50 per 100. Valley brings $3 and $4 per 100; Swainsona, 40c. per 100; Gladioli, $1.50 to $2 per 100; Asters, 40c. to $2 per 100.

While the news is somewhat belated, the business of the firm of Westman & Getz will continue along the same lines as heretofore, Miss Hester Getz assuming control, and the firm name will not be changed.

The Wilson Bird Store on Prospect ave. will handle a complete line of bulbs for Fall trade this season, and expects to gradually work up a retail seed and bulb business.

Geo. Smith, proprietor of the Cleveland Florists' Exchange, is the happy father of a fine baby girl.

F. R. Williams of the F. R. Williams Co. and the Cleveland Cut Flower Co., has just returned from a fishing trip in Canada—and he caught some fish too.

Will Kramer of Rocky River, O., is sending in some of the nicest Asters to be seen on the market. His Carnations are all in now, and he will commence cutting soon.

Frank Schoen, formerly of Toledo, and until recently with the Gasser Co., assumes the management of a flower store in the Taylor Arcade run by the Taylor Co.

Harry Piggott has taken over the Thrum greenhouses out Cedar ave. way, and has refitted the store part very handsomely.

Simon Anderson of Rocky River is still cutting some fine Japanese Lilies, Asters and Snapdragon.

Chas. Bramley, of Superior st., has had the "auto bug" in its worst form lately, and now has a dandy little Hupmobile, as a result of the bug's sting.

The Cleveland Cut Flower Co. is receiving about the only Carnations in the Cleveland market, and the stock is very fine.

The Smith & Fetters Co. has had this past week one of the richest window displays that even this house can boast of. The color scheme was gold, green and yellow; great streamers of wide gold ribbon, draped, and Helianthus in vases.

John Dunstan, of Niles, O., who is a baseball fan, was in Cleveland to see Saturday's game. G.

Baltimore

Business conditions are about what can be expected; there is little stock on the market which is quickly used up. At the Florists' Exchange stock is arriving nicely and its well known manager, J. J. Perry, disposes of it to good advantage. Considering the extreme drought we have had, which has cut the usual supply off somewhat, the good judgment of the Exchange manager has kept the trade supplied and no complaints have been heard.

Our lakes which supply water to the city are almost exhausted and notice has been given that the water would be shut off for three hours a day unless rains came. This would certainly handicap many growers as they depend on this city's supply. I have heard of no wells being dried out. At the present writing a heavy rain is falling and a week's downfall would be needed to meet the deficiency. In some sections of the country outside crops are nearly dried out; in one instance a grower was compelled to stop going to market.

Dahlias, Asters and Cosmos are coming in slowly and in fairly good condition. Roses are doing well, but are still scarce. Asparagus plumosus is holding out fairly well. Pot plants are nearly at a standstill except Ferns.

J. S. Wamsley, who had conducted a florist's business for many years above Pikesville, on the Old Church Road, with a stand in Lexington market, had his home completely burned out last Monday night; the loss is about $10,000 partly covered by insurance. Several years ago he gave up the florist's line and engaged in the poultry business in which he was more successful. J. L. T.

PROSPERITY! PROSPERITY!! PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with **Araucarias** fine,
With **Ferns** that are better than before;
For **Palms** that are stately should in our windows shine,
So our stores will have patrons evermore.
Let us wend our way to **Aschmann's** and choose the best he grows
(The plants that we need he has galore),
And, as we count our profits, see the end of all our woes,
While hard tires come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.
ARAUCARIA Robusta Compacta, $1.00, $1.25.
ARAUCARIA Excelsa, top cuttings, no seedlings, 6-6-7 in. pots, 3-4-5-5 tiers, 12-15-18-20-25-30 in. high, 40c.-60c.-50c.-75c.-$1.00-$1.25-$1.50.
KENTIA Forsteriana, 4-6-7 in. pots, 20-25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.
KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-35-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.
COCOS Weddelliana, 12 to 15 in. high, 15c.-20c.-25c.
SAGO PALMS, Cycas Revoluta, 6-7-8 in. pots, 5 to 20 leavee to the plant, 10c. per leaf.



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 60c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.; 4-in., 10c.
ASPARAGUS Sprengeri, 2½-in., 3c.
NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 6½-6 and 7 in. pots, 35c.-40c.-50c.-75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 16c.
NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.
FERNS for Dishes, a good assortment, $3.00 per 100.
ADIANTUM Hybridum, 2½-in., 6c.; 3-in., 8c.; 4-in., 10c.
CINERARIA Hybridum, 2-in. pots, $3.00 per 100.
CYCLAMEN Giganteum, 4-in., 16c.; 5-in., 20c.
PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 6-in., 15c.
RUBBER PLANTS, 6-in., 40c.
PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.

Cash with order, please.

All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

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The book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

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American Beauty
White La France
Baby Rambler Red
Baby Rambler White
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Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
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Frau Karl Druschki
Killarney
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Hermosa
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L. Van Houtte
Magna Charta
Mrs. J. Laing
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Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.

Nurseries

QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.

Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries

OUDENBOSCH, HOLLAND

Proprietors { U. J. Heerma Van Voss / H. A. M. Swellengrebel

Write at once to our American Agent:

Leonard Oorthuys

POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

PEONIES

Our Seventeenth Year. Prices Right.

Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.

Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality

Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS

31 Barclay Street NEW YORK

Please mention the Exchange when writing.

K. WEZELENBURG & SON, Hazerswoude, Near Leiden Holland

The Nurseries are situated on the Main Road from Leiden to Boskoop, one hour cab drive from Leiden, 25 minutes' walk from Boskoop.

Hardy Azaleas Hardy Rhododendrons

Magnolias—Collection of 30 Varieties

Conifers, Roses, Clematis, Peonies, Herbaceous Plants, American and Japanese Plants. New, Rare and Choice Shrubs

LARGE Stocks of HARDY EVERGREENS in Different Sizes

Catalogues Free on Application

The Gold Medals and Prize of Honor won by our groups of Forced Plants, Evergreens and Magnolias at the Haarlem Show, speak of the high grade stock we grow.

Please mention the Exchange when writing.

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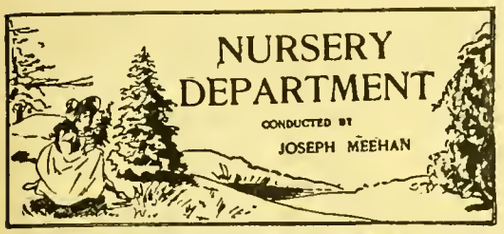

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APPLE TREE WORTH $30,000.—A telegram to the N. Y. Herald from Tacoma, Wash., announces that "An apple tree planted twenty years ago by an Indian near the shore of Lake Chelan is now worth $30,000, that offer being made recently by an Eastern Washington orchard syndicate that desired to propagate the variety. It was refused by the nursery company, which will itself develop the fruit. The tree produces a golden yellow Apple called the 'Chelan.' It is different from any other Washington Apple, possessing exceptional keeping qualities."

[We would suggest a general examination of Apple orchards throughout the country for something equally as good; trees planted by Indians, preferably.—ED.]

Root Pruning Trees in Summer

Hardly any work is of more pecuniary interest to a nurseryman than the root pruning of the trees he grows for sale, especially should the trees be of large size. To have trees that a customer buys live is the best of all advertisements; nothing injures a business so much as a dissatisfied buyer. With this in mind, if not thought of it should be, that the best insurance of a tree living is to root prune it well some time in advance of its transplanting. Oaks and other trees not of the easiest nature to move safely may be relied on to do well when moved if root pruning has been done within a year or two preceding. The reason Oaks and other large trees often fail to live when moved is lack of small roots. If let grow at will from the time of its seedling life, such a tree will have but a half-dozen or less of very large roots. These are not the most desirable kind to furnish food to a tree, the smaller ones are better, and these root pruning gives. When trees are not too large, there are root cutting machines that can be used to sever side roots, but it takes a spade to get at top roots, generally. Effective root pruning may be done by having a plow open up a trench alongside of a row of trees, severing what roots it meets with, then to use the spade for further work, finishing the work of cutting by using a sharp knife, that all roots severed may be cut to a clean surface, instead of leaving a ragged edge. September is a good time to root prune, as it is not too late for new roots to be formed before growth is over, and the growth of the tree itself has been practically accomplished for the season.

It has been recommended by writers that trees be root pruned every year or two, but it seems unnecessary to do it, in the case of large trees, oftener than once in three years. The new roots following each pruning will not have extended very far in three years, not far enough to need cutting back before. If the work of root pruning cannot be done in September it may be attended to at any time between that date and Spring for, though late pruning would not bring out a crop of new roots, if done late the work would be finished for the season following.

Defects of Some Close Growing Evergreens

It is not uncommon to see an Irish Juniper with a partly defective side to it, owing to the digging out of a branch or a small twig, caused by some injury to it. The dead twig or branch is no more than many an evergreen has, and in free growing varieties it often matters but little, not being so glaring as when the evergreen is a compact, close growing one. What makes it so conspicuous is that all the close growing varieties carry their dead foliage on their branches instead of shedding it, and when a twig dies, exposing the dead, brown foliage within, it is very much of an eye sore. With evergreens like the Juniper referred to there is no help for it; but, oftentimes, the close, compact growth is caused by close pruning, which need not have been done. The Irish and Swedish Junipers, the Retinispora squarrosa, and the Juniperus stricta come to mind now as of those that grow too dense naturally. The twigs are so close together and so full of foliage that part of the leaves made annually die before the Summer is over, killed for want of air and light; and foliage killed in this way, no matter on what tree it is, evergreen or deciduous, never falls clear from the shoot when it dies, like all other leaves do that die in a natural way. When a twig of a Juniper dies, there is exposed at once all the leaves that have died for years, massed together so thick that air cannot get through them at all freely; and it is the sight of the dead foliage that disfigures the tree, not the absent twig. With the Hemlock, the Arborvitæ, many Retinisporas and other evergreens, while they can be grown to a pleasing compact outline they are never so dense that their foliage cannot get air, so none of the tree dies before its time; and when it does die it falls clear to the ground. This is why the loss of a twig never disfigures these evergreens as it does those of a close growing nature, on which the dead foliage is retained for all time. It follows that with evergreens that grow dense naturally but little can be done to make matters better; although with some others that are made bushy by pruning the density could be avoided to some degree by letting them grow more as they will. Most Retinisporas are of free enough growth for air to pass through them, permitting the foliage to live its life out and then drop to the ground; but the squarrosa is somewhat of an exception, so that one sometimes sees a fine specimen spoiled by a blemish caused by a dead branch exposing a mass of dead foliage to view. All one can do to the squarrosa and similar evergreens is to let them grow at will as much as possible.

Nurserymen can readily clean up on surplus stock through an advt. in the Exchange.



Pot-Grown Wistária

Cutting Off Fading Flowers and Seeds

There is so much plant energy wasted in the perfecting of useless seeds that one may be pardoned for referring to it again, it seems such a small matter to many. But there is hardly a garden in which shrubs and plants cannot be seen neglected in this way, wasting their energies in the ripening of quantities of seeds, the seeds not required, but left on the plants often for want of thought that there is any loss in permitting them to be fed by the plant. This matter came to mind afresh recently on seeing two large bushes of the new Hydrangeas, arborescens grandiflora and cinerea sterilis. Both had bloomed prolifically and, though the flowers had faded a month previously, the heads were still on, in color greenish brown, of no beauty at all. There are not many seeds to be perfected in these heads of mostly sterile flowers, it is true, but there are some, and all of the fading parts of the inflorescence were being supported uselessly, and should have been cut away as soon as the white color of the flowers disappeared. If these Hydrangeas changed their white panicles to a light pink, such as the H. paniculata grandiflora does, or to any other pleasing color, it would be proper to let them remain undisturbed, but this they do not do. When cut away, the remaining parts of the bush receive the support the cut away parts were receiving before, and will be so much the stronger and better for it.

Rhododendrons are often examples of wrong treatment in the same way. On large, strong bushes, the seed pods do but little visible harm, but on small plants such as nurserymen and florists sell, it is of much consequence that these pods be removed, and, too, as soon as the flowers fade. Many of these plants are but a foot high when sold, yet carrying a half-dozen shoots, each bearing a head of flowers. Seeds always follow, and it tries the plant just as much to perfect the seeds as it did to support the flowers. The seeds picked off as soon as the flowers fade, there will be more chance of a display of flowers the next year than will be the case if it is not done.

In beds of flowers the same lack of thought is often seen, Geraniums and all kinds of plants are allowed to bear seed pods, usually because it does not occur to the one in charge that flowering is hindered thereby, it being thought the cutting away of such decayed flower heads is but for good appearance sake.

Wistarias in Pots

When Wistarias are growing outdoors, with unlimited room for roots and branches to spread, they are many years coming to the flowering stage, but it is not so when they are in pots or tubs, for there as the root-space is limited the plants cannot grow, and instead turn their attention to flowering. Of late years, the Wistaria is seen in collections of hardy shrubs and vines in pots, such as are forced for Easter, and a lovely addition it is, its pendant racemes of flowers adding so much to the beauty of a collection of plants. The Chinese one, Wistaria Sinensis, is preferred to all others.

Whether a plant lifted and potted now would flower next season is doubtful, because the check it would receive in the process would be too recent. A plant to be potted must necessarily be young to start with, not having reached a flowering age, but this age is quickly reached when the plant is checked by potting, and if it did not flower the first season it might be expected to the next, so it may as well be potted to bring about its earlier flowering.

There is no better time to pot the Wistaria than now, for the reason that it is then probable it will make some new roots before the Winter closes in, establishing itself in advance of the forcing into flower it will have to undergo later; and if flowering is not brought about by next Spring it is most sure to be by the season following.

Mention has been made of checking the Wistaria by potting it, but this checking can be accomplished by root pruning it in the nursery rows if desired; indeed, if it be proposed to force it another year it would be the proper thing to root prune it now.

So long as the Wistaria makes but long shoots it will not flower; it is only after it becomes somewhat branched that flowers come, although after they do start there is a display every Spring.

Fall Pruning of Evergreen Hedges

Florists and others having the care of customers' hedges, as many have, should give them a pruning in late Autumn, for the last one of the season. And should the hedge be an evergreen one, the work must not be delayed long after growth stops for the season; nor should pruning be too close. All pruning tends to expose the inner growth, which is not well hardened as the outer part is, and if cold weather sets in shortly after a shearing the inner growth is apt to suffer by its exposure. In the vicinity of New York City the pruning of evergreens, whether single plants or in hedges, should be finished by the first week in October. This would give a month or six weeks before the commencement of freezing weather, by which time the exposed foliage would become seasoned. It is not alone the frost that hurts tender growth; high winds and sudden light all tend the same way, for which reason it is wise to have two or three prunings a season, much as it is found Privet hedges require.

Arborvitæ and Hemlock hedges, because of their small leaves and twiggy growth, become so dense at times that air can hardly pass through them, and it is these two that are more apt to be injured by late pruning than a Norway Spruce hedge would.

One of the best Hemlock hedges the writer remembers seeing had three prunings a year. The first one was in June, when growth was still vigorous but past its prime; the second one was in early August, which brought the hedge into a good outline; the third was in late September, when growth was over, and then the hedge was given a good smooth surface for the Winter.

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ROCKLAND, ME.—The Billings greenhouses and florist business have been sold to Walter O. Frost of Munising, Mich., who will carry on the business.

HAMPDEN CITY, MD.—E. N. Fiedler has opened an uptodate retail florist store, the first to appear here, at 517 Third ave.

Detroit

Last week's business cannot be considered as being up to standard in volume, the people being apparently too busy buying school books and getting settled down from vacation time.

Asters of the best quality have about passed but some very good stock is yet coming in which, in the almost total absence of Carnations, is much sought after. Roses are considerably improved in quality but the supply is very short.

All the boys are busy planting Carnations; some of them have the additional burden of caring for the truckloads of bulbs now in daily receipt.

Within the next two weeks decorative plants will begin to earn their keep, and they will be carted from store to store to lend special embellishment to Fall openings. Besides these annual affairs several large weddings have been booked.

Robt. Klagge of Mt. Clemens on his last visit gave some strong signs of his firm believing in a good season this Winter. He is now erecting a two-story storage house, 150x40 ft., the first story being concrete, the upper one timber and brick. He has 300,000 Dutch bulbs, 100,000 Lilium Formosum and over 1,000,000 Lily of the Valley pips on the way. This year he will grow less Carnations than usual, devoting his space principally to Roses. His many bulbs will be grown in those houses which are now filled with 25,000 Chrysanthemums, and most of them will be grown with three flowers to the plant. FRANK DANZER.

DANVILLE, ILL.—Harry A. DuBuis, manager of the Danville Floral Co., was married on Sept. 5 to Miss Sadie Spacey of Catlin.

OLEAN, N. Y.—Dana R. Herron has rented the store formerly occupied by J. W. Meloy, grocer, and will fit it up as a first class florist store.

WICKFORD, R. I.—Peter S. Byrnes is having his greenhouse, located opposite to his own property on west Main st., removed to his own location, near his new greenhouses.

BUFFALO, N. Y.—An exhibit of photographs of recent table decorations by W. J. Palmer & Son, of this city, have been awarded a first prize medal at the Toronto Exhibition.

Coming Exhibitions

Boston, Mass., Sept. 16, 17 and 18.—Third annual exhibition of the New England Dahlia Society, to be held in Horticultural Hall. Schedules are to be obtained from Loring M. Bates, West Bridgewater, Mass. Additionally, the exhibition of the Mass. Hort. Soc., which follows on Sept. 22 to 24, will doubtless attract many Dahlia exhibits as liberal prizes are being offered in this class.

Boston, Mass., Sept. 23, 24 and 25, 1910.—General Autumn Exhibition of the Massachusetts Hort. Society at Horticultural Hall. Wm. P. Rich, secretary.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., Sept. 17 to 19, 1910.—Autumn Exhibition Newport Hort. Society. Palms, decorative plants, cut flowers, Dahlias, fruit, etc. Daniel J. Coughlin, rec. sec., Bellevue ave., Newport, R. I.

New York, N. Y., Sept. 20, 21, 22, 1910.—Seventy-ninth Fair of the American Institute. Exhibition of Plants, Flowers, Fruits, Vegetables and Farm Crops in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

Grand Rapids, Mich., Sept. 27, 28 and 29, 1910.—Meeting and Exhibition of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. S. W. Severance, Louisville, Ky., secretary.

Glen Cove, L. I., Sept. 28.—Dahlia Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Sept. 22-23, 1910.—Dahlia Exhibition of the Connecticut Horticultural Society, at Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

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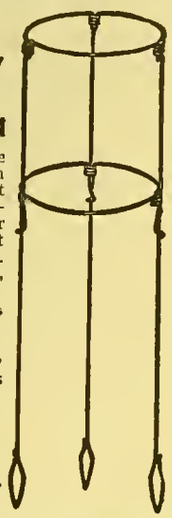

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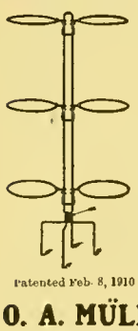

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The Week's Work

BY
FRITZ BAHR

Chrysanthemums

Care of the Stock When the Buds Have Set

We are arriving at the point where a little different treatment is required with the 'Mums from what we have been giving them. Crown buds taken of the early varieties for the last three weeks are getting larger very day, while the plants apparently have stopped growing. Even the later varieties are setting bud, so from now on with any such it isn't any longer a matter of producing a good growth, but rather do the best we know in order to have the buds develop into good flowers. This, to begin with, will mean not to allow any buds or side growths of any kind to take away nourishment which the selected bud, whether crown or terminal, ought to have. Don't imagine that because you were over the benches last week and carefully removed every superfluous growth in sight the work is completed! It is not by any means. This work will keep up until color shows, and is as important as anything you can do, if first-class flowers are wanted, and we always get enough second class ones, even with the best of care. Watering and spraying should also, from now on, be done with greater care than heretofore. On real hot days spraying the foliage during the noon hours will refresh the plants, and is of benefit, but to allow the leaves to be wet over night is wrong; it will have a tendency to produce mildew, fungus or other trouble, besides, a too moist atmosphere over night or even during the daytime is not the proper thing for a Chrysanthemum to flower in; it requires light, plenty of sunshine, and a good circulation of fresh air, conditions bound to result in the rather dry atmosphere necessary to bring a Chrysanthemum flower, which often requires weeks from the day color shows until fit to cut, to perfection. Don't allow the benches to get too dry; the plants which have been growing uninterrupted since last May can't stand it. Everytime they wilt for the want of water you check them. That is bad, and bound to tell on the flowers later. Keep your eyes open, and apply water whenever the stock needs it, whether morning, noon or evening; but if there is a chance to water before noon, so much the better.

Shrubs and Evergreens

An Important Branch of the Florist Business

The handling of hardy stock by the florist has become, with many of us, an important branch of the business. While, usually, the landscape gardener is called upon to lay out and furnish the plants necessary to lay out extensive grounds, the local florist should keep in stock a good assortment of hardy stock, in order to supply the ever increasing demand in this line; for even on grounds with only a limited area such stock is being made use of more and more with each season, and the sooner those who have not already pushed this end do so the better. To cater to this branch does not mean simply to plant out a few rows of Hydrangeas, Barberry, and, perhaps, a few evergreens; what is of far more importance is to do a little artistic planting on your home grounds, or place of business. If short on room, rent a piece of land and use it for a show place. Plant for effect. All the advertising you might do in your local paper or otherwise isn't in it as regards results from your show grounds, located somewhere where people can see them. Irregular borders, with a background of shrubs, and clumps of perennials near the edges, groups of evergreens, samples of hedges, shrubs and evergreens, when properly laid out and attended to will land an order quicker than by any other means. This is a good time of the year to think about such work, and also a splendid time to get busy.

Notes on Hardy Plants

The Proper Time for Fall Planting is Here

From now on until the frost makes planting impossible, perennials, as well as quite a number of biennials, may be transplanted, but the sooner you get at the work the better—at least for plants such as Peonies, Iris, Delphiniums and all such as are expected to bloom next Spring. While the flowers on a Peony or Iris planted now may not amount to very much next Summer, it



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means a great deal, when trying to land an order, to be able to say to your customer that the stock will bloom, and you can truthfully say so if you have strong stock on hand. But get it planted early enough this Fall to allow the plants to become reestablished before the Winter sets in. With such plants as Hardy Asters, Heliopsis, Helianthus, Platycodons or Phlox later planting will do. Any of the late flowering perennials will even show to advantage the first season, if planted in Spring, but the early flowering ones are better off when transplanted the previous Fall. We planted out for one of our customers last Fall several dozen of Foxglove (Digitalis). They were carefully lifted the second week in September. During the Winter months the owner decided to enlarge the border the plants were in; this meant an additional two dozen Foxgloves, which were planted the last week in April. Both lots of plants had the same treatment, but there was the greatest difference when the plants bloomed; the second lot wasn't in it as far as size of plants and flowers were concerned. Perennials will grow and do fairly well in most any soil; but to have them do their best requires well prepared and drained beds or borders. If you are to figure on furnishing and planting a certain number of plants, don't overlook the preparation of the soil. Oftentimes, especially where heavy clay soil exists, it costs as much as or more to prepare the bed than the plants you are to plant.

Poinsettias

Light Firing in Order Now During Cold Nights

I really ought to head these notes with "Heating," instead of "Poinsettias," for that is what I want to write about; but the Poinsettias, perhaps, more than any other plant the average retail florist grows, are affected during the cold nights which we shall have from now on, off and on, until real cold weather comes for good. There are only too many of us who suffer each year on account of poor management in regard to heating the houses, and right now is a time when we usually fall. How many nice young Roses, covered with glossy, well formed foliage, get their first dose of mildew during the next month and "Bill" will hunt up the sulphur bag and the blower the next morning to get rid of it. There is nothing worse for Roses, Poinsettias, Palms, Ferns, or most other stock, including even cold house plants than sudden changes in the temperature at this time of the year. While in the greenhouse usually one finds in the houses on such occasions a cold, moist atmosphere, and that is ruinous to many plants; the thing to do is to get busy with the boilers; get the pipes lukewarm; keep the ventilators open, so as not to run up the temperature, for that would be wrong; to avoid dampness should be the object. The present is, indeed, a critical time with many plants, and the little coal it takes to heat up now should not be taken into consideration—it would be "penny wise" to do so. If you want, to an extent at least, to avoid yellow leaves on the Poinsettias later on, get some of that moisture, which is underneath the benches in the soil and woodwork from daily watering, out by light firing. Your 'Mum house or the Carnation house even, won't suffer; and when it comes to Roses, if properly attended to now by proper ventilation and a little heat you can get the stock in shape so as to stand a temperature of 50 degrees, even lower, during the cold of Winter, without any bad effects. Up to this time the weather man has done the growing; from now on, however, it is up to you.

Oriental Poppies

A Most Desirable Perennial for the Hardy Border

While visiting the nurseries of Jackson & Perkins at Newark, N. Y., during the convention week at Rochester, besides having the pleasure of feasting our eyes on acres of that useful florist's flower Hydrangea arborescens, or Snowball Hydrangea, and a block of seventy thousand standard Hydrangeas, we noticed a splendid lot of Oriental Poppies in the nursery rows, and the man in charge informed us that they had no trouble in transplanting them in the Spring from the seed beds. Their sandy soil may have something to do with this, for, with us, even with the greatest of care we lose 90 per cent. if we do not stick to pot culture. Poppies and Mignonette are alike in this respect. We have found that by sowing seed now and keeping the young stock growing inside during the Winter months, with several shifts, they make excellent stock for planting into the hardy border of the customer by next April. They flower the first season, and while in three weeks they are all through blooming, their color and flower is so different from anything we have in the perennial border that they gain admirers every year. There is quite a difference in color in plants grown from seed, and only the very best scarlet should be selected for flowers to be allowed to go to seed. When sowing, use care, for the seeds are very small and really do not require covering with soil. Sow thinly, in a flat; every seed will germinate. As soon as large enough to handle, pot the seedlings into 2½'s, shade a little for a few days, and you will have no more trouble. A Violet house temperature during the Winter months is the proper thing for the plants.

Pittsburgh

The September meeting of the Florists' Club was unusually well attended, the private gardener element being better represented than for some time. The subject for the meeting was Gladiolus and Phlox, with exhibits, but of the former, for some reason or other, not one flower was shown. Dreer's of Philadelphia sent a nice collection of cut hardy Phlox; some fine blooms were in the lot, although these are not lasting when cut and do not show to advantage.

N. McCallum, who has charge of one of the city's parks, showed some interesting blooms of various kinds. Fine blooms of Nelumbium speciosum were shown. M. Harris, gardener to Dr. Shafer, an Orchid enthusiast, showed results of cross fertilization of Brasso-Cattleya Marianæ, Lælio-Cattleya callistoglossa and Fabia, Brasso-Cattlælia Veitchii, Phalænopsis and Dendrobium Schrœderi.

As a subject for next meeting Dahlias were recommended.

Messrs. Burki, Randolph, Jones and Ludwig spoke about the S. A. F. convention, describing the novelties in plants and the exhibition in general; they also praised the Rochester florists for the kind treatment received. A committee was appointed to look around for a more suitable room in which to hold the meetings, to report at the October meeting.

John Bader is still away from home visiting relatives in Kansas.

H. Papworth of New Orleans was a recent visitor in the city. H. Bayersdorfer, of Bayersdorfer & Co., Philadelphia, was also here.

The J. B. Murdock Co., wholesale cut flower dealers, moved from Penn. ave. to Ninth st., a few weeks ago, bringing them a little closer to the North Side boys.

P. S. Randolph, of Randolph & McClemens, has purchased a tract of land, about eight acres, near their present place, which will be planted in hardy shrubs, etc.

Business is very slow; funeral work is about all that's doing. In cut blooms, Asters and Gladioli are the mainstay, the former being very plentiful and cheap. Carnations are scarce and of poor quality. Roses are fair. Wedding orders are beginning to come in and, by next month, more will be doing.

Another new florist's store is to be opened up in the East End by the beginning of October, particulars a little later on.

E. C. REINEMAN.

Lithographs Received

P. VAN NOORDT & SONS, Boskoop, Holland.—Colored prints of Azalea ledifolia var. van Noordtiana (Wittmack).

New Periodicals

It has been announced that on Oct. 1, 1910, the first number of "Landscape Architecture," a quarterly magazine devoted to the interests of the profession, and serving as the official organ of the American Society of Landscape Architects, will be published by Chas. D. Lay, H. V. Hubbard and Robt. Wheelwright, with office at 103 Park ave., New York City. Subscription price $2.00 a year.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

It is a sign of the inclination of the times toward a country life when it is to be noted that, excluding works of fiction, the N. Y. Public Library reported among the leading books in demand for the week ending Sept. 13, Maynard's "Small Country Place," and Hall's "Three Acres and Liberty," these two books being respectively third and fourth in the lead.

The Fall Exhibition of the Horticultural Society of New York

The Fall exhibition of this Society will be held at the American Museum of Natural History, from Wednesday, Nov. 9 to Sunday, Nov. 13, inclusive. The American Museum is ideally located in one of the finest residential parts of the city, occupying that portion of the park which extends from Central Park West to Columbus ave., and from 77th to 81st sts. Those who have visited the exhibitions of the Society in the past know of the unsurpassed facilities offered by this museum for the artistic display of plants and flowers, and it is hoped this Fall to add to these many who have not visited them or exhibited before. All are welcomed as exhibitors, whether members of the Society or not. The exhibition halls are wide, well-ventilated, with ample light both day and night. The space at the disposition of the Society is ample, so that all may feel free to bring as much material as is desired. The museum halls are constructed to accommodate crowds. Last Fall the exhibition was visited by nearly 38,000 people during the four days in which it was in progress.

Schedules of classes and premiums are ready for distribution, and a copy will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. The secretary will also be glad to answer any inquiries in regard to the exhibition.

The prize offerings are very liberal, although this feature should never be the deciding factor as to whether to exhibit or not to exhibit. All in any way interested should at once send for a copy of the schedule in order to be fully prepared to help make this forthcoming event a big success.

It is to be borne in mind that as no admission fee can be charged, owing to the building being the property of the city, a large attendance is assured, making for an advt. of the highest value for future business.

In the schedule, Chrysanthemums as plants and cut flowers are well provided for, as are also Roses, Carnations, foliage and decorative plants, Orchids and fruits and vegetables. Diplomas are offered for decorations and floral pieces; our retailers certainly have an opportunity provided in these competitions of making their names known and it is to be hoped they will take full advantage of that fact.

Chrysanthemum Society of America

The exhibition and meeting of this Society will be held on the dates scheduled, Nov. 2-4, at the Morris Co. Golf Club, Morristown, N. J. The new quarters were necessitated through the burning of the Whippany River Golf Club house a short time ago. The premium schedule is completed and will be ready to mail in a few days. The exhibition is to be held in conjunction with the annual exhibition of the Morris County (N. J.) Gardeners and Florists' Society. For copies of the schedule application should be made to Edward Reagan, Box 334, Morristown, N. J.

New York Florists' Club

The first meeting of the New York Florists' Club after the Summer intermission was held on Monday evening, Sept. 12, at the Club's quarters in the Grand Opera House Building, Twenty-third st. and Eighth ave. President A. L. Miller occupied the chair and there was a good attendance. F. H. Traendly, for the transportation committee, and H. A. Bunyard, for the outing committee, reported progress, and promised complete reports at the next meeting. W. F. Sheridan, for the essay committee, announced that at the next meeting J. H. McFarland of Harrisburg, Pa., would give a talk, to be illustrated by lantern slides, the subject to be announced later.

Maurice Glass, Robert J. Young and P. J. Smith were elected to membership in the Club. Mr. Young and Mr. Smith were present and gracefully acknowledged their election.

The following nominations for membership were made, election to take place at the next meeting: Robert McNiff, 62 Vesey st., New York; H. A. Philpott, Winnipeg, Man.; W. F. Shea, of Doubleday, Page & Co., New York; E. T. Bloomfield, of Suburban Life, Harrisburg, Pa.; John Collius, Orange, N. J.; E. Leuly, West Hoboken, N. Y.; F. Marquardt and John Baumann, Middle Village, L. I.; Geo. W. Crawbuck and Geo. Wegner, Brooklyn.

President Miller, reporting for the committees having in charge the establishment of a flower and plant market at Queensborough Bridge, reported that the matter was still in the hands of the municipal committees, although he believed it had been decided to grant the market to the florists. He expected that the matter would very soon come before the board of estimate for final determination. The joint committees of the trade organizations, he said, would have a meeting in a few days, and a report would be made at the next meeting of the Club.

W. J. Stewart called the attention of the meeting to the death, recently, of Lyman B. Craw who, for many years, had been a member of the Club, and moved that a committee be appointed to draw up suitable resolutions for presentation to the Club. The motion was carried, and President Miller appointed Mr. Stewart, C. B. Weathered and F. R. Pierson as the committee.

Robt. E. Berry brought up the subject of the establishment of a bowling club which should be representative of the New York Florists' Club in every way. The subject evoked much discussion. J. A. Manda, Jno. Birnie, Jno. Donaldson, J. A. Shaw, C. B. Weathered, P. O'Mara, J. B. Nugent, F. R. Pierson, Wm. Duckham and F. H. Traendly all took part in the discussion, each in favor of such a club, and most of them recommending that the Club contribute toward the expense of preparing a team for the Baltimore convention. Finally, J. A. Manda moved that the president appoint a committee to look into the matter and make a report before the close of the meeting. The committee ultimately reported that it was possible to form a bowling club on the lines brought out in the discussion and that the nucleus of such a club had that evening been formed, with 18 members. It was also announced that F. R. Pierson had offered five bowling balls to be awarded as the committee might see fit, either one ball for the highest man on each team competing for the Baltimore representation or the five balls for the leading team in such competition.

The committee on awards reported on two exhibits before the Club that evening. A staging of six plants in bloom of Clerodendron Fallax by Harry Turner of Castle Gould, L. I., was awarded 85 points in the competition for the Hitchings cup. The plants were well done and were quite an attraction. A vase of six blooms of Chrysanthemum Smith's Advance, staged by Elmer D. Smith & Co., Adrian, Mich., was awarded a vote of thanks.

Several members then made short addresses covering their views and experiences of the Rochester convention, some of which were quite amusing. F. R. Pierson, the S. A. F. president, expressed himself as highly pleased with the convention in every particular, and thanked the Club for the hearty support its members had given him throughout, and particularly for their gift of a handsome gavel at the opening of the convention. He hoped the next convention would be just as successful, and stated that he would be pleased to do any thing in his power to help the Club to take a good delegation and a first-class bowling team to Baltimore next year.

Mr. O'Mara said that what happened at the convention was now a matter of history. The trade papers had supplied so much information in their convention reports that there was really little to add. Personally, he thought it was about as good a convention as had ever been held. Judging by the vote on the next place of meeting he considered the voting attendance was much larger than at Cincinnati; and in his opinion the actual work done surpassed some of the standards. The trade exhibition he thought was most complete and demonstrated the growing importance of the S. A. F., regardless of the fact that smaller societies have been organized and are supposed to take away some of the interest that should attach to the parent body. Rochester and her florists' club had certainly covered themselves with glory; he did not remember any convention city where the hospitality of the local club was more plainly shown. "I want it to go on record now," he said, "that we tender a hearty, standing vote of thanks to the Rochester Florists' Association for the hospitality it accorded us at the convention." Continuing, he spoke of the part the Club's delegation had played in the business of the convention, resulting in the accomplishment of what it had set out to do in, practically, every particular. After leaving the convention, he said, he visited Ithaca, where he spent some time with Prof. John Craig and Prof. L. H. Bailey. One important matter discussed was the effort to be made to obtain a State appropriation for a range of glass wherein experimental work in floriculture and horticulture could be carried on, in the interests of the trade. A small range was already in use at Cornell, for teaching purposes, but the contemplated range was entirely outside of that. He was satisfied, he said, that if the florists were properly organized and the project presented in a proper way before the Legislature, it would go through and the range be established. A man embarking in any specialty in commercial floriculture must be sure of his lines and know the pitfalls, and a lesson from the University would point to them at the outset. He hoped the various clubs would take the matter up as it deserved.

The vote of thanks to the Rochester florists, moved by Mr. O'Mara, was then passed with enthusiasm.

Harry A. Bunyard, R. E. Berry, W. J. Stewart, J. A. Shaw, J. H. Pepper and F. H. Traendly also made short addresses, the latter expressing his belief that circumstances at the convention would seem to justify the appointment of a "matrimonial committee" by the Club next year.

There will be a meeting of the newly formed bowling club of the N. Y. Florists' Club, at the office of Traendly & Schenck, 131 W. 28th st., on Saturday, Sept. 17, at 3 p.m., to effect organization. All interested are invited to attend. After the meeting bowling will be indulged in.



BY EBER HOLMES

Bringing Plants into Crop

The young stock should be large enough by this time to allow a few flowers to be cut from it. A few of the best buds may be allowed to develop, still pinching off the buds from the smaller wood. This helps to build up a plant, and when the flowers are removed there is not such a shock resulting as when all the flowers are removed at once. The smaller plants may be disbudded up to the time that they catch up to the larger ones, when they will be in good shape for the Winter's work.

If flowers are desired for special occasions, eight weeks should be allowed in Midwinter after the final pinching, and then the crop must be watched closely or it will not be in at the right time, for weather conditions vary from year to year. A good plan is to start the plants at intervals of two weeks, dividing them into as many lots as needed to keep up a regular supply. They should be kept neatly tied, using the string in such a manner that the bark will not be cut or the foliage bunched. Tie the shoots in for support only, leaving room for the sun and air to get in among the plants and on the beds. If there is much blind wood a little may be cut away, and a stimulant applied to induce new breaks of a stronger growth; but it is not wise for beginners to apply the pruning knife to young stock, or more harm than good may result. As a rule, these plants need all the foliage they have made up to this time.

The plants should be carefully and thoroughly syringed as often as the weather permits, doing this work as early in the day as possible, so that the foliage is dry by nightfall. There should be no red spider visible in a Rose house now, or trouble will result very soon, as syringing can be practiced but little in the short days of early Winter.

Look Out for Mildew

A close watch must be kept for mildew at this time, as with the changed conditions from Midsummer's sun to an

atmosphere which induces a softer growth it is liable to become prevalent if unchecked. Air should be left on all night, but a little steam will be required for a few hours each night. If too warm to keep steam on all night, a few hours before midnight and then again just before daybreak will keep the houses in good condition. If the houses are closed without fire heat you will notice a dew covering all the foliage, very beautiful to look at but several nights of this treatment will soon do much damage. If mildew appears, pick it off and burn it before it has a chance to spread; and keep sulphur painted on the heating pipes.

If the beds are getting full of roots care will have to be exercised in cultivating, so as not to break any of them. The beds may be rubbed over lightly with the fingers.

Grubs and Insects

If any grubs exist in the soil look for them and destroy them. The white grub, which is the larva of the, so-called, June bug, is troublesome in some places. It has probably got in its work before this, but may be still at work. It eats off the roots, causing a fine healthy young plant to wilt and die. If such is noticed, dig around the plant as soon as seen, and if you catch the grub it is often possible to save the plant. A few good plants left over in pots, or planted out, are useful in filling up any vacant places. The greenfly will put in an appearance about this time. It is little in evidence under the scorching sun of Midsummer, but as soon as a more humid atmosphere prevails it multiplies rapidly. Commence to fumigate before the fly gets established and you will have little trouble from it. Close the house tight on a still night, when the atmosphere inside is moist, to get the best results in fumigating. The house may be opened again late in the evening, when it is time to turn on a little steam.

Feeding the Young Stock

It is rather early to feed young stock, unless an experienced man is in charge. Sometimes the plants get indigestion from this cause. If the beds are full of roots and the soil thin, it will be well to apply a fine sprinkling of bone meal, not more than 10 lbs. to every 200 sq. ft. of bench surface. This may be rubbed in lightly with the fingers and then covered with one or two inches of equal parts of good cow manure and loam, and well watered. If any dry places exist in the soil they should be picked out and watered before applying the bone meal, as it is hard to detect them after the top dressing is on. Be careful that the beds do not get too wet with the after waterings.

Ventilation

Ventilation will require careful watching at this time of the year. The sun is still strong enough to raise the temperature too high early in the morning, unless sufficient air is given; and the evenings are getting cool enough to make the reducing process towards evening important. The art of ventilating is to put on air gradually, so that the rise in the houses is gradual up to noon; and it may fall after noon to sunset in the same way. Never put on enough at one time to lower the temperature inside, but anticipate the rising temperature and keep pace with it, when giving air, and reverse the process in the afternoon.

Starting Old Stock

The old stock carried over may be started up about the last of this month; the plants will flower for Thanksgiving, or, if they are pinched when they break and the shoots are about 6 in. long they will come in about right for Christmas. We have had very good results after cutting them down, but little at this time of the year, leaving them 30 in. to 3 ft. high. Earlier in the season we cut them down lower. We have left them standing upright and we have tied them down, but can see little difference in the results. When tied down they are not so easy to clean and work among. After pruning, scrape off the top soil, put on a good sprinkling of bone and cover well with good cow manure and loam in equal parts. Water this well by going over the ground two or three times and then repeat the watering the next day in the same manner, to get the bed thoroughly soaked; after this no more watering will be needed for a week or so; but the tops must be sprayed several times daily to induce them to break. As the plants grow they will require plenty of water at the roots, but careful examination will be necessary to determine how much water is required and when to apply it.

Preparing for Winter

It seems hardly necessary to speak of the importance of being prepared for Winter, and yet this preparedness is so often neglected that it is worth mentioning. All painting and glazing should be finished by this time, the steam pipes and boilers put in running order, flues in chimneys cleaned out, manure tank cleaned out ready for a new start, and all work of a similar nature attended to. The soil intended for Winter use should be piled up in such a way that it will not become water soaked if it has to stay outdoors for some time yet, for once it gets in this condition at this time of the year it is hard to get it in good shape before Spring. The sod intended for next year's use should be plowed over and left in this way, when it will be in good shape to work early in the Spring. Stock, inside, that is old or well established, will require liberal treatment, and a manure watering once a week, if the beds are properly drained, will be of benefit to such stock.

The Boston Spring Show

Remember the big show in Boston next March. Lay your plans now to capture some of the valuable prizes, and by your presence and exhibit to help make this the best meeting that the American Rose Society has ever had. There is great work to be done and the help of every man is needed as never before.

Out of Politics

Mayor Philip Breitmeyer of Detroit was beaten at the Detroit primaries last week in the struggle for the republican nomination for the mayoralty, and says he is through with politics.

Side Benches Touching Concrete Walls

Are there any important disadvantages in building side benches close to concrete walls? That is, without air space between. These are desired for a show house, 40 ft. wide, with side lights. Heating mains to run overhead, and returns under the benches.—F. C. T., N. Y.

—Side benches should never be built close against the side wall. There should be from 3 in. to 4 in. space allowed for the circulation of air, otherwise the plants on the side of the bench next the glass would be chilled.

JOHN A. PAYNE.



Geo. F. Browne

President Detroit Florists' Club

George E. Browne, the newly elected president of the Detroit Florists' Club, has already captured the hearts of all its members; although well liked for his never failing willingness to advance the Club's welfare, his full strength and ability was not recognized until his well-timed speech at his installation, in which he explained the benefits from and the duties to the Club on the part of each and every member.

Born in Greenfield, near Detroit, July 31, 1870, he attended the public schools there and followed his father's business as carpenter. Young and full of ambition, he gave the call of the West a listening ear and left his home in 1889. Soon, though, he was convinced that Detroit was good enough for him as well as for many others but, desirous of gathering more knowledge, he returned in 1890 and, entering the Normal School in 1892, he graduated in 1893. The knowledge there gained he put at once to practical use as a school teacher in his home district.

In 1898 he entered the greenhouse business, starting moderately with growing Lettuce, but the year 1903 found him a full-fledged Carnation grower, which branch he adheres to today with signal success.

Mr. Browne was married in the year 1902 and is the father of two children. A charter member of the local club he was always on hand when wanted and it is, therefore, not to be wondered at that all the members are glad to rally around the flag under his leadership.

FRANK DANZER.

Germs that Spoil Soil

At a recent meeting in Sheffield, Eng., of the British Association Drs. Russell and Hutchinson, who have long been experimenting in soil fertility, announced the discovery of the micro-organism which destroys the bacteria essential to the fertility of the soil. A subsequent speaker declared that this was the most important agricultural discovery in fifty years.

[If there is any truth in the above, which we copy from a New York paper, the facts in the case will be awaited with more than ordinary interest.—ED.]



Trade Societies—Trade Papers

Your remarks regarding the multiplication of horticultural trade societies, in last week's issue, are very much to the point, and should the work which is being done by the several national societies, each for their specific favorite flower, be taken up by the S. A. F. and O. H., it would certainly be a step in the right direction and a means of saving both time and money.

And, by the way, could not the same rule be applied to the trade papers? Why should the reader, to get the news and instruction which he wants, have to have page after page of the same ads placed before him in the three or four papers which he takes each week? This we say not so much in the interest of economy of money as of time. Personally, we would rather pay $2 a year each for two papers having all the news than to pay $1 a year each to four papers having the same amount of news and a great duplication of advertisements.

Newport, R. I. ALEXANDER MACLELLAN.

[For the benefit of our intelligent correspondent who perhaps thinks he has us "hoist with our own petard," as well as for the enlightenment of other readers who may not look very deeply into the matter, we will discuss the issue raised from our point of view:

The work of the several national societies is, to a great extent, altruistic, in plainer words the members work together for the common good. Commercialism must necessarily be a factor in a trade organization but collectively the societies are not seeking to make money, therefore cannot be classed as business ventures. On the other hand, the trade paper is first, last and all the time a purely commercial venture and that one which can best serve the interests of its readers and advertisers naturally will occupy premier position. Broadly speaking, a successful trade paper is a clearing house for its customers, a medium for the transaction of business, in return for which it receives a commission none too great, as competition, in the present case, at least, keeps both advertising and subscription rates lower than they would otherwise be.

Just why any person should subscribe for all four papers is beyond us; in fact, we know that comparatively few do. It is most creditable to the trade, however, that so many do subscribe for two papers.

As to the advertising duplication mentioned by our correspondent, no sane publisher would seek to exercise any compulsory measures toward an advertiser, therefore such duplication as may be found (and there is not so much of it, after all) is there, in all likelihood, because the advertiser knows that it pays him. When the advertiser finds this not to be the fact he will patronize but one or two of the trade papers (those which have brought him the best returns) and increase his advertising therein proportionately.

There are many other points of difference, the most notable of which perhaps is that co-operation is the need of any society, while the competition of the trade press ever spurs the publishers thereof to renewed endeavor, the result of which is increased service to the reader. Co-operation, resulting in the suppression of two or more of the trade papers with a consequent raise in both subscription and advertising rates, would be characterized as a Trust, and that word is not now a pleasant one to Americans.—ED.]

Hardiness of Pomegranate

Editor The Florists' Exchange:

I notice in a recent issue of The Florists' Exchange Mr. Meehan's inquiry as to the hardiness of the Pomegranate. I have two which were planted out in a somewhat sheltered situation, in the Spring of 1909. They both came through the Winter in good shape and have made a good, strong growth this Summer.

The climate of eastern Long Island, where I am located, is milder than that of places farther inland in the same latitude; but the thermometer indicated zero on two mornings last Winter.

Southampton, N. Y. WM. F. HALSEY.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Addreas your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Before leaving the consideration of eave plates we might call attention to a plate known as the "King semi-iron eaves," shown in Fig. 78. The chief difference between this and the wood eave plate shown in Figs. 60 and 62 is that the roof bars are secured to this eave plate by means of iron brackets, which are screwed to the inside of the wood plate, and just immediately beneath these iron sash bar brackets is placed an angle iron drip gutter. Where the pipe post occurs which supports the eave plate the post top is formed in such a way that it receives the roof sash bar so as to avoid the necessity of using a separate iron bracket or clip at this point. It will be seen that a bolt passes directly through the eaves plate and lug provided in the post top, firmly securing the eaves in place.

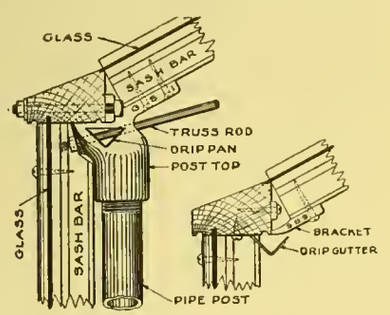

Fig. 78—King Semi-Iron Eave Plate

It will also be seen that the tie or truss rod used in connection with this type of semi-iron frame house passes directly through the post top, terminating in a nut similar to that described in connection with the rod J in Fig. 76. This tie rod extends to the upper part of the house, passing over and terminating at the post top on the other side, thus drawing the structure together and overcoming the tendency to spread when the side posts are not of sufficient strength in themselves to withstand the weight of snow or pressure on the roof. This is especially desirable where the sides of the house are made 8 ft. or 9 ft. high.

The angle iron drip gutter extends from post to post and the water of condensation which collects in the same is carried off through each post. These posts are placed from 8 ft. to 8 ft. 4 in. apart, depending on the width of the glass used.

The advantage of this plate is in the fact that the roof bar brackets may be screwed to the eave plate at the required centers, depending upon the width of glass used, and it is then a very easy matter to secure the roof bars to same by means of the wood screw; and as the bars are cut off square at the ends it avoids the labor necessary in connection with the ordinary wood eave plate, in the fitting of the roof bars to same. The addition of the galvanized angle iron drip gutter is a desirable feature.

This plate was put on the market by the manufacturers of the curved eave shown in Fig. 77, and emphasizes the fact that they appreciate the value of the drip gutter; but, irrespective of these advantages, the fact remains that it is a wood plate and therefore not ice clearing or durable, and the amount of shadow which it casts is an objection; it, therefore, is not at all to be considered in connection with the curved metal eaves manufactured by the same people, or with other iron eave plates on the market.

The next point of interest in connection with semi-iron frame constructions is the matter of sills and base plates. Until quite recently these were always made of the usual wood type, shown in Fig. 64 and 69, and No. 12 and No. 13 in Fig. 45 which illustrate the approximate form of wood sill. The approximate form of the wood base boards are illustrated in Figs. 60 and 62, and No. 15 and No. 16 in Fig. 45, but the better and more recent constructions use an iron sill, and where wood siding is used a galvanized iron base plate replaces the old form of base board at grade.

Fig. 79 shows a form of cast iron sill which is used quite generally where concrete walls are used, extending from sill to grade. The cast iron sill, S, is made about 4 in. wide and about ¼ in. thick, and is placed in lengths to extend from post to post, which are placed at an approximate distance of 8 ft. to 8 ft. 4 in. apart, depending upon the width of the glass used. The drawing shows the sill used in connection with flat iron post, E; this is made of about ½ in. x 3 in. iron and the end of each sill is securely fastened to the posts by means of lugs and bolts.

The drawing shows a concrete wall, T, 4 in. thick, from the grade line to sill, and extending from post to post are iron rods, R, which are put in place before the concrete is put in the forms. These rods form a strong reinforcement for this wall which, owing to the fact of it only being 4 in. thick, is rather weak, but it must be borne in mind that the wall has no weight to carry except its own, for which it is sufficient. These rods are only necessary to brace the wall against any unusual lateral thrust.

It might be well to state at this time that a concrete wall 4 in. thick without an air space is not desirable, as the material is so porous that in extreme Winter weather there will be formed a sheet of ice on the inside of the wall. The thinnest concrete wall, without air space, which it is desirable to use is 6 in., and this wall could be made this thickness still using the 4 in. iron sill, by means of an offset on the inside, shown by dotted line, X. If the wall can be built 4 in. thick with an air space it will overcome the difficulty above referred to and would certainly be desirable.

The drawing shows side ventilating sash, W, which meet against the rabbet of the sill. Where solid glazing is used, a wood sill takes the place of the bottom rail of sash, W, fastened by means of iron lugs to the cast iron sill, S. This cast iron sill can also be used with a galvanized angle iron side post, and makes a strong durable construction.

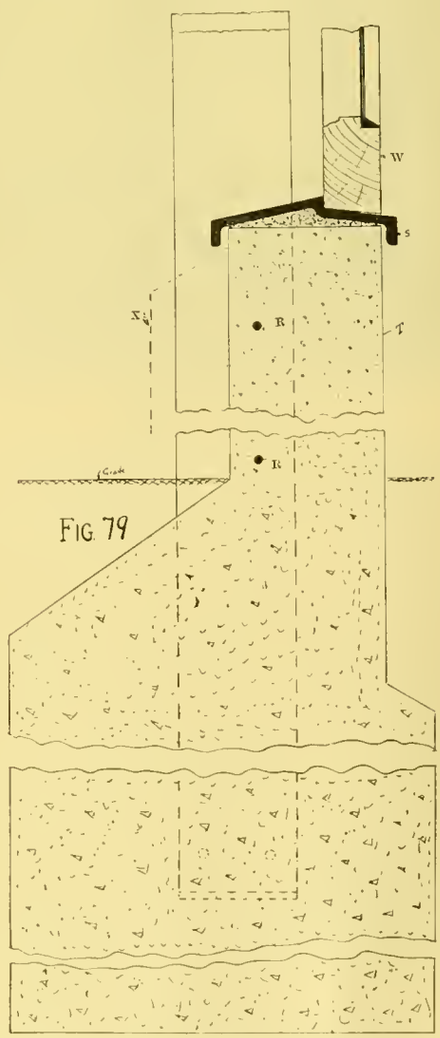

FIG. 79

Sixty Years of Retrospect

With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(Continued from page 431)

There was a great variety of plants then being received direct from the English collectors, many of which I have quite lost track of, but among some of the most popular were the Clematis; one variety of Clematis named Standishii, a light shade of purple, a good grower and a very free bloomer, was very popular for several years; another, called Fortunei, had a large double white flower, but was such a poor, slow grower it never amounted to much. Some of the English nurserymen commenced hybridizing the Clematis and raising seedlings, the most successful being Jackman of Woking, Surrey; some varieties of his raising are among the best in cultivation today.

Ampelopsis Veitchii was sent out by Veitch of Chelsea, but was never as popular in England as in this country, as it would not take the place of the English Ivy for covering buildings or for covering slopes, or banks too steep and dry for sod. The English Ivy is green the year round and is not troubled with caterpillars, or any other pests.

The different varieties of Euonymus were very popular, especially the erect growing varieties, as for either dwarf or tall hedges they were clean and evergreen; the trailing varieties were used as edgings to beds and borders, also for rows in hardy ribbon borders, and for many other purposes.

Among the coniferous family the Retinisporas were the most popular, both dwarf and tall growing varieties, and they were all quite hardy. Some of the coniferous plants never made much headway in England as they did not grow free enough to take any prominent place.

For a few years the Japanese Golden Honeysuckle was among the most popular of the Japanese plants then introduced; it would propagate like a weed, and plants, in 2-in. pots, with three joints could be made in about a week, and would sell as fast as made. The Lilium auratum was introduced at the same time, but mostly small bulbs, many of which were dried up and dead; there was only one bulb strong enough to flower the first year, and that plant, with four flowers, was shown in London and was sold at a price that would pay for a lot of dead ones.

Orders were booked for the new introductions as soon as descriptions could be given, and for such as could be propagated quickly, so by the time enough orders were in for the first delivery of any of the new stock and the orders were filled, the price would drop, as all the nurserymen would then be able to propagate; the profit, if any, had to be made when the first orders were filled. Then we began to grow larger plants, and specimens, of such things as were suitable for that purpose, and could be planted outside in beds or nursery rows, where they could be seen to better advantage. Many things were put in small crates and sunk in the ground, so that they could be moved safely at any season.

By that time I had a good stock of Grape vines ready for planting in the houses, and Pine plants in all stages for fruiting, both in pots and beds. We were then ready to give the new system of fruit growing a thorough test. I found my first opinion was correct—that it would never pay the extra cost in labor and other expenses. I certainly produced a big quantity of fruit for the next three years, but was never satisfied with the profits, on account of the extra expense in labor. As I expected, my successors made a bad failure. Three men in succession, all good fruit growers, fell down; they did not make proper allowance for the extra amount of moisture required both at root and in the atmosphere, so that red spider, thrip and mildew soon got ahead of them, with plenty of mealy bug in the Pine houses. Two years after I left I called there at the request of the proprietor, and from what he had written me at different times I was quite prepared for all I saw.

An Appreciation from the Pacific Coast

A subscriber in California, who desires his name withheld from publication, writes us as follows:

For many weeks past I have felt it my duty to thank you for the reliable reports we get from this coast in The Florists' Exchange. Messrs. McM. Brown and P. D. Barnhart certainly give your Pacific coast subscribers their money's worth. I was in and around San Francisco Bay lately, among the growers, and had a good opportunity to test the accuracy of the former's reports and, as for the latter he reminds me of the late Wm. Scott's style of writing, that I used to enjoy. I appreciate these reports, as I often ship green goods to San Francisco on the strength of them. I regret to say, a few years since, reports in other papers could not always be depended on.



New Carnation House, King Construction, at John Young Co.'s, Bedford Hills, N. Y.

Among the Growers

The John Young Co., Bedford Hills, N. Y.

The establishment of The John Young Co. is in fine shape, and will very shortly be furnishing excellent crops of American Beauty Roses and Carnations. The large 704-ft. Lord & Burnham house, and the King house built last year, 561 by 54 ft., are planted solely to American Beauty Roses. The larger house contains young plants, while in the other a number of plants are in their second year. The prospect for a good crop of flowers at Thanksgiving and Christmas is excellent. The plants are all making a vigorous growth, are healthy, and apparently free from insect or other troubles.

A new house was finished early this year. It is of King construction, 501 by 20 ft., and is planted to Carnations. The stock in this house could hardly look cleaner or more promising, and there will undoubtedly result a heavy crop of flowers. The varieties benched are Enchantress, Beacon, Victory, White Perfection and White Enchantress. Mrs. C. W. Ward, Dorothy Gordon and Pink Delight are also being tried out.

Charles Weber, Lynbrook, L. I.

At Charles Weber's establishment at Lynbrook, the staff has been busy installing cement benches in the largest Carnation house. The Wilson-Hoyt type of bench is used here exclusively, and the work just done shows the latest style from molds and forms furnished by the Wilson-Hoyt Co., of New York. The benches were all built by, practically, inexperienced labor.

A feature of this house is the stock in it. This is wholly of the Carnation Brooklyn, which is to be disseminated the coming season by Mr. Weber in conjunction with R. G. Wilson of Brooklyn. The variety is a fringed pink, and is an excellent cropper. The flowers are of good size and good keepers. Our photograph shows plants benched in the latter half of August and photographed the beginning of September. Many of the plants already show seventeen and more flowering shoots.

The other Carnation houses are looking well, those containing the varieties Pink Delight, White Perfection, Enchantress, and Victory particularly so.

Geo. J. Hess, Suitland, Md.

The greenhouse establishment of Geo. J. Hess at Suitland, Prince George Co., Md., is located but a short distance over the State line from the northeastern section of the District of Columbia, and nearly due east from the Capitol. The entire section is a very beautiful and productive country, with some of the largest local gardening interests blocked out on the light, undulating or level soil, with little room left for weeds and briars. Mr. Hess, a genial member of the craft, is the son of Valentine Hess, one of Washington's old-time gardeners, who operated 1200 or 1500 hotbeds and coldframes, raising vegetable plants and other Spring stock. Geo. J., his son, who was taught by him started in business for himself at Ballston, Va., in 1903, with one 18x24 ft. house for miscellaneous bedding stock. So satisfactory were these early efforts that the houses rapidly increased, until 1906, when the place was sold to G. E. Anderson, Mr. Hess moving to his present location at Suitland, Md., where are four houses, representing 5,000 sq. ft. of glass, on his two acres, all of which land is used, and negotiations are well under way for the purchase of two additional and adjoining acres; immediately upon the consummation of this deal the present range of glass will be rebuilt and rearranged, adding thereto three new modern houses, or an additional 5,000 ft., the whole of which will be heated by hot water. Some of the material for the new range is already on hand.

The present range is filled with Chrysanthemums, in solid beds, growing to single and double stems, with Halliday, Glory of Pacific, Polly Rose, White Shaw, Maj. Bonnaffon, and Jeanne Nonin as leaders. There are some 10,000 plants in all. At the close of the 'Mum season the houses are filled with Primulas, Cinerarias, Geraniums, Salvias and other bedding stock for the Spring trade, being disposed of on the wholesale side of Centre Market, Washington.

Quite a space in one of the houses is taken up with what Mr. Hess calls a Pansy-leaved Geranium (of Ivy type) procured first from a colored florist who had but the one plant, of unknown origin. Its chief characteristics at that period were its freedom of flowers, and its defiance of propagation by cutting; but upon obtaining a few cuttings Mr. Hess proved the idea erroneous, and now considers he has a hybrid which will be very popular.

Along the line of novelties must also be considered one of the ten varieties of Dahlias grown in the field. This is a new hybrid, light pink, of the large full Show or fancy type, yet unnamed, and numbering, in all, about 125 plants, the stock being increased as rapidly as possible. Unlike most other types of Dahlias which produce flowers from or near the top of the plant, this does so with the first crop only, and when these are cut, like a Carnation it throws other flowering shoots from near the bottom, which grow rapidly, need no disbudding, invariably have good length of stem, and flower profusely throughout a long season; Mr. Hess considers it the best all round seller he has ever seen. Souv. de Morea, a deep pink, and Arabella are his second favorites. The unusual sight of several thousand Lilium candidum grown exclusively in the field is here witnessed. These flower in time for the June trade and are eagerly sought.



Geo. J. Hess and Family, Suitland, Md.

Three men assist Mr. Hess, and are employed throughout the year, and all building and heating is done by them under the employer's direction. It is with pleasure that your correspondent will remember the most hospitable treatment extended him upon the occasion of this visit by the host and his charming wife.

JAS. L. CARBERY.



Carnation Brooklyn. Grower, Charles Weber, Lynbrook (L. I.), N. Y.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Dsigns for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillmsnt of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.



Wreath of Pink Killarney Roses, White Carnations, Violets and Violet Gauze Ribbon

W. S. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnetonka	Sept. 17	8.00 am.	W. 16th St., N.Y.	London
Cedric	" 17	9.00 am.	W. 21st St., N.Y.	Liverpool
Amerika	" 17	10.00 am.	3rd St., Hoboken	Hamburg
Carmania	" 17	10 00 am.	W. 14th St., N.Y.	Liverpool
St. Paul	" 17	10.00 am.	W. 23rd St., N.Y.	Southampton
Geo. Washington	" 17	10.00 am.	3rd St., Hoboken	Bremen
Kroonland	" 17	11.00 am.	W. 18th St., N.Y.	Antwerp
Columbia	" 17	12.00 m.	W. 24th St., N.Y.	Glasgow
Niagara	" 17	3.00 pm.		Havre
La Gascogne	" 17	3.00 pm.	W. 15th St., N.Y.	Havre
Ryndam	" 20	10.00 am.	5th St., Hoboken	Rotterdam
Hamburg	" 20	10.00 am.	1st St., Hoboken	Gib-Nap-Geno
Kronp. Cecilie	" 20	10.00 am.	3rd St., Hoboken	Bremen
Duca di Genova	" 20	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Mauretania	" 21	9.00 am.	W. 14th St., N.Y.	Liverpool
Adriatic	" 21	9.30 am.	W. 21st St., N.Y.	Southampton
Pres. Grant	" 21	11.00 am.	1st St., Hoboken	Hamburg
Cretic	" 21	12.00 m.	W. 21st St., N.Y.	Azores-Gib Napls-Gen
La Lorraine	" 22	10.00 am.	W. 15th St., N.Y.	Havre
Ultonia	" 22	12.00 m.	W. 14th St., N.Y.	Napls-Trieste Fiume
Re d' Italia	" 22		Gr'nd St., Jer.Cy	Naples-Genoa
Cincinnati	" 24	9.00 am	1st St., Hoboken	Hamburg
Mesaba	" 24	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 24	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 24	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 24	11.00 am.	W. 18th St., N.Y.	Antwerp
Arabic	" 24	12.00 m.	W. 21st St., N.Y.	Liverpool
Caledonia	" 24	12.00 m.	W. 24th St., N.Y.	Glasgow
Venezia	" 24		31st St., Bklyn	Naples
Calabria	" 24		Union Strs, Bkln.	Naples
Mexico	" 24		W. 44th St., N.Y.	Bord'x-Dunk'k
Kronpr. Wilhelm	" 27	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 27	10.00 am.	5th St., Hoboken	Rotterdam
Luisiana	" 27	12.00 m.	Bush Dks, Bklyn	Naples-Genoa
Lusitania	" 28	9.00 am.	W. 14th St., N.Y.	Liverpool
Tentonic	" 28	3.00 pm.	W. 21st St., N.Y.	Southampton
Oceania	" 28	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Fred. der Grosse	" 29	10.00 am.	3rd St., Hoboken	Bremen
From Boston				
Zeeland	" 20	11.00 am.	B & M Dks, Char	Liverpool
Canadian	" 21	11.00 am.	B&A Dks, E. Bos.	Liverpool
Columbian	" 23	1.00 pm.	B& M Dks, Char	London
Ivernia	" 27	4.00 pm.	B&A Dks, E. Bos.	Liverpool
Winnifredian	" 28	4.30 pm	B&A Dks, E. Bos.	Liverpool
Parisian	" 30	9.00 am.	Mystic Whf Char	Glasgow
Romania	Oct. 1	9.00 am.	B & M Dks, Char	Azores-Gib Napls-Gen
Philadelphia				
Friesland	Sept. 17	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 17		24 No. Wharves	Glasgow
Ancona	" 28	11.00 am.	80 So. Wharves	Naples-Genoa.
Menominee	" 30	10.00 am.	55 So. Wharves	Antwerp
Haverford	Oct. 1	10.00 am	53 So. Wharves	Liverpool
Siberian	" 1		24 No. Wharves	Glasgow
San Francisco				
China	Sept. 20	1.00 pm.	1st Street	Honolulu
Manchuria	" 27	1.00 pm.	1st Street	Japan
Chiyo Maru	Oct. 4	1.00 pm.	1st Street	China

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

For "Supply" Advertisements see page 520

To Reduce the Cost

and Encourage and Facilitate the ordering of Flowers by Wire use

ARNOLD'S TELEGRAPHIC CODE NO. 16

FOR FLORISTS AND ALLIED INDUSTRIES

$2.50 per copy

One copy free to Yearly Contract Advertisers in our "Directory of Reliable Retail Houses."

The Fruit Auction Company

200-204 FRANKLIN STREET, NEW YORK

WILL SELL At Auction

TUESDAY, SEPTEMBER 20th, at 10.30 A. M.

A Complete Assortment of **PALMS, FOLIAGE PLANTS, FERNS, Etc.**

FROM LEADING GROWERS **IN LOTS TO SUIT THE TRADE**

Also: A fine lot of **AUTUMN BULBS;** including the following England and Guernsey varieties of Narcissus, fine stock, positively true to name. For Dealers and Growers who force these varieties, this sale will be a splendid opportunity to secure a stock of:—

Golden Spur **Sir Watkin** **Princeps** **Mrs. Langtry**
Double Von Sion **Emperor** **Double White**
Victoria **Empress** **Poeticus Ornatus**
Barrii Conspicuus **Henry Irving** **Poeticus Recurvus**

Also the following:
Gladiolus, Blushing Bride
Gladiolus, Peach Blossom
Gladiolus, Crimson Queen
ETC., ETC.

TERMS: CASH **PROMPT DELIVERY** **SALES REGULARLY THROUGHOUT THE SEASON**
TELEPHONE 1512 FRANKLIN FOR DETAILS SEE CATALOGUE HORTICULTURAL DEPARTMENT, J. P. CLEARY, MANAGER

Please mention the Exchange when writing.

Newport, R. I.

Andrew J. Dorward, gardener for Mrs. T. J. Emery, with his wife and daughter have sailed for Scotland, their native land. Mr. Dorward expects to return in a few weeks, but Mrs. Dorward and her daughter will spend a year there for the benefit of the former's health, which has not been good for some time.

Much regret is felt over the fact that Mr. Dorward is to be away at the time of the Horticultural Society's Fall Show, he being one of our most successful exhibitors.

Mrs. John T. Allan, wife of the popular Jack Allan, as he is known, has been ill most of the Summer and is now in a critical condition, there being, it is said, no hopes whatever for her recovery.

At "Elmhyrst," the residence of A. P. T. Elder of Washington, great improvements are to be made to the grounds and gardens; the latter, it is said, is to be designed after the style of the famous garden at Mount Vernon, Va.

After the hustle and bustle of the month of August the florists are having an easy time; in fact, it is now only a matter of closing up with those who spend solely their Summer months here.

Mrs. John T. Allan, wife of ex-President Allan of the Newport Hort. Soc., died last Monday afternoon at her home on Spring st. The funeral services were held on Wednesday afternoon. The Horticultural Society at its meeting on Tuesday, Sept. 13, appointed a committee to draw up a set of resolutions expressing to Mr. Allan and his son the sympathy of the members, and ordered a wreath of flowers sent for the funeral.

ALEXANDER MACLELLAN.

Greenhouse Building

BROWN CITY, MICH.—The Crooks greenhouse is being enlarged.

BIDDEFORD, ME.—The Sprout Co. is building a large greenhouse.

PANA, ILL.—R. O. Henderson is building another greenhouse.

BOWMANSVILLE, ONT.—S. J. Jackman is building two new houses.

BATH, ME.—Paul Olm has added a new house to his establishment.

FREMONT, NEB.—C. H. Green is building an additional greenhouse.

HAMBURG, PA.—Steve Sousley is building an additional house, 22 by 72 ft.

CLAYTON, MO.—Alexander Johnson is building an additional greenhouse.

YORK, ME.—Moulton & Don are building a 90 ft. greenhouse addition.

ANDOVER, O.—Chase & Chase are building two new houses, each 16 by 50 ft.

BARABOO, WIS.—William Peck is making a 40 by 20 ft. addition to his plant.

LOS ANGELES, CAL.—Dietrich & Turner are building an additional greenhouse, 57 by 300 ft.

KIRKLAND, WASH.—J. J. Bonnell, nurseryman, is to build a greenhouse range covering 20,000 sq. ft.

CHESTER, W. VA.—The Chester Greenhouse Co. is building several large houses, which are to be managed by John E. Colton.

FERNS

WHITMANI and BOSTON
Choice stock for 5 and 6 in., 25c. each.
SMITH & GANNETT, Geneva, N. Y.
Please mention the Exchange when writing.

New Jersey Floricultural Society

After an intermission of two months, this Society held its regular meeting in Lindsley Hall, 240 Main st., Orange. Light refreshments were served to the members and others by the Society. Arrangements for the Dahlia show, to be held October 1, were completed. This show has always attracted attention and promises to be the largest exhibition of its kind the Society ever held. Pres. Albert F. Larson, Treas. Walter Gray, Secy. William Reid, and John Hayes were appointed a committee to go to New York to select the silver cups which will be awarded in January for the year's competition at the monthly exhibitions. It was decided to award the large silver cup donated by Mr. Le Count at the last meeting for the best 24 cut Chrysanthemums, 6 varieties, 4 flowers of each, at the Society's Chrysanthemum show, which will be held on the regular meeting night in November. Lager & Hurrell, of Summit, N. J., had a nice display of rare Orchids on exhibition, for which they received 95 points; A. B. Jenkins, gdr. Albert F. Larson, Roses, 90 points; Thos. Edison, gdr. Frank Drew, Roses, 80 points; S. M. & A. Colgate, gdr. William Reid, Roses, 75 points; Chas. Hathaway, gdr. Max Schneider, Carnations 60 points; S. M. & A. Colgate, 70 points; William Reid, flowering plant, 75; William Reid, foliage plant, 85. For the exhibits not in competition for points the following cultural certificates were awarded: Vase Roses, Albert Larson; vase Roses, Frank Drew; Tuberous rooted Begonias, William Reid. The judges were Chas. W. Ashmead, Edward Eccles and John Hayes. WILLIAM REID, Secretary.

Nursery Notes

PARIS, TEX.—J. M. Moreland of this town has purchased 30 acres of land near Mena upon which he will established a nursery.

FULTON, ILL.—The Riverside Nursery Co. is to erect a 30x70 ft. warehouse, and an office building on lots recently purchased on Prairie st.

DOWNER'S GROVE, ILL.—The A. B. Austin Nursery Co. has been incorporated, with a capital of $6000. John C. Alden, F. Jason Littleford and Elijah Smith are incorporators.

YANKTON, S. D.—The Whiting Nursery Co. has purchased the nursery business of the Sioux City Seed and Nursery Co., and has transferred its own seed business to the Sioux City Co.

MARTINSBURG, W. VA.—The Potomac-Shenandoah Co. has been incorporated to engage in the nursery business, with a capital of $50,000. Charles B. Hart of Wheeling, Alex. Clohan, Clarence E. Martin and N. T. Frame of Martinsburg are incorporators.

CROTONS

We have about 300 plants, good varieties, **Baroness Rothschild, Day Spring, Queen Victoria,** etc., well colored, but plants that are too tall for immediate use. Fine for propagating and the top cuttings could be mossed making a perfect plant in a few weeks.

We need the room and offer them at 15-20-25 and 35c. each, 5-6 and 7 in. pots.

A few fine flats of **SEEDLING FERNS** left at $2.00 each.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

Lenox (Mass.) Horticultural Society

A monthly meeting of this Society was held in the Town Hall on Sept. 3, when members were treated to a great display of Dahlias, staged by Mr. Wingett, superintendent to Mr. Charles Lanier. Three types, Cactus, Show and Pompon were represented in 36 varieties. The best of these were W. W. Rawson, Sylvia, Anne Boleyn, Chas. Lanier, Geisha, Queen Wilhelmina, Queen Emma, Romeo, Catherine Duer, Countess of Lonsdale, Earl of Pembroke, Duchess of Cambridge, Acquisition, Ella Kramer, Bertha Von Sutton, Mrs. Wirth, Aug. Nonin, John Walker and Empress of Austria. A diploma of commendation was awarded Mr. Wingett. The same gentleman also exhibited a giant Melon, Viaud's Perfection, 24 lb. weight, for which he was awarded a first-class certificate. This is the first year Mr. Wingett has attempted to grow Perfection, rightly named for its all-around qualities, size, flavor and depth of flesh—alas! we did not taste it. One from the same bed weighed over 31 lbs. G. Instone, his able foreman, deserves a fair share of praise in growing them so successfully.

Mr. Jenkins, one of the Bar Harbor judges, reported on his visit there. He spoke very highly of the show, and how well the Bar Harbor gardeners had treated him.

Mr. Foulsham had on view the silver cup presented by Mr. W. B. O. Field for the best collection of twelve varieties of vegetables at the Fall show. It is to be known as the "President's Cup," to be won twice before it can be lifted; and, take it from me, it is worth lifting.

Things are beginning to hum around here now; it's no use coming here unless you can discuss Fall show topics—all roads lead to the show.

At the previous meeting, four new members were enrolled; they were S. Foulsham, O. Whittemore, L. Nicholas, and J. McGregor. Under the new constitution they had to be balloted for, but each was elected without opposition. JOSEPH W. PYBUS.

DAYTON, O.—H. H. Ritter, florist, has moved his store to 213 West Third st.

CHICAGO HEIGHTS, ILL.—G. A. Weberg, formerly of the firm of Weberg & Peterson, has opened a new greenhouse establishment at 192 Chicago road.

DOWS, IA.—The Larson & Shaffer greenhouse establishment is completed, and business was commenced this week.

Surplus Stock

offered cheap to make room.

Dracaena Indivisa
2000 plants in 2-inch pots, $2.00 per 100.

Clerodendron Balfouri
150 plants in 4-inch pots, $20.00 per 100.
6 large specimen plants, $3.00 each.

Ophiopogon Jaburan Variegatus
75 plants in 5-inch pots, $20.00 per 100.

Pandanus Veitchii
6 plants in 10-inch pots, $2.50 each.

Boston and Scottii Ferns
15 specimen plants, $2.50 each. Also a lot of smaller ones from 6-inch pots up; will quote prices on request.

S. J. IRVINE
"D" Street, above Wyoming Avenue
PHILADELPHIA
Please mention the Exchange when writing.

Large Field-Grown Carnation Plants

Enchantress, Lord, The Queen, Mrs. Patten, Harlowarden.

$5.00 per 100, **$40.00** per 1000.

FRANK NIQUET, Patchogue, N. Y.
Please mention the Exchange when writing.

CARNATION PLANTS

Field-grown, strong and healthy.

	Per 100
ENCHANTRESS	$5.00
ENCHANTRESS, Second size	3.00
LAWSON	5.00
LAWSON, Second size	3.00
LOUISE, Second size	3.00
SNAPDRAGON, Field-grown	4.00

ISABELLA GREENHOUSES, R. F. D. Box 6, Babylon, N. Y.
Please mention the Exchange when writing.

Pansy Plants

from seeds taken from selected large flowering plants of the finest shades; nice strong plants at $2.00 per 100, $9.00 per 500.

Cash with order please.

CHAS. P. GREUS, 40 N. High Street Mt. Vernon, N. Y.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

IN OCTOBER

TO PLEASE THE BRIDE
TO PLEASE THE GROOM
TO MAKE THE GUESTS WONDER
WHO DID THE DECORATIONS

Will make business for you—PINE TREE RIBBONS, those rich toned, lustrous weaves, in many widths, will *help do the trick.*

Why not address a postal for samples today? These Ribbons we sell at manufacturers' prices.



DIRECT FROM THE MILL TO YOU

No other Ribbons just as good at equal prices. Chiffons we Import direct from Europe.

The Pine Tree Silk Mills

Philadelphia, Pa.

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

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REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

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Write us for catalog and prices, stating size you require and for what **kind of cut flowers** you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
167 Lake Street, KENDALLVILLE, IND.

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

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E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural sod perpetuated. Orders booked now for future delivery

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

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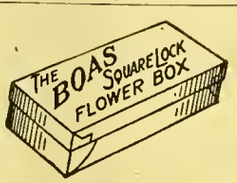
Prices Advertised in these Columns are for THE TRADE ONLY

"To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



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Write for Samples and Prices

William J. Boas & Co.

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Wholesale Commission Florists
Dealers in Fancy Ferns
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KRICK'S Florist Novelties

Manufacturer and Patentee of The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK
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The Book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

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WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

of choicest qualities, and are enabled to supply large and small sizes in any quantity. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples cheerfully sent upon application.

Prices 35c. to 60c. per pound

CHAS. W. JACOB & ALLISON, 18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS, RAFFIA, BARK CLOTH, ETC.

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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

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WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties, Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

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We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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56 Pine Street, NEW YORK

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CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

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Get OUR PRICES on Cut Flower Boxes

Three Grades—Lowest Prices—Quick Delivery

We pay the freight on orders for $15.00 or more

Climax Manufacturing Co.
CASTORLAND, N. Y.

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F. E.—The Best Advertising Medium

Prices Advertised for the Trade Only



G. and F. Club of Baltimore

The regular meeting of the Gardeners and Florists' Club convened in their hall last Monday night with President George R. Morrison in the chair; it was largely attended, special notice having been given that important matters were up. The meeting was strictly a business one throughout. The hall has been neatly painted and was in apple-pie condition.

Frederick Lapp, Rossville, Md., was elected a member of the club. Isaac H. Moss proposed Orlando Harrison, Berlin, Md., for membership. The committee on new certificates reported progress. The report of the picnic committee was accepted and it discharged with thanks.

Richard Vincent, Jr., extended to the Club an invitation to visit the Dahlia and Canna Show and Harvest Home Festival which is to be held on Sept. 27 to 30 at Cowenton, Md. Tuesday, the 27th will be Club Day there and a large attendance is anticipated as usual; Governor Crothers, Mayor Mahool and Congressman Fred C. Talbot are expected to be present. A neatly arranged program has been gotten up, giving full information, also train time.

The committee appointed by the Maryland State Hort. Society reported that it has a large and excellent exhibition arranged to take place at the Fifth Regiment Armory, Nov. 27 to Dec. 2 inclusive.

Mr. Vincent reported that two weeks ago his place at White Marsh was in flood, the water covered his lawn and found its way into some of the greenhouses; however, it was a benefit to the Dahlias and Cannas, putting them in fine condition. Mr. Vincent's European lecture with stereoptican views will take place at the club rooms the first meeting night in October.

Harry Quick was the winner of the shaving set, drawing No. 11, the lucky number.

Fred Lapp displayed a fine collection of his new seedling Canna which was greatly admired for its foliage and large flowers. Mr. Lapp makes a specialty of Canna seedlings.

St. Louis Florists' Club

This club held its installation meeting on Thursday, Sept. 8. On invitation of Frank A. Weber of the H. J. Weber & Sons Nursery Co., it was held at Nursery, Mo. The day was most beautiful and many availed themselves of the opportunity to visit one of the largest nursery plants in St. Louis and the home of Vice-President Weber of our club.

The members met at the end of the car lines at 1 o'clock where large open wagons were in waiting to take them to the grounds.

On arrival on the grounds we were met by the officers of the company; these comprise Mr. H. J. Weber and his four sons, and we were taken in hand and shown over the place. The greenhouses, which are in charge of Walter Weber, were first visited and those who know say everything was in fine shape. Carnations and Roses only are grown, the stock being clean and healthy, and giving every indication of a fine crop to come. After an inspection of the grounds and the big cold storage house, the meeting was held in the packing house. President Windler, the outgoing president, opened it at 3 o'clock and, quickly disposing of the preliminary business, announced that the installation of officers was next on the program. Ex-president Fillmore and R. J. Windler were appointed installing ushers. The new officers installed were: John M. Connon, president; Frank A. Weber, vice-president; J. J. Beneke, secretary; W. C. Smith, treasurer; E. W. Guy, trustee. The meeting then proceeded with the new officers in charge, and, from their work, the members saw they made no mistake in their selection.

All committees holding over made final reports and were discharged with thanks and new ones appointed. On motion, a vote of thanks was extended to the officers of the H. J. Weber Nursery Co. for their kind invitation, to the trustees for the way they handled the picnic given in July, and also to the outgoing officers.

The meeting then adjourned and the members were invited to a fine spread which was relished to the full. After lunch, a tour through the grounds revealed the largeness of the place and the trip was enjoyed. The big lake afforded some fun when "Bill" Smith was captured by Joe Hauser on the water. Joe showing fine form as an oarsman; on the trip home Joe also amused the crowd with songs. Those who failed to attend this meeting missed a good time as the day will long be remembered.

ST. PATRICK.

Society of Iowa Florists

The eighth annual meeting of the Society of Iowa Florists' was held in the State House, Des Moines, Ia., on Wednesday, August 31. The program included papers as follows: By Otto Hansen of Fort Dodge on "Our Method of Keeping Carnations from Cropping, and also for Preventing Stems from Rotting;" by F. J. Olsan of Ames on "Epiphyllums as Christmas plants;" by Geo. S. Balthis of Des Moines on "Color Effects with Bedding Plants;" by Elmer E. Nordwall, Fort Dodge, on "Artistic Possibilities in Floral Work;" by Walter H. Grosvenor, Des Moines, on "Decorating the Home Grounds;" by G. A. Heyne, Dubuque, on "Civic Improvement and the Florist;" by L. H. Pammel, Ames, on "The 1910 Freeze in Iowa"; and by J. S. Wilson and J. T. D. Fulmer, "Report of Delegates to the S. A. F. and O. H. Convention."

The officers elected for the ensuing year were: President, J. S. Wilson, Des Moines; vice-president, J. T. D. Fulmer, Des Moines; treasurer, John T. Temple, Davenport; secretary, Wesley Greene, Davenport. Directors: G. A. Heyne, Dubuque; William Trillow, Des Moines; F. J. Olsan, Ames; Elmer E. Nordwall, Fort Dodge.

Connecticut Horticultural Society

While our individual members have had a busy Summer, our Society has suspended operations during the heated term; on August 26 our business meetings were resumed, at the County Building, Hartford. As President John F. Huss is now returning from a two-months' visit to his old home in Switzerland, ex-Vice-President John Gerard occupied the chair.

Vases of handsome flowers were exhibited: Dahlias, by James P. Ralph, of New Britain; Asters, by James M. Adams, of Hartford; and Gladioli, by L. H. Robertson, of Hartford. The judges, Messrs. J. A. Weber and Francis Roulier of Hartford, and W. H. Shumway of Berlin, recommended that each exhibitor receive a vote of thanks. These voluntary displays of seasonable flowers, vegetables, and fruits, are a special feature of our fortnightly meetings.

Our schedule of prizes, or premium list, for the two forthcoming exhibitions, was received from the printer at this meeting, and was pronounced the best one that the Society has ever published. Some of the opening pages are embellished with half-tone pictures of President Huss, Treasurer W. W. Hunt, and Secretary George W. Smith; and the cover design is a pen and ink sketch of Dahlias and Chrysanthemums, by Miss Artina Marguerite Adams, the 17-year-old daughter of James M. Adams of Hartford, the chairman of our executive committee, and reflects credit upon the ability of this promising young artist. Many new advertisements appear in its pages; and copies of the schedule will gladly be sent to the trade, anywhere, on request. Besides the many customary prizes for Dahlias, Chrysanthemums, and other flowers, and vegetables and fruits, special prizes are offered by Henry A. Dreer, Inc., of Philadelphia, the Stumpp & Walter Co. and Arthur T. Boddington of New York, Luther Tucker & Son of Albany, and the Plant & Land Food Co. of Baltimore. The Dahlia exhibition will take place at Unity Hall, Hartford, on September 22 and 23; and the Chrysanthemum exhibition at Putnam Phalanx Hall, a more commodious one, Hartford, on November 3 and 4.

Our Society enters upon the Fall work with much enthusiasm. It now has 150 members, reaching every county in the State but one, and having members in several other States. One of our members, J. A. Weber, was in charge of the immense horticultural display at the recent Connecticut Fair at Charter Oak Park, Hartford, September 5-10, opening on Labor Day, a State holiday.

GEORGE W. SMITH, Secretary.

Newport (R. I.) Hort. Society

A regular meeting of this society was held on Sept. 13, President Robertson in the chair. The committee on home gardens reported that it had examined 22 children's gardens and awarded the two premiums offered to the winners.

For the ball, on the evening of Sept. 20, John Forbes was appointed floor director, with John Urquhart as aid.

On the exhibition table was a fine display of seedling Dahlias, some of them being entirely new in form; one named Japonica, was like the Globe Flower, Trollius Europa. On recommendation of the committee, Grace Arnold, a rose pink of fine Cactus form, raised by Wm. H. Arnold of Jamestown, was awarded a first class certificate of merit. And Japonica and W. Scott Sisson, of decorative Cactus type, raised by Geo. S. Stoddard, received a similiar award. Honorable mention was given to three others, of Cactus form, named Ida W. Marble, Indiana and North Carolina; the last is after the style and color of that fine foreign novelty, Furst Puckler.

An interesting discussion on how to secure a better attendance of the public took place, and from same some good may result.

ALEX. MacLELLAN.

Yonkers (N. Y.) Hort. Society

A meeting of the Society was held in Wiggins Hall on Friday evening, Sept. 2, President Bennett in the chair. The prizes offered by H. Nichols and L. Taylor for the best collection of vegetables of six varieties brought out a very fine exhibit, which showed that the dry season did not spoil the vegetable crop in Yonkers. The judges appointed were John Barry, one of the most expert vegetable growers in Westchester County, J. Mooney and Mr. Taylor. After viewing the many exhibits they decided in the following way: 1st, H. Scott; 2d, J. Goff. Louis Milliot read a very interesting essay on "The most Popular Christmas Flower—The Poinsettia."

The executive committee reported that the Armory of Co. G., N. G., N. Y., on Waverly st., had been hired for the Fall show, to be held on Thursday and Friday, Nov. 10-11. Entry blanks for same can be procured from H. Scott, secretary of the Society, 615 No. Broadway, Yonkers, N. Y.

LEE WHITMAN, Cor. Sec.

Field-Grown Carnation Plants

	Per 100		Per 100
Enchantress	$6.00	Harry Fenn	$5.00
M. A. Patten	5.00	Winsor	5.00
		Victory (second size)	3.00

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, dellvery, $10.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill. A. T. PYFER Manager

Please mention the Exchange when writing.

Field-Grown Carnations—Fall, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Winsor	$7.00	$60.00
May Day	7.00	60.00	Apple Blossom	6.00	50.00
Winona	7.00	60.00	Wanoka	6.00	50.00

"Strong healthy plants for immediate shipment."

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATION PLANTS

Field-Grown, good stock, $5.00 per 100
10,000 Enchantress 5,000 Beacon

D. T. McCARTHY & SONS
NURSERYMEN and FLORISTS
LOCKPORT, N. Y.

CARNATIONS

Strong, Field-Grown Plants of Rose Pink Enchantress, $6.00 per 100, $50.00 per 1000.

Also, 400 White Perfection, same price.

JOHN F. HORN & BRO.
20 North 6th Street, ALLENTOWN, PA.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS
In Season

ALYSSUM, DOUBLE GIANT
Strong 3 inch, $3.00 per 100

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation
Shasta.
Field-grown plants in August and later.
$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Forty Thousand Field-Grown Carnations

Compact, Bushy Stock, in a Very Healthy and Thrifty Condition.

	Per 100	1000
White Enchantress	$7.00	$65.00
Rose P. Enchantress	6.50	60.00
Light P. Enchantress	6.00	55.00
Winona	6.50	60.00
White Perfection	6.50	60.00

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATION PLANTS Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; Pink Enchantress, White Perfection, Bountiful, Winsor $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

HOWARD P. KLEINHANS 66 CENTRE SQUARE EASTON, PA.

Please mention the Exchange when writing.

5000 Fine Field Carnations

Elbon, a fine red; Dorothy, Queen Louise, White Lawson, Climax (a fine pink), Crocker, $6.00 per 100; 250 or more, $5.00 per 100. Enchantress and Afterglow, $7.00 per 100. 100,000 Privet, Shrubs, Vines, etc.

List Free. Cash Please.

BENJ. CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By young lady in florist store; experienced. First-class references. Address G. H., care The Florists' Exchange.

SITUATION WANTED—By A 1 designer and decorator with 10 years' experience. First-class references. Address Edward Lewis, 511 Lenox ave., New York City.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By competent landscape gardener with nursery growing experience. References. Address F. M. Hadden, 145 Pond St., Providence, R. I.

SITUATION WANTED—By energetic and capable all-around grower, 27, married, 12 years' experience. Able to take charge. State wages and particulars. Address G. K., care The Florists' Exchange.

SITUATION WANTED—By florist with long experience and best of references. Private place preferred. Eastern location only. Address "Private," care The Florists' Exchange.

SITUATION WANTED—By single man, German, 32, life experience in Carnations, Chrysanthemums, Easter and bedding stock. Good maker-up. Address G. O., care The Florists' Exchange.

SITUATION WANTED—By experienced grower of Carnations, 'Mums, Roses, etc., as foreman on private or commercial place; married. References. Eastern location preferred. Address G. E., care The Florists' Exchange.

SITUATION WANTED—Landscape work. Thoroughly conversant with plans, road construction, grading, planting, etc. Good handler of men. Can carry out work to any extent. Address "Practical," care The Florists' Exchange.

SITUATION WANTED—As working foreman by a sucessful grower of Roses, Carnations and general stock. Good references, aged 40; 20 years' experience on leading places. Address G. J., care The Florists' Exchange.

SITUATION WANTED—To take charge or as assistant, moderate sized, or commercial place. Storeman, good grower and landscape worker. References. State wages. Address J. H., 26 Montague place, Montclair, N. J.

SITUATION WANTED—By young man, four years' experience—mostly Roses—who wishes to work till two-thirty afternoons in return for board or its equivalent in money. District Boston to Richmond. Address G. D., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, German, 41 years of age, single, neat and sober; good worker; a first-class all-around man; 24 years' experience in growing Roses, Carnations, Chrysanthemums; good designer. First-class references. Address, D. E., care Creen, 169 Morningside ave., New York City.

SITUATION WANTED—As superintendent or manager of department near Philadelphia or New York by Perennial and Hardy Plant propagator and grower; also competent landscape gardener; 16 years' experience in European and American leading firms. Good salary expected.. Address G. P., care The Florists' Exchange.

SITUATION WANTED—As assistant on private place by a young man. Four years' experience in greenhouses, and in general stock raising; also in Nursery work. Advertiser would like to learn Rose growing. Please state wages and full particulars in first letter. Address F. J., care The Florists' Exchange.

SITUATION WANTED—By gardener on private or commercial place; married, 40 years of age, German. Best experience from Europe as headgardener and 5 years' experience in this country as greenhouse foreman. Perfect on uptodate cultures of every line; hustler; capable of handling help. 25 years' experience in all kinds of gardening. Address G. F., care The Florists' Exchange.

Continued to next Column.

SITUATIONS WANTED

SITUATION WANTED—On shares by man with 20 years' experience in growing Roses, Carnations, Palms, Ferns, Violets, Lilies, Chrysanthemums, Bulbs of all kinds and Geraniums. Advertiser understands rooting of all kinds of cuttings; good landscape gardener. Will take place on salary and commission. Address G. B., care The Florists' Exchange.

SITUATION WANTED—By young man, American, strictly temperate and reliable; a number of years experience in Carnations, Roses, 'Mums and Violets, also bedding plants. Advertiser expects position on an up-to-date retail place where first-class stuff is grown; not less than 20,000 feet of glass. Good references can be furnished. Please state wages and full particulars in first letter. Address, F. C., care The Florists' Exchange.

HELP WANTED

WANTED—Carnation section men; good wages. Only first-class men need apply. George Peters & Sons, Hempstead, L. I.

WANTED—First-class salesman acquainted with best New York City trade. Steady position with chance of advancement. Address G. C., care The Florists' Exchange.

WANTED—Two young men familiar with filling seed and bulb orders. State experience. Address K, Box 1721, New York Post Office.

WANTED—Florist for general stock; must be sober and reliable. State wages and particulars. Address, C. C. Mason, 1 N Dover ave., Atlantic City, N. J.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. Edw. J. Taylor, Greens Farms, Conn.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A single experienced man to bunch single Violets for market and assist in growing them. Give reference and state wages expected. E. Bingham, Pine st., Dedham, Mass.

WANTED—A young man with four or five years' experience for our vegetable seed department. Apply by letter only, giving full particulars. R. & J. Farquhar & Co., Boston, Mass.

WANTED—Foreman, experienced in growing Carnations, 'Mums, Easter stock and bedding plants. Must be good designer and decorator. First-class references. Address, G. A., care The Florists' Exchange.

WANTED—Man who has had experience handling plant department in a first-class retail flower store. Good opportunity for the right man. Confidential. Address F. B., care The Florists' Exchange.

WANTED—Young man residing in Brooklyn as expert floral decorator and for store work. Must be strictly temperate. Apply in own handwriting stating experience and salary expected. Address G. M., care The Florists' Exchange.

WANTED—A young man for general greenhouse work; steady and reliable and having knowledge of growing 'Mums and bedding stock. Steady position for right man. Write to James Horan & Son, Bridgeport, Conn.

WANTED—Night fireman. Apply John Young Co., Bedford, N. Y.

WANTED—Warehouseman and stock clerk experienced in the filling of grass seed orders and the care of stock in warehouse. Must be strong, active and willing to work. Apply by letter only, stating experience, R. & J. Farquhar & Co., Baston, Mass.

WANTED—An experienced man to grow Roses and to assist in general greenhouse work. A permanent position for a capable, temperate man. In writing state wages expected and where employed in Rose growing. Address, G. Q, care The Florists' Exchange.

WANTED—High-class florist, maker-up, an excellent salesman, to take charge of an up-to-date new flower store; wages $20.00 a week to start; good opportunity for the right man; must give bond or security for honesty. Sobriety insisted upon. Address, G. L., care The Florists' Exchange.

WANTED—Assistant with experience in Roses and Carnations, etc., who is sober and reliable, single; and able to assist with fires on a retail place of 16,000 sq. ft. of glass. Protestant; New Jersey location. Wages $30.00 per month, room and board to start with. Address G. G., care The Florists' Exchange.

Continued to next Column.

HELP WANTED

WANTED—Greenhouse constructor with some floral ability. Board and room furnished. Do not answer unless you mean business. Fair wages to party answering above requirements at once. H. B. Thompson, Canonsburg, Pa.

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understood thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A. No. 1 man. One of good appearance and capable of waitiug on high-class trade. Reference required and photograph if convenient. Address G. N., care The Florists' Exchange.

WANTED AT ONCE—An energetic young gardener, able to take charge of men, and well versed with planting, pruning and willing to work himself ahead. A good opening to the right man. Apply with references and wages expected to start in first letter.
The Horticultural Co., Worcester, Mass.

WANTED AT ONCE—A practical greenhouse man with a small capital to go in partnership with me; must be sober and honest. A chance to the right parties to make a fortune in a few years. Answer soon. SEDWICK R. BANKS, 3411 Pacific Avenue, Wildwood, N. J.

WANTED—Good man for Rose section, to come at once. ERIE FLORAL CO., Erie, Pa.

WANTED

Professional decorator and maker-up to furnish descriptive articles in his line for The Florists' Exchange. All communications absolutely confidential. Good remuneration.

Address, Editor FLORISTS' EXCHANGE, P. O. Box 1697, New York City.

Seedsman Wanted

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well-established nursery business. Address giving full particulars.

Elliott Nursery Co., Pittsburg, Pa.

STOCK FOR SALE

CARNATIONS

FIELD GROWN CARNATION PLANTS
6000 Lord and 1000 Victory, $35.00 per 1000.
Julius Chevalley, Blue Point, L. I.

CARNATIONS—Field grown, Lloyd, $5.00 per 100, $45.00 per 1000. Second size, $3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

EXTRA FINE CARNATION PLANTS
4000 Queen, $50.00 per 1000
4000 Lawson, $50.00 per 1000
Rowayton Greenhouses,
Rowayton, Conn.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS—Extra large and strong field grown stock; Enchantress, $6.00 per 100. Crocker, Queen and Prosperity, $5.00 per 100. W. C. Pray, Dobbins P. O., N. J.

CARNATION PLANTS
Extra fine field grown: Queen and Lady Bountiful, $5.00 per 100.
Wm N. Blackmon & Son,
Centre st., below Lalor st.,
Trenton, N. J.

FIELD GROWN CARNATION PLANTS—Clean and healthy; 700 Viola Sinclair, 230 Harlowarden, 140 Prospector, 80 Beacon, 50 Lady Bountiful, $6.00 per 100, $50.00 for the lot. Also 400 extra nice Boston Ferns at $25.00 per 100, for 5 and 6 inch pots. E. A. Richards, Greenfield, Mass.

STOCK FOR SALE—500 nice strong field grown Carnation Plants, Winsor, Victory and Enchantress (not mixed), $2.50 per 100. Cash with order please.
Pine Grove Gardens,
Bohemia, L. I., N. Y.
Frank J. Ruzicka & Son, Props.

CARNATION PLANTS

Free from stem rot and healthy. 700 Lawson, $4.00 per 100. 2500 Queen Louise, $40.00 per 1000, large plants. 2000 Harlowarden, $30.00 per 1000. Second size Lords and Queen Louise, $30.00 per 1000.

F. B. ABRAMS. - Blue Point, L. I.

Continued to next Column.

STOCK FOR SALE

CARNATIONS

CARNATIONS—4000 plants of Imperial, the Christmas money maker; $8.00 per 100, $50.00 per 1000. Also a few plants of O. P. Bassett and Mrs. J. C. Vaughan. Chas. Weber, Lynbrook, L. I., N. Y.

FINE CARNATION PLANTS

Field grown Queen Louise, Lady Bountiful, Red Sport, 3-in pots Lawson, Var. Lawson, White Lawson; all clean and perfectly healthy stock, $4.00 per 100, $35.00 per 1000. Cash with order. Virginia Nursery Co., Purcellville, Va.

STRONG FIELD GROWN CARNATION PLANTS
Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.
Henry Schrade,
Saratoga Springs, N. Y.

MISCELLANEOUS

FOR SALE—800 Bouvardia Plants, white and pink mixed, with a good ball of soil. A. L. Brown, 188 Davis ave., Kearney, N. J.

BOUVARDIA JASMINIFLORA, (white) large strong plants, field grown, $22,50 per 100. Cash with order. Petersen, 79 Central ave., Flushing, N. Y.

STOCK FOR SALE—Clematis Paniculata, extra strong roots, $8.00 per 100. Cash with order please. Michael Haugh, Walnut Tree Hill, Sandy Hook, Conn.

STOCK FOR SALE—Smilax, 2½-in. pots. $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Successor to A. Laub & Son, New Hamburg, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

PRIMULA OBCONICA—The very best flowering varieties, strong healthy plants, ready for 4 in. pots, $4.00 per 100, $30.00 per 1000. Cash with order. Henry Rudolph, Essex Fells, N. J.

VIOLET CLUMPS

Princess of Wales and California Violets, extra fine field grown clumps, $4.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

BEGONIA.—Flowering, 15 varieties, fine plants, some kinds in bloom, $5.00 per 100; try them. 3000 Ferns, large bushy plants from benches or pots, Boston Scottii, Whitmani, Elegantissima, etc., 16-25-30-36 cents each. A special bargain. Alonzo J. Bryan, Washington, New Jersey.

STOCKY strong plants of Daisy Snowball (white) Longfellow (pink) and Double Sweet William, 50c. per 100, $1.00 per 250, $3.00 per 1000. Double Wallflower strong, 12 inch high, $2.00 per 100. R. Monaghan, Abington, Pa.

STOCK FOR SALE—Peppers and Primroses, fine Christmas Peppers, well berried, in 5 inch pots, $1.50 per dozen, in 6 inch pots, $2.00 per dozen. Chinese Primroses, fine strain 3 inch, ready to shift, $4.00 per hundred. Obconicas, best strain, $3.00 per hundred. Cash or reference. John Lawrance, Ogdensburg, N. Y.

GOOD PLANT STOCK.
5000 American Beauties, at 8 cents each.
2000 Maids, at 5 cents each.
300 Gardenias (extra fine), at 15 cents each.
All planta in 4-in. pots; also 10 second-hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

STOCK FOR SALE—1000 Queen Louise, 600 T. W. Lawson, very strong healthy plants, $5.00 per 100, the lot for $60.00. Jerusalem Cherries full of berries from field 10c. 450 Campbell Violets field grown, nice plants, $5.00 per 100, the lot for $15.00. 100 4 inch Cyclamen, want to be shifted to 5 in., 15c., the lot for $12.00. Cash with order. Swenson, The Florist, Winsted, Conn.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

CYCLAMEN, fine thrifty plants, mixed colors, 3-in., $5.00 per 100. PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

Strong full grown Phlox, $3.50 per 100. Boule de feu, bright red; Athis, pink; Jeanne d'Arc, white; Josephine Gerbeau, white, red eye; Eclaireur, red white markings.
Peonies, 3 to 5 eyes, fine varieties, $6.50 per 100.
Festiva Maxima, $10.00 per 100.
Sunnyfield Nursery Co.,
Poughkeepsie, N. Y.

Continued to next Page.

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STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire, out of 3 and 3½ in. pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼ in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.

P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

SURPLUS STOCK FOR SALE

500,000 **California Privet**, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FOR SALE OR EXCHANGE

Any part, several thousand best hardy white **Phlox, Mrs. Jenkins, Independence** and **Stella's Choice**, strong undivided, 1 yr. field roots, 75c. per doz., $5.00 per 100. Extra heavy 2 yr. clumps, $1.00 per doz., $7.00 per 100.

Want Phlox in exchange, particularly fine named Scarlet, but will consider any choice variety, not white. Samples exchanged.

Amon Heights Nurseries, Merchantville, N. J.

FOR SALE OR RENT

FOR SALE—Nursery and stock. Can lease ground, one acre, for five years. Address, L. D. Jackson, 1932 Trinity st., Los Angeles, Cal.

FOR SALE OR RENT—On account of death of husband, will sell or rent two greenhouses, six-room house, barn, and two acres of land. Address, Mrs. Edwin J. Hill, 40 Hull st., Ansonia, Conn.

FOR SALE—Two greenhouses with lot and business. Area of houses, six thousand square feet. Right price to quick purchaser. Reasons for selling, sickness. Apply to Franz Welskopf, 364 First avenue, Bethlehem, Pa.

FOR SALE On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of eight rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.

H. KUHNERT & SON
HACKENSACK, N. J.

Small Fruit and Market Garden Farm

For Sale on Long Island

The subscriber offers for sale a Small Fruit and Market Garden Farm on the South side of Long Island in a noted Summer Resort Section. The property consists of greenhouses, store, barn, dwelling house and about three acres of well cultivated soil. The reason for selling is a recent death in the family. Can be purchased with or without house, for a small part cash and balance on mortgage. Full particulars upon application to

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California Land

Clean rich soil with water
$75.00 an Acre
Easy Terms

Select your Californuia home now in famous Kern County, where you can make the land pay for itself in two years with **Alfalfa, Fruit, Dairying, Hog Raising, and Gardening.** Join the prosperous

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Continued to next column

FOR SALE OR RENT

FOR SALE—Greenhouse establishment with four well stocked semi-iron frame greenhouses, good barn and out-buildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last four years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address D. J., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—3000 second hand Model Carnation Supports, in good condition at $10.00 per 1000. Henry Holzapfel, Jr., Hagerstown, Maryland.

FOR SALE—Rider Compression Hot Air Pumping Engine, 6 in., cost $240.00; will sell for $50.00. Dean Ferris, Peekskill, N. Y.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3250 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 68 Troutman St., Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Uaed two eeaaons. Good as new; price $160.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. **KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.**

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
15,000 sq. feet 10 x 12 double thick glass.
15,000 sq. feet 1½, 2 and 3-in. pipe.
5,000 flower pots, asst. sizes.
Three large boilers (hot water) sash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

MISCELLANEOUS WANTS

WANTED TO BUY—A second hand Ericson or Improved Ericson 8 in. engine; must be in good shape. State price. G. H. Walter, 416 Mifflin st., Butler, Pa.

WANTED TO LEASE—With privilege to buy, greenhouses or nursery. State rent, size, full particulars. Address "Landscape," care The Florists' Exchange.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, greenhouse plant, 15,000 to 20,000 feet of glass with dwelling and two or more acres of land, near New York. State full particulars in first letter. Address B. G., care The Florists' Exchange.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 6.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
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FOR SALE

The Greenhouses, Property and Business of

James Weir's Sons

BROOKLYN, N.Y.

For particulars apply to

JAMES L. BRUMLEY
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189 Montague St.
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WANTED

150 Swanley White Violets

(FIELD-GROWN)

Address, **F.K., care The Florists' Exchange**
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Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**
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FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. presaure, 8½c. 4 ply guaranteed 150 lbs. presaure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c, each.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for Gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1388-1408 Metropolitan Ave., BROOKLYN, N. Y.
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FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

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PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA.
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Use our columns when having extra stock to dispose of.

FOR SALE OR RENT

The Mergenthaler Greenhouses

East Washington Lane, Germantown, PHILADELPHIA, PA.

About 300 yards from Washington Lane Station, Phila. & Reading Railway.

Nearly three acres of ground. 17 Greenhouses, 2 Boilers.
Large well built modern residence.
Stable and Carriage House, Sheds, etc.
Terms will be made to suit purchaser.

HOWARD B. WILSON & CO., Attorneys
2122 GERMANTOWN AVE., PHILADELPHIA, PA.

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Michell's "Distinctive" Quality

French White Roman Hyacinths

For years we have supplied an exclusive quality of Roman Hyacinths and we are pleased to announce that our 1910 supply is again excellent. The uniformity in size of bulbs, the readiness to force, the splendid size and quality of flowers, the glistening whiteness in purity, are all points which, combined, make our **Quality Distinct.** No Florist can afford to be without them.

	Per 100	Per 1000
FIRST SIZE, 11 to 12 ctm.	$2.25	$20.00
MEDIUM SIZE, 12 to 13 ctm.	2.50	23.00
SELECTED SIZE, 13 to 15 ctm.	2.60	24.50
EXTRA SELECTED, 14 ctm. and over	3.00	28.00

READY FOR IMMEDIATE SHIPMENT

Our Leading Specialty—Michell's "Distinctive"

NARCISSUS PAPERWHITE GRANDIFLORA

Our sale of this important bulb has during the last few years increased to such proportions that we can positively claim to be the largest importers of this bulb in America. A proof by itself of the **distinctive meritorious quality of Michell's Bulbs.** Notwithstanding the high quality, it is our prices which win us new friends. Just compare.

	Per 100	Per 1000	Per case of 1250 bulbs	Per 4 cases or 5000 bulbs
FIRST SIZE, 13 ctm. and up	$1.00	$9.00	$11.00	$43.75
			Per case of 1000 bulbs	Per 5 cases or 5000 bulbs
MONSTER BULBS, 14 ctm. and up	1.30	11.00	$11.00	$53.75

PROMPT SHIPMENT GUARANTEED

A Profitable Flower

FRENCH GROWN NARCISSUS TRUMPET MAJOR

If planted immediately these can readily be forced for Christmas and will sell at big prices. While the quality of the flowers is fully equal to the Dutch-grown Trumpet Major, it is **only the French-grown** which can be forced early and we offer "Distinctive Quality" Bulbs.

	Per 100	Per 1000
FIRST SIZE	$1.25	$11.00
MAMMOTH BULBS	1.50	12.50

Henry F. Michell Co.

Our Complete Offer of "DISTINCTIVE" FLORISTS' Bulbs, Seeds and Supplies FREE

Market St., above Tenth

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Indianapolis

The Indiana State Fair is the principal attraction with a number of our local florists. Very nice exhibits of foliage and other plants have been made to date but premiums have not been awarded.

Fred. Dorner is acting as judge and states that an unusually fine exhibit is promised by those in charge. Mr. Herman Junge is looking after the arrangements at the Hall, so that the interests of the exhibitors may be furthered. A full account of the display will be sent the EXCHANGE for its next issue.

Henry Duderstadt is at his post after an enjoyable vacation. Heller Bros. are booking contracts for American Beauty in this section; nearly their whole establishment is planted with the same and they are making heavy shipments.

Tomlinson Hall Market is not supplied with many flowers at present; the principal business is being carried on by the retail stands.

Wm. Farley has accepted a position with Bertermann Bros. Co.

Greenfield, Ind., held its second annual Aster display Sept. 8. A number of Asters were exhibited which would do credit to the larger flower centers.

Harrisii Lilies were a scarce article last week. I. B.

Cincinnati

Business is very good for this time of year with stock coming in nicely. Lilies are a little scarce; balance of stock is about enough to supply. Am. Beauty still in the lead.

We had the pleasure of a call from Chas. S. Barnaby, mayor of Columbus, Ind., who was here as the guest of the exposition committee to attend the Theo. Roosevelt reception of Sept. 9; we are glad to see that some of our florists' friends are occupying good positions in the political world. The reception to Teddy was very elegant and, as at all of the places where he has been, he was busy every moment; he left Cincinnati with a good taste in his mouth for the "Queen City." He went from here to Columbus, O., to help settle the strike; we certainly hope that the authorities at Columbus will profit by Teddy's advice, for it is certainly something that the State of Ohio is not very proud of.

Miss Matilda Garges has had as her guest during the past week her cousin, Walter Garges of Zanesville, Ohio.

The exposition is still drawing large crowds of people, and the floral decorations, which are the embellishment of the entire show, are still coming in for their share of praise. B. P. Critchell, former park superintendent, is the man who originated the ideas and put them into effect. The authorities of New Orleans who have been here and have noticed his work have their eye on Mr. Critchell for their exposition, which undoubtedly they will get when they open the Panama Canal, at least we hope so. E. G. GILLETT.

Utica, N. Y.

Mr. and Mrs. Quinn and daughter of Norwich, N. Y., were in town last week calling on the florists. F. J. Lee of Cazenovia, N. Y., and S. S. Skidelsky of Philadelphia were also here last week.

Trade is much better since the beginning of the month. Plenty of Asters and some new Carnations are coming in and Roses are in fair cut.

Brant Bros.' 'Mums are looking fine. The Carnations are also good and showing some buds. Roses are in fair cut, in fact, everything about the place is in first-class shape.

Chas. Seitzer has a fine house of about 1000 strings of Smilax, just ready to cut, and it is excellent. He is cutting some very good Carnations from his new plants. He has 'Mums now showing color and very promising.

At Bigelow & Son's, Sunset ave., Carnations are all planted and a house of Sweet Peas is looking fine. There is also a good house of 'Mums. Joe Soder, formerly with Robt. Boyce, is the grower.

Frank McGowan's Carnations are looking fine, and also his 'Mums. He is preparing to sell a large quantity of bulbs this season.

The boys who attended the convention at Rochester cannot say enough about the good time and treatment they received. F. J. Baker, F. McGowan, Mr. Brant, Mr. Williams, Mr. Kilbourn, Mr. Graham, and Mr. Snell are all praise for Rochester and the florists.

The Utica Florists' Club held a meeting on Sept. 1 at Genesee Hall. While there was only a small attendance it was a good meeting. The next meeting will be at the same place, on Oct. 6, where we shall have a smoker and something good to eat, and hope to see a good turnout. We hope to have something interesting at every meeting this Winter and the most interesting thing will be, first, to see a good attendance. The new by-laws will be out at the October meeting. H. Brant was elected second vice-president.

Quite a large number of the Utica Florists will attend the State Fair at Syracuse. There is always something of interest to see, in a large way, as there is a big display of flowers, etc.

QUIZ.

Worcester, Mass.

There is every indication of an early Fall and the local florists have made their plans accordingly. Fall flowers and plants are doing nicely and wholesalers and retailers report good available stocks.

Now that the residents have returned from mountain and shore they are giving attention to beautifying their homes with indoor plants and window boxes.

H. F. Littlefield, in his store at 409 Main st., which is in charge of Harry Randall, has one of the handsomest Fall windows of the season. A large cluster bouquet of Easter Lilies was placed in a tall vase in the middle of the oblong display window and around it was disposed small jardinieres of hardy Ferns as for greenery, Roses, Asters, and Carnations in pink and red, furnished the color scheme. The bark boxes for Ferns are placed in rows from the floor to the ceiling, forming a magnificent background for the cut flowers. Mr. Randall reports a good business in green goods for house decoration and an equally good demand for cut flowers.

Charles D. Thayer, one of Worcester's oldest florists, who has served the trade for over forty years, reports a nice business. His greenhouses on Ripley st. have been repaired and put into first class condition during the Summer. Two houses have been used for Chrysanthemums which, Mr. Thayer says, are progressing nicely. Funeral and decorative work keeps him busy, while there is an increased demand for his bedding plants.

The H. F. A. Lange stores are more attractive than ever; Bay trees, Palms, Ferns and other plants convert the show room into a perfect bower. Carl C. Lange of this firm, was married in the Marlboro city hall, Monday night to Mrs. Sadie G. Buchanan Wilton. The ceremony was performed by Peter B. Murphy, city clerk of Marlboro.

C. D. Mackie is busy filling Fern dishes and window boxes and preparing for his usual Fall trade. Funeral work and decorating have made a fairly good Summer business for Mr. Mackie.

A number of orders for September and October weddings have already been placed with F. A. Madaus.

Roses are bringing from $1 to $3 for firsts while poorer varieties go at 25c. to $1 per dozen. Carnations are on sale for 50c. Boston and Whitmani Ferns of fair size are shown for 49c. apiece.

F. A. Barnes of Hope Cemetery called attention through the papers to his Roses which are still in full bloom. Two beds, one of a large white, the other a smaller Rose, of deep red, have bloomed all Summer and are still blossoming; as both are outside Roses a number of visitors were attracted. E. D.

New Bedford, Mass.

Business the past week has been fairly good. About the main things to be depended on just now are Asters, and they are none too plentiful of good quality; they retail at 35c. and 50c. per dozen. Good Roses retail at $1.50 per dozen, some at $1 per dozen. A few Carnations are to be seen at 50c. per dozen retail, but not in great quantities. Gladioli bring $1 per dozen. Sweet Peas are all gone from outdoors to pick from for making up bouquets.

Most of the growers have housed their young Carnations plants, which are very fair in quality; the last part of the season was wet, but at the first it was rather dry, and in general plants are not quite up to last year's standard. There is a good call for surplus Carnation plants; they are scarce around here just now.

Wm. E. Mosher of North st., has some nice Whitmani Ferns; he also has about 5000 Princess of Wales Violet plants.

A hearing will be given the creditors of J. H. Cleary on Sept. 21. S. S. Peckham, the florist of Fairhaven, Mass., is one of the heaviest creditors.

Sunday, Sept. 11, was "Flower Sunday" here. This is a day which has been observed here for the past three years. The florists report a very fair demand for flowers. E. H. Chamberlain disposed of 1400 Asters alone on that day, besides bouquets, etc.

Harry Kranzler, with Chamberlain, and Julius Rusitzsky, with Wm. P. Pierce, are in New York for a week's visit.

S. S. Peckham will cut about 3000 'Mums this season. His Carnations are all housed.

The New Bedford Hort. Society will hold its annual Dahlia show Sept. 15-17; this will be looked forward to with great pleasure by all interested in flowers.

H. A. Jahn is cutting some nice Carnation blooms at his Brock ave. place. Mrs. Jahn's Dahlias are a fine sight just now.

Wm. F. Turner & Co. are now cutting some fine Dahlia blooms; they have some grand varieties.

We are having cool nights, and may have frost any time. HORTICO.

Providence, R. I.

The bulb season is opening in Providence and the bulbs are coming in, in very good condition. W. S. Pino has received several large consignments of French and Dutch bulbs in the past few days.

The Providence Seed Co. has also received its supply of bulbs, as well as the W. E. Barrett Co.

Price on Timothy has advanced almost to a prohibitive price; some dealers are getting for certain grades $4.25 per bus., while others are getting $4.50 to $5 per bus.; clean Red Top 17c. to 18c. lb.

W. A. Fisk, president of the W. E. Barrett Co. is still at Providence Park, his Summer residence.

Mr. and Mrs. Frank E. Saunders, entertained a number of friends and relatives at their home, 25 Burnett st., this city, a few days ago, the occasion being the celebration of their silver wedding anniversary. The event came as a surprise to the host and hostess.

The house was decorated with cut flowers and potted plants, some 3000 Asters being used for the floral display in the parlor and dining room. Several pieces of silver were presented to Mr. and Mrs. Saunders by their friends. Mr. Saunders who conducts a florist business at 354 Elmwood ave., was married to Miss Mary B. Foster, daughter of Jerry B. Foster of Quidnick, on Sept. 12, 1885, in Griswold, Conn., and they have one daughter, Miss Ullie E. Saunders.

Wm. Appleton is reported to be very sick. Johnston Bros., Dorrance st., have a fine display of fancy Dahlias in their show window, grown by Joshua Vose of Mayfield Farm, near Howard, R. I.

John F. Wood will give up the fruit stand in front of his florist store in about a week. He reports that business during the Summer months in the fruit line has been very good.

Geo. F. Williams, treasurer of the W. E. Barrett Co., Providence, spent Saturday in New York City.

Mr. Jurgens of Newport, R. I., D. E. Newell of Attlehoro, Mass., and S. Kinder of Bristol, R. I., were recent visitors.

S. Kinder & Bro. had a large wedding decoration on Wednesday.

J. Koppleman & Co., report business quiet, with a shortage on Roses at present.

H. C. Neubrand returned on Saturday from a week's outing in the White Mountains.

F. Macrea & Son have now a constant supply of giganteum Lilies in bloom.

Green Galax is coming in from the South in fine condition. Late Asters are recovering from the recent storm. Sweet Peas are passing out of the market.

The Market

Roses: Firsts, $6 to $8; seconds, $3 to $6; thirds, $1 to $3 per 100; Am. Beauty, $5 to $25 per 100. Asters, 25c. to $1 per 100. Lilies, $6 to $8 per 100. Lily of the Valley, $3 to $4 per 100. Galax, 1 per 1000. Asparagus, 25c. to 50c. bunch. Adiantum Ferns, $1 per 100.

H. C. N.

Catalogs Received

VAUGHAN'S SEED STORE, New York and Chicago.—Vaughan's Autumn Flower Bulbs, 1910, containing a very full listing of Fall Bulbs, Ferns, Palms and other Decorative Plants, Hardy Shrubs for Fall Planting, Fruit Trees, Strawberry Plants, Hardy Perennial Plants, Peonies, Grass Seed, Garden Vegetable Seeds, Tools and Requisites.

THE CONARD & JONES CO., West Grove, Pa.—New Floral Guide, Autumn 1910, listing Bulbs and Flower Seeds for Fall Planting, Lawn Grass Seed, Ornamental Ferns and Palms, Flowering House Plants, Carnations, Geraniums, Fuchsias, Fruits, Roses, Hardy Ornamental Dormant Shrubbery, Hardy Perennials, Hardy Climbing Vines, etc. Illustrated.

DREER'S PALMS Our Leading Specialty

Clean, Healthy, Vigorous Plants of Good Color and Value

ARECA LUTESCENS

A splendid lot of well-shaped plants, of good color.

2¼-in. pots, 1 plant in a pot.....85c. per doz.; $6.00 100
6-in. pots, 3 plants in a pot, 28 to 30 in. high.....$1.00 each
7-in. pots, 3 plants in a pot, 36 in. high.....$2.50 each

COCOS WEDDELIANA

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high.....$1.50 per doz.; $10.00 per 100
3-in. pots, 8 to 10 in. high..... 2.00 per doz.; 15.00 per 100
5-in. pots, 18 to 24 in. high, splendid plants.....75c. each
7-in. pots, 34 to 36 in. high, grand specimens.....$2.50 each

KENTIA BELMOREANA

2¼-in. pots, 4 leaves, 8 to 10 in. high, $1.50 per doz., $10.00 per 100; $90.00 per 1000
6-in. pots, 6 leaves, 20 to 24 in. high.....$1.00 each
6-in. pots, 6 to 7 leaves, 26 to 28 in. high..... 1.50 each
Specimen plants, 9 to 10 ft. high, in tubs.....$40.00

KENTIA FORSTERIANA

2¼-in. pots, 4 leaves, 8 to 10 in. high, $2.00 per doz.; $15.00 per 100; $140.00 per 1000
3-in. pots, 5 leaves, 12 to 15 in. high, $2.50 per doz.; $20.00 per 100; $175.00 per 1000
6-in. pots, 6 leaves, 28 to 30 in. high..... $1.00 each
6-in. pots, 6 leaves, 34 to 36 in. high..... 1.50 each
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high..... 5.00 each
10-in. tubs, 6 to 7 leaves, 72 in. high..... 10.00 each
11-in. tubs, 6 to 7 leaves, 84 to 90 in. high..... 15.00 each

The following are exceptionally heavy and valuable decorative plants.

14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high.....$25.00 each
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high..... 30.00 each
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high..... 35.00 each
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high..... 40.00 each
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high..... 50.00 each



KENTIA FORSTERIANA—Made-up Plants

7-in. tubs, 3 plants in a tub, 36 in. high..... $2.50 each
7-in. tubs, 3 plants in a tub, 38 in. high..... 3.00 each
8-in. tubs, 3 plants in a tub, 40 to 42 in. high..... 4.00 each
8-in. tubs, 3 plants in a tub, 42 to 45 in. high..... 5.00 each
8-in. tubs, 3 plants in a tub, 4 ft. high..... 6.00 each
9-in. tubs, 3 plants in a tub, 4½ ft. high..... 8.00 each
10-in. tubs, 3 plants in a tub, 5 ft. high..... 10.00 each
12-in. tubs, 3 plants in a tub, 5½ ft. high..... 15.00 each
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy..... 20.00 each
16-in. tubs, 3 plants in a tub, 7½ to 8 ft. high..... 25.00 each

LIVISTONA ROTUNDIFOLIA

We offer a fine lot of this desirable miniature Fan-Palm.

2¼-in. pots .....$1.50 per doz.; $10.00 per 100
3-in. pots ..... 2.00 per doz.; 15.00 per 100
4-in. pots ..... 3.50 per doz.; 25.00 per 100
5-in. pots ..... $6.00 per doz. (nicely characterized)

PHOENIX RUPICOLA

Good 6-in. pots.....$1.50 each
Good 8-in. pots..... 2.50 each

PHOENIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer:

4-in. pots, nicely characterized.....60c. each
5-in. pots, nicely characterized.....$1.25 each
6-in. pots, nicely characterized..... 2.00 each

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc., 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.



ST. LOUIS, Sept. 12.—The market the past week was not quite so dull, some improvement being shown for which the opening of the public schools and the downtown theatres was mainly responsible. The weather has been warm again since the recent heavy rains which were so badly needed. We are all looking forward to cool weather and the revival of trade in general.

The commission men are receiving plenty of stock of all kinds, but as to quality that is not yet up to the standard. Roses show the most improvement and sell from $2 to $6 per 100. Am. Beauty run from $5 to $25 per 100. Carnations, also are looking better, the best bringing $2 per 100, but there is nothing real fancy in the market. Gladioli are $3 per 100; Tuberoses, $1 to $2 per 100; Asters, fancy, $5, and from that down to 50c. per 100. The above is what makes up the market daily at present with every kind of greens in plenty.

ST. PATRICK.

NEW YORK, Sept. 14.—The volume of the all the year around flowers, such as Roses, Carnations, etc., and of the Autumn flowers, such as Dahlias, and Chrysanthemums, now arriving in the market is gradually increasing, but of Summer flowers, such as Asters and Gladioli, is very perceptably decreasing. Business is more or less spasmodic, and has not yet reached the point of a steady increase, to which all, except the pessimists, are hopefully looking forward.

American Beauty Roses are now more plentiful, in fact the supply today is greatly in excess of the demand, and a clean up is only effected by concessions in price, and even then with difficulty. Specials are selling in limited quantities at 20c. each, but large sales are only effected at a lower figure. The range of price covering all grades of blooms is from 50c. per 100 to 20c. each. There is an abundant supply of all other Roses, and only a moderate demand. The movement is consequently rather sluggish. Of the pink Roses, My Maryland shows up the best, and Kaiserin in the white class, but good Bride are favored by some buyers. The lowest grade blooms of all the above and also of Bridesmaid and Richmond are selling at as low as 25c. per 100, while the highest grade blooms scarcely reach the 5c. each mark; in Richmond the top figure is 3c. each, and in Bride and Bridesmaid 4c. each.

The increasing supply of Carnations meets with only a fair demand and the flowers are of such a quality as to command only $1 per 100, with the exception of a few longer stemmed blooms of a better quality which sell readily at $1.50 per 100.

The Orchid supply is increasing, Cattleya labiata, the favorite Autumn variety, is now coming in. The demand and supply is well balanced. Some choice Cattleyas bring as high as 75c. each, but this is exceptional, and 60c. is the ruling price for the best blooms. The supply of Gardenias is more plentiful and flowers

are of better quality. The demand is not heavy. In small quantities the choicest blooms bring $3 per dozen. The supply of Lilies is just now short, but the present demand is so small that the price of a week ago remains practically unchanged, namely 6c. each for the best blooms. Lily of the Valley is plentiful and its movement somewhat sluggish; $3 per 100 is the top notch price.

The volume of Asters is plainly diminishing, and those arriving are in general of such a quality as to cause slow sales, very few realizing more than $1.50 per 100, and very many going for 20c. per 100. Gladioli from the bulb growers have ceased to come into the market, and the supply from the flower growers is now small. The best blooms bring 2c. each. The supply of Dahlias is steadily increasing, and among arrivals may be seen some of the choicer varieties. The sales, however, seem rather sluggish; $2 per 100 is the top price, except in the case of some fine Dijon Dahlias, which realize as high as 75c. per dozen. Golden Glow at present is the only 'Mum arriving, and buyers do not seem at all hungry for it; $1.50 per dozen is the highest price. Tritoma is abundant and the sales slow; $1.50 per 100 is the best price obtained.

Smilax is a drug on the market; $1 per dozen strings is the highest price and 50c. the lowest. Adiantum, also, moves very slowly. Asparagus plumosus is moving a little more freely, and at a trifle better price.

PHILADELPHIA, Sept. 12.—The cut flower market today does not show a large volume of business, but there is an improvement as compared with one week ago. The market is apparently very nearly at the parting of the ways between Summer sluggishness and the beginning of Autumn activity. The supply of American Beauty Roses is slowly increasing, and the quality as well. They are pretty well cleaned up by a fair demand, but without much change in price. Specials in small lots are selling for 25c. each; in larger sales about 20c. each is the price. The culls and ordinaries sell down to 4c. each, and even a lower price is often named. There are some good Killarney Roses now coming in, but both they and Bride, and especially Bridesmaid, leave much to be wished for as regards quality. The top price for the best blooms, of all these, and also for Richmond, which is improving in quality and price, is 6c. each. Perle and Golden Gate are selling at the same figure. My Maryland, and Kaiserin, now the best white Rose on the market, and a little more abundant this week, realize 8c. each for the best blooms; 2c. each, or in a clean up even less, is the price of the lowest grade blooms of all Roses outside of American Beauty. The supply and demand are pretty well balanced.

Carnations from the young plants are coming in more abundantly, with longer stems and larger flowers, but the outlook is decidedly against large arrivals of Carnations for some time to come. The demand uses up the supply at 2c. each for the best blooms, and 50c. per 100 for the poorest.

Orchids are more abundant, and as the demand is not very heavy the price has fallen to 50c. each for the best flowers. Lillies are not over abundant, and the demand cleans up the supply at 10c. to 12½c. each. The supply of Lily of the Valley is quite plentiful, and it is moving only moderately well at prices ranging from $2 to $4 per 100. Gardenias are improving in length of stem and size of flower, but the price is unchanged, remaining at $1.50 per dozen for the best, and 50c. for the poorest blooms. There are today very few Asters in the markets. Whether it is only a temporary lull in the storm or the passing of the Aster remains to be seen. More good Asters could be used. The best blooms bring $2 per 100. What has been said of the Aster is true also of the Gladioli; the range of price for these is $1.50 to $4 per 100, but very few are of a quality to command the higher figure.

There is Cosmos of many colors, more than enough indeed, so sluggish is the movement. The highest figure obtained is 50c. per 100, and from that down to 20c. The supply of Dahlias is increasing, and the quality of flower, and length of stem more satisfactory. They are not yet moving over briskly, still a good many are disposed of at prices ranging from $1 to $3 per 100, only a few realizing the latter figure. Some Golden Glow 'Mums are coming in, but buyers do not seem very greedy for them; $1.50 per dozen is the price, though a few realize $1.80 per dozen. Tritoma does not seem to ingratiate itself in public favor very fast. It sells slowly and at a low price, and has all the season. Most of it goes for $1 per 100, though in some sales $2 is realized. In greens, Adiantum still lags, and Asparagus and Smilax meet with a little better demand.

BOSTON, Sept. 13.—The market is not quite as brisk this week, although the supply is not very much increased over that of last week. Asters are very plentiful, in all grades, and prices have sagged somewhat. Asters will soon be replaced by early Chrysanthemums; there are some to be seen now, at this early date.

Roses of the better grades clean up nicely and at fairly good prices. American Beauty sells the best, and prices run from $3 to $25 per 100. Killarney is more plentiful and prices run all the way from 50c. to $10 per 100. My Maryland brings from $1 to $10 per 100; Kaiserin from $1 to $12 per 100. There are a few flowers of Aaron Ward to be seen now. Kaiserin and My Maryland seem to be the favorites at this time.

Carnations are becoming slightly more plentiful, but they are quite short stemmed yet. Lilies are plentiful, mostly longiflorums. There are very few Sweet Peas now. Gladioli are more plentiful but the cold nights are affecting them somewhat. There is plenty of Cosmos, Candytuft and other outdoor flowers. Asparagus Sprengeri and plumosus are both quite plentiful but move rather slowly now.

R. C.

CHICAGO, Sept. 13.—The weather has had a marked effect on the market, decreasing both the supply and demand. The successive wet days necessitated starting fires in Rose greenhouses to prevent mildew. However, at this writing, Tuesday, the weather seems to have settled. While Roses are not coming in so plentifully as a week ago, there are plenty for all requirements. American Beauty is moving off nicely, at prices quoted a week ago. Richmond abounds; in fact there seems to be more Richmond than ever before, and flowers in the main are exceptionally fine. Other Roses are coming in also much improved in quality.

Carnations begin to look like the real thing. Prices have advanced, and this week finds the best selling for $3 per 100.

Asters are not so numerous, nor as good as last week. They are nearing the end of the crop; the price has decreased somewhat, 3c. being a good price for the best obtainable. Gladioli are not in such abundance, although there are many good spikes of the fancy kinds still shown; 4c. is about the highest price obtainable for the best.

Lilies are not so plentiful. L. auratum seems to have shortened materially in supply. Valley is coming in, improved each day.

Some good Swainsona is to be had and is being used extensively for bridal bouquets, with Orchids. Orchids are increasing in quantity a little each day.

Celosia and Marigolds are to be found at several places, also Dahlias, with a few other miscellaneous flowers. Tuberoses are arriving in greater quantities, and the next two or three weeks will find plenty of them in good quality. Wild Smilax is moving well, but very little is kept on hand, as it is too soft to keep, and the dealers telegraph their orders as needed. All other greens are good and abundant.

INDIANAPOLIS, Sept. 12.—Indianapolis residents are fairly flocking homeward and the result is already noticeable in the flower business. Counter trade has improved very much and the better grades of goods are moving more quickly than for some weeks.

Funeral work and decorating contracts are light but the increase in counter demand more than offsets the same.

Long stemmed Roses are being sent in and find a steady outlet. Prices are firmer at $5 to $6 per 100 for Killarney, Richmond and Kaiserin Aug. Vic.; seconds bring one-half of the above figure. American Beauty are in unusually fine condition for this period and are selling well at $3 to $20 per 100.

Carnations are in oversupply at 50c. to $1 per 100; the retail price for them is 25c. to 35c. a doz; white, for designing, outsell the other colors.

The Aster season is drawing to a close. Poorer grades are supplied at 25c. to $1 per 100; a few good indoor grown are sent in at $1 to $2 per 100.

Blooming plants are still a scarce article. The sale for them is with us but the supply is lacking. The opening of the public schools always permits the sale of a large number of foliage plants, hanging baskets and windowboxes.

I. B.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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New York

The S. S. Pennock-Meehan Co. will open its store at 109 West 28th st. on Monday, Sept. 19. Percy B. Rigby, who for several years has been identified with the florist business, and for the past few years has been treasurer of the S. S. Pennock-Meehan Co., will be the manager of the New York store. William J. Moore, who for many years has been connected with the wholesale cut flower business, and who at one time was manager of the S. S. Pennock-Meehan store at Washington, D. C., and has recently been connected with the Philadelphia store, will be a valuable assistant to Mr. Rigby in this new enterprise. Florists' supplies, as well as a full line of cut flowers, will be handled at the New York store.

The new Fern, Nephrolepis Dreyerii, grown by G. Dreyer, Elmhurst, L. I., which was recently registered with the S. A. F. and also received such favorable notice when exhibited at Rochester, is now being offered for sale for Oct. 1 delivery, by Kessler Bros., 136 and 138 W. 28th st. It had not been expected to disseminate this Fern until a somewhat later date, but its ready propagating qualities and its rapidity of growth, which is one of its strong characteristics, caused a change of plans.

The American Institute will hold its Dahlia show Sept. 20 from 6 to 10 p.m. and Sept. 21 and 22 from 10 a.m. to 6 p.m., at Berkeley Lyceum Building, 19 and 21 West 44th st. In addition to Dahlias, Orchids, Gladioli, Herbaceous Flowers, Ferns, Palms, Fruits and Vegetables will be on exhibition. Admission to the public, 50c.

Wm. Elliott & Sons started their auction sales on Tuesday last with a good attendance, and the stock offered brought satisfactory prices. From now on during the Fall season Messrs. Elliott will, as usual, continue these auction offers in decorative plants, bulbs, etc., every Tuesday and Friday, commencing at noon, sharp, at their salesroom, 42 Vesey st.

The MacNiff Horticultural Co., 62 Vesey st., held its initial auction sale of plants, bulbs, etc., last Tuesday, Sept. 13, and a most successful one it was. Prices obtained were satisfactory, especially for the Palms and large Ferns. The attendance was good, and Mr. MacNiff starts off with a good following.

The Fruit Auction Co. will hold its first Autumn sale of Palms, Ferns and seasonable foliage plants next Tuesday, September 20, at 10.30 a.m. at its auction salesrooms, 200-202 Franklin st. This company has spared no pains to gather together some very good stocks from the best growers, and a large attendance is assured. It might be mentioned in this connection that in no years has the demand for good foliage plants been as strong as every indication points to its being this Autumn.

President A. L. Miller of the New York Florists' Club entertained at dinner at Guffanti's all the committeemen who attended the meeting called by the secretary for Monday afternoon at the store of Walter F. Sheridan.

Alexander Smith has given up his stand at the N. Y. Cut Flower Exchange, West 26th st., where business has been carried on under the name of Charles Smith ever since the Exchange opened in 1902, and has gone to Bound Brook, N. J., to assist his brother Charles in growing. Another brother, Fred, will continue the growing at Woodside, L. I. The cut of flowers from both ranges will be shipped to New York wholesalers.

Charles A. Dards, who, with Mrs. Dards, has been to Europe on a pleasure trip since June 15, has returned to this country, arriving in New York on Sept. 4, on the S. S. Lapland. Edward E. Bourke, manager at Dards, where he has been for thirty-one years, has just returned from a four weeks' vacation which he has been spending with his wife, son and daughter at White Lake, Sullivan Co., N. Y. White Lake is 2500 ft. above the sea level, and Mr. Bourke reports good bass and pickerel fishing there, pleasant drives, picturesque scenery, and a very enjoyable vacation, from which he and all of his family return in excellent health. "While the cats are away the mice will play" runs the old adage. Not that it is exactly true that Mr. Dards' employees spent their time in play while he was in Europe, for the fine condition of his store at all times forbids any such conclusion, but the fact is the matrimonial fever attacked his employees and three succumbed to that world old disease. H. Ramm, the bookkeeper was the first victim on July 18, particulars having already been given in our col-

(*Concluded on page 528*)

J. K. ALLEN

COMMISSION DEALER IN CUT FLOWERS

Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)

Consignments of all varieties of Cut Flowers solicited.
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Wholesale Prices of Cut Flowers, New York, Sept. 14, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	12.00 to 20.00	Inferior grades, all colors	.... to .50
" extra	8.00 to 10.00	Standard Varieties White	.50 to 1.50
" No. 1	4.00 to 6.00	Standard Varieties Pinks	.50 to 1.50
" No. 2	2.00 to 4.00	Standard Varieties Red	.50 to 1.50
" No. 3	.50 to 1.00	Standard Varieties Yel. & Var.	.50 to 1.50
Killarney	.25 to 5.00	*Fancy White	.... to ....
White Killarney	.25 to 5.00	(* The highest grades of Sta'd varieties) Pinks	.... to ....
My Maryland	.25 to 5.00	(* The highest grades of Sta'd varieties) Red	.... to ....
Richmond	.25 to 3.00	(* The highest grades of Sta'd varieties) Yel. & Var.	.... to ....
Mme. Abel Chatenay	.... to	Novelties	.... to ....
Kaiserin	.25 to 5.00	Gardenias, per doz.	.50 to 3.00
Golden Gate	.... to	Gladioli	1.00 to 2.00
Bride, Maid, fancy—spec.	.... to	Hydrangea	1.00 to 2.00
" extra	2.00 to 4.00	Lilies, Harrisii and Longi.	.... to 4.00
" No. 1	1.00 to 2.00	Lily of the Valley	.50 to 3.00
" No. 2	.25 to .50	Mignonette, per doz.	.... to ....
Adiantum	.... to .50	Narcissus	.... to ....
Croweanum	.... to .75	Orchids, Cattleyas	25.00 to 60.00
Antirrhinum (per bunch)	.... to	Cypripediums, per doz.	.... to ....
Asparagus, cut strings	.25 to .40	Dendrobium Formosum.	.... to ....
Plumosus, bunches	.15 to .20	Pansies, per doz. bunches	.... to ....
Sprengeri, bunches	.15 to .20	Poinsettias, per doz.	.... to ....
Asters	.20 to 2.00	Hyacinths	.... to ....
Bouvardia	.... to	Smilax (per doz. strings)	.50 to 1.00
Callas	.... to	Stevia, per bunch	.... to ....
Chrysanthemums, per doz.	.75 to 1.50	Sweet Peas, per doz. bun.	.... to ....
Dahlias	.25 to 2.00	Tritoma	1.00 to 1.50
Ferns, per 1000	1.50 to 2.00	Tulips	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond,
Lilies, Lily of the Valley, Carnations
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55 West 28th St., NEW YORK
Telephone, 1462-1463 Madison Square CUT FLOWERS AT WHOLESALE

A. L. Young & Co.
WHOLESALE FLORISTS
54 West 28th Street, NEW YORK
Telephone, 3559 Madison Square.
Consignments of Choice Cut Flowers Solicited.
Prompt Payments Give us a Trial

THE AMERICAN CARNATION
Price, $3.50
T. A De La Mare Ptg. and Pub. Co. Ltd., N. Y.

S. S. Pennock-Meehan Co.
Announce that they will open their
New York Store,
No. 109 West 28th St.,
Monday Sept. 19th, for the sale of Cut Flowers, Ribbons and Supplies.
The store will be in charge of Mr. P. B. Rigby, treasurer of the Company, assisted by Mr. Wm. J. Moore. It will be the purpose of the Company to maintain the same high standard that has been characteristic of their Philadelphia Establishment.
We solicit the patronage of our New York friends and extend an invitation to all to inspect us.
Our method is to guarantee satisfaction.

William P. Ford
Announces
That about the 15th to 20th of September, His New Store at
45 West 28th Street
NEW YORK CITY
will be open for the transaction of business. Consignments of Cut Flowers are solicited from Growers. Courtesies to Old Time Friends and New Customers in the Retail Business are cordially extended.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New York City News Letter

(*Concluded from page 526*)

umns, and he has recently returned with Mrs. Ramm from the Thousand Islands, Montreal, Portland and the White Mountains; they will reside at Hoboken, N. J. The next employee afflicted with the disease was Graig Muir, who was married Aug. 17; Mr. and Mrs. Muir are spending their honeymoon at Asbury Park, N. J., and after their return will reside at West 136th st. The latest victim is Fred E. Evans, manager of the corresponding department, who married Miss M. Murray at the Hotel Astor on Sept. 7; the decorations were in white and green, and after the marriage service luncheon was served to all of the store employees, and about 200 other guests. Mr. and Mrs. Evans are spending their honeymoon at Old Point Comfort, Va., and after their return will reside at 155th st. and Edgewood ave. Dards' store has been handsomely redecorated recently by the Tiffany Studio Co. All available space is filled with decorative plants; among them are noted some extraordinarily large, well grown Boston Ferns in 16-in. tubs and 12-in. pans, some fine specimens of Palms, and some beautiful plants of Aralia Sieboldi and A. elegantissima. The window space at Dards is very large and the decorations instead of being placed directly on the window floors are grouped in window boxes of various shapes designed by Edward Multillod, who, by the way, is the architect and builder of the greenhouse range of the Secaucus Exotic Nursery Co. at Secaucus, N. J., one of the most artistic as well as practical commercial ranges observed anywhere. Among the plants grouped in these window boxes may be mentioned Croton Reedii, Dracæna Godseffiana, D. Massangeana and some well grown Celosias in red and yellow shades. The entrance of the store, too, is made inviting by some fine specimens of Boxwoods and Bay trees placed outside.

John S. Nicholas, 37 E. 42d st., recently returned from a vacation trip to the Thousand Islands, Niagara Falls, and several Canadian cities. M. J. Nicholas, his son, after going up the Hudson in his motorboat as far as Albany, spent a week autoing with friends, visiting among other points Lenox and Pittsfield, Mass. He then continued his motor boat trip north through Champlain Canal with its twenty-three locks, visiting Fort Ticonderoga, Burlington and Rouse's Point, from this place returning to New York. Mr. Nicholas reports that business is already beginning to improve, and that he thinks that the outlook is good. A fine stock of Nephrolepis Ferns of several varieties in the large sizes and other decorative plants show that Mr. Nicholas is acting upon his expressed opinion of the business outlook. Furthermore, his ice box is well supplied with fine flowers, including an unusually good stock of choice Orchids in variety. The store window is made attractive by well arranged plants and blooms, especially by several of those dainty Japanese baskets filled with several varieties of Orchids. A remark to Mr. Nicholas in regard to this lavish display of Orchid blooms brought out the statement that the Orchid is constantly growing in popularity and that Mr. Nicholas has a very large Orchid trade.

Located at 984 Madison ave., in the midst of the wealthy residential district, where it has been for 25 years, the one-story store, with conservatory attached, of Henry Hession presents a unique and quaint appearance. The season opens late here, but even now the conservatory is well supplied with decorative plants. Edward Hession and family are on their vacation in Sullivan Co., N. Y.

A. Warendorff, 1193 Broadway, amid a rich and well arranged display of Crotons, Dracænas, Ficus, Aspidistras, Palms and Orchids, is showing some potted plants he calls "Ostrich Feather Plants," which are attracting considerable attention. These are really some well grown specimens of curled yellow and red Celosias of the feathered type. It is noted that potted Celosias of the improved type are now being displayed in several florists' windows, and that they offer a pleasing innovation among the conventional plants so long used. The feathered types now offered by the seedsmen show quite a wide range of color, and a more careful selection of color on the part of the growers would, with careful growing, give even more attractive plants for potting than those now seen, and also some blooms for cutting. The careful selection of color and type is very important.

Among the flower buyers in the wholesale district is observed Bershad, who was for years with C. C. Trepel, but went into business for himself in June at Bedford and Gates aves., Brooklyn.

P. J. Smith, 49 W. 28th st., is receiving a large variety of exceptionally fine Dahlia blooms.

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Sept. 14, 1910	Pittsburgh Sept. 14, 1910	NAMES AND VARIETIES	Boston Sept. 14, 1910	Detroit Sept. 13, 1910	Cincinnati Sept. 12, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	25.00 to 30.00	20.00 to 25.00
15.00 to 18.00	12.50 to 15.00	" extra	10.00 to 15.00	20.00 to 25.00	12.00 to 16.00
10.00 to 12.50	6.00 to 10.00	" No. 1	3.00 to 8.00	15.00 to 18.00	6.00 to 8.00
4.00 to 6.00	..... to	" No. 2	..... to	4.00 to 12.00	..... to .....
4.00 to 6.00	4.00 to 8.00	Killarney	2.00 to 8.00	..... to	2.00 to 6.00
4.00 to 6.00	2.00 to 8.00	White Killarney	2.00 to 8.00	..... to	2.00 to 6.00
..... to	2.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	4.00 to 8.00	2.00 to 4.00
..... to	..... to	My Maryland	2.00 to 8.00	3.00 to 6.00	..... to .....
2.00 to 6.00	2.00 to 8.00	Richmond	2.00 to 8.00	4.00 to 8.00	4.00 to 6.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	2.00 to 8.00	3.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.25	1.00 to 1.50	..... to 1.00
20.00 to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	35.00 to 50.00	40.00 to 40.00	..... to .....
20.00 to 30.00	20.00 to 30.00	" Sprengeri, bunches	25.00 to 35.00	20.00 to 40.00	..... to .....
.50 to 2.00	.50 to 8.00	Aster	.50 to 1.50	2.00 to 4.00	1.00 to 1.50
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Calla	..... to	..... to	..... to .....
..... to	1.50 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	..... to 1.00
..... to	..... to	Standard Varieties: White	.75 to 1.50	.50 to 1.00	1.00 to 1.50
..... to	..... to	Standard Varieties: Pink	.75 to 1.50	.50 to 1.00	1.00 to 1.50
..... to	..... to	Standard Varieties: Red	.75 to 1.50	.50 to 1.00	1.00 to 1.50
..... to	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) White	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Pink	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Red	1.00 to 2.00	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.) Yellow and var.	1.00 to 2.00	..... to	..... to .....
..... to	..... to 1.00	Daisies	..... to	..... to	..... to .....
..... to .20	..... to	Ferns, hardy	..... to	..... to .10	..... to .15
..... to .20	..... to	Galax, green and bronze	..... to	..... to .12	..... to .10
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 3.00	1.00 to 3.00	Gladiolus	1.00 to 5.00	3.00 to 6.00	2.00 to 3.00
..... to 12.50	6.00 to 10.00	Lilies, Harrisii and Longi	6.00 to 8.00	..... to 15.00	12.00 to 15.00
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 4.00	3.00 to 4.00	..... to 4.00
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	..... to	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to	..... to .....
..... to 1.50	1.25 to 1.80	Smilax, (per doz. strings)	..... to	1.80 to 1.50	..... to 1.20
..... to .25	..... to	Sweet Peas	..... to .25	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
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..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

Boston

The heavy rain of last week, although late in coming to do some crops much good, was heartily welcomed. Nurserymen are especially pleased with the heavy showers as they are enjoying large sales of evergreens at this time; the plentiful supply of rain and the nice cool nights we are having makes it almost all that could be desired for the planting of the above. If the sun is very hot and bright at midday a good sprinkling with the hose helps them very much until they get established.

Some Roses that are coming to market are slightly attacked with mildew. This has been caused by the damp weather and the cool nights we have been having lately. Fires should be started whenever the temperature is as low as we have had it for the last few nights; prevention is better than cure.

The crop of late Asters is quite heavy this week and they are the only flowers of which there is a surplus. Gladioli are not as abundant now and very little of them is to be seen after the early morning sales. All other crops clean up fairly well thus showing that the demand is almost equal to the supply.

Letters and postals written in London and Paris have been received from Andrew Christensen, the Stoneham florist, who is now in Europe, where he is having a grand good time.

W. D. Howard of Milford, Mass., is shipping this week to the Boston Flower Exchange some very nice Carnations. The size and the color of the flowers are good; the stems, as would be expected, are still rather short. The following are the varieties he is sending in: Beacon, White Enchantress, Pink Delight, variegated Lawson, May Day and Winona. They are disposed of by salesman Geo. H. Noyes.

The following gentlemen have purchased stalls this week at the Boston Flower Exchange, 1 Park st.: Albert Roper, 2 stalls; L. Smith, Tewksbury, 1 stall; Halifax Garden Co., 2 stalls.

Edward Winkler of Wakefield, who has been absent in Europe for some time, made his first appearance at the market this week and was welcomed and greeted by his many friends; he reports having a pleasant time in Europe.

W. J. Thurston, manager of the Flower Exchange, attended the Harvard-Boston Aero meet at Atlantic on Labor Day and was delighted with the work of the aviators. He speaks very intelligently and instructively of the various kinds of aeroplanes and can name them all on sight, which is no mean accomplishment; it also shows that he is a keen observer and a seeker after knowledge.

George H. Noyes, the pleasant and courteous salesman at the Boston Flower Exchange, who has been absent for the past two months, has returned to his post this week. He had a lucrative position during the Summer at the Town Hall, Needham. His two weeks' vacation were spent at the Weirs, N. H., where he had a very restful and enjoyable time.

For several years the street boys have enjoyed certain privileges at the Boston Flower Exchange; they were given a space to bunch Violets and all other kinds of flowers. This generosity was not quite fully appreciated and the privilege has been withdrawn. The boys are now going to club together and hire a room which they will use for bunching and sorting their flowers.

William H. Elliott is cutting from his Brighton greenhouses some very nice American Beauty Roses which are of good color; they have stems 2 ft. in length which is quite good for this early part of the season. He is shipping this week from Madbury, N. H., his first consignment of Aaron Ward Roses which were such favorites last Winter and Spring.

J. W. Foote of Reading is still shipping Bouvardia Humboldtii; his daily cut of this commodity is twenty-five bunches. He grows this plant well and the foliage and flowers are clean and healthy. He is also shipping some good Beacon Carnations with quite good stems.

R. E. Lassman, the veteran florist of Waverly, who is still hale and hearty although four score years, has leased his greenhouses to W. B. Collins for five years. Mr. Collins is to dispose of his flowers at the Boston Co-operative Flower Market, where he has a stall.

John Coulson of Worcester visited some of his Boston friends last week and they were delighted to see him. Mr. Coulson was for thirty years gardener for Stephen Salisbury, the Worcester millionaire. After leaving the Salisbury place he bought a piece of land a little way out of the city of Worcester and built a nice dwelling house and a good greenhouse and is now one of the growers for the Worcester trade. He regrets now that he did not begin growing for the market a score of years ago. It is no exaggeration to say that Mr. Coulson is one of the best informed men on gardening and garden plants in this State. He is such a quiet, unassuming man, that he has never received due credit for his ability and skill. He is not only a good horticulturist but also a student and a thinker, and has unraveled many a hard knot. He is the best authority in this country on the genus Begonia.

Mann Brothers of Randolph are shipping the first Tuberoses this week that we have seen in the market. They have also a large supply of longiflorum Lilies.

B. P. Winch of Framingham is sending to 1 Park st. market some very good Golden Glow Chrysanthemums. There are no yellows among the China Asters so there is some demand for a yellow flower of this type.

An aggressive and courageous salesman at the Boston Flower Exchange has the following notice in large type on his stall: "No trust, cash business only." He claims that, although he is the only one who has had the courage so far to do a cash business, there will be many more soon doing the same thing. There are so many poor payers among the numerous buyers that this method, he claims, is the only way to do a profitable business.

Eber Holmes of Montrose has gone to Nova Scotia for a two weeks' vacation.

John McKenzie, North Cambridge, is building another greenhouse to his establishment; it is 100 ft. long by 25 ft. wide.

Montrose Greenhouses are cutting this week some very good pink Killarney

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

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DAHLIAS $1.50—$3.00 per 100

Including such varieties as: **Jack Rose, Red Show, Hussar, Lyndhurst, Yellow Bruton, Yellow Duke, Lemon Beauty, Sylvia, Kriemhilde, White Snow, White Century** and all the good and new commercial varieties for cut flower purposes. Also a choice selection of single Dahlias.

Wild Smilax.....$6.00 per case
We can furnish it on short notice.

Bronze Galax.....$7.50 per case

New Green Galax $7.50 per case.

If you use a quantity of them it will pay you to buy them by the case.

Field Grown Carnation Plants

	100	1000
R. P. Enchantress	$7.00	$60.00
Enchantress	7.00	60.00
900 Joost	5.00	
500 Georgia	7.00	
Queen	6.00	
1200 Pink Seedling	7.00	60.00

Long stems—free bloomer.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Sept. 12, 1910	Buffalo Sept. 12, 1910	NAMES AND VARIETIES	Phil'delphia Sept. 12, 1910	St. Louis Sept. 12, 1910
..... to	20.00 to 26.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	16.00 to 20.00
..... to	12.00 to 15.00	" extra	15.00 to 20.00	10 00 to 15.00
12.50 to 15.00	7.00 to 10.00	" No. 1	10.00 to 15 00	8.00 to 10.00
6.00 to 8 00	..... to	" No. 2	4.00 to 8.00	3 00 to 4.00
3.00 to 4.00	2.00 to 6.00	Killarney	2.00 to 6.00	..... to .....
3.00 to 4.00	2.00 to 6.00	White Killarney	2.00 to 6.00	..... to .....
2.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 6.00	2.00 to 4.00
2.00 to 4.00	2.00 to 6.00	My Maryland	2.00 to 8.00	3.00 to 4.00
..... to	2.00 to 6.00	Richmond	3.00 to 6.00	..... to .....
2.00 to 8 00	4.00 to 6.00	Perle	2.00 to 6.00	..... to .....
2.00 to 4.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 4.00	4.00 to 6.00	K. A. Victoria	2.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	.75 to 1.00	..... to 1.00
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	36.00 to 50.00	..... to .....
.50 to 2.00	.40 to 2.00	Aster	.50 to 2 00	1.00 to 3 00
..... to	..... to	Bouverdia	..... to	..... to .....
..... to	8.00 to 8.00	Calla	..... to	..... to .....
.50 to .75	.75 to	Carnations—Inferior grades, all colors	.50 to .75	..... to .....
1.00 to 1.50	..... to	" Standard Varieties: White	1.00 to 1.50	1.50 to 2.00
1.00 to 1.50	..... to	" Standard Varieties: Pink	1 00 to 1.50	..... to 1.00
1.00 to 1.50	..... to	" Standard Varieties: Red	1.00 to 1 50	..... to .....
1.00 to 1.50	..... to	" Standard Varieties: Yellow and var	1.00 to 1.50	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.) White	1.50 to 2 00	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.) Pink	1 50 to 2 00	..... to .....
..... to	1.00 to 1 50	*Fancy (*The highest grades of Std'd vars.) Red	1.50 to 2.00	..... to .....
..... to	1.00 to 1.50	*Fancy (*The highest grades of Std'd vars.) Yellow and var	1.50 to 2 00	..... to .....
..... to	.50 to 1.00	Daisies	1.00 to 1 50	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz	5.00 to 12.50	..... to .....
3.00 to 4.00	2.00 to 4.00	Gladiolus	1.50 to 4.00	..... to .....
..... to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	10.00 to 12.50	8.00 to 10.00
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	..... to 60.00	..... to .....
..... to	..... to	Orchids—Oypripediums	..... to	..... to .....
..... to	..... to	Panaies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.00	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to 1.25
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15 00 per 100, $140.00 per 1000. 3 inch pots, $25.00 per 100. 4 inch pots, $35.00 per 100, very heavy stock.

(Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

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EDWARD REID

Wholesale Florist

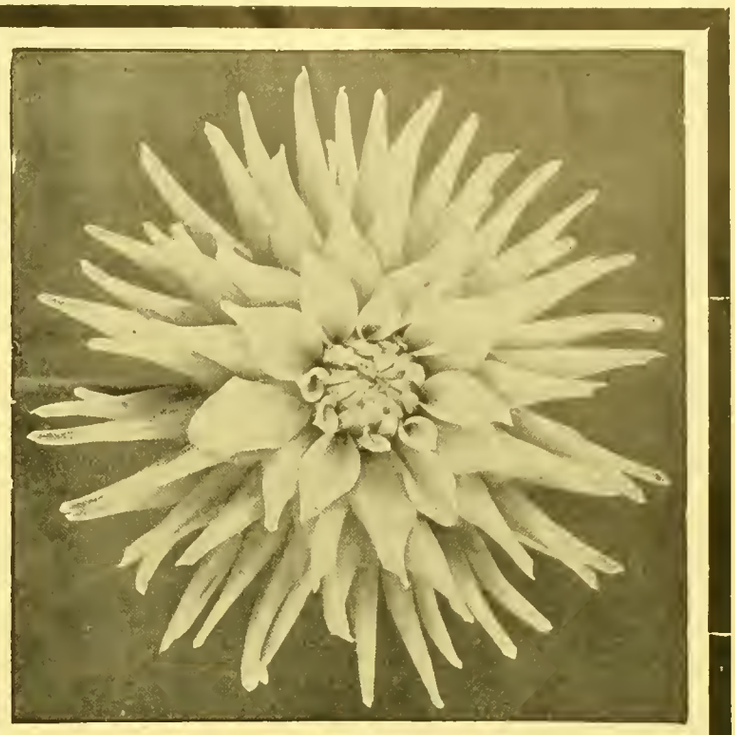
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



DAHLIAS

The most effective flower for fall trade.

Our supply is from the best Dahlia specialists in the country. Hammonton and Atco, New Jersey, produce the best varieties for cut-flower purposes.

We handle the largest part of the cut from these two centers.

We can have regular orders shipped direct from our growers saving extra handling. Try a sample shipment.

Prices for the best selection, **$3.00, $2.00, $1.50** per 100.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St. 1212 New York Ave.

Philadelphia, Pa. Washington, D. C.

Stores close at 6 p. m.

Please mention the Exchange when writing.

I HAVE AN OPENING

For a few Growers of Good Flowers and Bunch Plumosa on and after Oct. 1, 1910

Correspondence Solicited

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

auction sale was held on Tuesday morning; it was well attended and good prices were realized.

The Flower Box on School st. although not as large and as pretentious as some of the stores, is always stocked with good quality flowers and plants and, on our last visit, they had a display which made their window most attractive. Some of the best things we saw were fine bunches of Gaillardia, Helichrysums, Mignonette, Cosmos, Salpiglossis, Asters and Gladioli.

The next meeting of the Gardeners and Florists' Club will be at Horticultural Hall, Tuesday, Sept. 20, at 8 o'clock. In place of a regular lecture there will be vacation experiences of a number of members; especially interesting will be the narratives of those who visited Europe. In view of the near approach of the National S. A. F. Flower Show it is hoped that there will be a good attendance at this first Fall meeting. The exhibit committee desires exhibits of seasonable flowers and plants.

W. R. Morris of Wellesley is placing on the market some well grown Roses of the following kinds: Killarney, both pink and white and very nice Richmonds.

Last week Miss E. Belcher opened a store in the center of the town of Winthrop.

H. H. Barrows & Son have a magnificent lot of Ferns this Fall. They have over 100,000 in all of the following kinds: Nephrolepis Whitmani, Bostoniensis and magnifica. R. C.

Philadelphia

Edward Reid of Ranstead st., thinks that the Fall revival of business is close at hand, at least in a spasmodic way, for Monday, by 2 p.m., he was clean sold out of almost all regular stocks. Mr. Reid always carries a fine stock of American Beauty and other Roses, and also of Lily of the Valley and Orchids, in fact, of all flowers in their season.

On October 1 John W. McIntyre of Ranstead st. will enter upon the fifth year of business at his present quarters. Every year's business, says Mr. McIntyre, has been better than the preceding and the outlook for the coming year is better than ever before. This October also marks the 26th year of his connection with the florist's business. Previous to commencing business at his present quarters, Mr. McIntyre served his time with

Roses. They have good stems, clean healthy foliage and nice colored flowers.

N. M. Silverman, the Winter st. florist, had a beautifully arranged window this week. Some of the most conspicuous things we noticed were fine bunches of Scabious, nicely flowered pans of Achimenes, Celosia pyramidalis, Gladioli, good vases of Roses, fine pieces of variegated Aspidistra and well grown young plants of Bird's Nest Fern.

N. F. McCarthy & Co., wholesale florists, have made extensive alterations in their premises, called for through their increasing business. Their first plant

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2739 Lick Place, SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

some of the best wholesalers and retailers in Philadelphia. He, by no means, belongs to that class of men "who work best when the sun is in the west," but he is one of the earliest birds among the Philadelphia wholesalers looking for the worm in the form of a good sale, and, if business does not come to him fast enough he goes to it.

Among the recent callers on the S. S. Pennock-Meehan Co. was J. S. Simmons, one of the prominent florists of Toronto, Canada. The Pennock-Meehan Co. will open its New York store at 109 West 28th st. on Monday, Sept. 19. The store will be in charge of Percy B. Rigby, now treasurer of the Philadelphia establishment, and he will be assisted by Wm. J. Moore, now at the Philadelphia store. Mr. Moore has just returned from a vacation of several weeks, and is ready for the New York opening.

The Leo Niessen Co. is receiving from its many growers increasingly large shipments of all seasonable blooms; Lily of the Valley is moving unusually well with this company just now, and business is beginning to steadily improve.

W. E. McKissick of the W. E. McKissick & Bros., Ranstead st., has taken over the interests of his brothers H. E. and A. P. McKissick, and is closing up the business and selling out the store furniture and fixtures. He will remain in the store, merely for the purpose of closing up business affairs, till the end of this month. Mr. McKissick's career in the cut flower business has been an honorable one, and his manner of closing his business is in keeping therewith. He retires from the cut flower business, leaving many friends, who regret his withdrawal.

William P. Craig, of the Robert Craig Co., has just returned from a business trip among the southern cities. Robert Craig, Sr., and Mrs. Craig are spending a few days at Atlantic City, N. J.

Mr. Ratcliffe, of Ratcliffe & Tanner, Richmond, Va., was in town this week, calling on Edward Reid, of Ranstead st.

Godfrey Aschmann, who is at present

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Sept. 13, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	6.00
White Killarney	.... to	6.00
Richmond	4.00 to	6.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	5.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.. to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
*The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.50
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.. to	..
Smilax	12.00 to	15.00
....	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	.... to	3.00
Gladioli	2.00 to	4.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

journeying in Europe, writes us from London to the effect that he is meeting with much cold weather and rains on his travels. He found Potsdam a most agreeable city. Mr. Aschmann has already mailed nearly 1000 descriptive postcard views to friends and customers.

David Herbert & Son of Atco, N. J., have begun shipping their Dahlia blooms. Wm. Herbert, who was in town this week calling on the Pennock-Meehan Co., says that the recent irrigation experiment was very satisfactory, showing its effect in larger Dahlia blooms and longer stems.

Pennock Bros., 1514 Chestnut st., made up, on Tuesday, a very large and beautiful casket cover for the funeral of Mrs. W. W. Atterbury, wife of one of the vice-presidents of the Penna. R. R. Smilax was used as green, and the center was composed of choice Orchids, with the border of Lily of the Valley.

J. J. Sheahan of 11th and Cedar sts., Darby, reports the arrival of material for a King house, 100x21 ft.; and to erect this he will have to tear down the rear of his dwelling. The past year has been a most successful year with him, and other changes are under way.

Mrs. Sommerfield, near Holy Cross Cemetery, has been cutting some fine Asters and reports trade as good for the season of year.

John Devlin of Darby has finished planting in a nice lot of Carnations, and is now well stocked with 'Mums, Carnations and greens.

Mrs. J. Carroll of 11th and Cedar sts., has accomplished much in the past year, having built a two-story dwelling and store, and moved part of her glass to the rear. She now sells lunch, ice cream and soda water, as well as bunches of flowers which are made up and placed in readiness for the usual Sunday rush to Holy Cross Cemetery. The flowers are in 15c. and 25c. bunches and are good sellers.

Wm. Berger of Germantown and Chelton aves. will move to 5522 Germantown ave. about Oct. 1., where he has bought a tract of land and is erecting a store and six greenhouses of Lord & Burnham construction. The new location will be more suitable for business, and handy to his glass; the present store is several squares from the residence and greenhouses.

The Albert Woltemate Estate is about to dispose of the business, and here is a

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

good location for some one wanting an established business with plenty of glass. The business was established some 60 years ago and in the 17 houses are grown a big variety of stock.

John Kulp, 4516 Germantown ave., reports good trade, much better than in former years, and the most of it is in funeral work. Mr. Kulp and family are living on his farm at Fort Washington for the Summer, and until about Oct. 1 he will travel back and forth every day. He is growing considerable Privet and other nursery stock on the farm.

The West Philadelphia Flower Shop, 40 So. 40th st., reports a busy season on outside work, as well as some nice funeral work in the store.

Wm. S. Rich, 4820 Baltimore ave., is rapidly recovering from his illness and able to spend part of his time at the store. Mrs. Rich is expected back to town this week, having been up the State all Summer for her health.

Miss Eva Fletcher, 5015 Baltimore ave., is spending a few weeks at the shore.

Mrs. Ernst Darras, 1122 So. 47th st., has found it necessary to employ another man to handle the outside work; the store trade is rapidly picking up.

Andrew Uber, 20th and Bainbridge sts., recently returned from his vacation at the Delaware Water Gap, and reports trade as coming in good.

A. R. McHenry, 2123 Federal st., is getting a good share of the downtown funeral work, and is making plans for a fishing trip with one of our local supply men.

Mr. Mitchell of the Penna. Hospital, 46th and Market sts., reports the building of a new tool shed and storage for Onions. On these grounds are raised all the vegetables for hospital use and the greenhouses are devoted to raising cut and potted stock. Some extra good 'Mums are now well under way, as well as Carnations, and the My Maryland Rose, which does very nicely here. Considerable alterations are at present under way, preparing for Fall.

Le Gierse Bros., 4653 Lancaster ave., are now back from Wildwood and Holly Beach, where they have been most of the Summer, and report trade as picking up nicely.

Otto Didden, of Mt. Moriah Lane, has finished "planting in" Carnations, and the

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

houses present a business-like appearance. The Asters grown here were of unusually good size and proved good sellers.

Wm. C. Smith, 61st and Market sts., is getting his store in readiness for the opening, Sept. 17. This store will be entirely in white, and the window will contain a number of Lilies in the water pan now being placed. He has some excellent Hydrangeas in 8 in. and 10 in. pots, table Ferns and Asparagus plumosa, which will be placed on the market in a short time.

W. Wilkinson, 49 Salford st., has a large number of small Ferns and potted 'Mums, and reports some good retail work.

Mrs. Shelly, 60th and Pine sts., is rebuilding her houses and raising the roofs, which allows of more display space.

Ross the Florist had an anniversary sale at his 60th st. store, being the end of his first year, and all visitors at either store were presented with a cut flower. Mr. Ross is a firm believer in premiums and finds they do create business when used rightly.

M. J. Callahan is about to erect a greenhouse in the rear of his new store, 3924 Market st. Here he has entirely renovated the store, and when finished it will be among the best stores in this city. Mr. Callahan will continue at his old stand at 3804 Market st. for some time. The new store is admirably located in a busy section of Market st.

John G. Eisele, 1031 Columbia ave., has about finished the storage box in his cellar, and is about to make some changes in the store. Business here is reported as very good for September.

John Cella, 21st st. and Columbia ave., is having the entire store renovated.

Gracey's Columbia ave. shop is being repainted and refurnished for the Fall trade.

Martin's, 26th st. and Columbia ave., reports good trade for the Summer, with increasing business for September.

H. J. Leech of Yeadon is building one new house to be devoted to mixed stock.

Colflesh & Note of Yeadon are about to build some 5000 sq. ft. of greenhouses, to be devoted to Carnations, and when finished their range will cover about 25,000 sq. ft. This firm does considerable shipping of Roses, 'Mums, potted stock and Carnations, and is rapidly growing. A potting shed will also be erected at once, which will cover 25x100 ft., and occupy the space between the two rows of glass.

Gerald Lynam of Yeadon has finished one house, 21x125 ft., and is starting on another the same size, to be devoted to 'Mums. Mr. Lynam has been about Philadelphia for the past seven years, and in this location for about one year.

Wm. Didden has just finished one range of 175x57 ft., in which he has some splendid 'Mums and a good lot of Sweet Peas.

E. Cutler of East Lansdowne is showing a nice lot of 'Mums and Sweet Peas.

Chicago

The prolonged rainy weather has made a marked difference in the quantity of available stock, and there is not nearly so much stock in any line as there was a week ago. While rain was badly needed two weeks ago there has certainly been enough since then to satisfy all requirements and the cry now is for more sunshine.

An elaborate affair in a dinner was participated in at the Hotel La Salle last Thursday, Sept. 8, the first anniversary of the opening of the house. G. Gazley, general manager, was presented with many beautiful floral pieces, among them being a chair, lyre, and other appropriate designs. John Starrett, who has charge of the flower arrangements of the hotel, is at the present time using mostly the fancy grades of Gladioli for the table decorations. The American Beauty room is excepted, that room being always supplied with these flowers. Leopold Koropp has the contract for decorating the hotel in the plant line.

A. L. Glaser of Dubuque, Ia., was in Chicago last week. He is convalescing from an illness of six weeks at the Hillsdale Sanitarium.

The Foley Mfg. Co. has had a most

The New Fern NEPHROLEPIS DREYERII

(SPORT OF BOSTON)

THIS New Fern, when exhibited at the S. A. F. & O. H. Convention recently, received the following description: "Nephrolepis Dreyerii has *many good points* which will render it *popular*. It makes a *quick growth*, is *compact*, of *good color*, and stands considerable *rough treatment*, adapting itself to almost any condition. It is of the Scottii type, but *not as stiff*, the fronds drooping *gracefully*, giving the plant a very *attractive appearance*."

Ready for delivery after October 1. PRICE: 2¼ inch pots, per 100 $25.00; per 1000 $200.00.

KESSLER BROS., 136-138 West 28th Street, NEW YORK CITY
GROWN BY G. DREYER, ELMHURST, LONG ISLAND

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
CINERARIA Hybrida Grandiflora, Michell's Giant Prize strain, 2 in.	$2.00
CINERARIA Stellata, 2 in.	2.00
PRIMULA, Kewensis and Obconica, 3 varieties, 2 in.	2.00
ASPARAGUS Sprengeri, 2 in., strong.	2.00
CYPERUS Alternifolius, Umbrella Plant, 3 in.	3.00

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Seasonable Plants

ASPARAGUS Sprengeri, 2¼ in., $2.00 per 100.

FERNS, Boston, Piersoni, Whitmani, 4-5-6-8-10-12 in. pots, 15c., 20c., 50c., 75c., $1.00 and $2.00 each.

BEGONIA Vernon, R. P. and White, 4 in., $6.00 per 100.

CELERY PLANTS, Golden Heart and Self-Blanching, 25c. per 100, $1.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.

REX BEGONIAS, 2-in., $4.00.

COLEUS, 2-in., $1.00.

SCOTTII FERNS, 3-in., $6.00.

GERMAN IVY, 2-in., $1.50.

DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.

VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.

HELIOTROPE, 2-in., $1.50.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

BEGONIA Vernon, 4-in. pots, in bloom, $1.00 per doz.

STEVIA, dwarf, 4½-in. pots, $1.00 per doz.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

RUBBER PLANTS, 5-in. pots, 25c. each; 6-in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

BOSTON FERNS, 4-in. pots, $1.50 per doz.; 5-in. pots, $2.00 per doz.

DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.

CINERARIAS, Finest Varieties, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

satisfactory season in its line of work, and feels that it has certainly had its share of business in every respect.

Mrs. Elizabeth Starrett Holman presented Mr. Holman with a bouncing 10-lb. baby girl on Sept. 3. Mrs. Holman is the daughter of John Starrett.

The growers who have used the Mastin automatic sprayer the past Summer say they find it indispensable in the white-washing line; some of them are supplying themselves with a second sprayer to be in readiness for next season.

The W. W. Barnard Co. has issued its usual attractive illustrated Fall bulb catalog.

N. P. Miller, of the J. B. Deamud Co. will celebrate his 25th wedding anniversary next Thursday, Sept. 15, at his home at Wilmette. Mr. Miller has the congratulations of his many friends in the trade.

Bassett & Washburn are installing a new tank, in place of the one that collapsed a few days ago, demolishing the end of two of the greenhouses; fortunately, no one was injured.

M. Crawford, Cuyahoga Falls, O., spent a day in town last week on his way to Lake Mills, Wis., where he will harvest his Gladioli crop.

Julius Roehrs, and son, of Rutherford, N. J., were in Chicago on a business trip part of last week.

O. J. Friedman expects to have his new store in the Congress Hotel open for business on Sept. 17. This is a very prepossessing store and being so desirably situated should prove a success in every respect.

The frequenters of the Flower Growers' Market have not as yet become accustomed to the new entrance on Randolph st., many making the mistake of going to the old entrance on Wabash ave. The market is in a very unsettled state, the remodeling being far from complete.

Zech & Mann are cutting exceptionally fine indoor Carnations, which appear to be in good demand. Some extra fine Boxwood is also to be found at their store.

Harry Manheim says he spent Sunday at Hoerber Brothers' plant at Des Plaines, and found everything in excellent condition. The eleven new greenhouses make a great addition to the establishment. They have just started to fire, and find the new boiler and connections to same in perfect working order.

J. B. Deamud Co. are still receiving some fine quality Asters; and Gladioli in the best varieties are still plentiful.

Peter Reinberg's Richmond Roses are unsurpassed for this time of year. The variety Uncle John is just beginning to arrive, but it is not as yet up to its usual standard. The dark weather has shortened up the supply of Roses, but improved the quality.

At Charles McKellar's, Orchids are still coming in scant supply, although another week will find a big increase in the quantity.

Some excellent Carnations are noted at Weiland & Risch's, indoor stock of course.

Geo. Asmus is about towa again after several weeks' absence, and is just as genial as ever. Business at the Schiller Floral Co.'s store is beginning to assume the usual Fall condition.

Frank Johnson, of the A. L. Randall Co. has returned from his Colorado trip.

That our florists have time for other pursuits is evident. Joseph Mendel of the West Side, running two stores, is a candidate for the nomination for county commissioner on the Democratic ticket.

FERNS Ferns from Bench

Boston, Elegantissima, 4-in., 10c.; 5-in., 12½c.; **Runners,** $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.; **Runners,** $15.00 per 1000.
Amerpobli, 3-in., 8c.; 4-in., 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.; **Runners,** $10.00 per 1000.
Giant Snapdragons from field, white, pink, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 30c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.

	Per 100
CHINESE PRIMROSES, 2-in.	$2.00

PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** and **Kewensis,** 2-in. pots, $3.00 per 100.

Cash with order.

BYER BROS., - Chambersburg, Pa.

Please mention the Exchange when writing.

HARDY CHRYSANTHEMUMS

IT will be admitted we are offering below a splendid list of these popular plants, both in the Pompon and Large Flowering types. Delivery will be made in October in strong field roots, just what is needed for Winter propagation. File your orders now.

Anna Mary, (Pompon), salmon pink.
Ashbury, (large flowering), sulphur white.
Blushing Bride, (P.), clear pink.
Brown Bessie, small, globular, crown.
Dawn, (P.), Daybreak pink.
Dundee, (P.), maroon shaded scarlet.
Gladys, (L.), pearl pink.
Golden Pheasant, small, round yellow.
Jerry, (L.), pretty lilac rose.
L'Ami Courderchet, (P.), dainty sulphur white.
Model of Perfection, small, round white.
Mrs. Snyder, (L.), clear yellow.
Patterson, (L.), beautiful old gold, shaded darker.
President, (L.), rich purple crimson.
Princess of Wales, (L.), white.
Regulus, (L.), bright terra cotta bronze.
Rosinante, (P.), blush rose, very dwarf, distinct and beautiful.
Salem, (L.), silvery rose.
St. Alamo, (L.), extra fine white.
Sunshine, (P.), golden yellow.
Tiber, (P.), light bronze.
Trojan, (P.), maroon, dwarf and very free.
Willie, (L.), lilac and white.

Any of above, **75c.** per doz., **$5.00** per 100.

AMON HEIGHTS NURSERIES, Merchantville, N. J.

Please mention the Exchange when writing.

"Take it the year through, my advertisement with you is most satisfactory and I think more of your paper than any other trade paper."

Address of this advertiser on application.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

FERNS

Nephrolepis Scottii

The Largest and Finest Stock in America

Nephrolepis Scholzeli — Cibotium Schiedei

Nephrolepis Exaltata Bostoniensis

PALMS

Kentia, Phœnix, Areca

PANDANUS—Veitchii and Utilis.

DRACAENAS—Terminalis, Indivisa, Massangeana, Lindenii.

ASPARAGUS PLUMOSUS **POINSETTIAS**

ASPIDISTRA VARIEGATA

ARAUCARIA EXCELSA

The Birthplace and Home of **Nephrolepis Scottii**

JOHN SCOTT

Rutland Road and East 45th St., BROOKLYN, N. Y.

Please mention the Exchange when writing.

TREE FERNS

NEW IMPORTATIONS ARRIVING IN FINE CONDITION

Cyathea Medullaris — **Alsophila Excelsa**
Cyathea Dealbata — **Alsophila Robusta**
Dicksonia Antarctica — **Hemitelia Smithii**
Dicksonia Squarrosa — **Hemitelia Moorii**

Write for prices

MacRORIE-McLAREN CO.

721 Crocker Building, San Francisco, California

NURSERY, SAN MATEO, CALIFORNIA

SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5.00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $66.00 per 100; 7 inch, $2.50 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $6.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

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Ferns in Flats

A few extra fine flats of **Cyrtomium falcatum, P. Wimsetti, Aspidium** and Assorted Varieties, at $2.00 each.

300 Harry Fenn Carnations

4c. each, or $10.00 for the lot.

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Boston, Elegantissima and Piersoni, out of bench, suitable for 5 and 6-inch pots; 4-inch, $10.00 per 100; 5-inch, $20.00 per 100; 6-inch, $30.00 per 100. Ready September 1st. Cash with order please.

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Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

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J. C. Vaughan is after the Democratic nomination for Congress in the second district, and a local paper says his campaign literature hits "the class of legislation carried forward by a multitude of lawyers in Congress." Mr. Vaughan believes that Congress needs more business men and less lawyers.

The bowling season will begin Sept. 26 at Flenner's alleys, State and Monroe sts. Four teams will compete. A meeting will be held on Friday evening at J. B. Deamud Co.'s store, when the selection of teams and final arrangements will be completed.

The Horticultural Society of Chicago has practically closed arrangements for the Coliseum for the Fall flower show, instead of the First Regiment Armory, as formerly announced, the show to be held Nov. 8-12 inclusive. This will enable the Society to retain the very liberal and complete premium list already prepared, and should not only interest but induce every grower of plants and cut flowers in Chicago and vicinity to assist in making this the best exhibition ever held in Chicago. At a meeting of the executive committee called for Friday at noon, at the Union Restaurant, all important details will be taken up and decided.

Strail & Hahn had the decorations for the Roosevelt dinner at the Congress Hotel last week. On the speakers' table 200 American Beauty Roses were used in vases, and strewn on the table. On the other tables, accommodating the 999 guests, thousands of Killarney Roses were used. A pretty feature was small electric lights in clusters of three, red, white, and blue, laid on the table, over which were strewn Ferns and Asparagus; the colors showing through had a very pleasing effect. There were no decorations in the flower line outside of the tables.

There are some especially fine specimen plants, in several colors, of Celosia Thompsoni magnifica in the windows of A. Lange's store.

The Chicago Carnation Co. of Joliet expects that the Carnation plants planted the latter part of July will be in full crop in a week or ten days. The entire establishment has been planted with Carnations as usual, including the two new houses built this Summer. Sangamo is selling exceptionally well from the field. On account of the dry Summer the company did not have any other varieties to sell from the field this Fall.

Miss M. F. Carter has purchased the retail department from the C. W. Shepherd Co. of Joliet, and will conduct an uptodate retail store, under the name of the Carter Floral Co. The greenhouses were formerly owned by the Chicago Carnation Co. and were leased a year ago to the C. W. Shepherd Co. Miss Carter has had a life experience as a florist. She formerly conducted the florist business for her father, C. E. Carter of Joliet, and was for several years manager of the Chicago Carnation Co. Mr. Shepherd has retained the landscape part of the business, and will devote his time to this line.

Jos. Labo, Joliet, reports business good all Summer, better than any Summer before. He is now putting in concrete walls at his greenhouses in place of wooden ones, finding them to be the most economical walls to build. Mr. and Mrs. Labo are rejoicing over the arrival of a new son, whom they expect to become a florist also.

Visitors: H. S. Woodruff, Orange, Conn.; L. A. Casper, Rochelle, Ill.; A. C. Rott, Joliet, Ill.; Wm. Graff, Columbus, O.; Frank Reilly, Des Moines, Ia.; S. Wachenheim, Vicksburg, Miss.; W. H. Troyer, Elkhart, Ind.; J. F. Johnson, Ft. Smith, Ark.; N. H. Long, Dixon, Ill.; Mr. and Mrs. Farmer, Anderson, Ind.

St. Louis

Henry Ostertag returned home from his Eastern trip last week where he went to buy large plants. Henry says he visited all the large Eastern cities.

Alex Siegel, who has been North all Summer, got back last Monday; he was much surprised at the great improvement in the wholesale district.

Ed. Kalish of Kalish Bros. also returned home from his Summer vacation, and says he is ready for hard work from now on.

Arnold Ringier, representative of W. W. Barnard Co., Chicago, spent a few days in the city calling on the trade; he is always a welcome visitor with the trade here.

Mr. and Mrs. Wm. Ellison are making a short trip up the river and will be back home by the end of the week. Harry Ellison is again in their employ after an absence of several months in the West.



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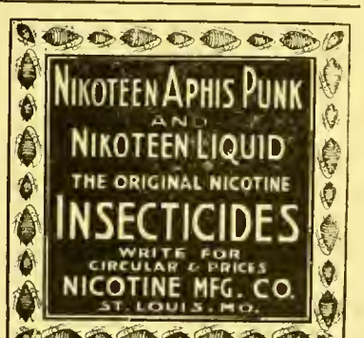

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1500 2⅝ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
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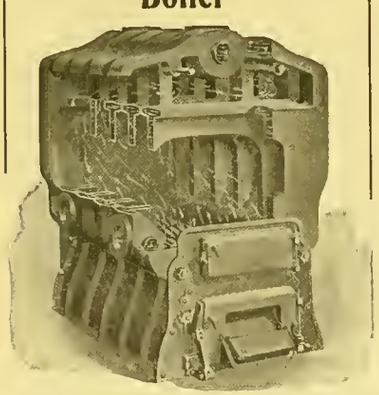

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James Young of C. Young & Sons Co., reports that his firm has delivered to the City Park department 20,000 Tulips.

C. Mundt and John Eckles, both of the Schisler-Corneli Seed Co., attended the club meeting on Thursday of last week, and presented the members with handsome souvenirs.

The ladies' club outing did not take place on Thursday of last week owing to the sodden grounds on account of the recent rains, but will meet this week (Thursday) for an outing at Romona Park.

Miss Lottie Schiess who ran the Eastern Floral Co., has given up her place and sold her fixtures to Mrs. Waltman at Taylor and Easton aves.

The executive board of the Horticultural Society held its regular monthly meeting Tuesday, Sept. 13. The Fall flower show will be held early in November in the Coliseum and matters pertaining to this show were discussed. The prizes are very liberal this year and these, with the Shaw prizes, should bring out a large competition.

Quite a number of ladies attended the club meeting at Weber's, last Thursday, and enjoyed the trip very much. They were entertained by Mrs. H. J. Weber and her daughters on their fine lawn in front of their residence.

The Retail Florists' Association held its meeting on Monday, Sept. 12, in the Knights of Columbus Hall; some very important matters were discussed for the good of the Association.

ST. PATRICK.

Washington, D. C.

The intense heat of the first six days of September surpassed anything previously experienced this Summer, and was checked by a heavy and much needed rain.

C. O. Tavenner of Arlington, Va., returned on Tuesday from an extended business trip to Knoxville, Tenn., where he was much impressed by the magnitude of the establishment of the Peters Nursery Co.

George A. Comley, who has been ill, is again able to be around; he has purchased a tract of 40 acres near Livingstone Heights, Va., on the Old Dominion Railway, where he is erecting two large modern greenhouses, and transferring his stock from the old place at Clarendon.

O. W. D'Alcorn, the bulb grower, who is establishing a large industry at Congress Heights, D. C., is progressing rapidly with the work of construction of his range of houses.

The Washington Florists Co. is bringing in some fine Gardenias of its own raising.

The Non-Breakable Flower Vase Co., is well pleased, thus far, with the number of orders which they are receiving.

In spite of the intense heat, prospects are favorable for a good September business. The people are coming back more rapidly than usual, and nearly every dealer is most sanguine as to a fine business all Winter. The Florists' Exchange claims to have observed already 100% improvement, and this means that the retailer is prospering accordingly.

John Robertson is doing a good deal of outside work about town, planting bulbs and fixing up shrubbery and lawns.

Club Meeting

The Washington Florists' Club held its regular monthly meeting at Gude Bros. Co.'s store on Sept. 6, Pres. Robertson presiding. The name of F. Bower, manager for the local branch of the S. S. Pennock-Meehan Co. was proposed for membership. The Fall flower show committee reported exeellent success thus far. The meeting adjourned at an early hour to partake of a bounteous repast provided by the Gudes in honor of the florists' bowling team, who were toasted on all sides on account of their recent victories over eleven other cities at the Rochester convention. Good cheer and good fellowship reigned supreme until a very late hour. J. L. CARBERY.

Los Angeles, Cal.

Dietrich & Turner are adding to their present range of glass an additional house, 57x300 ft., 20 ft. to ridge, in which to grow Carnations and Roses, to meet the demand for these two flowers the year round.

Carnations may be grown in the open during the Summer months, of fair quality, but during the Winter the nights are too chilly for their best development; indeed some seasons are too cold for them to flower at all. Roses are a commercial success, for florist's use, part of the year



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F. E.—Best Advertising Medium

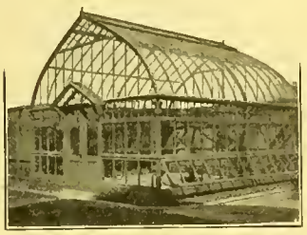
only, and do not come up to the requirements of first-class trade except during the Spring months, and only in some seasons during the Autumn. Immediately after the Spring crop is over—and it is a huge one while it lasts—the bushes will take a vacation for two months, no matter how much water and fertilizer is applied to them; yet the demand for flowers continues.

Social functions, weddings, and funerals, all happen regardless of whether Roses in the open are in flower or not, and our wide-awake florists are putting money into glass houses, that they may create and maintain climatic conditions suitable for successful Rose culture all the year, and find it profitable.

Joseph Meehan's observations, in Aug. 27 issue, on Cephalanthus occidentalis, leads me to say that this shrub covers acres of ground in Kern Co. in this State. So plentiful is it that a station of one of the large ranches is named "Button Willow" after this plant. It is known by that name locally, and, to me, it is wonderful that a plant will do equally well in the intense heat and dry atmosphere of the California section named, as in the more humid Atlantic Coast countries. In this case it is indigenous to both sections.

I am giving the "Chaste Tree," Vitex Agnus-castus, a trial, and it, too, shows a remarkable adaptability to this climate. Experiments will have to be continued for years to come before we ascertain with any degree of accuracy the lists of plants that may be successfully grown on this Coast. This pretty flowering shrub is a native of southern Europe and belongs to the Verbena family.

Persea gratissima — Avocado — trees about Los Angeles and Pasadena are more fruitful this season than for several years past. When we have orchards of budded or grafted trees of types best suited to this peculiar climate people of limited means may indulge in this rich and wholesome fruit. At present only the wealthy can afford the luxury. The famous Chappelow tree at Monrovia has a fair crop, which has been sold in advance of its ripening at 25c. each fruit, to the same party in Los Angeles who has bought it the past six years; and at no time has the crop brought less than $75, one year as much as $159. At the lowest named price an acre containing 50 trees, which is as close as they should be planted, would yield $3750 worth of fruit. I trust that no real estate dealer or get-rich-quick-land promoter will use these facts to lead some enthusiasts to plant all the land they have in Avocados. This disposition to rush wholesale into some line of fruit culture, which has proved to be highly profitable a season or two, has led more men who till the soil for a living on this Coast to financial ruin than all other causes combined. I have seen the fruit and vines of hundreds of acres of Tokay Grapes pastured by sheep, because the fruit would not pay for picking, packing, and the freight to eastern markets; and acres of Peaches, Prunes and Apricot orchards grubbed out for the same reason, and the land sown to Alfalfa; then, when the price of fresh fruit would go up, everybody would rush into planting trees and vines again. When we shall have diversified agricultural methods of earning a living out of the soil we shall also have a more substantial foundation on which to build the agricultural interests of this State, and not till then. P. D. BARNHART.



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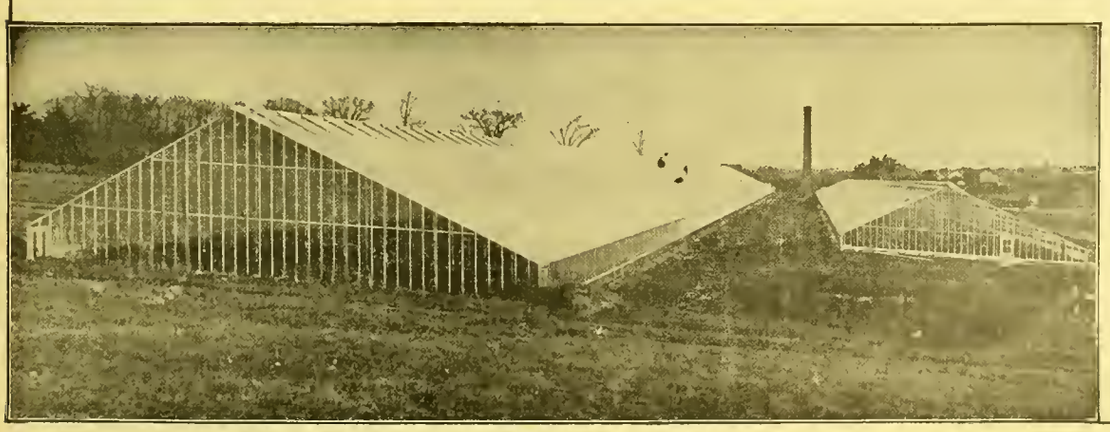
We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



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Eventually you will be a
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Why not now?
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THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

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That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
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Holds Glass Firmly
See the Point
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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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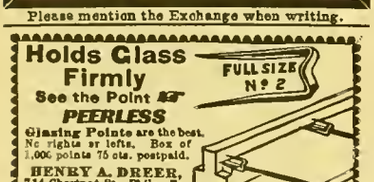

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Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

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Hot Water Boiler

Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees a 15 degrees below zero.

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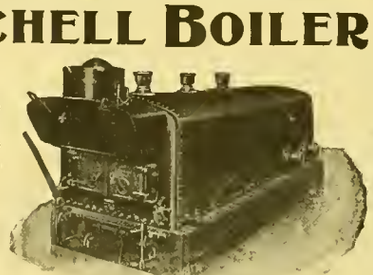

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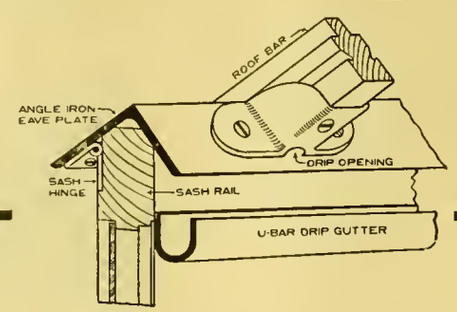

CONCERNING EAVES

You must not think that just because our Ice Clearing Eave Plate with its Drip Gutter is patented, that we will not sell you as much of it as you want whether you buy the rest of your house from us or not. We will gladly sell it to you.

It can be attached to wooden posts if you prefer to, but by far the most lasting and satisfactory job will be yours by also using our Guaranteed *Wrought* Iron Posts. *Wrought Iron*, mind you, *not steel*. Steel set in the ground would rust out in a few years' time.

This combination of Eave and Posts will outlast the rest of your house many times over. The posts are set 2 feet 6 inches in the ground and spaced about 8 feet 4 inches apart.—How many do you want?

The Sash Bar Clasps on the plate are spaced for 16 or 24 inch glass. Which will you have, and how many feet of the plate?

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A. HERRMANN

Manufacturer of Floral Metal Designs

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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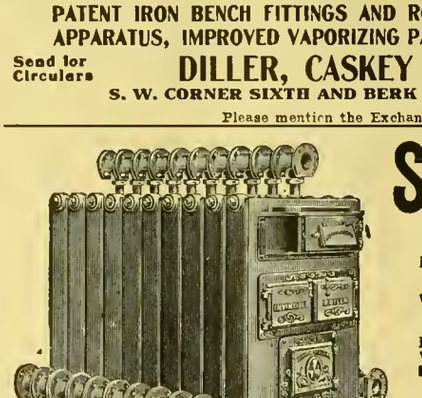

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For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

It will pay you to get our special quotations. We also contract for and erect Steam and Hot Water Heating apparatus in all parts of the country.

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We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

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New Rose Juliet (Illus.)—The New England Dahlia Show

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a oigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 13 NEW YORK AND CHICAGO, SEPTEMBER 24, 1910 One Dollar Per Year

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Paper White Grandiflora, 14 c/m bulbs, 1000 to the case	$1.25	$11.00
Bicolor Victoria, selected double-nosed bulbs	1.75	16.00
Emperor, selected double-nosed bulbs	1.75	15.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50

TULIPS

	100	1000		100	1000
Keizerskroon	$1.25	$10.50	**Murillo**	$1.25	$10.00
La Reine	1.00	8.00	**Couronne d'Or**	1.75	14.00
Rose Grisdelin	1.00	8.50	**Gesneriana Spathulata**	1.25	9.50
Rose Luisante	1.75	14.50			

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $6.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅝ to ½ inch and up in diameter, 75c. per 100, $6.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, $17.50 per case; less quantities, $6.00 per 100.
7 to 9 inch, 200 to the case, $18.00 per 100; less quantities, $10.00 per 100.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $6.00 per dozen; large specimens, 12-inch pans, $3.00 to $6.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 6-inch pans, $6.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 6-inch pans, $6.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 6-inch pans, $6.00 per dozen; 8-inch, $18.00 per dozen.
Nephrolepis Scottii. Good plants, 6-inch pans, $6.00 per dozen.

Complete list of Fall bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants ..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

3-inch pots, $15.00 per 100. 4-inch pots, $25.00 per 100. 5-inch pots, $5.00 per dozen, $35.00 per 100. 5-inch pots, extra selected, $6.00 per dozen. 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
3-inch pots ..... $20.00 per 100, $160.00 per 1000.
4-inch pots ..... 30.00 per 100, 250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots $6.00 per 100.

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Hydrangea Otaksa

Have a few hundred plants of the following:
One to two shoots ..... $6.00 to $10.00 per 100
Three to five shoots ..... 15.00 to 20.00 per 100
Six to eight shoots ..... 25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Pansy Plants

$2.50 per 1000, $20.00 for 10,000 lots.

Begonia Gloire de Lorraine

(ANDERSON'S STOCK)

Strong plants, immediate delivery.

	100
3-inch	$25.00
4-inch	35.00
5-inch	50.00

Lilium Harrisii

	100	1000
5x7, 400 to the case	$5.00	$45.00
6x7, 335 to the case	6.50	60.00
7x9, 200 to the case	10.00	90.00

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

Carnation Plants

Beacon, O. P. Bassett, Victory, Red Lawson, Enchantress, Georgia, White Enchantress, Winsor, Winona and **Mrs. Patten.**
$6.00 per 100, as long as they last.

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Coleus "Brilliancy"

The most useful of the large leaf varieties. Luxuriant, handsome red and yellow foliage. 3-inch pot plants for immediate shipment, $1.00 per doz., $4.00 per 100.

Golden Bedder, Versehaffeltii and other Standard sorts, 2-inch $2.00 per 100.

Our Specialties Which We Grow in Quantities:

Geraniums Over 60,000 Stock Plants. 200,[illegible] in 3-inch pots ready for Fall [illegible] ment.

Dahlias Over 40 acres. 350,00[illegible] whole field clumps.

Cannas 10 acres in splendid [illegible]

A CORDIAL invitation is extended [illegible] to attend our Fourth Annual Dahlia Show, Sept. 27th-30th. Come to Convention B. & O. R. R. Train from 24th and Chestnut St., Philadelphia, 8.15 A. M. Special Trains from Baltimore.

R. VINCENT, JR. & SONS CO.
WHITE MARSH, MARYLAND

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LAST ROSE OF SUMMER

WITH A FEW ITEMS TO FOLLOW

	100	1000
WHITE ROMAN HYACINTHS, 12-15 ctms.	$2.75	$24.50
13-15 ctms.	3.00	28.50
DUTCH HYACINTHS, single, all colors	2.25	20.00
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Queen Victoria, white	.80	7.50
NARCISSUS, Paper White Grandiflora	1.25	9.00
Von Sion, extra selected	1.30	12.00
Von Sion, mammoth double nose	2.25	18.50
LILIUM Formosum, 7-9	8.00	70.00
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, French, selected	.75	6.50
French, mammoth	1.25	9.00

CHINESE SACRED LILIES.....$1.25 per basket of 30 bulbs.

ENGLISH MUSHROOM SPAWN, fresh.....$7.00 per 100 lbs.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000

FANCY GRADE
1250 to case.....$8.50 per 1000

REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.50 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

5-7 in.	$40.00 per 1000
6-7 in.	60.00 per 1000
7-9 in.	85.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

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A small lot of late dug **HARRISII** "The True Bermuda Easter Lily." We have a few thousand bulbs, that we offer at a very low price, subject to being unsold.

Lilium Harrisii

5x7—400 to a case.....$14.00 per case.
6x7—335 to a case..... 15.50 per case.
7x9—200 to a case..... 15.00 per case.

Lilium Formosum

7x9—300 to a case.....$16.50 per case.
9x10—200 to a case..... 20.00 per case.

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C. C. MORSE & CO.

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SAN FRANCISCO CALIFORNIA

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JUST RECEIVED

New crop of finest strain of Cyclamen osreicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	5.00
Roseum, Rosa V. Marienthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St. NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

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Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

WHITE ROMAN HYACINTHS. 12 to 15 ctm., 2000 in case, at $18.00 per 1000.
NARCISSUS, Paper White Grandiflora. 1000 in case at $7.50 per 1000.
LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.
LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.
Also, **LILIUM HARRISII,** all sizes, send for prices per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

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Improved Chinese Finest grown. All colors mixed, single and double, strong, 2-in., $2.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 60c., 600 seede, $1.00, 1000 seede, $1.50.

Primula Kewensis, the great and grand new Verbena-scented, yellow Primroes. Be sure to sow it. Trade pkt. 25c.

Cineraria, large flowering dwarf, mixed, 1000 seede, 50c., ½ pkt. 25c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seede, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seede of the giant Mme. Perret pansy added to avery $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

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BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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SWEET SCENTED
PEONIES
SUPERB QUALITY



	Doz.	100	1000
Double White Mixed	$1.25	$7.00	$60.00
Double Red Mixed	1.00	6.00	50.00
Double Pink Mixed	1.00	6.00	50.00
Double Superb Named Sorts	2.00	12.00	

Write for Complete Peony List

Full Line French and Dutch Bulbs
Send for Wholesale Bulb Catalogue
JOHNSON SEED CO.,
217 MARKET ST., PHILADELPHIA, PA.
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JAPAN BAMBOO STAKES
Strong and Durable. For Lilies, 'Mums, Gladioli, etc.
Natural Color, 6 feet, 66c. per 100, $5.00 per 1000, $9.00 per 2000.
Dyed Green, 2 feet, 36c. per 100, $2.60 per 1000.
Dyed Green, 3 feet, 50c. per 100, $3.00 per 1000.
Ask prices on all Forcing Bulbs Fall Delivery.

Special Offer
(To clear out)

COLD STORAGE LIL. GIGANTEUM, 300 in case, 7x9 size. In finest condition, per case of 300, $21.00.		
We also offer:		
LIL. CANDIDUM, extra large, 12 tbick petaled stock	$0.60	$4.50
LIL. CANDIDUM, mammoth bulbs, tbick petaled stock	.85	5.00
LIL. CANDIDUM, Jumbo bulbs, Monstrous petaled stock	1.00	6.00
LIL. HARRISII, 7x9	1.25	8.60
LIL. HARRISII, 9x11	2.75	20.00

Send for our Trade Fall List.

H. H. BERGER & CO.
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RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
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WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.
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PHOENIX ROEBELENII
TWO YEARS OLD
Seedlings, ready to go in thumb pots. Per 1000, $50.00; per 100, $6.00. For larger quantity special price.

KENTIA BELMOREANA
Fine, clean, bushy and well-grown stock from 2½-inch pots, nice for centers or to grow on in 4-inch pots. Per 1000, $60.00; per 100, $8.00.

Primula Obconica Grandiflora
Mixed Hybrids of all colors if wanted. Mostly dark red colors also.
Per 100 $3.50. Per 1000 $30.00.

O. V. ZANGEN, Seedsman, Hoboken, N. J.
Please mention the Exchange when writing.

Cost is measured by the results obtained and in no other way

ASPARAGUS PLUMOSUS NANUS
NEW CROP—GREENHOUSE GROWN
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50
SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.
Our Flower Seed Catlog free on application
The Moore Seed Co., 339 Market St. PHILADELPHIA, PA
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Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. C.
Trade Mark **American Spawn Co., St. Paul, Minn.**
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CROP OF 1910
PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.
BEAULIEU, WOODHAVEN, N. Y.
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JONQUILS Campernelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.50 per 100; $16.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.
WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK
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CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.
LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.
PARSLEY 30c. per 100, $1.25 per 1000.
R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.
Please mention the Exchange when writing.

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AMERICAN SEED TRADE ASSOCIATION

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IMPORTS, ETC.—Sept. 13.—G. H. Cobb, 300 bbls. Clover seed; Maltus & Ware, 525 cs. bulbs; Burnett Bros., 1 cs. bulbs; P. C. Kuyper & Co., 55 cs. bulbs; J. P. Roose, 20 cs. bulbs; J. M. Thorborn & Co., 20 bags Grass seed; Vaughan's Seed Store, 32 cs. bulbs; Hinsdale Florist Co., 13 cs. bulbs; P. Henderson & Co., 7 cs. bulbs; O. S. Cockey, 3 cs. bulbs; W. R. Huntington, 1 cs. bulbs; H. F. Darrow, 31 cs. bulbs; C. C. Abel & Son, 79 cs. bulbs; J. W. Hampton Jr. & Co., 4 cs. bulbs; W. Elliott & Son, 32 cs. bulbs; T. Meadows & Co., 74 cs. bulbs; Stumpp & Walter Co., 76 cs. bulbs; J. M. Thorburn & Co., 3 cs. bulbs; P. C. Kuyper & Co., 86 cs. bulbs; C. B. Richard & Co., 10 cs. bulbs, 3 cs. plants; W. Elliott & Sons, 9 cs. bulbs; C. F. Meyer, 72 cs. bulbs; H. H. Berger & Co., 1 cs. bulbs; W Hagemann & Co., 182 cs. bulbs; A. Rolker & Son, 12 cs. bulbs; F. R. Pierson Co., 44 cs. bulbs; J. W. Hampton Jr. & Co., 69 cs. bulbs; P. Henderson & Co., 2 cs. bulbs; W. E. Marshall & Co., 13 cs. bulbs; Maltus & Ware, 1326 cs. bulbs. Sept. 15.—McHutchison & Co., 8 cs. live plants. Sept. 17.—Hussa & Co., 2 cs. plants; Yokohama Nursery Co., 11 cs. Orchids.

European Notes

The continuance of changeable conditions, i. e., two days fine and five dull and wet, have made it useless for any special report to be sent, for it would be only the same old story of shortage and discouragement.

Only in southern France and Germany do conditions appear to be on the mend, and in the former district the change has been too severe to be altogether beneficial. The plants of Eggplants, Peppers and Tomatoes have never been very strong,



"NOT HOW CHEAP— BUT HOW GOOD"

Horseshoe Brand Formosa Lilies

In all sizes ready for shipment

Write for prices

RALPH M. WARD & CO.
12 West Broadway
NEW YORK
Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARM
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO,
Radish, Pea, Muskmelon,
Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wallacei, Heneoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY

and the mistral has on several occasions punished them severely, so that several failures, particularly in the sweet, fleshy Peppers have recently occurred. In all cases the crops of the above named articles will be very late in ripening.

Flower seed crops, principally annuals, are looking fairly well on the whole, but Stocks have done very poorly.

In Germany, latest reports on Grass seeds are not very encouraging, and it is certain that prices of the staple varieties will be even higher than last season. Alopecurus pratensis, Festuca elatior, F. ovina and F. duriuscula, Poa pratensis, P. nemoralis and P. trivialis will all be much dearer than before. Holcus lanatus, Anthoxanthum Puelli, and Cynosurus cristatus may possibly be somewhat cheaper. Anthoxanthum odoratum has given a satisfactory crop, but the quality is impaired by rain.

Of vegetable seed crops, some few growers of Lettuce expect good results. Radishes are much the same as last year. Peas are bad beyond any description. Spinach is none too plentiful. Mangel has suffered severely of late and the same is reported of Sugar Beets. Onion has again been damaged by hail, and of round-seeded crops those that have survived are doing fairly well.

As regards flower seed, Asters are a fine sight just now. Balsams, Zinnias, Marigolds, and Salpiglossis also look very promising and only need a fine long Autumn to give good crops. Annual Stocks have suffered in many places, but biennial varieties have yielded well; the outlook on the latter for next year is at present very discouraging. Pansies, Myosotis and early flowering Larkspurs are a good crop, but Godetias, Clarkias, late blooming Larkspurs and Dianthuses of all kinds, both Carnations and Piuks, will he poor.

Our English growers have had a few fine days which have helped Radish and Mangel a little, and given just one more chance to the Peas.

EUROPEAN SEEDS.

American Notes

Grass Seeds

The Grass seed situation, especially with regard to Timothy, is causing the seed trade much anxiety. It is now fully twenty-five years since Timothy retailed at anything approaching its present price. In fact, the writer does not remember and can state positively that Timothy has not sold at retail for over $6 per bushel, for the better grades, in his remembrance. There was a time, along in 1885, when Timothy did retail for a short time at a little over $5 per bushel of 45 pounds, but this price soon declined. It is this season reported that the unfavorable crops are the cause of the high price of Grass and Clover seeds, but digging a little below the surface reveals the fact that manipulation has also crept into these lines much to the sincere regret of the entire seed trade.

Agricultural Fairs

At this season, when the agricultural and horticultural fairs are in full swing, it behooves every dealer in seeds to exhibit vegetable and floral products as far as possible, and as extensively as he is able to do, at the various shows, in his vicinity at least. Such is excellent advertising and can be done at comparatively small expense, when compared with the returns from the same. It is also a good plan to exhibit in show windows products which have taken prizes at the various fairs, with the award cards attached. Such exhibitions will help out window displays very much for the next two or three months, and he quite as attractive as anything that can he used in this direction.

Bulb Business Increasing

While we have not as yet had any frost to amount to anything, the sales of bulbs of all kinds for the Fall plantings, both at wholesale and retail, are rapidly increasing in volume and are already assuming very satisfactory proportions for so early in the season. As has been several times mentioned in this column, it will not be long before shortages in many directions in Dutch and French bulbs begin to appear. In fact, such is the case now with some sorts, especially large sizes of many standard varieties. There never has been a season when large sizes in bulbs were in such strong demand and brought such satisfactory prices. Everyone seems to want the better grades and large sizes of bulb stock. Just as soon as we have a general hard frost all over the country, sales of Holland bulbs will set in in larger volume than experienced for many years. In other lines our seedsmen are selling everything seasonable

Crimson Clover New Crop Imported Seed
At very attractive prices
Send for our extremely low prices and samples on No. 1 KAFFIR CORN fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers
1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

Cyclamen Persicum Splendens
GIGANTEUM HYBRIDS
STRAIN OF HIGHEST COMPLETION OF THE
New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, Improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.
My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free
O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.
CYCLAMEN New Crop Seed Just Arrived
Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.
CYCLAMEN, GIANT STRAIN
Brilliant. Deep crimson, extra.
Excelsior. White, claret base.
Grandiflora alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.
Prince of Wales. Giant bright red.
Rosy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful salmon pink.
Sunray. Pink, claret base.
Finest Mixed, all colors.
The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.
FOTTLER, FISKE, RAWSON CO. FANEUIL HALL SQUARE, also 26 SOUTH MARKET STREET **Boston, Mass.**

Please mention the Exchange when writing.

Cineraria Seed
Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.
Large-Flowered-Prize. Dwarf, Splendid Mixed. Trade Pkt., 50 cents.
PANSY
Beckert's Superb Mixture. Ounce, $4.50.
W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

S & J
Just Arrived
Cyclamen Seed, Giant English strain, very finest obtainable, $1.00 per 100 seeds, $9.00 per 1000 seeds.
Pansy Seed, none finer offered. $5.00 per ounce, $1.50 per ¼ ounce.
SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE SEED
$1.00 per trade packet
EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

CANNAS
We grow over one million and offer for Fall or Winter delivery as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.
IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

Fall Bulb Catalogue
IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.
JAMES VICK'S SONS, Rochester, N. Y.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



Michell's "Distinctive" Quality

French White Roman Hyacinths

For years we have supplied an exclusive quality of Roman Hyacinths and we are pleased to announce that our 1910 supply is again excellent. The uniformity in size of bulbs, the readiness to force, the splendid size and quality of flowers, the glistening whiteness in purity, are all points which, combined, make our **Quality Distinct**. No Florist can afford to be without them.

	Per 100	Per 1000
FIRST SIZE, 11 to 12 ctms	$2.25	$20.00
MEDIUM SIZE, 12 to 13 ctms	2.50	23.00
SELECTED SIZE, 12 to 15 ctms	2.60	24.50
EXTRA SELECTED, 13 to 15 ctms	3.00	28.00

READY FOR IMMEDIATE SHIPMENT

Our Leading Specialty—Michell's "Distinctive"

NARCISSUS PAPERWHITE GRANDIFLORA

Our sale of this important bulb has during the last few years increased to such proportions that we can positively claim to be the largest importers of this bulb in America. A proof by itself of the **distinctive meritorious quality** of **Michell's Bulbs.** Notwithstanding the high quality, it is our prices which win us new friends. Just compare.

	Per 100	Per 1000	Per case of 1250 bulbs	Per 4 cases or 5000 bulbs
FIRST SIZE, 13 ctm. and up	$1.00	$9.00	$11.00	$43.75
			Per case of 1000 bulbs	Per 5 cases or 5000 bulbs
MONSTER BULBS, 14 ctm. and up	1.30	11.00	$11.00	$53.75

PROMPT SHIPMENT GUARANTEED

A Profitable Flower

FRENCH GROWN NARCISSUS TRUMPET MAJOR

If planted immediately these can readily be forced for Christmas and will sell at big prices. While the quality of the flowers is fully equal to the Dutch-grown Trumpet Major, it is only the **French-grown** which can be forced early and we offer "Distinctive Quality" Bulbs.

	Per 100	Per 1000
FIRST SIZE	$1.25	$11.00
MAMMOTH BULBS	1.50	12.50

Henry F. Michell Co.

Our Complete Offer of "DISTINCTIVE" FLORISTS' Bulbs, Seeds and Supplies FREE

Market St., above Tenth
PHILADELPHIA, PA.

Please mention the Exchange when writing.

PANSIES

300,000 Brown's Improved Giant Prize Pansy Plants. In Mixed and Separate Colors, $3.00 per 1000; $2.50 per 1000, in 5000 lots. Fine, Stocky Plants.

Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

SMILAX, extra strong, young plants, ready for permanent beds, at $1.00 per 100; $8.00 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Cut Blooms of Golden Glow

CHRYSANTHEMUMS
Ready, write for prices.

STEVIA COMPACTA
3000 splendid field plants, as big as basket $8.00 per 100.

I. M. RAYNER, Greenport, N. Y.

Please mention the Exchange when writing.

well, and the nursery stock sales, particularly, are satisfactory.

Odd Bulb Varieties

It was noted very generally by all our seedsmen last season that the so-called odd varieties of bulbs were in greater demand than in any previous year, and this being the case it certainly behooves every dealer in Holland and French bulbs to see that the, it may be said, little-called-for kinds receive more attention than they have in the past. There are innumerable sorts in the odd list of bulbs which, while comparatively unknown, are most desirable. The varieties referred to have always been more or less prominently catalogued by seedsmen, as this is necessary to make the Fall list complete, but very little attention has been paid to the proper presentation and sales to customers of them. Of course, it is practically felt, and it should be, that Tulips, Hyacinths, Crocuses, Narcissi, Lilies and the other standard bulb families are pushed prominently and most strongly recommended, but it should be recognized that all the other kinds which go to make up bulb catalogs have their proper places, and they will please customers very much. Again, many of the sorts can be retailed so reasonably that customers will thank their seedsmen for bringing them to notice. This matter deserves more attention than it received last year, although the encouragement this class of stock did receive was most satisfactory.

V.

New York Seed Trade

While as yet the weather has been warm, even for September, with no sign of frost, still it is surprising how the bulb trade is daily increasing. There is little else of real interest which has occured here this week, apart from the excellent trade noted.

Wm. Elliott & Sons are at present filling their advance Dutch and French bulb orders and report that from the volume already received there would seem to be a great season just ahead for them.

Henry Nungesser & Co. report no change in the Timothy and Clover situation, the market being very firm at the advanced rates.

Stokes Seeds Philadelphia

Stokes' Standard Mixed Pansy

The finest strain of Giant Pansies it is possible to produce. It is a blend of all the finest varieties from France, England and Germany.

Trade pkt. (2000 seeds), 50c.; ½ oz., 75c.; ¼ oz., $2.75; 1 oz., $5.00.

PAPER WHITE NARCISSUS

Cases contain 1250 to 1300 bulbs.

The true Grandiflora, or large-flowering type, producing the purest snow-white flowers, large-sized and of good substance; can be brought in without difficulty by Christmas.

	Per doz.	Per 100	Per 1000	5000 lots
Largest Bulbs (13 ctms. and up)	$0.20	$1.00	$8.25	$8.00

STOKES' SEED STORE 219 Market Street, Philadelphia, Pa.

Send for Florist's Wholesale Price List

Please mention the Exchange when writing.

Pansy Plants

Giant Flowering, September 20, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese and Forbesii, $15.00 per 1000,	$1.75
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Gigantea	3.00
NARCISSUS, Paper White	1.50

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price-List on 10,000 lots. Ready from now on.

IXL Strain of Pansy Plants

LIMITED

You Can't Beat Them. Finest Yet.
1000 lots, at $3.00 per 1000
5000 lots, at 2.50 per 1000
5000 lots and over at same rate.

Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

GIANT AND PANSY SEED PLANTS

THE KENILWORTH STRAIN

1910 Seed, Light, Medium, or Dark Mixtures, 2000 seeds 50c., 5000 seeds $1.00, ¼ ounce $1.25, ounce $5.00.

Also the following colors of the Kenilworth Strain: Yellow, Yellow with dark eye, Lord Beaconsfield, Mme. Perret, White with dark eye, Purple Masterpiece, Red, Bronze and Light Blue Shades.

Trade Pkt. 25 c
any five, $1.00.
Plants, 100
50c. 1000
$3.00.



Please mention the Exchange when writing.

Order Now from Our Surplus Stock

FREESIAS, 1-2 to 3-4 inch (Samples upon request)

LILIUM FORMOSUM, all sizes

WRITE FOR PRICES

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., **New York**

Please mention the Exchange when writing.

HEADQUARTERS FOR

GLADIOLI

AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.



ONCIDIUM VARICOSUM ROGERSII (Greatly reduced)

Good Pieces
$100.00 per 100, $13.00 per doz., $1.25 each

Fine Pieces
$60.00 per 100, $7.50 per doz., 75c. each

We have about **1000 fine pieces** of this **grand orchid** in prime **dormant condition** and offer them as above till sold, as we have no greenhouses to grow them.

Your money back in flowers this Fall

Oncidium Varicosum Rogersii

THIS Orchid is one of the most popular and free-flowering types of the Oncidium family. *Oncidium varicosum Rogersii* throws 3-foot stems, bearing as many as 170 blossoms of a rich golden yellow, 2 inches and over in diameter, and can be successfully grown either on blocks of wood, in pots or in baskets, and flowers in November and December in a night temperature of 55 to 60 degrees.

ARTHUR T. BODDINGTON
342 W. 14th STREET *Seedsman* NEW YORK CITY

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., LTD., 2-8 Duane Street, NEW YORK

S. B. Dicks of Cooper, Taber & Co., London, Eng., will sail for home on the S. S. Lusitania on September 28. Mr. Dicks reports an especially satisfactory and enjoyable trip this season, finding the American seed trade, as a whole, in a most healthy and prosperous condition.

The Stumpp & Walter Co. has been exhibiting many varieties of Gladiolus cut blooms the past week at its Barclay st. store. The company is this week offering, at especially attractive prices, Lilium Harrisi and Lilium Formosum bulbs.

The question of extra help is again becoming quite an urgent one here. In fact, many of our seedsmen will, this season, do such an increased business in bulbs and seasonable stock that they will be absolutely obliged to obtain additional hands, and where to get those who are experienced is not an easy question to answer.

W. E. Marshall & Co. report excellent sales of all plants desirable for window boxes and house decoration. This is a line to which this firm has given especial attention, and their location on 23d st. is well adapted for the retailing of such plants.

J. M. Thorburn & Co. are continuing their attractive exhibitions of vegetables grown at their trial grounds at Noroton, Conn. This is excellent advertising.

Vaughan's Seed Store has a most attractive window of bulbs this week, and a great deal of praise is due for the vast amount of labor and time this house has expended to arrange this display, when they are so busy with every other line; but it is excellent advertising and every seedsman who sees the attractive windows of the Vaughan's Seed Store cannot but appreciate it.

Kennedy & Hunter report their retail counter trade very brisk now. They have also received, the past week, several large orders for Grass and Clover seeds. Dutch and French bulbs have also commenced to go rapidly and, altogether, the business has started very satisfactorily at their new West 34th st. store.

Philadelphia Seed Trade

All of the seedsmen now are "up to their eyes" in French and Dutch bulbs; bulbs by the bushel at the store entrances, window displays of bulbs, and counter displays also; boxes, and bags of bulbs in the store rooms, in fact bulbs everywhere. The seedsmen seem just now to regard it as heterodox to talk of anything else but bulbs, and to tell the plain truth these bulb displays look mighty nice and are a strong temptation to amateur and professional growers alike, to which they usually yield, and that keeps the bulbs moving.

However, a window of perennial blooms, a few Pumpkins from the trial grounds, a few baskets of pearl and tree Onion sets for Autumn planting, and some seasonable decorative plants at the store entrances, with a little talk about the jump in the price of Timothy Grass seed, and the statement that there will probably be no more than a 75 per cent. delivery of contracts for standard varieties of Tomato seeds relieve the bulb monotony.

One of the store windows at Henry A. Dreer's, 714 Chestnut at., is made bright and cheerful by an abundant display of Tritoma Pfitzeri, which contrasts nicely with a display of the blooms of Hydrangea paniculata grandiflora in the same window; the one is a herbaceous perennial which is growing in popularity, and the other, probably, taken all in all, is the best all around blooming shrub.

The Henry F. Michell Co., 1018 Market at., will hold its second annual Dahlia show at its store, from Tuesday, Sept. 27 to Friday, Sept. 30, inclusive. This company offers special prizes for the best exhibits by private gardenera. Last year the Dahlia exhibition drew to the store thousands of people. The exhibition will be under the management of Philip Freud, which is a sufficient guarantee of its success. Maurice Fuld will be one of the judges at the Dahlia show at Glen Cove, L. I., Sept. 26. A Mammoth Tours and a Connecticut Field Pumpkin, each of large size, and some Citron Melons, all from the "Evergreen Seed Gardens," Torresdale, Pa., are noted at the Michell store entrances, fine specimens for so early in the season and true to the type. Harlan P. Kelsey of Boston, Mass., was a caller at the Michell's store recently.

Walter P. Stokes is receiving some very choice seed Wheat, of both the bald and bearded varieties, which is meeting with a good sale. He is receiving larger bulb orders than in any previous year, and he finds that Autumn trade in poultry supplies is opening up unusually well.

An outside, window, and counter display of French and Dutch bulbs, and of Spanish Iris, is seen at the establishment of the Johnson Seed Co. Pearl Onion sets and potted Strawberry plants are also offered. Herbert Johnson, Jr., is finishing his vacation at Atlantic City, N. J.

The Moore Seed Co. was among the very first to receive shipments of bulbs this season, but it has been so busy shipping out orders that it is only just now making its usual well-arranged window display.

BOSTON.—J. M. Gleason and A. F. Barney of the Schlegel & Fottler Seed Co. severed their connection with the above firm on Sept. 17. They both have managed the business since it was incorporated nine years ago. Mr. Barney had been 29 years with the firm and Mr. Gleason 23 years. These gentlemen are as well known and as highly respected as any seedsmen in this city, and many here feel that it is a great detriment to the local seed trade to lose such influential and successful men in their line and hope to hear of their being located in their line in the near future. R. C.

Notes from Holland

Bulb shipments were started promptly this year during the first days of August and bulb lifting may be said to have ended by that time. As was anticipated, the crop of yellow Crocus has turned out a very poor one and, in consequence, prices have gone up sharply. All other Crocus are yielding a good crop and are selling quickly at medium prices.

Tulips are moving slowly with the exception of all the late flowering and Darwin Tulips which appear to be in good demand and are selling at considerably better prices than last year. In consequence the growers have cleared completely whatever saleable bulbs of May flowering Tulips they had and smaller bulbs are now even being handled. The export houses are now pushing shipments with all possible vigor as the bulbs have ripened off in good time and the curing process was finished quite two weeks ahead of last year's.

Narcissus have turned out a fine crop but the double Von Sion in good size bulbs are still in very good demand and change hands at high prices.

The early Gladioli are now also out of the ground and are selling rapidly at low prices. Gladioli crops in the fields are not looking exceedingly well and no great expectations are being entertained as to the crop prospects.—*Horticultural Trade Journal, Sept. 7.*

S. B. Dicks on California as a Seed Raising Center

In 1793 Cooper, Taber & Co. of London, England, the greatest seed growers and merchants of the time, offered to the public seven varieties of Sweet Pea seed. Today the same firm offers, from a complete list, at least 700 varieties and the majority of them are raised in California.

"Truly, the world is turning 'round."

S. B. Dicks, fellow of the Royal Horticultural Society of England and member of the firm of Cooper, Taber & Co., said as much in a recent interview with a Los Angeles (Cal.) newspaper representative. Mr. Dicks is making his annual tour of the United States in the interest of his firm. Incidentally, a member of the firm has visited the United States for the past 82 years, without exception. Nowadays, the tour is not complete without a visit to California.

"The time was," Mr. Dicks said to the reporter, "when England sent seed to California. Now California is sending seed to Europe and that is why I say the world is turning 'round." At one time California was sending its money to England for the seeds that were necessary in its development. Now we are sending our money here for seeds that we distribute to the world.

"There are three special kinds of seeds in which the trade of Europe has been transferred to California, and to Los Angeles, I may say. First, there is the lowly Onion. The Onion is grown to greater perfection in California than in any other State of the Union or in Europe. At one time we drew upon the East for our supply of Onion seed, but now we are coming to California and to Los Angeles. California has given the East a knockout blow, so far as Onions go.

"Second, there is the seed of the Lettuce. Lettuce is grown by the hundred thousand pounds in this State, I find. The seed is of particular value because of the state of perfection which it reaches. This climate allows it to grow to greater maturity and, consequently, is more hardy and even after two or three years is as good for our purpose as it was when first gathered.

"As for Sweet Peas, this is the market upon which the world draws for its seed. The culture of the Sweet Pea practically has been driven out of Europe because of disastrous seasons and has settled in California, where hundreds of acres are grown. Again, I say, the climate is responsible. Here the product may be cut, dried and threshed in the open field, while in Europe we are forced to cut, then stack and wait for favorable weather to thresh. All of these conditions have a bearing on the price of the seed. We can buy here and ship to Europe and sell the seed as cheaply there as we formerly did the home-grown variety.

"Germany, for many years, was the principal growing ground in Europe for Asters. There, again, climatic conditions militated against the culture of the Aster and of recent years it has been practically impossible to get satisfactory seed from Germany. The germinating quality was poor and the seed was deteriorated. Here the Aster gets all the sunshine necessary and we find the finest seed now comes from California."

The Sweet Pea, no doubt, is Mr. Dicks' hobby. He is one of the founders of the National Sweet Pea Society of England, which has done more to foster the culture of the Sweet Pea than any other horticultural organization. Besides, Mr. Dicks wrote a history of the Sweet Pea which now is considered an authority.

The house of Cooper, Taber & Co. has been in existence since the time of Queen Elizabeth. The head of the house was at that time a common councilman and Shakespeare was appearing in his Black Friars Theater close to the spot where the London house of the firm now stands.

"I dare say we may have sold Shakespeare himself some seeds, although it is not recorded on our books," Mr. Dicks said this morning. "He probably paid cash, if he bought."

Publications Received

Proceedings of the 28th Annual Convention of the American Seed Trade Association, held at Atlantic City, N. J., June 21 to 23, 1910.

Does It Pay to Advertise In The Exchange?

Here is an experience my old friend, Walt Workman of Oswego, has just had with firms who advertise in The Florists' Exchange.

After planting his Carnations he found he was shy 150 plants of Winsor, and wrote for them to a firm in this city (Syracuse, N. Y.) receiving a reply, "Sold Out." He wrote to three other firms with the same result.

The fourth wrote, "We are sold out but have taken the liberty of turning your check over to a friend who has a large stock." "I though it very kind, and was mighty glad to get them," concluded Walt.

There are many men who have surplus stocks of Carnations and other plants which they throw away rather than spend a few dollars on printers' ink to advertise them, and it is for their benefit I send the above. H. YOUELL.

The American Carnation Price $3.50
A. T. De La Mare Ptg. & Pub. Co., New York

VOLUME 1 NUMBER 12

BODDINGTON'S STORE NEWS

SATURDAY, SEPTEMBER 24th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:
Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.
Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.
Lilium Speciosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY (Cold Storage)

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc.

FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 11 to 12 centimeters, 2,700 bulbs in a case.	$2.25	$20.00
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	2.85	25.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

FREESIAS (French-Grown)

	100	1000
Bulbs, ⅜ to ½ in. in diameter	$0.75	$5.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

PAPER WHITE NARCISSUS GRANDIFLORA

With the **florist** is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type **Totus albus** and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00

LILIUM CANDIDUM

The thick-petaled kind. Only the largest size, 22 centimeters and up, in circumference. You should plant some of these. They are excellent for cutting in May and June. $4.50 per 100, $40.00 per 1000. About 250 in a case.

LILIUM LONGIFLORUM FORMOSUM

The wonderful new **Easter Lily from the Island of Formosa.** Said by the **introducers to be free from disease and easy to grow.**

	Doz.	100	1000
6- to 8-inch, 400 bulbs in a case	$0.60	$4.50	$40.00
7- to 9-inch, 300 bulbs in a case	1.00	7.00	67.50
8- to 10-inch, 200 bulbs in a case	1.25	10.00	95.00
9- to 10-inch, 200 bulbs in a case	1.50	10.75	105.00

Our 1910 Fall Catalogue now ready contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

DUTCH BULBS HAVE ARRIVED

AND WE CAN MAKE IMMEDIATE DELIVERY
QUALITY AND PRICE RIGHT. CATALOGUES FREE.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3-inch pots, $7.00; from 4-inch pots, $15.00; from 5-inch pots, $25.00 per 100.

PRIMULA obconica grandiflora and Gigantea, Ronsdorfer and Lattman's Hybrids well grown stock from 4-in. pots, $10.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

PETUNIAS

Seeds of our celebrated strains

Marvelous Dobule and Giants of California (Single)

Orders booked for Fall Delivery.

We are also large growers of other Small Seeds. Send for trade list.

Theodosia B. Shepherd Co.
Ventura, California

Please mention the Exchange when writing.

CROTONS

We have about 300 plants, good varieties, **Baroness Rothschild, Day Spring, Queen Victoria,** etc., well colored, but plants that are too tall for immediate use. Fine for propagating and the top cuttings could be mossed making a perfect plant in a few weeks.

We need the room and offer them at 15-20-25 and 35c. each, 5-6 and 7 in. pots.

A few fine flats of **SEEDLING FERNS** left at $2.00 each.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. DeLaMare Ptg. & Pub. Co., 2 Duane St., New York

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

HARDY CHRYSANTHEMUMS

IT will be admitted we are offering below a splendid list of these popular plants, both in the Pompon and Large Flowering types. Delivery will be made in October in strong field roots, just what is needed for Winter propagation. File your orders now.

Anna Mary, (Pompon), salmon pink.
Ashbury, (large flowering), sulphur white.
Blushing Bride, (P.), clear pink.
Brown Bessie, small, globular, brown.
Dawn, (P.), Daybreak pink.
Dundee, (P.), maroon shaded scarlet.
Gladys, (L.), pearl pink.
Golden Pheasant, small, round yellow.
Jerry, (L.), pretty lilac rose.
L'Ami Courderchet, (P.), dainty sulphur white.
Model of Perfection, small, round white.
Mrs. Snyder, (L.), clear yellow.
Patterson, (L.), beautiful old gold, shaded darker.
President, (L.), rich purple crimson.
Princess of Wales, (L.), white.
Regulus, (L.), bright terra cotta bronze.
Rosinante, (P.), blush rose, very dwarf, distinct and beautiful.
Salem, (L.), silvery rose.
St. Alamo, (L.), extra fine white.
Sunshine, (P.), golden yellow.
Tiber, (P.), light bronze.
Trojan, (P.), maroon, dwarf and very free.
Willie, (L.), lilac and white.

Any of above, **75c.** per doz., **$5.00** per 100.

AMON HEIGHTS NURSERIES, Merchantville, N. J.

Please mention the Exchange when writing.

PROSPERITY! PROSPERITY!! PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with Araucarias fine.
With Ferns that are better than before;
For Palms that are stately should in our windows shine.
So our stores will have patrons evermore.
Let us wend our way to **Aschmann's** and choose the best he grows
(The plants that we need he has galore),
And, as we count our profits, see the end of all our woes.
While hard times come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 50c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.; 4-in., 10c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 5½-6 and 7 in. pots, 25c.-40c.-50c.-75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, $3.00 per 100.

ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 6-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.

RUBBER PLANTS, 6-in., 40c.

PTERIS WILSONI, a popular and showy Fern, 5-in. pans, 25c.

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.

ARAUCARIA Robusta Compacta, $1.00, $1.25.

ARAUCARIA Excelsa, top cuttings, no seedlings, 5-5-7 in. pots, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 40c.-50c.-60c.-75c.-$1.00-$1.25-$1.50.

KENTIA Forsteriana, 4-5-7 in. pots, 20-25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.

KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-35-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.

COCOS Weddelliana, 12 to 15 in. high, 15c.-20c.-25c.

SAGO PALMS, Cycas Revolutn, 6-7-8 in. pots, 5 to 20 leaves to the plant, 10c. per leaf.

Cash with order, please.

All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Western Montana Apple Show

Missoula, the Garden City of the Treasure State, is to be the scene of the Western Montana Apple Show, to be held Oct. 10 to 15. We notice that while premiums are offered for displays of fruits, vegetables, hay, grain and produce of all kinds including the product of the housewife, such as canned fruits, jellies, pickles, etc., there seems to have been no provision made for displays of flowers. This show is practically a fixed feature for the State of Montana, and we trust in the near future to see the prize list extended so as to encourage the productions of both greenhouse and nursery.

California Notes

Summer time is with us yet, here in Los Angeles, in all its intensity. Yesterday, Sept. 9, at 5 a.m., the humidity was 28%, at noon 22%, and at 5 p.m. 39%; the maximum temperature 94°, minimum 61°. I refer to this at this time that your readers on the Atlantic side of the United States may understand our peculiar climatic conditions, and why seed curing, threshing, and cleaning may be carried on in the open, which obviates the necessity of expensive buildings for the successful operation of seed growing. The question will naturally arise in the mind of the careful thinker: Why should the humidity be lower in the morning than during the evening? The reason is that the wind blows toward the ocean from off the desert, from about midnight to midday, and in this instance only two miles an hour; and from noon from off the sea, at eleven miles per hour; yet the air was as dry as indicated in the record.

The effect of this desiccated atmosphere on plant life is little understood, even by intelligent people on this Coast, and Atlantic Coast gardeners cannot understand why it is that in this mild climate all plants which will endure several degrees of frost without injury cannot be successfully grown in the open. This is the cause; moreover, not one person in a hundred who comes to this State to make a home is capable of leaving traditions and early training behind, and the result is failure and disappointment. A single incident will illustrate this truth. A Grape grower from an eastern State, several years ago, located in the raisin district of this State; and seeing Muscat, Hamburg and Tokay Grape vines spread all over the ground, resolved in his mind to show the benighted vineyardists how to grow Grapes. He built trellises and trained his vines on them as he was accustomed to do "back East," and the result was that mildew took his crops and vines, for the reason that rarified atmosphere permits rapid radiation of heat from the earth as soon as the sun sets, and the low temperature above the ground at night chilled his vines and induced the mildew, while those lying on the ground were kept warmer by the heat of the soil, and flourished. This man's arrogance cost him considerable money, yet made him a wiser man.

The foliage of Tomato plants, when grown in full sun under such conditions, become very small, and the plant weak and debilitated. Caladium esculentum foliage burns even though the roots stand in water; and in one instance I saw the foliage of common field Corn scorched while water was run on the roots.

This leads me to remark that, because of these peculiar conditions, Muscat Grapes contain 25% to 28% sugar. Figs are edible, skin and all, and contain about the same amount of sugar; and all acid fruits grown in this State that are also grown in the Atlantic States lose much of their acidity.

A beneficent Creator has provided fruits for all men in all countries, suitable for their necessities. There is no need to grow Currants in our warm valleys; Pomegranates will fill their place, and where the Lemon will live these two fruits afford fruit acids. Guavas and Loquats are also very acid, and serve the purpose of Gooseberries and Cherries. And now we have an evergreen Grape, a native of South Africa, thanks to the enthusiasm and indefatigable labors of Dr. Franceschi, which bears fruit very like the Black Morella Cherry in size, shape, color and flavor. Certainly variety enough to please the most exacting housekeeper in this or any other land.

P. D. BARNHART.

Baltimore

C. B. Hoffman of Arlington, Md., has planted his house with single Violets and still has a choice lot of field plants for sale.

A. Fiedler of S. Charles st. reports a heavy business in funeral work.

T. N. Gray of Catonsville has a fine collection of Ferns and Sago Palms.

E. Kress made things hum in the poultry show last week at Prospect Park, winning prizes.

Mrs. J. Oler is reported much better. She has been ailing for about a year.

Fred'k Lapp's Canna Farm

The writer recently visited Frederick Lapp's Canna Farm at Stemmers Run, on the P. B. & N. R. R.; it is about one mile above the station on the Golden Ring Road. There he saw a gorgeous display of thousands of blooming Cannas, the best he has ever witnessed. Along the roadside were many rows of Cannas in bloom with the greenhouses as a background. In the greenhouses solid beds of large massive trusses of nearly every color imaginable could be seen; this stock is used for propagating for next year. Again, on the outside, two more fields were seen containing thousands of Cannas in full bloom, planted in hills about 1x3 ft., and so arranged that perfect drainage was certain.

Flowering dwarf Cannas, in particular, were a delightful sight. Taken altogether, from the dwarf to the tallest, the Cannas were to be seen in their most luxurious state. They are all Mr. Lapp's own seedlings.

He has other seedlings of various plants and next year will attempt to improve on Roses, Carnations and Gladioli.

The Vincent's Dahlia Show

The time is fast approaching for the great Dahlia and Canna exhibition of R. Vincent, Jr. & Sons Co. at White Marsh, Md., about one mile from Cowenton station, on the B. & O. R. R. At the present writing everything is on the hustle for the fourth annual Dahlia show to be held there Sept. 27 to 30; 45 acres of Dahlias will be seen in the finest possible condition, needing only the promised rain to put them in the best shape. Lovers of flowers are urged to make the trip next week and will certainly receive an unexpected treat.

Words are inadequate to fittingly describe the field of the massive Cannas in full bloom; they simply dazzle and bewilder until one is lost in admiration.

There are many new features anticipated for the vast display in what will for the time be the exhibition hall, namely, the large packing and potting shed; here hundreds of varieties will not only be put up in the regular exhibition style but also arranged in their different classes, while huge banks will be massed for color effect and to show off to best advantage the decorative uses to which they can be put.

On Tuesday, Sept. 27, the Gardeners and Florists' Club of Baltimore will attend in a body accompanied by visitors from Washington and other cities; they will go on a special train which will leave Camden Station (B. & O. R. R.) at 12.40 p.m., stopping at Mt. Royal and Gay st. stations.

On Wednesday, Governor Crothers, Mayor Mahool and the county commissioners of Baltimore will be guests of honor. The days following will be taken in by those who could not be present the first two days. The show is expected to excel any yet held.

Market Conditions

We are still in the clutches of a severe drought and at present writing there is no prospect of a break. Wells are beginning to dry out and the city water supply is getting short. The water department is urging the public to be very careful. This is a serious matter and if rains do not come soon many of the growers will suffer. In some sections plowing is a thing of the past as the soil is hard as iron and no Fall plowing can be done unless rains come. Outside stock is suffering not only for want of rain but what there is left is troubled by grasshoppers.

Very little stock is coming in and is quickly used up. Roses are plentiful, Carnations scarce. Dahlias are short in their usual supply owing to the drought. Asters are slackening up; Cosmos are slow. Greens are a little steadier.

J. L. T.

F. E. BEST ADVERTISING MEDIUM —ALIVE AND UP-TO-DATE

The Quality of Our Stock will Please the Most Critical Buyers

CRAIG QUALITY STOCK

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall, $5, $6 and $7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots .75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans.....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceof the Croton family.

5-7-8-in. pots .....$1.50, $2.00 each

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracænas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready September 15th.

5-in. pots .....$5.00 and $6.00 per doz.

Dracaena Terminalis

This is the best variety for Christmas sales. We will have a superb stock for delivery after Oct. 15; perfect in foliage and exceptionally well colored. We are now booking orders for same for above delivery at the following prices:

4-in. pots, strong.....$25.00 per 100
5-in. pots, strong .....$50.00 and $75.00 per 100
6-in. pots, strong.....$9.00 and $12.00 per doz.

Phoenix Roebelenii

Thia is unquestionably one of the great Palms of the future, comhining the grace of a Cocos Weddeliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizea is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb Stock.

8-in. pots, strong plants, $18.00 and $24.00 per doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers,....$9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

6-in. pots, 3 plants, 24 to 26 in. tall....$9.00 doz.
Heavy 6-in. pots, 3 plants, 28 to 30 in. tall, ...$12.00 doz.
Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall...$24.00 doz.
Heavy 7-in. pots, 3 plants, 49 in. tall...$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall..$3.50 each

Pandanus Pacifica

Very handsome planta.

11-in. tubs,....$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $1.50, $2.00, $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy.....$6.00 and $9.00 per doz.
8-in. ¾ pans, heavy.....$15.00 per doz.
10-in. ¾ pans, heavy.....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strongs plants..$6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots.....$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Bostoniensis Harrisii

The greatly improved Boston. Especially good in large plants.

11-in. tubs, very handsome.....$3.00 each

Neph. Scottii

Our stock in superb condition.

2¼-in. pots .....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots .....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome.....$18.00 per doz.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, Sept. 15 delivery.....$50.00 per 100
3-in. pots, ready now.....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of LIGHT BEGONIA LONSDALE sport at the same prices. This variety we cousider far superior to the original type, it making a finer shaped plant aa well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our atock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots .....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants.....$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy..$8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy....$9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth & Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $6.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.
PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

20,000 VIOLET PLANTS

Princess of Wales, Marie Louise and Farquhar, Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

ASPARAGUS PLUMOSUS NANUS

2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES

92 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

TEN THOUSAND

Violet Plants

Healthy, Field-Grown Plants LA FRANCE, $5.00 per 100, $45.00 per 1000. Also 2000 FARQUHAR, $5.00 per 100, $45.00 per 1000 or $80.00 for the 2000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

VIOLET PLANTS

Field-Grown Clumps of Gov. Herrick at $6.00 per 100; $50.00 per 1000. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK

Florist and Nurseryman, HIGHTSTOWN, N. J

Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $45.00 per 1000.

Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAIN, N. Y.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size,	$8.00, $20.00 and $25.00
VINCA Variegata, 8 to 12 vines	$5.00
SHASTA DAISIES fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
PRIMULA Obconica and Kewensis, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Guttata, 4 in.	5.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00

30 ASPIDISTRAS, green, 3 leaves, lot for $2.50.

45 large field clumps DAHLIA Jack Rose, lot for $8.00.

ABUTILON Savitzii, R. C., by mail.. 1.50

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Surplus Stock

offered cheap to make room.

Dracaena Indivisa

2000 plants in 2-inch pots, $2.00 per 100.

Clerodendron Balfouri

150 plants in 4-inch pots, $20.00 per 100.
6 large specimen plants, $3.00 each.

Ophiopogon Jaburan Variegatus

75 plants in 5-inch pots, $20.00 per 100.

Pandanus Veitchii

6 plants in 10-inch pots, $2.50 each.

Boston and Scottii Ferns

15 specimen plants, $2.50 each. Also a lot of smaller ones from 6-inch pots up; will quote prices on request.

S. J. IRVINE

"D" Street, above Wyoming Avenue

PHILADELPHIA

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
BEGONIA Vernon, 4-in. pots, in bloom, $1.00 per doz.
STEVIA, dwarf, 4½-in. pots, $1.00 per doz.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.
ARAUCARIA Excelsa, 6-in. pots, 3 tiers, 50c. each.
RUBBER PLANTS, 6-in. pots, 25c. each; 6-in. pots, 35c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.
BOSTON FERNS, 4-in. pots, $1.50 per doz.; 5-in. pots, $2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.
CINERARIAS, Finest Varieties, 2½-in. pots, $3.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.
REX BEGONIAS, 2-in., $4.00.
COLEUS, 2-in., $1.00.
SCOTTII FERNS, 3-in., $6.00.
GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.
VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.
HELIOTROPE, 2-in., $1.50.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Garrettford, Pa.

Wm. Munro has 15,000 sq. ft. of glass devoted to Roses. One new house, 72x150 ft., is now all stocked, and he is making some repairs to the heating plant. Mr. Munro has been here seven years, coming here from Canada and England, and has spent all his life in floriculture.

David Anderson has ten houses, and will erect another during the coming Spring. The stock here has been off crop, but is now picking up and the prospects are good for a nice trade this Winter.

James Verner has about 20,000 sq. ft. of glass all devoted to Roses, and at present all hands are engaged in "cleaning house." Two large circular Coleus beds on the front lawn of Mr. Verner's residence are worthy of remark; they are well designed and show the care of a "plant lover."

P. M. R.

Rochester, N. Y.

Business for the past two weeks has been generally fair. The Aster market, however, has been very much overstocked, the bulk of arrivals mainly worthless material. It seems that with all the past experience with this stock, low prices, losses, etc., the undaunted Aster grower bobs up serenely with a repetition of his doings the previous year—shipping a lot of poor material carelessly bunched, instead of a moderate quantity of well-grown stock properly and carefully prepared for market. Roses are not over plentiful and have not been moving readily; but at the time of writing the demand seems to be bracing up, and the improvement will no doubt continue till Chrysanthemums arrive in quantity.

The annual ceremony of the Roman Catholic Church held here each year, designated as the "Blessing of the graves," takes place on Sept. 25. This occasion consumes an immense quantity of flowers and practically closes the Aster season. Usually, everything looking like an Aster is snapped up on the Saturday night before the ceremony takes place.

E. C. Campbell has completed a new Carnation house, which makes a substantial addition. His concern will devote a house to the growing of Bouvardia this year, having had good success with it last season. A good cut of Chrysanthemums is also assured.

C. H. Vick, of the exhibition committee, has called a meeting for Wednesday, Sept. 21, to get all in line for the flower show to be held Nov. 1 to 5. The time is rapidly approaching for all to get busy.

H. B. STRINGER.

Pittsburgh

The past week's trade was rather dull; stock seems abundant. Asters and Gladioli are still in the lead, but there are not many flowers of good quality. Carnations are not much in evidence yet, but are coming in more freely than a few weeks ago. Some fair American Beauty Roses were noticeable lately, ranging in price from 10c. to 15c., wholesale.

The bulb trade promises to be lively this Fall. Several department stores are advertising at low rates many varieties of bulbs, etc., although the prices are such that the seedsman and bulb dealer can readily meet, and they, invariably, give better stock.

In the florist's trade quite a few changes have been noticed lately, and still more are to come. A. M. Murdock, one of the old timers on Fifth ave., retired a short time ago. The Zieger Co., in the East End, will shortly open a branch store on Highland ave., a prominent locality.

The Allegheny Floral Co., a new concern, opened up a store on Federal st., North Side. J. F. Jedlicka and A. J. Perlik, two former employees of E. C. Ludwig, are the proprietors. The Pittsburgh Cut Flower Co. also expects to change quarters ere long.

De Forest Ludwig, eldest son of E. C. Ludwig, the North Side florist, who is connected in business with his father, left last week for Utica, N. Y., to start a three or four years' course in floriculture, horticulture, forestry and botany at Cornell University.

Gustave Ludwig, of G. & J. W. Ludwig moved from his old home on High st. to Sandusky st., a short time ago, and is now close to his place of business on Diamond st.

W. P. Craig, of Robt. Craig Co., and I. Rosnosky, of Henry Michell Co., both of Philadelphia, were visitors during the week.

At John Bader's place, on Troy Hill, B. L. Elliott is busy receiving importations of plants and bulbs; also making repairs and reglazing some houses.

E. C. REINEMAN.

Seasonable Plants

ASPARAGUS Sprengeri, 2¼ in., $2.00 per 100.
FERNS, Boston, Piersoni, Whitmani, 4-5-6-8-10-12 in. pots, 15c., 20c., 50c., 75c., $1.00 and $2.00 each.
BEGONIA Vernon, R. P. and White, 4 in., $5.00 per 100.
CELERY PLANTS, Golden Heart and Self-Blanching, 25c. per 100, $1.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORGET-ME-NOT	3.00
DAISIES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

Seasonable Plants

CYCLAMEN, 3-inch, $7.00 per 100. DRACAENA Indivisa, 4-inch, $10.00 per 100; 2-inch, $2.00 per 100, $18.00 per 1000. ASPARAGUS Sprengeri, 2-inch, $1.50 per 100; 2½-inch, $2.50 per 100; 3-inch, extra strong, $4.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

Hydrangeas—Ferns

All Pot-Grown Stock.

500, 4-inch HYDRANGEAS, for Easter, good, strong plants. FERNS, Scholzeli, 2-in., $6.00 per 100; 4-in., $25.00 per 100. Scottii, 2-in., $4.00 per 100; 4-in., $15.00 per 100; 6-in., $40.00 per 100; 10-in., $12.00 per dozen. ASPARAGUS Plumosus nanus, 3-in., $5.00 per 100. Cash with order. Stock guaranteed.

WM. C. SMITH

61st and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price $15.00

THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $2.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

RESIDENTIAL SITES AND ENVIRONMENTS.—Joseph F. Johnston. One of the finest landscape books ever issued. Price, $2.50.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

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The Florst's Exchange No. 2 Duane St. New York

F. E.—Best Advertising Medium

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . . . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00
7-in. pots, 3 plants in a pot, 36 in. high	2.50

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.
3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.
5-in. pots, 18 to 24 in. high, splendid plants, 75c. ea.
7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

4-in. pots, $3.50 per doz., $25.00 per 100.
5-in. pots, $6.00 per doz. (Nicely characterized.)

Phoenix Rupicola

	Each
Good 6-in. pots	$1.50
Good 8-in. tubs	2.50

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25
6-in. pots, nicely characterized	2.00

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

FINE FERNS

Nephrolepis Bostoniensis

(The Boston Fern)

	Each
6-in. pots	$0.50
10-in. pans	2.00

Nephrolepis Scholzeli

(Crested Scott Fern)

2¼-in. pots, $1.25 per doz., $8.00 per 100, $75.00 per 1000.
6-in. pans, 50c. each. 10-in. pans, $2.50 each.
8-in. pots, $1.00 each.

Nephrolepis Whitmani

(The Improved Ostrich Plume Fern)

2¼-in. pots, 75c. per doz., $5.00 per 100, $40.00 per 1000.
4-in. pots, 25c. each. 6-in. pots, 50c. each.
10-in. pans, $2.00 each.

Asplenium Nidus Avis

(The Bird-Nest Fern)

A nice thrifty lot of this interesting Fern.

	Each.	Doz.
3-in. pots	$0.30	$3.00
4-in. pots	.40	4.00
5-in. pots	1.00	

Pteris Wilsoni

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	Per 1000
6-in. pans	$35.00	
2¼-in. pots	3.50	$30.00

Araucaria Excelsa

	Each.
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in. high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Glauca

	Each.
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Araucaria Robusta Compacta

	Each.
5-in. pots, 10 to 12 in. high, 2 to 3 tiers	$0.75
6-in. pots, 12 to 14 in. high, 2 to 3 tiers	1.25
7-in. pots, 16 to 18 in. high, 3 to 4 tiers	1.50

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each.
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Dracaena Massangeana

	Each.
4-in. pots	$0.50
5-in. pots	.75

Pandanus Veitchii

A grand lot of well colored, perfect plants.

	Each.
6-in. pots	$1.00

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc. 714 CHESTNUT STREET PHILADELPHIA, PA.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

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White La France
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Dorothy Perkins
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Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

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PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.

Nurseries

QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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Leonard Oorthuys

POUGHKEEPSIE, N. Y.

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5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

PEONIES

Our Seventeenth Year. Prices Right.

Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

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Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

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The Nurseries are situated on the Main Road from Leiden to Boskoop, one hour cab drive from Leiden, 25 minutes' walk from Boskoop.

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Magnolias—Collection of 30 Varieties

Conifers, Roses, Clematis, Peonies, Herbaceous Plants, American and Japanese Plants. New, Rare and Choice Shrubs

LARGE Stocks of HARDY EVERGREENS in Different Sizes

Catalogues Free on Application

The Gold Medals and Prize of Honor won by our groups of Forced Plants, Evergreens and Magnolias at the Haarlem Show, speak of the high grade stock we grow.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Cyclamens

Important Facts in Regard to Early Flowers

I just want to remind you that, with the stock intended for Christmas blooming, the growing season for the plants is drawing to a close and the sooner it is finished the better. Transplanting after the end of September is of little benefit to the plants which are expected to bloom early, for it has a tendency to start a new growth which might retard the development of the little buds, and your whole attention should be given from now on to the buds which by this time are beginning to appear at the base of the leaves. That means to get the plants to the sunniest bench, in a Carnation house temperature. Let the light and sun enter right between the leaves. If the bench the plants are on has a 6" side board, as is usually the case, place some 6" pots upside down on the bench and set your Cyclamens on them. Plants which do not now show buds will not be in on time for Christmas. By "showing buds" I do not mean two or three buds ready to bloom, or those up even with the foliage, but a mass of little fellows the size of pins' heads, with a sixteenth of an inch stem—these are the buds which will do the flowering for the holidays. If you encourage the plants to make a new growth of leaves after this date, by giving them a moist atmosphere, shade on the glass overhead, and a shift into larger pots, these little buds will stay right where they are—at a standstill. The size of plants hasn't much to do with getting them into bloom; it is a matter of whether there are any buds visible now, and the treatment the plants get from this time on.

Advertising

Good Time to Get Busy in This Line

Have you thought of the advisability of a little advertising in order to make things lively between now and Thanksgiving? There are the bulbs, the perennials and the shrubs; a lot of these will be planted in the next eight weeks. Some customers placed orders long ago, but the majority haven't given the matter a thought—it is that class which you ought to remind. Whether things are a little slow, or whether every hand is busy, while we are in business it requires a continuous "hammering" to keep in front. Let people know what you have got. A neat circular or folder, showing a list of the varieties you can supply, with a short typewritten letter, will surely bring business, whether your town has a population of 300 or 30,000. There is hardly a man in business today who can stay long without advertising, no matter how well established or known. You can't do without it; and outside of having the goods to show the small florist can't do anything which will be of more benefit than to advertise, not only to let people know what he has to offer but to stir them up. Don't wait for competition to oblige you to get busy in that line, nor work under the impression that it is time and money wasted—that is wrong. There never has been such a demand for plants and bulbs! You haven't got to create it, it's there, and the man who can best reach people ready to invest is the one who will do the largest business; that is, of course, if he can deliver the goods. To have a customer complain that the price you charged was too high shouldn't make you worry; but when the work done or the stock furnished is not satisfactory it is time for you to take notice.

Chrysanthemums

Feeding the Plants from Now On

We pretty well all agree that no matter how good the soil used for filling the 'Mum benches might have been last Spring, or how well the plants might have done up to this time, feeding from the time the buds are set is of benefit. Experiments have taught many of us that there is a decided difference between the size and color of flowers from plants fed and plants receiving no other nourishment than that contained in the soil the stock grew in. But when it comes to furnishing a set rule as to how much nitrate of soda or sulphate of ammonia is required per square foot of bench in order to get certain results, we have no answer. At the present we know but very little about just how much good we are really doing with such fertilizers, and there are, no doubt, many of us inclined to believe that because we do not notice any bad effects on the plants after giving a dose, it must undoubtedly have done a lot of good. Let the beginner be very careful in using chemicals; the smaller the doses the better; and let me say that some mighty fine 'Mums are grown which never get anything outside of liquid cow or sheep manure. Whether you use a fine black soil or a stiff, heavy, yellow loam, or any other soil, fresh cow manure diluted will give results. There isn't any other fertilizer more suitable for greenhouse use than cow manure, and there are but very few plants we grow, in or outdoors, which are not benefited by light doses. If your stock is in a good condition, a solution of, say, one half bushel of manure to a flour barrel of water, applied once a week, will give you that black green foliage, the heavy stem and large flower you are looking for. But if the stock is poor, don't expect cow manure or anything else given now to make up for poor culture during Summer.

Callas

Plants Intended for Blooming Require a Good Place

You can't grow Callas below benches. It is all right to have them there to get the growth started, but to let them remain there any length of time is wrong. Where the small grower only too often makes a serious mistake is in trying to grow a crop below the benches as well as on top. You can't do it! One can get a bed of Mushrooms below some bench, but of the plants usually stored underneath for the want of room on top not too much should be expected. A Calla, when once started into growth, needs all the light and sun you can give it. If there is no room for the plants on a good sunny bench, don't try to keep them just for a few days longer below. A frame is a far better place. While to have them outdoors now will retard them to some extent, no harm is done as long as frost does not touch them; they will soon make up for lost time when brought to a temperature of about 55° to 55°. If you have the plants now in the proper house, and they have several leaves, it won't be long before they will get busy, and if proper drainage is provided a lot of water is required to keep them at their best. Pot culture is not only a more convenient method of handling the plants, but is by many preferred, as the plants will bloom more freely than when planted out on a bench. But in either case they require heat; and, quite frequently, Callas in pots at the end of some Rose house form a paying proposition for the small grower—the one who can use most of the flowers he cuts himself; and even now it isn't by any means too late to start the dormant stock.

The Carnations

Supports for the Newly Housed Stock

The neighbors as well as ourselves are all pleased with the looks of the newly planted stock. I have made a round and find, almost without exception, a splendid lot of stock everywhere. To me it seems that quite a change has taken place among the establishments of the smaller growers around Chicago—it looks like a thorough house cleaning; there is a neatness about the places, better stock, and everything seems to indicate that the examples set by the big fellows have brought results; and there is every reason to believe that a higher percentage of good flowers will reach the market this coming season, and earlier than ever before. Some of the early planted stock is beginning to give fair flowers already, perhaps a little short in stem, and disbudding is in order; and such stock, as well as that of later planting, should not be allowed to suffer for the want of supports. No matter what you might use for supports it should be in place by this time. Because the plants are rather small and hardly yet in need of support hasn't anything to do with it. As soon after planting as the benches have been cultivated several times, which usually kills the first crop of weeds, the supports should be put up. About the weeds: I am always glad to see a good crop of them appear after the Carnations are housed. I don't want to say that the soil which doesn't produce weeds is no good, but one thing is certain, and that is that soil which, when in the greenhouse one week, becomes covered with weeds, is top soil, and that means sweet soil. Nothing is more important to begin with than sweet soil. If poor you can feed it. On the other hand, soil, usually, which doesn't show a sign of vegetation when in the benches awhile isn't what it ought to be—something is wrong, and I doubt if you will ever have the results with such for Carnations as with the weedy soil.

Bouvardias

Time to Lift the Field Plants

If you have field plants of Bouvardias, no time should be lost in getting them under glass. They can be potted up or planted out on a bench. If only a few are used, I should prefer the pots. Use a good loam, and don't forget the drainage. A few days in a shaded cold frame outdoors will get the plants established quicker than the best greenhouse, and after that a temperature of about 50° will suit the plants nicely. Bouvardias do not require a great heat, in fact, they will not stand it for any length of time. If good, bushy plants are on hand now, carefully lifted and given a Carnation house temperature, they will produce quantities of the most useful flowers for the next four to five months. There was a time when they were considered one of the flowers the florist had to have, and now we are beginning, after having dropped them, to have call for them again; and for the last three seasons, with us, there was more demand than supply, and that certainly is encouraging. It seems that there are people who desire a change from Roses and Carnations, and as Bouvardias can be made use of for many occasions where flowers are wanted, they find many admirers, and for corsage bouquets, dinner decorations, as well as design works, varieties such as Alfred Neuner, President Garfield or Humboldtii are excellent. I look forward to the time when more than ever will be grown, and new sorts will be added to the few we have now suitable for cut flowers.

Washington, D. C.

Schools opened on Monday. The week preceding had a rather depressing effect on business. Typical September weather prevails with warm days and cool nights; this condition is improving the quality of cut stock, especially of Roses and Carnations. Some medium grade Asters are still coming in, but the number grows less each day. There is a very marked increase in the supply of Dahlias received and they are constituting the principal store decorations.

A number of the retailers have removed their aquatic displays and replaced with Dahlias and new stocks of Kentias and Ferns, just in; the Kentia is the most popular Palm here.

Mr. and Mrs. J. Louis Loosé, who recently returned from an extended trip abroad, on Sept. 16 celebrated their silver wedding auniversary. A number of local and out-of-town friends were present and participated in the enjoyable occasion.

Z. D. Blackistone is holding his annual Palm sale.

Leapley & Myer are doing a big business in 3-in. and 5-in. Ferns.

Interest is daily increasing in the forthcoming annual Fall flower exhibition of the Florists' Club, to be given in connection with the Householders' exhibit in Convention Hall, Oct. 31 to Nov. 6. The plans have finally been decided upon and will be much more elaborate than anything ever attempted before. The chief features will be the reproduction of a Japanese mountain, an old Dutch windmill with cascades and bridges, and a Chiuese pagoda placed among Corinthian columns to produce a Greek temple effect. The floor space will be free to exhibitors, and already a number of local and out of town growers and retailers are booked for entries. There is no doubt but that this occasion will afford the craft in general their best opportunity to exhibit under unusually good conditions the flowers, plants and decorative work in which they take pride. It is desired that many out-of-town exhibitors will be represented, and their consignments for this purpose will be properly staged and cared for by the committee.

JAS. L. CARBERY.



Cars Decorated by Geo. E. Tromey of Cincinnati for the Automobile Parade Held in That City Sept. 14, 1910

ONE-HALF MILLION
CALIFORNIA PRIVET

1, 2 and 3 Year Stock as follows:

	Per 1000	Per 10,000	Per 20,000
1 to 1½ ft., 2 branches up .	$8.00	$70.00	$135.00
1½ to 2 ft., 4 branches up .	10.00	85.00	165.00
2 to 3 ft., 6 branches up .	20.00	175.00	325.00
3 to 4 ft., 10 to 15 branches up	30.00	250.00	450.00
4 to 5½ ft., 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is A1 in every respect.

Order early *Don't delay*

CARLMAN RIBSAM, **31 WALL STREET TRENTON, N. J.**

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CARNATIONS

Fine, Healthy, Field-Grown

600 **PRESIDENT SEELYE** 300 **HARLOWARDEN**
300 **RED LAWSON** 200 **VARIEGATED LAWSON**
$6.00 per 100.
300 **RED MACEO** 300 **MARCHIONESS**
$4.00 per 100.

CHRYSANTHEMUMS

An assortment of good commercial varieties.

Fine Stock from 2¼-inch pots; $3.00 per 100, $25.00 per 1000.

ROSES

Own Root, Fine Stock

PERLE and **SUNSET**, $8.00 per 100.
BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE and **KAISERIN**, $6.00 per 100.

Grafted, Fine Stock

3½-inch pots, $20.00 per 100. 3-inch pots, $18.00 per 100.
BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN**, from 3½-inch pots, $17.00 per 100.
ENCHANTER, MRS. JARDINE, RHEA REID, WOOTTON, from 3-inch pots, $15.00 per 100.

ASPARAGUS Per 100
Plumosus Nanus, from 3-in. pots $5.00
Plumosus Nanus, from 2¼-in. pots 4.00

SMILAX
Nice stock, from 2¼-in. pots, $2.50 per 100, $20.00 per 1000.

STEVIA COMPACTA
Fine, field-grown plants, $8.00 per 100.

Send for Catalog

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

2000 Enchantress Carnation Plants

From field, medium sized, healthy stock, at $30.00 per 1000. Cash.

H. D. ROHRER, Lancaster, Pa.

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Catalogs Received

F. & F. NURSERIES, Springfield, N. J. —Fall, 1910, Trade List.

BLOODGOOD NURSERIES, Flushing, N. Y.—Autumn, 1910, Price List for Nurserymen and Dealers only.

VINCENT LEBRETON, Angers, France.—Wholesale Trade List for Autumn, 1910—Spring, 1911, of Nursery Stock. McHutchison & Co., 17 Murray st., New York, are sole agents for the United States and Canada.

T. R. WATSON, Plymouth, Mass.—Trade List Old Colony Nursery, Fall, 1910. Well printed and very complete list of Deciduous Trees and Shrubs, Wild Roses, Climbing Roses, Vines and Climbers, Herbaceous Perennials, Fruit Trees, Grapes, Small Fruits, Asparagus and Rhubarb.

PETER HENDERSON & CO., New York.—Catalog of Wheats, Grasses, etc., for Fall Sowing, 1910. The front cover of this useful list bears an illustration of Jones' St. Louis Grand Prize Wheat (beardless), characterized as a standard "rough and ready" variety.

K. WEZELENBURG & SON, Hazerswonde, near Leiden, Holland.—American Edition of their Wholesale Catalog of Azaleas, Rhododendrons, Magnolias, Forcing Plants, Conifers, Trees, Herbaceous Plants, Novelties, etc. The nurseries are situated 25 minutes walk from Boskoop, and one hour's drive from Leiden.

PETER HENDERSON & CO., New York.—Henderson's Autumn Catalog, comprising a selected list of Hyacinth, Tulip, Narcissus and other Bulbs and Bulbous Roots for Fall Planting. In this catalog is included a Plant Department covering Seasonable Stocks, Palms and Decorative Plants, Shrubs, Grape Vines and Small Fruits. Vegetable and Grass Seeds, Tools, Fertilizers and Implements are also listed. Both covers are lithographed in colors.

FOTTLER, FISKE, RAWSON CO., Boston, Mass.—Autumn, 1910, Catalog of Bulbs and Plants. An inclusive and well illustrated descriptive list of Bulbs and Bulbous Roots for Fall planting, in which is incorporated a well selected list of Hardy Perennials, Hardy Ornamental Shrubs, Fruit Trees, Small Fruits and Miscellaneous Florists' Bulbs. We note this firm is listing two of the new races of Iris; namely, the Dutch and the Regelio-Cyclus. The catalog covers bear bulb illustrations in black and white effect.

HENRY F. MICHELL CO., Philadelphia, Pa.—Michell's 1910 Bulb Catalog. Catalog of Bulbs and Bulbous Roots for Fall Planting, the pages carrying large illustrations of the various types offered, which considerably assist the text description. Additionally is listed: House Plants and Ferns, Pot Grown Strawberries, Flower Seeds, Grass Seeds, Seasonable Vegetable Seeds, Utensils and Supplies, Fertilizers, Insect Destroyers, etc. The covers are in heavy robin-egg blue; the illustration on the front cover being that of a single Lily flower embossed in gold.

HENRY A. DREER, Philadelphia, Pa. —Dreer's 1910 Autumn Catalog of Bulbs and Bulbous Roots for Fall Planting, comprising the listing of a well selected and complete assortment in all the different varieties used for the purpose. Additionally, this catalog contains a select listing of seasonable Decorative and Flowering Plants, Palms, Ferns, Geraniums, with a very complete presentation of Hardy Perennial Plants, Roses for Fall Planting, Choice Hardy Shrubs and Evergreens, Climbing Plants, Flower and Vegetable Seeds (the latter for forcing), Lawn Grass Seed, Tools and Requisites, Fertilizers, Insecticides and Fungicides. The covers are in blue showing on the front a collection of Dreer's Superb Spanish Iris and on the back a collection of Dreer's Superb English Iris.

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The Mergenthaler Greenhouses

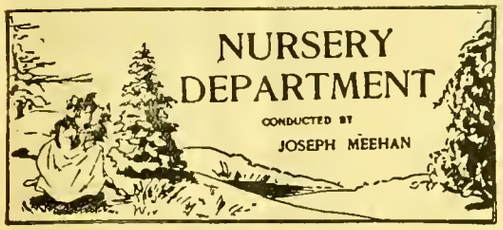
East Washington Lane, Germantown, PHILADELPHIA, PA.

About 300 yards from Washington Lane Station, Phila. & Reading Railway.

Nearly three acres of ground. 17 Greenhouses, 2 Boilers.
Large well built modern residence.
Stable and Carriage House, Sheds, etc.
Terms will be made to suit purchaser.

HOWARD B. WILSON & CO., Attorneys
2122 GERMANTOWN AVE., PHILADELPHIA, PA.

Please mention the Exchange when writing.



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

The tenth annual meeting of the Texas Nurserymen's Association, held at Waco, adjourned on Sept. 14, the next place of meeting to be selected by the executive committee. All the old officers of the Association were re-elected, as follows: President, J. R. Hayhew, Waxahachie; vice-president, J. L. Downing, Wichita Falls; secretary-treasurer, J. S. Kerr, Sherman.

Symplocos cratægoides

It is a pleasure to be able to give an illustration of a tree rare in collections, the Symplocos cratægoides. The specimen is growing on the grounds of John T. Morris, near Chestnut Hill, Philadelphia, and, so far as the writer knows, is the only one on private grounds around Philadelphia. The tree is a Japanese one, and it is quite hardy here; but, whether from lack of trial or because that the climate does not permit of the thorough ripening of its growth, as ours does here, it is classed as a greenhouse plant in England. The flowers come in early Spring, and are much like those of a Hawthorn, hence its name, cratægoides; but there is little resemblance to a Hawthorn in its foliage.

Propagators say of it that it is a hard one to increase, but, possibly, it could be worked on the Styrax or some allied stock, as it belongs to the natural order Styracaceæ; then there is layering and cuttings to help along.

Symplocos tinctoria is a small tree, native of our southern States. The leaves, after drying, yield a useful yellow dye. As it grows from Virginia southward it may be that it would survive our Pennsylvania climate, if not farther North.

Mahonias for Underbrush

The bronze color of the Mahonia Aquifolium is so pretty in late Autumn and Winter that many persons set it out for the purpose of enjoying its appearance at those times, and florists now find a sale for its foliage for festival occasions. Coming from Oregon, as it does, it is not quite hardy enough for our hardest Winters. Its wood is not hurt, or but little, in such Winters, but its leaves are rendering void the chief object of many in planting it. There is one way in which it may be enjoyed, which is to plant it in a situation where the sun cannot reach it in Winter, for it is the sun at that season that causes most of the harm. This is what is meant by planting it for underbrush. Set it under large trees, or anything that will break the sun's rays, and there will be little trouble in preserving the foliage in a passably good condition. When the foliage is preserved in this way its clusters of yellow flowers in early Spring are set off to good advantage, the foliage holding the clusters, as it were; and they are prettily shaped, as well as of a bronze red color.

Mahonia Japonica is of a hardier nature than the one from Oregon, and has large, handsome green leaves. Its flowers, and clusters of black berries which follow, make an admired display.

Tecoma grandiflora

In one of Prof. Massey's interesting contributions he mentioned that his vine of Tecoma grandiflora has not made the length of growth usual with others of this genus, but that instead it remains comparatively dwarf, flowering in this stage of growth. This habit seems characteristic of this species, but that it does attain the habit of a vine in time is sure, as I have seen it, years ago, covering the sides of houses in Germantown. And this proves, too, how long it has been in cultivation; it must be 40 years ago that these houses were so covered.

It is probable that at no time is this Trumpet Vine as much of a vine as the T. radicans. The latter one, radicans, is very pretty grown as a bush, and flowers earlier in this form than when set to something it can cling to and grow in height at will, and one often sees bushes of great beauty. From the slowness of the T. grandiflora to advance in length, it suggests its better use as a shrub, or bush than as a vine. It is very likely it would grow to a bush form without being first tied to a stake, a method usually applied with the radicans to give it a start in that direction.

The new, yellow-flowered variety of radicans is distinct and of value. Whether accidental or not, it appears to flower later in the season than others.

F. E.—Best advertising medium for nurserymen

Sowing Seeds of Deciduous Trees

This is the time to be thinking of sowing seeds of deciduous trees and shrubs. All kinds are ripening now and, with few exceptions, they are better sown in Autumn than in Spring. The nursery business has heretofore been concerned chiefly with the producing of stock for ornamental plantings; but this has changed wonderfully of late, so great is the interest displayed in forestry projects everywhere. The National Government, State governments and private firms and individuals have all taken to the setting out of trees; and for the calls made on nurserymen and seedsmen for supplies, calls which are increasing every day, there must be seeds sown to keep up a supply of seedlings. Birches, Hickories, Chestnuts, wild Black Cherries, Ash, Walnuts, Tulip Trees, Oaks and Black Locusts are all popular for forest tree planting, and all these can be sown in Autumn. After the seeds are gathered it is best to spread them out for a week or so to dry and ripen further, then to sow them; but experience shows that if kept a few weeks longer before sowing they are not hurt. All, however, should be sown before the ground freezes up, even if only for convenience sake. When Fall sowing cannot be done, the seeds require to be kept moist all Winter—mixed with slightly damp or nearly dry soil is sufficient—and then to be sown early in Spring. Catalpa speciosa, for which there is an ever increasing demand, should be kept dry over Winter and sown early in Spring, but there are only few, if any, of the other kinds named of which the same can be said. The Black Locust is an exception.

Many seeds, such as Ash and Maple, if kept dry over Winter will not grow in Spring, if sown then, but will remain in the ground a whole year, the seedling appearing the Spring following. This has been proved often. Possibly, if kept dry for a whole year and sown in Autumn they would grow in Spring, but this the writer has never tested.

It is given out that so great has the demand for seedlings become that there are firms specializing in this line alone, confining their work wholly to the raising of seedlings.

Grafting the Shagbark Hickory

The National Nurseryman says: "Dr. Robert T. Morris, the eminent surgeon of New York City and nut specialist of Connecticut, reports a heavy loss of Shagbark Hickories on his grounds, which were stock grafted on Pecans. This injury took the form of bark-bursting, and occurred after the first accesaion of warm weather in March. Dr. Morris reasons that the injury was due to the early starting of the sap in the Pecan stocks, and the sudden drop of temperature, following that condition." The Pecan is not as hardy as any other Hickory and seedlings will sometimes be injured in Winter in Philadelphia; but the trees are hardy after a few years' growth has given them some hard wood. But why Pecan stocks for Shagbark Hickory at all? It is presumed Dr. Morris had some improved Shagbark he wished to increase, and, in this case, were a lot of common store Shagbark nuts sown they would give good stocks in a year or two. Those familiar with grafting Hickories aver that the Bitter Nut Hickory, Carya amara, makes an excellent stock for grafting on, other sorts uniting freely on it, Pecans of an improved type as well as others; and this, the Bitter Nut, is a native of the northern States, so its hardiness may be undoubted. It may be that the common Pecan had proved a good stock for the Shagbark to unite on was the reason for its use. In the South, those who make a business of raising the improved Pecans use common Pecan stocks for the purpose, grafting them just below ground, as is understood.

Mentioning again the Shagbark, Carya alba, there is always a good demand for these nuts from confectioners, who use them extensively in their business. These men are keen to get those with the thinnest shells, the thin ones they say belonging more to northern trees than to those of the South. This may be so, as the writer has found the difference in this respect much in favor of northern nuts.

The time is not far distant when it will pay to set out nut trees; wild ones are fast disappearing.

Shrubs for Forcing

This is a good time to pot shrubs intended for forcing towards Spring, or earlier, a better time than later will be. Potted now, while the weather and the soil are both warm, the shrubs are much better established than they would be if potted later, and this would be a gain that the shrubs would manifest when it came to forcing them.

Shrubs should be dug now, getting all the roots that will come with careful digging, stripping off all leaves before potting them, and then seeing that they have abundant water while still outdoors and good attention when taken under cover later.



Symplocos cratægoides

Here is a list of about 18 good shrubs for forcing; some of them well known in this connection, others not, but all possessed of flowers of merit: Flowering Almond, in pink and white sorts; Azaleas, wild and imported; Judas Bush, the Japanese; Hawthorns, pink, white and scarlet; Pyrus Japouica, scarlet and pink; Deutzias, in several varieties; Weigelas, rosea and others; Exochorda, the Pearl Bush; Forsythia, the Golden Bells; Hydrangeas, the new Snowball types; Kerria, the old Corchorus; Loniceras, Bush Honeysuckles, pink; Philadelphus, Mock Oranges, in variety; Prunus triloba, Flowering Plum; Pyrus arbutifolia, clusters of white flowers; Ribes aureum, yellow, Flowering Currant; Spiræas, any of the Spring bloomers; Staphylea colchica, white clusters; Syringa, many varieties of the Lilac; Viburnum, Snowballs, Japanese and others.

As will be seen, these are all of a deciduous character, and all are of a hardy nature. When selecting these shrubs, keep in mind that all flower well from the shoots made this Summer. The Hydrangeas named would flower fairly well even if cut back considerably, but they bloom well without it; and for the rest of the list the best way is to let the plants carry as much young wood as possible, pruning them only when the roots are so few that it would be doubtful if they could sustain all the tops.

F. E.—Best advertising medium for nurserymen

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

MOON'S HARDY PERENNIALS NOW READY

Strong field clumps and divisions of the following:

Shasta Daisy **German Iris** (all colors)
Coreopsis Lanceolata **Pentstemon** (3 varieties)
Dianthus Barbatus (in colors)

The above are but a few of the many kinds of

Old Fashioned Hardy Flowers

that we can supply in strong field-grown plants.

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

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Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

The Florists' Exchange
2-8 Duane Street, New York

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

500,000 ROSES and SHRUBS

Send for wholesale Price List

Seedlings and Nursery Cuttings

B. A. BOHNSLAV, NEWPORT, R. I.

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

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CALIFORNIA PRIVET IS MY SPECIALTY

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $36.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

I have a large number of trimmed specimens of California Privet on hand in all shapes and sizes. These are very handsome; some measure 4 feet in diameter and stand 3 to 4 feet in height, and are clipped monthly. These plants have been transplanted several times and have enormous bunches of fibrous roots. Prices sent on application.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man
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ATLANTIC HIGHLANDS, N. J.
Long Distance Telephone
60J, Atlantic Highlands, N. J.

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	Per 100
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7-9 ft.	12.00
8-10 ft.	20.00
Willow 10-12 ft.	25.00
Laurel Leaf 6-8 ft.	15.00
8-10 ft.	25.00
Catalpa Speciosa, 8-10 ft. 10-12 ft.	
Pin Oaks. 8-10 ft., 1¼-1½ ft., 1½-2 ft., 2-2½ ft.	

SMALL LOTS OF TREES

Ginko. Maiden Hair Trees, 6-8 and 8-10 ft.
European Linden. 8 and 10 ft., 1 and ½ in. caliper.
White Dog Wood. 6-8 ft., 8-10 ft.
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Silver Maple. 8-10 ft.
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Amer. Arbor Vitae. 2-3 ft.
Norway Spruce. 2-3 ft.

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X size, 2 yr.	8.00	70.00
XX size, 3 yr.	10.00	

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Good roots, well branched, 2 yrs. old

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12-18 in.	$10.00
18-24 in.	14.00
2-2½ ft.	17.00
2-3 ft.	19.00
2½-3 ft., heavies	
3-4 ft.	
Ball Privet. Perfect ball. All trimmed in shape, 2 and 2½ ft.	

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4-6 ft.	10.00
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3-4 ft.	8.00
4-6 ft.	10.00
Clethra Alni. 2-2½ ft.	6.00
2½-3 ft.	7.00
3-4 ft.	8.00
4-6 ft.	10.00
Weigelia Rosea. 2-3 ft.	8.00
3-4 ft.	10.00
Variegated. 2-3 ft.	8.00
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1000 Elegans. Clear rose, fine.
350 Festiva Alba. White.
400 Frangrantissima. Clear rose.
200 Francis Ortegal. Deep Maroon red.
100 Gladstone. Satiny pink.
650 Grandiflora Superba. Free bloomer, pink.
250 Humei Rosea. Clear rose, very late.
50 Marie. White, very late.
500 Officinalis fl. pl. Double crimson.
500 Pauline. Clear pink.
200 Reine Hortense. Light rose, late.
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18-24 in.	.60	6.00
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	Doz.	100
3-4 ft.	$6.00	$40.00
2-3 ft.	4.00	26.00
18-24 in.	2.60	16.00
	Each	Doz.
Pungens Glauca, Koster True Blue, 2-2½ ft.	$2.50	$24.00
18-24 in.	1.50	15.00
12-18 in.	1.00	10.00

Roots dug with ball and burlapped, 10c. extra.

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Comforting for the S. A. F. "Ballast"

The gentlemen who, at the closing session of the S. A. F., were facetiously referred to by Gurney Hill as "ballast" may derive some comfort from the following, taken from a magazine:

It is the fat men that get all the good things in life. They are conducted to the best tables at restaurants, they get the corner seats in theatres, and always seem to have enough money to get along without worrying. When a fat man enters a drawing room doesn't he always get the most comfortable chair? When his hat blows off on a windy day doesn't some one always run after it for him? No one expects him to get up in a 'bus or a train to give his seat to a lady—he would block the gangway if he did. Even his wife doesn't expect him to stoop to pick up things when she drops them. Everybody tells him the best stories because they like to hear him laugh.

CHICAGO, ILL.—Chas. Nelson, a florist at 1605 North Leavitt st., became insane, it is said, while making a trip in the West and jumped from a moving railroad train.

Indianapolis

All records were broken in attendance at the State Fair this year. The flower exhibits were of a superior character and were staged better owing to the efforts of Herman Junge in that direction.

Fred. Dorner gave general satisfaction as judge and it was his presence that added greatly to the number of exhibits. The Roepke-Rieman Co., Alfred Pahud Co., E. A. Nelson and John Rieman were among the principal exhibitors.

W. W. Coles of Kokomo was inquired for on all sides and was conspicuous by his absence. It has been many years since he began as one of the large exhibitors at the fair. Special flower windows were in order with the downtown shops and some pretty displays were noticeable. The following were among the ribbon winners at the Fair: Roepke-Rieman Co., Alfred Pahud Co., John Rieman, Baur & Smith and Chas. Knopf.

John Rieman received a special prize of $20 for keeping his displays in best condition throughout the Fair.

Visitors last week were Herman Dorner, Urbana, Ill.; E. G. Hill, Richmond, Ind.; Mr. Lyons, New York; Chas. Knopf, Fred Lemon, E. R. Gause and Frank Waidele, all of Richmond, Ind.; Mr. and Mrs. Frank Heinl and Lawrence Heinl, Terre Haute, Ind.

Fair week never is conducive to the acceleration of the flower business and that which took place last week was no exception. Counter trade dropped to a minimum and funeral work had to be relied on entirely to keep the market alive.

A decided improvement is noticed in the quality of indoor flowers and it will be but a short period until they reach a satisfactory standard.

The best Carnations are now selling for $2 per 100; short and medium grades bring $1 to $1.50 per 100; 50c. to 60c. per doz. is the current retail figure.

Fancy Roses such as Killarney, Maryland, Richmond and Kaiserin are being shipped in at $5 to $7 per 100. Am. Beauty are in fine condition at $4 to $20 per 100; the retail price is $1 to $5 a doz.

There are numerous calls for Violets. Cattleyas and other stock not at hand right now. Lily of the Valley at $3 to $4 per 100 is wholesaling well. Harrisiis find a ready outlet at $10 to $12.50 per 100.

Field-grown flowers are growing scarce and the quality is generally poor. Tomlinson Hall Market reports an improved business. Nearly all the good flowers are bought by the storemen and the retail trade accepts the rest. I. B.

JACKSON, MICH.—Furnival & Son have erected an additional greenhouse.

TROY, ILL.—J. R. Ward has started in the florist business in the East End.

STEWARD, ILL.—J. L. Lutz, Sr., formerly doing business in Lee, Ill., as the Twin Grove Nurseries, advises us that on account of old age he is reluctantly compelled to go out of business.

New England Dahlia Society's Exhibition

The third annual exhibition of the New England Dahlia Society was held at Horticultural Hall, Boston, Mass., Sept. 16-18. It was the largest and most successful of the exhibitions held by the Society. The commodious exhibition room was completely filled, and there was one large exhibit in the loggia. The exhibition was unique in several ways; for instance, there wasn't a cent of money offered for prizes, and it proved beyond a doubt that people will exhibit flowers and in large quantities if they are thoroughly interested in them.

The Dahlia is a flower for the masses, and for three days the hall was crowded the greater part of each day. It is true it was a free exhibition, but we have many free exhibitions of flowers in this city, and frequently they are not attended.

It is too bad that there are not more Dahlia flowers sold to retail stores. Only one exhibit of Dahlias has been seen among the Boston retail stores, and that was in Wax Brothers' windows on Tremont st. The seedsmen have some each week in their windows. We have no flower that has been improved so much in the last decade as the Dahlia, but we don't know how to use Dahlias for decorative work yet. Why don't some of our retail florists exhibit them artistically and show the people what can be done with such beautiful flowers? The retail men exhibit, perhaps, one flower in a small vase; surely there is a better way than this of using the Dahlia as a cut flower.

I was very much disappointed, indeed, at the Dahlia exhibition to find that there was no originality about it. The same old way of arranging flowers that a person sees everywhere, one flower in a bottle, or a cluster of flowers pushed into a vase—any old way as long as they could be made to stand up. There was one exhibitor, in the loggia, who tried a different arrangement to the others, but it was a sad failure, in fact the exhibit was very badly made.

It is quite true that the growers of Dahlias reap a large harvest from their plants in the Spring. But why can't they create a demand for flowers, which are so plentiful in the latter part of Summer and in Fall? I can't see where an exhibition like this is very educational to the general public. If there was an artistic arrangement of vases, dinner table decorations with Dahlias, or baskets tastefully arranged, or, in fact, anything to break away from the stiff way of arranging the flowers that one sees everywhere.

Then there are too many varieties. Who can be bothered with hundreds of sorts which differ so very little one from another? The man who has the courage to cut down his catalog to 100 varieties is doing a good thing; very likely the following year he would cut down one-half again. How hard it is for the general public to pick out just what they want when they see such a bewildering array of names!

At this Boston exhibition the largest displays were not made for competition. E. W. Ela of Woburn had a large display in the loggia. The flowers were good but the arrangement was not pleasing, although an attempt was made to make an artistic display. One of the finest flowers in this exhibit was Souv. de Gustave Donzon, a very fine fiery scarlet.

J. K. Alexander of Bridgewater had a very fine exhibit on the left of the hall. It contained about 4000 blooms and 400 varieties. Some of the newer kinds in this exhibit were Lady Fair, C. E. Williams, Crepescula, Rev. Arthur Bridge, Killarney, Whirlwind, Ethel, Ivernia, Thomas Wilson, Golden Gem and Eureka. Mrs. L. A. Towle of Everett, Mass., had a very pleasing display of over 100 varieties, and she also exhibited some very promising seedlings. George H. Walker of North Dighton, Mass., had a very meritorious display and competed in many of the classes. The Fottler, Fiske & Rawson Co. of Boston and Marblehead had over 5000 blooms on exhibition, embracing 300 varieties; all were very neatly labeled. W. D. Moon of Lynn, Mass., also had a large exhibit of well grown flowers.

The principal awards were as follows:

Cactus Dahlias, 12 named varieties—1, W. D. Hathaway; 2, E. W. Ela; 3, N. Allen Lindsay.

Cactus Dahlias, 48 named varieties—1, J. P. Bodge; 2, W. D. Hathaway; 3, Lindsay & Delury.

Decorative Dahlias, 24 named varieties—1, A. E. Johnson; 2, W. D. Hathaway; 3, Lindsay & Delury.

Decorative Dahlias, 12 named varieties—1, J. P. Bodge; 2, W. F. Hall; 3, E. W. Ela.

Show Dahlias, 12 named varieties—1, E. W. Ela; 2, J. P. Bodge; 3, Mrs. M. L. Towle.

Show Dahlias, 24 named varieties—1, E. W. Ela.

Show Dahlias, 48 named varieties—1, W. D. Hathaway.

Pompon Dahlias, 12 named varieties—1, E. W. Ela; 2, N. Allan Lindsay; 3, Mrs. M. L. Towle.

12 Cactus Dahlias in vases—1, George B. Gill; 2, J. K. Alexander.

24 Cactus Dahlias in vases—1, W. D. Hathaway; 2, J. P. Bodge; 3, N. Allen Lindsay.

ROBERT CAMERON.

A California Fruit Growers' Convention

The 37th State Citrus Fruit Growers' Convention was held in Pomona, Cal., Sept. 13 and 14. It was attended by 500 delegates from all parts of Southern California. The discussions on the various phases of the question, "Are our Citrus Fruit Groves to be long lived, healthy and productive, or are they to become decrepit, of short duration, and fruitless?" waxed warm and very spirited at times, but beneath it all was a spirit of sincerity and frankness, as well as of brotherly love, which does not always characterize such assemblages.

Mr. J. W. Jeffrey, our State Horticultural Commissioner, in his opening address made the significant statement. "If the production of Citrus fruits was in proportion to the vast capital it involves, and the tonnage of crops was commensurate with the risk and labor necessary to maintain the orchards, there would be no question before us." The inference, therefore, is that there are some groves, at least, which do not pay expenses. It developed in the course of the debate that the Citrus fruit trees of this State of bearing age did not average over one box of marketable fruit annually and that the actual cost of caring for this class of trees is two dollars per tree. The fabulous net profits, for several years of many groves have stimulated men to large investments in land and equipments who have no knowledge of Citrus fruit requirement, either as to soil or climate. Land, utterly unfit for the purpose, has been cleared and planted with trees which cost $1 to $1.50 per tree, located in sections of the State with climatic conditions wholly unsuited to Citrus fruit tree development, and the result is the low average yield per tree the State over.

The industry is given a roseate hue by real estate dealers, by newspaper and magazine writers, honest no doubt in purpose, intelligent and well informed on most subjects, yet densely ignorant on that of Citrus fruit culture. At this time the atmosphere of this State is surcharged with the impression that we are to have a tremendous crop this year, 50,000 carloads. I quote again from the address. "The average truth has never been told of the Citrus fruit business at least it has not been proclaimed from the housetops; the roseate end of it has been too much proclaimed. The time has come when the average truth must be told in emphatic language, for the country must be made to understand that all is not gold that hangs from the boughs of the Orange trees, that it is only gold when every function of the soil and tree is working, and that it is a man's job to keep them working." * * * * Your Citrus acreage will be assessed heavily enough and you will get a raise from the State Board of Equalization often enough without making the public believe that there is affluence in every acre of an Orange grove. Your unbounded energy and enterprise will maintain land values without the aid of the Ananias Club."

The fact is, there has been in the past too much misrepresentation by the press, and in the literature of the advertising bureaus of the different sections of the State, concerning the fabulous returns from its orchards, vineyards, Alfalfa fields, and Melon crops, based upon facts, but because all the facts have not been stated and the whole truth not told. Much disappointment has been the result and great discredit brought upon the State and its citizens by unwise and well-meaning residents. A better day is dawning, saner and safer methods are being used to promote the horticultural and agricultural interests of the State, and in the person of our thoroughly honest and able State Commissioner of Horticulture we may hope to see in the very immediate future reliable information concerning these industries as freely scattered over the world as has been the case with that which has been misleading and unreliable. The influence of this convention will be wholesome, if it accomplishes no other purpose than to clear the public mind of the erroneous idea that there are fabulous fortunes in Citrus fruit growing everywhere in California.

P. D. BARNHART.

Convention Notes

Ninety per cent. of the delegates were men and women who have passed the half century milepost in life.

A veteran Orange grower and newspaper man, past 72 years of age, of the class who never grow old, was there from Riverside. A pioneer, a resident of the now beautiful city when it was founded, and his name is James Boyd.

The day was warm and the convention hall warmer and, for the comfort of the audience, the presiding officer requested all men to remove their coats, which was done with alacrity.

The official stenographer of the commissioner's office was present, and in due time the proceedings of the meeting, with all papers read and speeches that were made, will appear in book form. The book containing the proceedings of the thirty-sixth convention is a valuable contribution to the horticultural literature of the State, and the one for this year will be quite as interesting and even more valuable to all Citrus fruit growers or those who intend to become such.

The citizens provided automobiles for every delegate who chose to see the country that way, and at 8 a.m. 150 were driven through square miles of Citrus groves, the majority of which showed the effects of care, with a good crop of fruit for the coming season. There were, however, many groves which showed decadence and, unless more thorough cultivation is resorted to immediately, the same old story will be told of non-productive orchards at the next convention.

A remarkable feature of the meeting was the exclusion from the hall of all forms of advertising literature of every name and nature. P. D. B.

Newport (R. I.) Hort. Soc.'s Fall Show

The annual Fall show of the Newport Horticultural Society, which opened to the public at 3 p.m. on Saturday, Sept. 17, and closed at 11 p.m. on Monday, Sept. 19, was one of the best yet given. The groups of stove and greenhouse plants were missing, but the space usually taken up by them was all needed for other exhibits. Cut flowers of Dahlias were shown in large numbers, and in greater variety than ever. The double flowered Cactus varieties are still in the lead, and the Peony flowered sorts are growing in favor; but it may be noted that for filling vases, where long stems have to be used, that the Decoratives and Singles have to be used. In fact for filling fancy baskets there has nothing yet been found to supplant the Catherine Duer, in red, both in the classes calling for best vase of red any type, and the fancy basket class; the first and second prize in each case was taken by that variety.

As usual, great interest was taken in the centerpieces and fancy baskets, which came in on the second day, and the table decorations which came in on the third. The silver cup offered by Rickards Bros. of New York for best table decoration of outdoor flowers or foliage was won by Andrew S. Meikle, the flowers used being Dahlia Mad. Henri Cayeux and Swainsona galegifolia albo, exquisitely arranged; and the fruit was of fine quality, the Grapes, both black and white, of the highest grade and finish. The second prize went to Pres. James Robertson, the decision a close one; he used his own Dahlia, Boston Yellow, with own foliage only.

The Berwind special for a table decoration showing originality of design, was won by C. Oscar Schultz, his exhibit being in the form of a sunshade, using pink Dahlia Pearl with Asparagus for green. The prize offered by R. L. Beeckman for a table decoration of any material such as plants, flowers or fruit, or along with articles such as glassware, floral decoration to count 50 per cent., and to be arranged by the exhibitor, table to seat not more than twelve, was awarded as follows: First, Mrs. Herbert Cole, with yellow Dahlia Mrs. Clay Frick and Adiantum cuneatum, the decoration especially well done; the second place was taken by Wm. Gray with a well arranged centerpiece of Sweet Peas, pink and white, and Asparagus for green; the third place was taken by Herbert Cole, the flowers used being Dahlia Borneman Liebling, with Adiantum cuneatum.

Other awards were:

For the best centerpiece of Dahlias—1, James Robertson, the variety used being Mme. Henri Ceyeux with sprays of Asparagus Sprengeri; 2, C. Oscar Schultz, with Dahlia Kriemhilde, and Adiantum cuneatum; 3, Hugh Melkle with Aurora and Adiantum cuneatum.

Fancy Basket Dahlias—1, Wm. Koehler, with C. Duer; 2, C. O. Schultz, with C. Duer; 3, Stewart Ritchie, with a mixture of pink shades of Cactus Dahlias.

Fancy Basket, flowers other than Dahlias—1, Hugh Melkle, with Allamanda Hendersoni; 2, John B. Urquhart, American Beauty Roses and Lily of the Valley; 3, Stewart Ritchie, Harpallum rigidum.

The fruit made a small exhibit, but was of excellent quality; and the display of vegetables was not as large as usual, but was also good. Everybody seems to grow Tomatoes; there were 10 dozen in competition for a $2 prize, with $1 as a second.

The display of Nymphæas and Lotus from H. A. Dreer, Inc., in charge of John Hay, was much admired.

The judges and out-of-town exhibitors and visitors were entertained at dinner at the Bellevue at noon on the opening day. Among the visitors to the show were: John K. M. L. Farquhar, Thos. Gray, William J. Stewart, Andrew Pow and Mr. Barney of Boston; J. Bodger, Fall River; Messrs. Keith, Hathaway and McCarthy of New Bedford; Treas. Bowen of the R. I. Society, Providence; H. F. Burt, Taunton; Mr. and Mrs. O. P. Chapman, Westerly; Alfred Rickards, New York, and others.

Buffalo

The Buffalo Florists' Club will hold its annual exhibition at Convention Hall, during the first week of November, opening on the second inst. and continuing for four days. It is planned to make this show the greatest exhibition of blooms ever made in these parts. Lovers of flowers are enthusiastic over the coming event and fanciers are looking forward to the opening with expectancy. A big prize list will be an inducement to the exhibitors.

Wm. F. Kasting is chairman of the committee; this, in itself, will guarantee the affair being run off in first-class shape and, with the hearty co-operation of every Club member should bring out the biggest and very best show Buffalo has ever had. W. H. G.

New Bedford, Mass.

Business has been fairly good the past week. Asters are still the thing to be depended on. A few Carnations are to be seen. Asters retail at 35c. and 50c. per doz.; Carnations at 50c. per doz.; good Roses at $1.50 per doz. retail. Some Gladioli are still to be seen, and retail at $1 per doz. Everything is in full bloom outdoors as yet; the Asters are getting to the end, and then we shall have to depend on Carnations. Funeral work has been good.

Some nice Ferns in pots are now to be seen.

The New Bedford Hort. Society held a very successful Dahlia show Sept. 15-17. All of the private gardeners had exhibits. Peter Murray of Fairhaven also had a nice showing. The awards in the school gardening contest were also made. Altogether it was one of the most successful and interesting shows this Society has given. Admission was 15c., children under 12 years free, if with an adult. Wm. F. Turner Co., W. L. Hathaway and others had fine exhibits. Mrs. H. A. Jahn had charge of the Sixth Ward school children's exhibit in the home garden contest.

E. Y. Peirce has installed a No. 6 Kroeschell hot water boiler, which will run his entire plant. He has taken out all his small boilers and will put them on sale to the trade. Joe Peirce, foreman, says the "big 6" works like a charm. Three of the florists in this section have now Kroeschells: Peter Murray of Fairhaven, Wm. Livesey, and E. Y. Peirce.

E. G. Davis on Shawmut ave. has some fine looking Whitmani Ferns; he makes a specialty of cut fronds, and ships lots to out-of-town customers.

Visitors the past week were Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, and W. D. Bryant, of A. H. Hews & Co., Cambridge, Mass. Mr. Bryant while here spoke very highly of a white Winsor Carnation. There is a shortage of young Carnation plants here. Cool weather prevails just now.

HORTICO.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Field-Grown Carnations

HEALTHY, THRIFTY STOCK

	Per 100	1000
White Enchantress	$7.00	
Rose P. Enchantress	6.50	
Light P. Enchantress	6.00	
Winona	6.50	60.00
White Perfection	6.50	60.00
Beacon	8.00	

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

5000 Fine Field Carnations

Afterglow, Enchantress, Winona and Queen Louise, $6.00 per 100. Elbon, fine red; Climax and Crocker, pink; also Pink Lawson, pot-grown, $5.00 per 100, or 500 for $20.00, to close.

Whitmani, Boston and Piersoni FERNS, 2½ inch, pot plants, $4.00 per 100; 4 inch, $25.00 per 100.

BENJ. CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

20,000 Carnation Plants

Big, Strong, Healthy. **Carnation Plants,** still on hand. For particulars, see my advertisement under "Stock For Sale," page 562.

M. J. SCHAAF, Dansville, N. Y.

Please mention the Exchange when writing.

Now is the Time to Pot Up

"CHRISTMAS CHEER"

The Scarlet Pot-Carnation

Put it into cold frames and let it establish itself.

Now is the time to place your order.

$15.00 per 100. $125 00 per 1000

February delivery, January all booked.

It's guaranteed to make good.

H. EICHHOLZ
FLORIST
WAYNESBORO, PA.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATION PLANTS Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; Pink Enchantress, White Perfection, Bountiful, Winsor $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

HOWARD P. KLEINHANS 66 CENTRE SQUARE **EASTON, PA.**

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. SCOLLAY.

The question in your valuable paper of Sept. 3, in reference to safty valve and heat generator is of interest to us. What you say you will do for R. E. S., N. Y., we would like to have you do for us. If our expansion tank were higher we should know what to do; hut as it cannot be higher without considerable expense we ask you this question. The highest point of our heating system—hot water—is at the end of the greenhouse farthest from this boiler, and the air valve is placed there. The bottom of the expansion tank is about on the level with the air valve. Now, will a mercury heat generator work with the top of the generator 18 inches below that expansion tank? The reason it cannot he placed higher is that there is a necessary bend in the pipe below the tank.—J. & A. E., Mass.

—I do not know whether your system is overhead main or not. If it is an overhead main the expansion tank can easily be connected to any return coil under the bench, and the heat generator placed on that pipe which connects between the expansion tank and the coil. If the system is not overhead main you can still have the highest point with the air vent where you are, and place the expansion tank over the boiler and run the connection from the tank to the return at the boiler, place the generator, of course, between the tank and the connection at the return. What I wish to make clear is that you can place the tank wherever you like, but the generator must be placed on the pipe leading from the system to the expansion tank. To make it plain, I mean that all mercury heat generators are placed between the expansion tank and the connection to the system. I would prefer in all cases, in using the mercury heat generator, that the tank be connected near the boiler, and then the heat generator can be connected on this pipe right close to the boiler. This answers your question fully, I think, but if you will send me a letter giving a rough sketch, I will send you the details in your case, by mail.

I have a Lord & Burnham steam boiler which I would like to use on a house 16x150 ft., sides of house 3½ ft. high, ridge 9 ft., north side boarded, south side 2½ ft. glass; solid beds, below grade, similar to old style Violet houses. What size main and how many runs 1¼ in. pipe will be required for a temperature of 55° at zero? Could same be arranged for use as a hot water system during mild weather of Fall and Spring, and changed to steam during severe weather. I do not wish to use any more piping than necessary for the steam arrangement. I must use overhead main on account of shallow boiler pit. I would like to know how many overhead mains and what size will be required for both steam and hot-water, also the number of returns. The boiler I have on hand is a L. & B. sectional, steam, 18 series, No. 610, rated at 750 sq. ft., direct radiation 1030 ft., 1¼" pipe. Two 3" outlets and one 3" return; temperature required 50° to 55° in zero. What size should the take off be from the main to supply the coils? —W. M., N. Y.

—For a low pressure steam heating apparatus feed the 1¼" coils with 3" overhead steam main. I would advise running this main the full length of the house, dropping all the way toward the far end at a grade at least 1" in every 10 ft. You will require 7 lines of 1¼" pipe, which you can make up in 2 coils, one of 4 pipe and one of 3. Return to boiler with 2" You speak of a shallow boiler pit, but the sketch submitted in your second letter, tells me it is 7 ft. deep, which is ample for the purpose. If you can arrange to get second-hand 1½" pipe as your letter states you can put 6 of this size instead of 7 1¼". I think, all your conditions considered, that you will do better on a proposition of one house, this size, by using hot water, and I so advise. You will require 4" overhead main for hot water and same size return at the boiler, using 10 lengths of 2" pipe as coils. If you decide to use 1½" pipe in addition to the above size overhead mains, put 14 1½" pipes in coils. On the latter size, I would advise making the 14 pipes in the 3 coils, 2 of 5 pipe and 1 of 4. This latter could easily be run on the side of the center bed by allowing 2 pipes to be on the wall on each side of the bed. In feeding the coils from the overhead main (in both cases at the far end of the house) you will use for steam job 2" connections from main to coils for each coil; and for hot water the same size will do. The return connections on each coil for steam should be not less than 1¼" and for hot water 2". I think your boiler is somewhat small for your proposition. In my practice, I would use for hot water a boiler rated at not less than 1400 feet of 4" pipe; for steam about 900 square feet of radiation. If you will enlarge this boiler two sections it will be a good investment for you both in saving coal and easy in firing. The manufacturers will, I am sure, gladly quote you prices on additional material. U. G. SCOLLAY.

AN EXTENDED NOTICE.—A laird in the north of Scotland, who was determined to prevent dogs trespassing within his plantations, ordered the following placard to be put up—"All dogs found within these plantations will be shot." The laird was well known to be a very poor shot, and for a joke some one wrote with blue pencil in capital letters "AT." Then it read—"All dogs found within these plantations will be shot at."

Field-Grown Carnations—Fall, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Winsor	$7.00	$60.00
May Day	7.00	60.00	Apple Blossom	6.00	60.00
Winona	7.00	60.00	Wanoka	6.00	60.00

"Strong healthy plants for immediate shipment."

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

Field-Grown Carnation Plants

TO CLOSE OUT

We offer { **500 M. A. Patten,** at ..... **$4.00** per 100
{ **1500 Harry Fenn,** at ..... **4.00** "

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery, $10.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill. A. T. PYFER Manager

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS
In Season

ALYSSUM, DOUBLE GIANT
Strong 3 inch, $3.00 per 100

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

Large Field-Grown Carnation Plants

Enchantress, Lord, The Queen, Mrs. Patten, Harlowarden.

$5.00 per 100, **$40.00** per 1000.

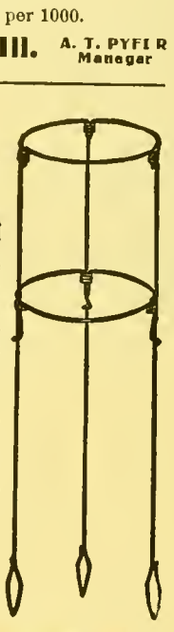
FRANK NIQUET, Patchogue, N. Y.

Please mention the Exchange when writing.

THE

MODEL

Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

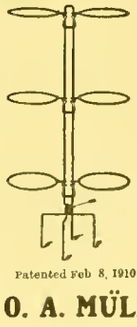
Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MULLER'S DOUBLE IMPROVED CARNATION SUPPORT



Patented Feb 8, 1910

Is the only Support on the market that does not have to be tight overhead. Lies flat when taken down. Can be raised and lowered to suit plant.

Muller's Support Talks For Itself.

O. A. MÜLLER, Ambler, Pa.

Please mention the Exchange when writing.

CARNATION PLANTS

Field-Grown, good stock, $5.00 per 100
10,000 Enchantress 5,000 Beacon

D. T. McCARTHY & SONS
NURSERYMEN and FLORISTS
LOCKPORT, N. Y.

Please mention the Exchange when writing.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

FOUNDED IN 1888

FLORISTS' EXCHANGE

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Boston Gardeners and Florists' Club

The regular monthly meeting of the Club was held at Hort. Hall, Tuesday, Sept. 20. There was quite a good attendance considering it was the first meeting of the season, there being 130 members present. There were a number of committee reports which took up quite a little time but proved very interesting to the majority of the members. Most of the reports covered the S. A. F. and O. H. show next Spring in this city.

As there was no regular lecture the rest of the evening was spent very interestingly by a number of the members giving their vacation experiences.

Vice-president Miller called on Peter Fisher for his impressions. Mr. Fisher said that the S. A. F. convention was, on the whole, as pleasant a convention as any that he had ever attended and that the hospitality and kindness of the Rochester people would linger long in his memory. He spoke interestingly of the good work the Ladies' Auxiliary of the S. A. F. was doing. The exhibition was very good and, in fact, much better than usual.

M. A. Patten was the next speaker; he could not, he said, add much to what Mr. Fisher had given, but he could assuredly tell the members that they were royally treated by the Rochester people.

Thomas Gray, in his usual lucid and interesting language, gave an excellent description of the city and its surroundings and spoke in high terms of the convention and the exhibits. He told about a trip he made to see the Bean growers while he was in Rochester. He was much interested in the mode of cultivation and was pleased to see how successfully they were grown there.

Wm. H. Elliott gave quite a long and interesting talk about the convention, concluding with a lucid description of the Rochester parks.

W. N. Craig gave a lengthy and interesting talk on his vacation at Bar Harbor, Me., and the exhibition held there. He told how well many of the perennials and annuals did there; the cool moist climate had much to do, he said, with the excellent growth and proliferousness of flowers. He further said that the flower garden which Mr. Shaw had made on the Guernsey Estate was the best, by a long way, that he had ever seen in this country.

The exhibits were not as numerous as usual. A vase of Buddleia variabilis, which was shown by L. G. Van Leeuwen of Mount Auburn Cemetery was very interesting. This is a capital Chinese shrub which flowers at this season and is exceedingly valuable on that account. It has erect terminal panicles of showy fragrant lilac flowers.

Tea Roses which were grown out of doors were exhibited by G. Blaicken of Framingham. Pentstemon hybridus and a plant of Dendrobium Dearei from Duncan Finlayson, the latter receiving honorable mention.

A vase of Oats from Eber Holmes of Montrose, which he brought from Nova Scotia, showing the remarkable fine growth of that cereal in the Provinces. R. C.

Seventy-Ninth Fair of the American Institute, New York

The seventy-ninth fair of the American Institute of the city of New York was held in the Berkeley Lyceum Building 19-21 West 44th st., Sept. 20-22. Dahlias were, as usual, the principal feature of the show. Little comment can be made on the arrangement of the exhibits, as practically it was identical with that of previous years, the sameness being painfully apparent. The exhibition hall was completely filled with exhibits, none of the exhibitors, with the exception of those staging plant groups, making any attempt at artistic effects.

In the Dahlia classes some excellent blooms were shown, but most of them with such short stems that florists could get no idea whatever as to the commercial value of any of the varieties. The varieties Countess of Lonsdale and Kriemhilde were prominent in several exhibits, and the commercial prestige of the two was beyond concealment. Among the Decoratives, such varieties as Mlle. Hélene Charvet, Papa Charmet, Souv. de Gustave Dauzon, Prof. Mansfield, Lucy Fevrier, Delice and Jeanne Charmet attracted considerable attention; while in the Show and Fancy types, perhaps Frank Smith, Dreer's white, Cuban Giant and Gold Medal were favorably noticed. In the Cactus classes prominent varieties were Ianthe, H. Shoesmith, Dreadnought, Advance and Wm. Marshall.

In the herbaceous classes the flowers shown were excellent in quality. Chas. H. Totty of Madison showed, under numbers, twenty seedlings of Wells' early flowering Chrysanthemum, semi-double and double.

G. H. Peterson of Fairlawn, N. J., showed two rather remarkable vases of the hardy Tea Rose, Wm. R. Smith. The flowers were borne on long, erect stems, with handsome dark bronzy green foliage, the new growth of garnet color. The flowers showed grand substance and it was hard to believe they were not grown under glass. The color of the flower is creamy blush rose, yellow at the base of petals. The buds were light and the developed flowers full and pleasing in form. Mr. Peterson said it was the best outdoor Rose in his collection, and his stock had gone through a long drought without watering, but was, nevertheless, in the finest condition, as his exhibit showed. This exhibit was awarded a diploma.

Harry Turner, for Howard Gould of Castle Gould, L. I., exhibited a well-arranged and novel group of flowering and foliage plants. His new Celosia, Castle Gould, in pink and yellow types, governed the color scheme, and the group also contained Crotons, Palms, Allamanda Hendersoni, and Orchids, the latter including Vanda cœrulea, Cattleya labiata, Oncidium varicosum Rogersii. A. J. Manda staged for Mrs. H. Irving Pratt of Brooklyn, not for competition, a magnificent group of decorative and foliage plants, for which he was awarded a special prize.

J. T. Lovett of Little Silver, N. J., showed his St. Regis Raspberry, an everbearing sort which furnishes fruit continually for four months.

The fruit and vegetable display was, as usual, of a fine order.

Awards to Professionals

Dahlias

Best collection of 50 varieties, one flower of each—1, W. P. Lothrop, East Bridgewater, Mass.; 2, W. D. Hathaway, New Bedford, Mass. Best collection of 25 varieties, one flower of each—1, H. F. Burt, Taunton, Mass.; 2, W. P. Lothrop. Best collection of 10 varieties—1, W. P. Lothrop; 2, W. D. Hathaway. Best display of single varieties—1, J. T. Lovett, Little Silver, N. J.; 2, H. F. Burt. Best display of Cactus varieties—1, John K. Alexander, East Bridgewater, Mass.; 2, Geo. L. Stillman, Westerly, R. I. Best display of Pompon varieties—1, W. P. Lothrop; 2, H. F. Burt.

General Class—Open

Best vase, 25 blooms, show varieties, yellow, one named variety—1, W. P. Lothrop; 2, J. T. Lovett. Best vase, 25 blooms, show varieties, white—1, Geo. L. Stillman; 2, W. P. Lothrop. Best vase, 25 blooms, show, pink—1, W. D. Hathaway; 2, ——— Kennedy, Deal, N. J. Best vase, 25 blooms, show, any other color—1, Geo. L. Stillman; 2, Anthony Baner, Deal Beach, N. J. Best vase, 25 blooms, Decorative, yellow—1, J. T. Lovett. Best vase, 25 blooms, Decorative, white—1, W. P. Lothrop. Best vase, 25 blooms, Decorative, pink—1, W. P. Lothrop; 2, Geo. L. Stillman. Best vase, 25 blooms, Decorative, any other color—1, J. T. Lovett; 2, Max Schneider, E. Orange, N. J. Best vase, 25 blooms, Cactus, yellow—1, J. T. Lovett; 2, Geo. L. Stillman. Best vase, 25 blooms, Cactus, white—1, Geo. L. Stillman. Best vase, 25 blooms, Cactus, pink—1, J. T. Lovett; 2, W. P. Lothrop. Best vase, 25 blooms, Cactus, any other color—1, J. T. Lovett; 2, Wm. Inglis, Garrison, N. Y. Best 6 varieties, Cactus—1, W. P. Lothrop; 2, J. T. Lovett. Best display single Cactus—1, Geo. L. Stillman; 2, H. F. Burt. Best display Pompons—1, H. F. Burt; 2, W. D. Hathaway. Best vase of 50 Singles —1, ——— Kennedy; 2, J. T. Lovett.

Gladioli

Best collection, 50 named varieties—1, J. Lewis Childs; 2, John K. Alexander. Best 25 named varieties—1, John K. Alexander; 2, J. Lewis Childs. Best 10 named varieties—1, J. Lewis Childs; 2, John K. Alexander.

Miscellaneous

Best 20 varieties of hardy herbaceous named flowers—1 Peter Murray, Elberon, N. J.; 2, J. T. Lovett. Best collection of annual flowers, not exceeding 12 vars.—1, Wm. Dowien, Seabright, N. J.; 2, Peter Murray. Best group of flowering and foliage plants—1, Harry Turner. Best specimen Palm—1, A. J. Manda, for Mrs. H. Irving Pratt, Brooklyn, N. Y.; 2, H. Turner, Castle Gould, Port Washington, L. I. Best specimen Fern—1, A. J. Manda. Best 12 blooms American Beauty Roses—1, Wm. Inglis, Garrison, N. Y.; 2, Francis Milne, Mamaroneck, N. Y. Best 25 pink Roses and best 25 red—Wm. Inglis. Best 25 blooms Roses, any other color—W. D. Robertson, Rhinecliff, N. Y. Carnations—Geo. H. Hale, Rumson, N. J. Violets—W. D. Robertson, Rhinecliff.

The judges were: John McNicholl, Wm. Turner, Edw. Reagan and Peter Duff.

A. A. C. S. Convention

The 24th annual meeting of the Association of American Cemetery Superintendents is to be held at Chattanooga, Tenn., Oct. 12 to 14, with the Hotel Patten as headquarters. An active program of papers has been prepared and a good social time is looked for. The secretary is Frank Eurich of Detroit.

John Connon, President of the C. H. A.

John Connon was born in Aberdeen, Scotland; he was engaged in the seed business there and came out to Hamilton (Ont.) about fifteen years ago to work for Robt. Evans & Co. This business was later taken over by the Steele Briggs Seed Co., of which Mr. Connon afterward became manager. Four years ago he organized the Connon Floral Co., to take over the business carried on by the Websters. Since that time the plant has been practically reconstructed and a new heating system has been installed. The business is in a flourishing condition which speaks well for the efforts put forth by Mr. Connon and his staff. He was elected a director of the Canadian Horticultural Association at London in 1907, second vice-president at Niagara Falls in 1908, first vice-president at Toronto in 1909 and at St. Catharines was elected president for 1911. Mr. Connon's hobby is soldiering, he being an officer in the 13th Royal regiment and wearing the long service medal.—*The Canadian Florist*, Sept. 9, 1910.

Horticultural Awards at the Minnesota State Fair

Last Winter the Minnesota State Florists' Association asked for better quarters at the State Fair, and increased premiums, and was successful in obtaining both. The exhibition was the best ever seen here. The following premiums were awarded:

Foliage and Decorative Plants

50 Decorative Plants—1, Holm & Olson; 2, Minneapolis Floral Co.; 3, A. S. Swanson; 4, John Vasatka. Specimen Kentia Palm—1, Holm & Olson; 2, A. S. Swanson; 3, John Vasatka; 4, Minneapolis Floral Co. Specimen Latania Palm—1, S. S. Swanson; 2, Holm & Olson. Specimen Phœnix Canariensis—1, Holm & Olson; 2, Minneapolis Floral Co. Specimen Phœnix, any other variety—1, Holm & Olson; 2, Minneapolis Floral Co. Specimen Pandanus Veitchii—1, Holm & Olson; 2, Minneapolis Floral Co. Any other decorative plant —1, Holm & Olson; 2, A. S. Swanson; 3, Minneapolis Floral Co.; 4, J. Vasatka. Pair Bay trees, standard —1, Minneapolis Floral Co.; 2, Holm & Olson; 3, A. S. Swanson. Pair Box trees, pyramid—1, Minneapolis Floral Co.; 2, Holm & Olson; 3, John Vasatka. Specimen Boston Fern—1, Minneapolis Floral Co.; 2, Holm & Olson; 3, Hiawatha Gardens; 4, A. S. Swanson. Specimen Fern, crested Nephrolepis—1, Holm & Olson; 2, A. S. Swanson; 3, Hiawatha Gardens; 4, John Vasatka. Specimen Fern, any other variety—1, Minneapolis Floral Co.; 2, Holm & Olson; 3, A. S. Swanson; 4, John Vasatka. 6 Ferns, distinct varieties—1, Holm & Olson; 2, A. S. Swanson; 3, Hiawatha Gardens; 4, Minneapolis Floral Co. 2 Hanging Basket Ferns—1, A. S. Swanson; 2, Holm & Olson; 3, Minneapolis Floral Co.; 4, J. Vasatka. Fern dish filled, 10 inches in diameter—1, Holm & Olson; 2, Minneapolis Floral Co.; 3, Hiawatha Gardens; 4, J. Vasatka. 15 Fancy-leaved Caladiums—Holm & Olson. 12 Coleus, not less than 6 varieties—1, Holm & Olson; 2, John Vasatka. 6 Coleus, not less than 3 varieties—1, Hiawatha Gardens; 2, Holm & Olson; 3, John Vasatka.

Blooming Plants

12 Begonias—1, Holm & Olson; 2, Hiawatha Gardens; 3, John Vasatka. 6 Begonias—1, Holm & Olson; 2, Hiawatha Gardens; 3, John Vasatka. 12 Lilies, not less than 3 varieties—John Vasatka. 24 Geraniums, not less than 6 varieties—John Vasatka. 13 Geraniums, not less than 3 varieties—John Vasatka. 12 Roses—1, Holm & Olson; 2, Minneapolis Floral Co.

Cut Flowers

12 American Beauty Roses—A. S. Swanson. 25 Richmond Roses—Minneapolis Floral Co. 25 Pink Killarney Roses—1, A. S. Swanson; 2, Minneapolis Floral Co. 25 Kaiserin Roses—1, Minneapolis Floral Co.; 2, A. S. Swanson. 25 White Killarney Roses—1, A. S. Swanson; 2, Minneapolis Floral Co. 25 Any other variety Roses—A. S. Swanson. 25 Gladioli spikes, one variety—Holm & Olson. 12 Spikes Hydrangea paniculata grandiflora —Holm & Olson.

Floral Designs

Basket cut flowers, not to exceed 20 inches in diameter—1, Holm & Olson; 2, Minneapolis Floral Co.; 3, A. S. Swanson; 4, R. A. Latham. Table Decoration, table not to exceed 40 sq. ft., and to be furnished by exhibitor, to be kept fresh until close of Fair; nothing but flowers to be considered by judges—1, A. S. Swanson; 2, Holm & Olson; 3, Minneapolis Floral Co.; 4, R. A. Latham. Wreath on easel, not to exceed 24 inches —1, Minneapolis Floral Co.; 2, Holm & Olson; 3, A. S. Swanson. Panel design, not to exceed 30 sq. ft.—1, Holm & Olson; 2, A. S. Swanson; 3, R. A. Latham.

VERITAS.



The Late George Wittbold

Obituary

James M. Kennedy

James M. Kennedy died on Sept. 8, at Dansville, N. Y., aged 49. Mr. Kennedy had a stroke of paralysis 14 months ago and never recovered his health. He was one of Dansville's prominent nurserymen, having followed the nursery business since 1876. He was a member of the Dansville Nurserymen's Association, also the National Association. He belonged to the Maccabees and the Dansville Protectives. He had served as vestryman of the Episcopal Church for many years. Mr. Kennedy is survived by a widow, one son, James Edward Kennedy, and daughter, Miss Helen Kennedy, also by his aged mother, Mrs. Thomas Kennedy, a sister and a brother.

George Wittbold

George Wittbold, of the Geo. Wittbold Co., and one of Chicago's first florists, having been in business in that city for many years, died on Monday, Sept. 19, at his home, 3319 North Halsted st. Mr. Wittbold was born in Hanover, Germany, in 1833. His father was gardener in the King's gardens in Hanover, and there Mr. Wittbold spent five years, learning his business. He settled in Chicago in 1857. In that year he bought the block at the corner of North ave. and Clark st. where the Plaza Hotel now stands, and where he conducted a flower garden and nursery. From there he moved to the present location of the business, 737 Buckingham Place.

Mr. Wittbold was an expert botanist, and his scientific work on tropical plants, especially Orchids, is said to have been an excellent display of his skill. He was active in the business up to within ten days of his death, and while his demise was not unexpected, it was hoped that owing to his previous health and vitality he would again be around. He is survived by a widow and seven children: Henry, Fred, Otto, Louis and Helen Wittbold, Mrs. Mary James and Mrs. Sophie Neve. The funeral was held on Wednesday, at 2.30 p.m., from the deceased's late residence, with interment at Graceland.

More Geraniums (Faiss)

In continuation of its descriptions of the remarkable new race of Geraniums originated by the specialist Karl Faiss of Feuerbach, near Stuttgart, Germany, Möeller's Deutsche Gärtner-Zeitung notices two more to be disseminated next year, namely Queen Charlotte of Württemberg and Uncle Richter. Queen Charlotte has a very large, shapely flower with slightly wavy petals; the single florets are as much as 3 in. across, while the truss of a one year plant may reach 12 in. across. The color is a pleasing hermosa red, with two chestnut brown spots, from which sharp veins radiate. Queen Charlotte begins to flower early, is a profuse bloomer and an excellent remontant, and matures into a good salable plant within a short time, a combination of qualities that should make it one of the best the retail florist can handle.

Uncle Richter is one of the finest of this new race. In size and wavy petals it is similar to Queen Charlotte, though the entire inflorescence reminds one of a Rhododendron. The color is a bluish white, the two spots are brown, with reddish purple edge, a combination of tints that is exceedingly attractive.

Aside from their wealth of blossoms, these two originations are so superior to the older varieties of Geranium, especially as regards the shape and doubleness of the flowers, that they will sooner or later take the leading place among their kind. Progressive florists will not be slow to recognize that it pays much better to handle a really fine variety that will bring a good price, than the smaller-flowered and in every way inferior sorts.



The above illustration is from a photograph made at night of the aquatic window of the Washington Florists' Co. of Washington, D. C. To the extreme left is Clematis paniculata; near the center is a bunch of wild Asters, behind which is a miniature Japanese tea house. To the right is a Japanese lamp in rustic effect, while suspended above all and greatly adding to the general effect are boughs of Liquidambar (Sweet Gum Tree). This window, in spite of the late season, still continues to attract many spectators, both day and night.—J. L. C.



Cross and Crown of Euphorbia Splendens

The Euphorbia splendens, here illustrated, grown to the shape of a cross and crown, has taken 19 years to bring to its present condition. The grower, Mr. Frailey, has been for nine years in charge of the Cactus house of the National Museum at Washington, D. C. J. L. C.

Books Reviewed

BRITISH FLORAL DECORATION, by R. Forester Felton, F.R.H.S., F.Z.S. etc. 194 pp. 8vo. Illustrated. Published by Adam & Charles Black, 4 Soho Square, London, W.

This book opens with a preparatory note by Sir Albert K. Rollit, Lit. D., D. L., in which he speaks of Mr. Felton as an expert and enterprising floral designer and decorator, mentioning some of his public work. An introduction follows by Mr. Felton, in which he speaks of his work as his first serious attempt at hook-writing.

In twenty chapters the author covers his subject well. The first three chapters take up floral art in general, and table and home decorations; the thirteen following chapters treat of the uses of the different flowers, taking up the utility in decoration of the Rose, Carnation, Chrysanthemum, Orchid, Tulip, Lily of the Valley, Violets, Sweet Peas, Lilies, Daffodils and other bulbous stock, herbaceous plant blooms, foliage and woodland leaves, annual and biennial flowers, and Dahlias. The four remaining chapters are devoted to church decorations, children's flower shows, useful hints, and last of all the refrigerator. Though the volume ends with the refrigerator, there is nothing chilly about the style in which the book is written.

In every chapter of the book it is manifest that the writer loves the work of which he is writing and that he writes from personal experience. In short, Mr. Felton's book is not one made up from the books of several other writers. To one who is in pursuit of knowledge in regard to floral decoration Mr. Felton's book is full of useful suggestions, and direct instructions. It is not a book of mere glittering generalities, which is too apt to be the case in articles on floral decorations, but the different chapters, taking up the different kinds of flowers, go into the details relating to the various species of the different flowers in well-arranged tabulations.

The author evidently loves not only the beautiful in flowers, but also the beautiful in literature, as is evidenced by the frequent stanzas of poetry with which the book is interspersed.

This book can be obtained from the A. T. De La Mare Ptg. & Pub. Co., 2-8 Duane st., New York City. Price, postage prepaid $3.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Conatruction

Fig. 80 shows another form of iron aill, consisting of a galvanized iron "T" bar, F, which is secured to the "T" bar side post. E, by means of the bolt, J, which passes through an iron clamp piece, K, on both aides of the "T" post, securely tightening the sill against the casting, L, which is placed between the "T" sill and post, so as to hold the "T" sill at the proper point to receive either the small nailing strip. S, or in the case where side sash is used to receive the bottom rail of sash. Where solid glazing is used, as shown on the drawing, this nailing strip is secured at intervals to the "T" bar aill by means of n wood screw, F, passing through the lug which forms part of the casting L. This wood nailing strip, when desired, can be easily replaced without disturbing the main supports of the house, and can be renewed at a nominal cost.

The same form of "T" bar is used for base board, as shown at V, and is secured to the "T" side post in the same manner. These two members, as well as the "T" side post, should be galvanized, by the hot process, after all machine work is done, and when so treated make an exceptionally strong and lasting construction. The "T" bar side post should be set in concrete below grade.

Where it is desired to use concrete between the sill and the grade, which, of course, is much the best construction, it will not be necessary to use the "T" base plate, V, but the construction will be similar to that shown in Fig. 81, which shows an intermediate section between the "T" bar side posts. The side post is shown in dotted lines passing down through the concrete wall. The "T" bar sill, F, is secured to the "T" bar side post at the required height, and the concrete filled in up to that point. The junction between the concrete wall and the "T" bar sill should be filled in, by band, after the forms are removed, with cement, and the inside of the wall finished with a slope as shown. Either of the sills illustrated make an excellent construction, and are desirable in connection with semi-iron frame structures because of their lasting properties, as well as the additional strength afforded the house, and the slight ndvance in first cost would be more than offset in the saving in repairs in after years.

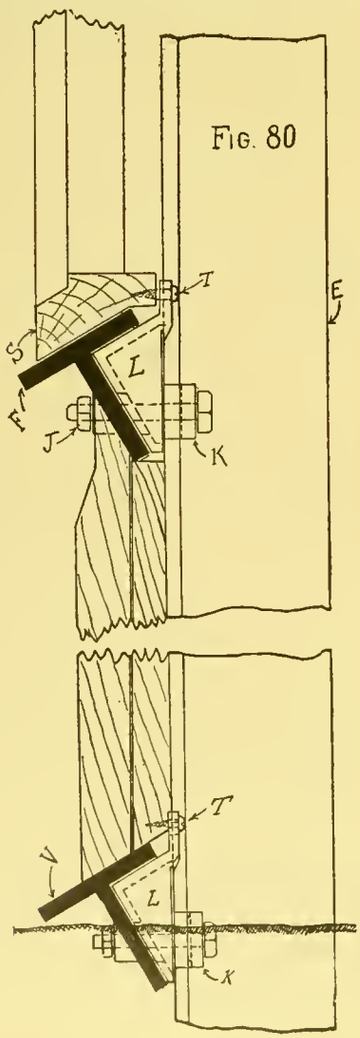


Fig. 80

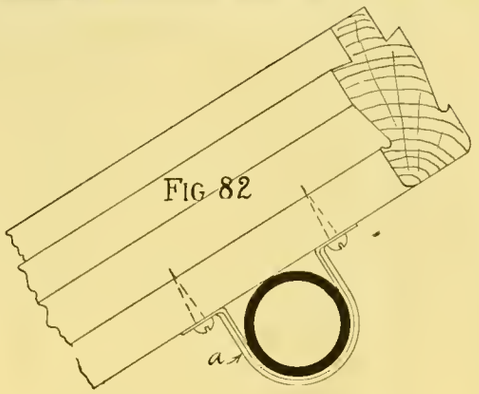


Fig. 82

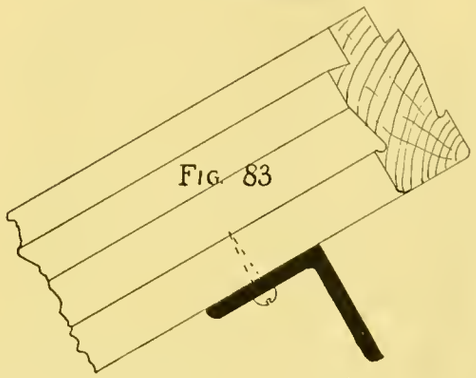


Fig. 83

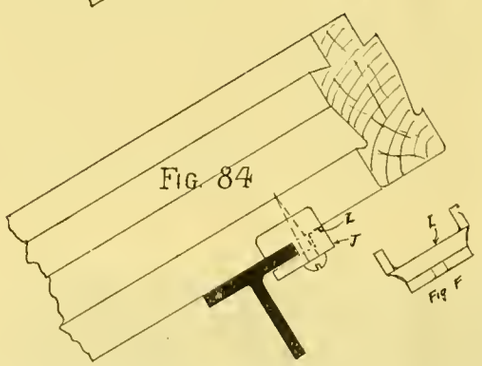


Fig. 84

In connection with the support of the roof, there are three forms of iron purlins which have been used successfully. Fig. 82 shows the ordinary type of pipe purlin, which is secured to the wood bars by means of some form of iron clip, A, generally consisting of the usual tinned clip with a wood screw passing through same on each side of the purlin. Where these purlins are placed, over 6 ft. apart up the roof, they should consist of 1¼ in. pipe; but where they are less than 6 ft. apart 1 in. pipe would be found sufficient.

Fig. 83 shows a form of angle iron purlin which has been very largely used in the past, each of the roof bars being secured to same by means of a wood screw passing through a hole drilled in the upper web of the angle. Quite a common size of angle iron used in connectiou with this is 1¾ in. x 1¾ in. x 3-16 in.; some manufacturers use a 2 in. x 1½ in. x 3-16 in., the amount of iron in each being the same; either size has been found to give good results.

A third form is that shown in Fig. 84, which consists of a T bar, the dimensions being in the same proportion as that stated for the angle iron eaves. As will be seen, the wood bars are secured to this T bar by means of the lug J, which is slotted so as to go over the upper side of the "T" purlin, and a wood screw passing directly through the lug into roof bar secures same firmly to the "T" purlin. By this arrangement it is not necessary to drill the "T" bar, and the lugs can be adjusted to suit any width of glass. Either of these purlins will be sufficiently strong, with the roof supports not over 8 ft. 4 in. apart, and with a distance of not over 8 ft. 3 in. between the purlins up the roof.

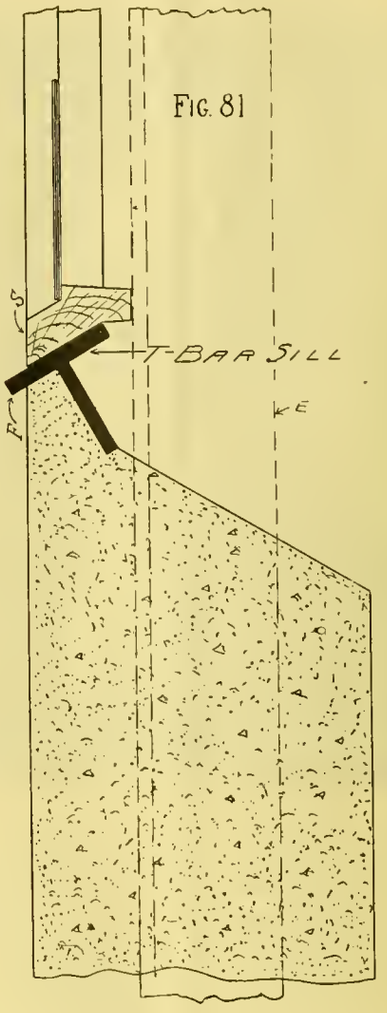


Fig. 81

The forms of purlins shown in Figs. 83 and 84 are more desirable, we believe, than the pipe purlin, owing to the fact that the strength of the metal is distributed along the lines of the greatest strain; and, also, it is possible to keep the iron thoroughly painted both sides, which, of course, is impossible in connection with the pipe purlin. Where pipe purlins are used and not galvanized they should be dipped so as to give a coat of paint on the inside of the pipe; and something of a lasting nature is desirable, such as a good quality of carefully prepared asphalt paint. The method of connecting these various purlins to the pipe supports of the roof vary according to the designs of the different manufacturers, some of which we will consider later.

Mr. Payne's series on GREENHOUSE AND HEATING was commenced in our issue of April 2, 1910. Subscriptions can still be filled commencing with that date.

Laws of Hybridization

Nothing whatever is as yet known as to the nature of the laws whereby the varieties of Roses exchange on cross fertilization the qualities of their parents, and the rules followed by hybridizers are based solely on practical experience. Therefore, the views of men who are successful in originating novelties, are of value in throwing some light on this obscure point. Rosenzeitung, in commenting on this question, quotes a German hybridizer, a Cyclamen specialist, who has obtained some astonishing results. His experience is as follows: If several flowers of a mother plant are pollinated successively, the descendants of the flowers treated first follow the mother plant entirely, while those of the flowers treated last follow the pollen plant entirely. He explains this fact on the ground that the mother plant is expending her best strength upon the nourishment of the first seed pods, and is not sufficiently strong to impress her qualities also upon the later seeds. This grower has furthermore discovered that varieties of Roses bearing no fertile pollen cannot be compelled, either through feeding or starvation, by heat or by cold, to form such pollen.

The New Rose Juliet

The old Scotch Sweet Briar Rose, after having been neglected for many years, was again restored to a place of honor by the English rosarian, Lord Penzance, who originated, in 1893-1895, a series of about 15 different single and half double hybrids, obtained by successful cross fertilization. These hybrids are more sturdy in habit than the parent plants, with larger and healthier foliage. Among the colors are lutea bicolor, blood red, light red, and light and dark pink.

The firm of W. Paul & Son fertilized selected garden Roses with descendants from the Rubiginosa class, and then obtained, from fertilization with Soleil d'Or, the novelty Juliet. Its parentage is given as Captain Hayward (?) × Soleil d'Or, though the Rubiginosa crossing is not very clear from this. The flowers of Juliet are large and double, with a delicious and strong perfume. The color is a fresh orange pink, shading into dark pink when the bud opens; the reverse of the petals is old gold. It blooms profusely in the Summer, but less in the Fall. For a group Rose it will probably not be found sufficiently remontant. It has attracted much attention at all recent shows. At the Temple Show in London it received the gold medal, and at the Holland Rose Show a first-class certificate. It is generally recognized as a novelty that is really new in color and valuable both as a garden Rose and as a cut flower.

The Sweet Briar Rose is called in some districts in Germany, Mary's Rose or Virgin's Rose, because the Virgin is said to have dried the little garments of the Child Jesus on such a Rose, which derived therefrom its delicate apple odor.—*Rosenzeitung.*

New Polyantha Rose Erna Teschendorff

Among the many sports and crosses derived from Mme. Norbert Levavasseur the new sport, Erna Teschendorff is considered (in Germany) the most promising. In habit it resembles the parent plant, blooms as profusely, and is equally resistant to disease. The flower clusters are of about the same size, and also the individual flowers, though these are much more double. The color is a dark brilliant crimson, much like that of Gruss an Teplitz. Its most valuable quality, however, is its indifference to atmospheric conditions; it will withstand any kind of weather and never turns blue. Cut flowers have kept for a week without changing color. It may be forced as readily as Mme. Norbert Levavasseur; plants potted in the Fall have been in full flower the following April. It won a high prize at the recent Rose shows in Liegnitz and Dresden, Germany, as one of the best dark red, double Polyantha Roses. It appeared three years ago in the rosary of Victor Teschendorff in Cossebaude, near Dresden, Germany, who will put it on the market next Fall.—*Moeller's.*

THE LATE M. CALVAT'S CHRYSANTHEMUMS.—It is reported that the large collection of seedling and other Chrysanthemums forming the stock of the late Ernest Calvat have been placed under the care of M. Rémy, the well-known grower of Grenoble, France.



Wm. Paul & Son's (England) New Rose Juliet

The illustration herewith is taken from a colored plate in a recent issue of Rosenzeitung, painted by M. A. West and lithographed by J. L. Goffart, Brussels. Our picture gives an idea of the form of the Rose; the translation from Rosenzeitung affords some idea of its regal coloring.

New York State Fair at Syracuse

It is seventeen years since the New York State Fair was permanently located at Syracuse, and each year since it has steadily grown in number and quality of exhibits as well as attendance. This year, favored by glorious weather, all records have been broken, the attendance being close to 200,000, in spite of the fact that the admission fee was doubled.

It is expected that over $60,000 will be turned over to the State; there is no doubt that in the near future New York State will have the largest fair in America.

The large Horticultural Hall, with two annexes, were not large enough to hold the exhibits; many plants and flowers had to be placed upon the floor. Although this department is one of its greatest attractions it is feared some years will pass before relief is afforded in the way of a larger building, as the commissioners seem to think that cattle and horses come first, and the next buildings shall be for them.

P. R. Quinlan was the only professional exhibitor in the plant classes, and staged large groups of Palms, Ferns, stove and greenhouse plants, Begonias, Coleus, Cannas, Geraniums, etc., and was awarded first prizes.

Walter Meneilley & Son and Hugh Meneilley staged some well-grown clean healthy plants in the open classes and carried off all the first and second prizes for store and greenhouse plants, Ferns, Palms, Caladiums, Coleus, Cannas, Begonias, Geraniums, hanging baskets, etc.

There were several entries from amateurs, some of the plants shown not being worth the premiums offered.

In floral designs P. R. Quinlan had a very large one, The Heavenly Portals, made principally of Asters, pink and white Killarney Roses and Valley; it received first prize. For design other than for funeral purposes he had a large panel of white Asters with heavy border of Meteor Roses; in the center was a vase pricked out with pink Asters; this was awarded first prize.

Carl Beckstedt of Oswego had a very handsome wreath of Magnolia leaves with Perle Roses. Another piece was a waving American flag remarkably well done. He was second with both entries.

It is generally regretted that larger prizes are not offered in this class, and the size of pieces restricted so as to induce a larger competition.

The show of cut flowers was by far the largest ever put up. Asters and Gladioli were most conspicuous and the judges had hard work to decide.

P. R. Quinlan and Carl Beckstedt were the only exhibitors in the professional classes and divided up the prizes. W. Meneilley and Hugh Meneilley captured most of the prizes in the open classes.

C. B. Benson, Menetto (James Norris, gdr.), was the largest exhibitor in the amateur classes and secured four firsts with four entries; as the names are not placed on the premium cards it is a difficult task to find out who they are awarded to.

The judging was in the hands of F. Vick, of Vick & Hill, Rochester, and W. Hewson with W. Scott, Buffalo; their decisions were very satisfactory.

Arthur Cowee of Berlin had a splendid show of Gladioli; the spikes and flowers being better than those staged at Rochester. Among the many good things I noticed were Evolution, Rosella, La Mark, Pacha, Victory, Baron Hulo; seedling No. 397 is remarkably good, as were some vases of yellows and light shades; these were all first flowers from small bulbs and very promising.

James Vick's Sons, Rochester, offered $1,400 in special prizes for Asters and vegetables grown from their seeds, and the display made was the finest of its kind I have ever seen. The Asters were remarkably good, as were all the vegetables, the Cauliflowers in particular were the finest I ever saw and that is saying quite a lot. The exhibits came from Canada and all over the States, and filled a space one hundred feet long by sixty feet wide; certainly the firm has every reason to feel justly proud of the display.

The show of fruit was the largest ever held. The Western New York Society captured first premium of $350 for best collection grown in New York State. Ellwanger & Barry were very large exhibitors and won many first prizes. The N. Y. Agricultural Exp. Station at Geneva put up a marvellously fine exhibit, consisting of 165 varieties of Grapes, 117 varieties of Plums, 158 varieties of Apples and 75 varieties of Peaches; besides this they had a most interesting and instructive collection of injurious insects and specimens of diseased plants and trees, which proved instructive to fruit growers.

The Agri. Exp. Station of Cornell University had an instructive display of photographs and specimens of diseased plants, insects, etc., and distributed a number of valuable bulletins.

Nursery stock was shown by Ellwanger & Barry (which gained first prize), Brown Bros. & Co. and Arthur Wood of Rochester; Reilley Bros. of Dansville, N. Y.

L. Bryant & Son, Newark, N. Y., made an exhibit of Strawberry plants in pots, some covered with fruit.

Quite a number of Granges made artistic displays of fruit and vegetables. If prizes were offered for flowers grown by the granger's children, a vast amount of good could be accomplished, and I wish very much the S. A. F. and O. H. would take the matter up. H. Y.

Preserving the Wild Flowers

The City Council of Vienna, Austria, has forbidden the sale in streets of the rarer wild flowers which grow in the valleys of the mountains near by. The object of the order is to prevent the picking of these flowers in large quantities, which had been going on at a rate which made it look as though the flowers would be exhausted.

The Flower Industry in France

According to Consul William Dulany Hunter, Nice, the Syndicat des Horticulteurs gives the production of flowers in the Nice district in 1909 as 7550 tons, valued at $5,780,000, the industry employing 18,600 persons. Two special trains transport these flowers daily to the north, especially to Paris, London, Berlin, and St. Petersburg, during the season. The flowers are packed in light willow baskets weighing either 6½ or 11 pounds, *and are forwarded to their destination by parcel post.* The flowers cultivated for export are chiefly Carnations, Violets, and Anemones, while Orange blossoms, Tuberoses, and Jasmine are most extensively used in the perfume factories at Grasse. The production of flowers being more remunerative than farming is the principal reason for the large imports of dairy and farm products into Nice. In the flower gardens a man earns about 60 cents a day and a woman 40 cents, and in some cases less. A girl flower picker in the district of Grasse earns 20 to 25 cents a day.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(59) **Propagating Benches.**—I was very much interested in the discussion about cement benches in a recent issue of the EXCHANGE. Nothing was said about the use of cement in propagating benches. Can you tell me what is the best material to make the bottom of propagating benches with, cement-blocks, brick, slate or what? Also the best way to make the benches for one in the rooted cutting business, who sometimes has to hold the cuttings in the benches two or three weeks after being rooted, to wait for sales. I have cement blocks in my benches, and last Winter some cuttings, like Fuchsias, would root fine, others, double Petunias for instance, would not root good and would damp off. Would a brick bottom bench radiate more heat than the cement? I thought it was because the sand was too cold that they damped off.—J. P. C., N. J.

—Propagating benches are usually made of wood about 4″ deep, with cracks about ½″ wide between the bottom boards, so as to secure good drainage. The cracks can be covered with clean moss to prevent the sand from sifting through. The bench is then filled with clean sand to the depth of about 3″, and pounded down firm. It is a bad practice to leave cuttings in the bench after they are well rooted. It is better to remove them and put them into shallow flats of soil, until a sale is effected. An invitation is extended to any using propagating benches of any other material than wood to state their experiences.

(60) **Aster Stem Rot.**—Would you please tell me through your valuable paper a remedy for stem rot on Asters. I have had two nice beds of Asters; they looked splendid until they started to bloom, very large flowers, but they have almost died off, and are like old hay. Would you please tell me the cause and cure, or remedy to use?—J. C., L. I.

—There is nothing to be done to save the Asters now. The only thing left to do is to pull them up and plant some other crop. Thorough drainage, aeration of soil, and liming all tend to prevent the stem rot.

(61) **To Destroy Aster Bugs.**—What shall I do to get rid of the Aster bugs which destroy my Aster blooms, attacking them as soon as the buds show any color?—Inquirer, N. Y.

—Spray or sprinkle the plants, especially the blooming branches, just as soon as the buds show the least sign of color, with a mixture of one teaspoonful of Paris green to a pail of water. The following remedy is also said to be very effective: Fill old tin cans, such as are used for Tomatoes or similar purposes, with kerosene oil, to the depth of about 2″, and place these cans about 10 ft. apart in the Aster beds, and the smell of the oil will drive the bugs away.

(62) **Grubs Feeding on Roses.**—I notice in your issue of August 20, (page 314) an article pertaining to trouble with American Beauty Roses, and grub worms which you say will not eat the roots. Well, I beg to differ with you exceedingly, as we have found that they do eat the roots. For instance, if we see one with drooping foliage we dig it up and almost invariably find a grub worm; after taking it out we cut back the foliage and replant same, (unless the roots are eaten too much) and they generally pick up again. If it is not the grub worm how do you account for it? I would like to hear anyone's opinion on the matter, as it seems interesting.—T. W. REED, Waco, Texas.

—The article referred to by Mr. Reed as in the EXCHANGE, issue of August 20, was an answer to a question about the cause of American Beauty Roses dying. A branch of a bush, and a whitish colored grub about 1½″ long and ½″ thick, such as is usually found in well decayed manure, and in rotten tree stumps, were submitted by the questioner. The point raised was: Were those grubs responsible for the death of the American Beauty Rose bushes? A negative answer was given, to which the writer still adheres, believing that this grub feeds on dead matter and not living plants. He would be glad to hear from others,, and, if mistaken in his answer would be pleased to be corrected.

(63) **Plant for Name.**—A. E. B., N. H.

—The plant submitted for identification is Liatris scariosa. Some of the common names which are applied to the several species of Liatris are Button Snakeroot and Blazing Star. Liatris pycnostachya, Kansas Gay Feather, is one of our cultivated herbaceous perennials. Scariosa also is worthy of cultivation.

(64) **Persimmons and the San Jose Scale.**—Please tell me if San José scale will attack Persimmon trees. I want to plant a grove if they are free from such—S. S., La.

—You can say to your correspondent that I do not think the San José scale ever lives on the Persimmon. I had 500 trees of the Japanese Hyakume Persimmon in North Carolina, in a section badly infested with scale, but I never saw one on the Persimmon trees. In various parts of the country the old neglected hedges of the Maclura or Osage Orange are breeding more scales than anything else. If the scale would but kill all of them it would be a blessing to the country. I do not think, however, that your correspondent need fear for the scale on Persimmons.
W. F. MASSEY.
Salisbury, Md.

(65) **Windmill Pump.**—I have a well 36 ft. deep. What size pump shall I get for a 10ft. windmill?—S. S., La.

—A 10 ft. windmill will require a 3½ in. cylinder if the water is to be raised 50 ft.; a 3 in. cylinder if it is to be raised 75 ft.; a 2½ in. cylinder if it is to be raised 100 ft.

(66) **Paris Daisies from Seeds or Cuttings?**—Will you inform me whether Marguerites (Paris Daisies) come true from seed, or is it necessary to produce them from cuttings?—A. B. C., N. Y.

—Marguerites should be propagated from cuttings in order to preserve the type. The Marguerite (Paris Daisy) is Chrysanthemum frutescens or C. anethifolium.

(67) **To Force Spanish Iris.**—I should like to hear from some one who knows how to handle Spanish Iris on a large scale; how soon can they be brought into flower and the best way to keep a succession of flowers?—Subscriber, Canada.

—Plant the Spanish Iris in September or even October, in boxes about 5″ deep and of convenient size for handling. Use a compost of old hotbed manure and sandy loam or a similar mixture. Plant deep enough so that the upper tips are exposed just a little after watering. Cover the boxes with hay or straw to keep in moisture. Set the boxes out in the frames, cover with sash when it becomes necessary, protecting enough to keep the tips from freezing. Bring into the house, for forcing, in February, and give a moist atmosphere and a temperature of 45° to 50°. Bring in at different times to secure a succession of bloom. The time required to obtain blooms will be about six to eight weeks.

(68) **Time for Planting Privet Hedge.**—When is the proper time to plant a hedge of Privet? I desire to plant this Fall.—S. B. W., N. J.

—April and May are the best months of the year for planting a Privet hedge, but they can be set out the last of October.

(69) **Moving Mulberry Trees.**—I want to move two Mulberry trees, ten years old, six inches in diameter. Will you kindly tell me which is the best time to move them?—W. S., N. Y.

—Transplant the Mulberries at once. Prune the branches back one half; strip off all the leaves; get all the roots possible and ram the soil in firmly, as it is thrown in about the roots; and when the hole is half filled up, pour in lots of water. When the water has soaked away, fill up the hole with soil, thrown in loosely. J. M.

(70) **Shrub for Name.**—J. B. G., Ga.

This is the Vitex agnus-cactus, known under the common name of Chaste Shrub. There are several colors of it, blue, white and lilac. It is propagated from soft and hard wood cuttings and from seeds, so that it is not difficult to get up a stock of it.—J. M.

(71) **Which is Considered the Better Kentia?**—Which do you consider the better Palm of the two; Kentia Forsteriana or Kentia Belmoreana? Where is the best place to procure seed of same?—F. H. W., Ohio.

—Kentia Forsteriana and K. Belmoreana are both good. Probably far more of the latter are grown, because in sizes up to these grown in 7″ pots, Belmoreana is said to be preferred, but from that size upward Forsteriana is said to be considered more useful. Nearly all the leading seedsmen who advertise in our columns can furnish you with Kentia seeds.

(72) **Will Ampelopsis Veitchii Climb on Cement Walls?**—Please let me know if Ampelopsis Veitchii will maintain its grip on cement walls as well as on stone or brick.—J. T., N. Y.

—Ampelopsis Veitchii will climb and maintain a firm hold on either stone, brick, cement or wooden walls.

(73) **To Keep Cider Sweet for Winter.**—J. L. C., D. C.

—Cider should be made from good fruit as late in the Fall as possible, placed in a cool cellar and strained occasionally. Care should be taken to keep the barrels as nearly full as possible. Bottled cider will keep the longest, the bottling to be done as soon as fermentation is over. The corks must be securely wired on. We believe wholesale drug stores supply a preparation which, when dropped into the cider cask, stops fermentation. The cider should be allowed to "work off" its impurities, however.

(74) **Thuiaria Argentea, the So-Called Air Plant.**—Please tell me the name of the enclosed plants. It was given me for an air plant, but it would not grow.—S. S., La.

—The portion of plant submitted is from the Thularia Argentea, so-called "Japanese Air Plant;" "Squirrel's Tail;" "Sea Weed." "It grows in water from 30 to 50 fathoms in depth, attached to shells or stones, and is found in the North Atlantic, and in the Polar Seas, also on coasts of Europe and Japan. It is washed, dried, and dyed various colors, generally green." See Peter Bisset's article in Feb. 13, 1909, issue of Florists' Exchange, page 235.

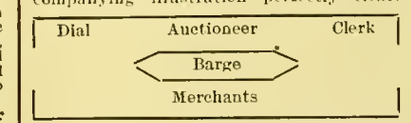
In Step with the Times

In the Netherlands in the sixteenth century the Spaniards had a medal struck. It represented a globe with a horse rearing on the top of it. Below was the inscription: "The world is not sufficient for him." But after a signal victory by the men of Zeeland, one of the United Provinces, it was their turn to strike a medal. They chose the same device, but they added near the horse rearing on the globe the lion of Zeeland, a lion swimming in the waves, with this motto: "I swim and keep my head above water," and they added the inscription, "Where he jumps I follow."

The story is not only a characteristic example of Dutch humor, but it suggests one of the reasons why Dutch agriculture and horticulture are prosperous. Where fortune has leaped the Hollander has followed. He has prospered by the modernizing and the intensifying of his methods.

The Dutch Auction Improved

When I speak of co-operative auction marts, you realize, of course, that the arrangement means that the producer no longer seeks the merchant, but that the merchant has to wait upon the producer. At Maastricht and elsewhere butter and eggs are sold in a particularly business-like way at the co-operative auction mart. The buyers sit on raised seats, and between the knees of each there is a button communicating electrically with a big dial and with the clerks. Each creamery has a number which is shown electrically on a plate as its produce is put up for sale. The putting up for sale consists simply of this: the pointer on the dial round the rim of which prices are marked is released and swings round. When the figure some buyer is prepared to give is reached, he presses his button and the pointer stops. The sale is made, and there can be no dispute as to who bid or what the price was. The auctioneer has not opened his mouth, except before the pointer was set going to announce the quantity for sale. At Loosduinen I was a witness of this method of selling produce: The co-operators' auction mart straddles a piece of canal wide enough for a barge to be poled through. Here is a rough diagram which will help to make the accompanying illustration perfectly clear.



In comes the grower's barge piled with "salads." Two lads belonging to the mart hold up specimens of the produce in either hand, throwing them to merchants if needs be—even quality is guaranteed by the co-operative society to which the grower belongs—the pointer is released, one of the merchants touches his button, the sale is over, the amount is entered into the grower's book previously left at the office for the purpose and now flung on the barge, the barge is poled out, another barge has appeared with a fresh lot of produce. It took just a minute and a half, I noticed to sell one barge's load of 2200 head of Lettuce and 1000 Cucumbers. Any vendor dissatisfied with the price made pulls a bell, a string attached to which hangs within reach over the barge, but I heard the bell rung only once. In the Westland alone there must be eight or nine vegetable and fruit auction marts of the same sort. Outside the Loosduinen mart, at which £1,000,000 worth of produce is put up for sale in a year, the merchants had their packing sheds alongside which the barges drew up as they emerged. The greenstuff I saw sold early in the afternoon would be down to the Hook of Holland in the evening, and on some London luncheon table next day. In a country, where special Cabbage trains are run (to Germany), and a passenger train may be shunted to let an egg train pass, "perishable produce"—uniformly crated, however, and consigned in bulk—gets the attention it deserves.—*Daily Chronicle Correspondent.*

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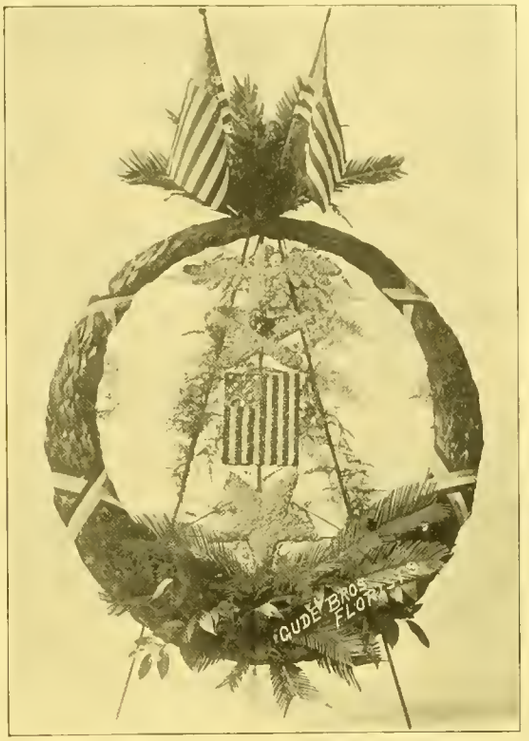

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Philadelphia	" 24	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 24	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 24	11.00 am.	W. 18th St., N.Y.	Antwerp
Arabic	" 24	12.00 m.	W. 21st St., N.Y.	Liverpool
Caledonia	" 24	12.00 m.	W. 24th St., N.Y.	Glasgow
Venezia	" 24		31st St., Bklyn	Naples
Calabria	" 24		Union Strs. Bkln.	Naples
Mexico	" 24		W. 44th St., N.Y.	Bord'x-Dunk'k
Kronpr. Wilhelm	" 27	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 27	10.00 am.	5th St., Hoboken	Rotterdam
Luisiana	" 27	12.00 m.	Bush Dks, Bklyn	Naples-Genoa
Lusitania	" 28	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 28	3.00 pm.	W. 21st St., N.Y.	Southampton
Oceania	" 28	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Fred. der Grosse	" 29	10.00 am.	3rd St., Hoboken	Bremen
Lituania	" 29	2.00 pm.	Bush Dks, Bklyn	Rotdam-Libau
United States	" 29	2.00 pm.	17th St. Hoboken	Copenhagen
Graf. Waldersee	" 29	3.00 pm.	1st St., Hoboken	Hamburg
Volturno	" 29		Pier 38, Bklyn	Rotterdam
Minnewaska	Oct. 1	9.30 am.	W. 16th St., N.Y.	London
St. Louis	" 1	10.00 am.	W. 23rd St., N.Y.	Southampton
Baltic	" 1	10.00 am.	W. 21st St., N.Y.	Liverpool
Caronia	" 1	10 00 am.	W. 14th St., N.Y.	Liverpool
K. Aug. Victoria	" 1	10.00 am.	1st St., Hoboken	Hamburg
Koenigin Luise	" 1	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Vaderland	" 1	11.00 am.	W. 18th St., N.Y.	Antwerp
D'a D' Abr'zzi	" 1	11.00 am	W. 34th St., N.Y.	Naples-Genoa
Atlanta	" 1	1.00 pm.	Bush Dks, Bklyn	Naples-Tri'ste
California	" 1	3.00 pm.	W. 24th St., N.Y.	Glasgow
Chicago	" 1	3.00 pm.	N.Y.	Havre
Floride	" 1	3.00 pm.	N.Y.	Havre
Germania	" 3		31st St., Bklyn	Naples
New Amst'rdam	" 4	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 5	10.00 am.	W. 14th St., N.Y.	Liverpool
Pennsylvania	" 5	11.00 am.	1st St., Hoboken	Hamburg
Oceania	" 5	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
Oceanic	" 5	3.00 pm.	W. 21st St., N.Y.	Southampton
La Provence	" 6	10.00 am.	W. 15th St., N.Y.	Havre
Deutschland	" 8	9.00 am.	1st St., Hoboken	Hamburg
Minneapolis	" 8	9.30 am.	W. 16th St., N.Y.	London
New York	" 8	10.00 am.	W. 23rd St., N.Y.	Southampton
Furnessia	" 8	10.00 am.	W. 24th St., N.Y.	Glasgow
From Boston				
Ivernia	Sept. 27	4.00 pm.	B&A Dks, E.Bos.	Liverpool
Winnifredian	" 28	4.30 pm.	B&A Dks, E.Bos.	Liverpool
Parisian	" 30	9.00 am.	Mystic Whf Char	Glasgow
Romania	Oct. 1	9.00 am.	B & M Dks. Char	Azores-Gib Naps-Gen
Cambrian	" 7		B & M Dks. Char	London
Philadelphia				
Ancona	Sept. 28	11.00 am.	80 So. Wharves	Naples-Genoa.
Menominee	" 30	10.00 am.	55 So. Wharves	Antwerp
Haverford	Oct. 1	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 1		24 No. Wharves	Glasgow
San Francisco				
Manchuria	Sept. 27	1.00 pm.	1st Street	Honolulu
Chiyo Maru	Oct. 4	1.00 pm.	1st Street	Japan
Asia	" 11	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

Meyer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. T. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see page 560

New Refrigerator for West View Floral Co.

The McCray Refrigerator Co. of Kendallville, Ind., has just completed one of the largest and handsomest florist's refrigerators ever made, it having been built for the West View Floral Co. of Atlanta, Ga. This refrigerator is of peculiar shape owing to the limitations of the space which it will fill. There is not a square corner in it. The front is 24 ft. wide and the rear 26 ft. The ends are 3 ft. and 6½ ft., respectively and it is 10 ft. high.

The outside is white enameled, with drawers in front for Mosses, Ferns, etc. The floor is tile; the back is mirrored. It is fitted with wire shelves. The cost was $1800. It is not only a unique refrigerator but one that will make a beautiful display.

The McCray Refrigerator Co. makes a specialty of high-class built-to-order work and many of the largest florists in the country are enjoying the benefits derived from using their productions.

Reliable Supplies for both Wholesale and Retail Florists

RIBBONS THAT ADD THE "FINISHED TOUCH"

whether it be bows or streamers, colors that blend with the flowers, deep lustrous, rich toned Ribbons, woven in many shades and widths.

No other Ribbons just as good, no other sold just like them, for you buy

PINE TREE BRAND RIBBONS DIRECT FROM THE MAKERS

Order Pine Tree Wedding Ribbons now.

Postal Card for Samples

THE·PINE·TREE·SILK·MILLS L·D·S·&Co.

The Pine Tree Silk Mills Co.

Philadelphia, Pa.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass. L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

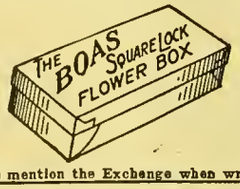
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.



KRICK'S Florist Novelties

Manufactorer and Patentee of The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

THE AMERICAN CARNATION

Price $3.50 Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2 to 8 Duane St., New York

WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

of choicest qualities, and are enabled to supply large and small sizes in any quantity. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples cheerfully sent upon application.

Prices 35c. to 60c. per pound

CHAS. W. JACOB & ALLISON, 18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS, RAFFIA, BARK CLOTH, ETC.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE

56 Pine Street, NEW YORK

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Climax Manufacturing Company's Special Sale of

Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower, Design, Pillow and Shipping Boxes are made from Heavy Manilla board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100	Size	Per 100
†18x5x3*	$2.25	15x16x8	$8.00
†20x4x3*	2.25	18x18x8	9.00
†21x5x3	2.75	20x20x8	10.00
†21x7x3½*	3.25	22x22x8	12.00
†24x5x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x15x8	10.00
25x15x6*	7.25	24x18x8	12.00
†30x5x3½*	3.75	28x22x8	13.50
†30x10x6*	7.50	30x15x8	13.50
†30x12x7	9.00	26x20x10	16.50
†36x6x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†36x10x6*	9.00		

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 300 or more. Extra Charge of $1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of $15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days time, but no discount will be allowed unless the invoice if paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address—

THE CLIMAX MANUFACTURING CO.

Box 205

Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St., Boston, Mass.

JACOB BRUNNER, Mgr.

Please mention the Exchange when writing.

500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also, a fine stock of **AMPELOPSIS Veitchii**, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder**, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Retail Notes

NEWARK, O.—The florist store of Mrs. J. L. Miller is being remodeled.

SOUTH BETHLEHEM, PA.—The Flower Store, at 10 North Main st., has discontinued business.

DECATUR, ILL.—M. B. Leach has sold his florist business to Theodore Steffas of Springfield, Ill.

BATTLE CREEK, MICH.—The store of the H. A. Fisher Co. is undergoing many modern improvements.

OMAHA, NEB.—The Annex Flower Shop, adjoining the lobby of Brandeis' Theatre, has been opened.

CHICAGO, ILL.—Zschan the Florist has moved his store two doors north, from 11146 to 11140 Michigan ave.

ZANESVILLE, O.—J. T. Goodlive has opened a new store on N. Fourth st. and abandoned his old location. The new store has been furnished with the most modern equipment.

PITTSBURGH, PA.—G. P. Weklin, for several years with the Randolph & McClements Co. will shortly open a retail store in East Liberty, Pa., under the style G. P. Weklin & Co.

TOLEDO, O.—Mrs. J. B. Freeman has purchased the florist store of Geo. A. Heinl at 336 Superior st. Mrs. Freeman has been manager of Mr. Heinl's business for 30 years.

ALTON, ILL.—Mrs. Clara Dietschy, who has had charge of J. F. Ammann's florist store here since she sold the same to Mr. Ammann, has retired, and is succeeded by H. G. Evans.

OWENSBORO, KY.—J. A. Tapscott and brother will open a florist store at 329 Frederica st. The new store will be opened under the active management of Miss Turns of Louisville, who has had a great deal of experience in such work. Mrs. Tapscott will superintend and be at the head of the store.

BEAUMONT, TEX.—Mrs. Bessie Weisenger, who conducts an extensive florist business in this city, has recently remodeled and greatly improved her office and salesrooms on Orleans st. This was formerly used as a greenhouse as well as exhibit room, but Mrs. Weisenger has abandoned the greenhouse feature and intends to use the place wholly for exhibition and office purposes. A new floor has been added and the place thoroughly renovated and painted, and it is now very attractive.

Lansdowne, Pa.

Aug. Doemling is busy repairing his range of some 50,000 sq. ft. of glass, and getting in readiness for the Winter trade. He is also getting his dwelling in shape for the home coming of his family, who have been abroad all Summer.

Wm. B. Hoffman reports the arrival of another boy some eight weeks ago—Frank Leonard Hoffman. Mr. Hoffman does a wholesale business in 'Mums, Sweet Peas and Kaiserin Roses; the 'Mum crop shows wisdom of being among the "top notchers."

Wm. A. Leonard has about finished a new house, 59x300 ft., which will be devoted to Roses; and he has installed a new boiler, large enough to take care of all his present glass and proposed future building. He and his family spent the greater part of the Summer at a seashore resort, and a heavy coat of tan shows that he enjoyed the vacation.

The A. J. Pennock Co., Hilldale Greenhouses, is making considerable repairs to its houses, which are devoted to Roses, Ferns, Asparagus and Asters. A large Peony field of 3000 clumps produced some 40,000 blooms and this was considered good for the fifth year of growing.

J. H. Bartram has some 45,000 sq. ft. of glass devoted to Roses, and he finds the My Maryland an excellent grower, and has a very satisfactory crop. He has been here some 15 years and makes a leader of American Beauty, although numbers of Kaiserin, Richmond and other Roses are grown. E. C. McDaniel, formerly of Summit, N. J., is foreman, and with the assistance of five men is making great headway in producing good stock. One new house, 77x200 ft., was erected last season. The stock is shipped to four markets, New York, Brooklyn, Pittsburgh and Philadelphia.

Wm. J. Riehle is devoting all his 8000 sq. ft. of glass to Sweet Peas this Fall, as an experiment. Mr. Riehle was formerly a Carnation grower, and has been here for the past eight years. P. M. R.

FERNS Ferns from Bench

Boston, Elegantissima, 3-in., 6c.; 4-in., 10c.; **Runners**, $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.
Amerpohli, 3-in., 8c.; 4-in., 12c.; **Runners**, $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.; **Runners**, $10.00 per 1000.
Giant Snapdragons from field, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 30c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea**, 2-in. pots, $2.00 per 100; **Carminea**, 2-in. pots, $3.00 per 100.
DOUBLE ALYSSUM, 2-in., $2.00 per 100.
FLOWERING BEGONIAS, 2½-in., $2.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; **White, Pink, Red**, and **Yellow**, $22.50 per 1000.
SINGLE HOLLYHOCKS, Mixed Colors, $20.00 per 1000.
DIGITALIS GLOXINIÆFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS**, all from field, $1.00 per 100.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

250,000 **Ligustrum Ibota** Seedlings, from 10 to 24 inch, 1 year.
50,000 **Ligustrum Ibota,** 2 years transpl. 2½ to 3 feet bushy.
5,000 **Eulalia Zebrina,** E. jap. var. E. gracillima.
1,500 **Spirea van Houtii,** 3-4 feet.
7,000 **Populus fastigata** (Lombardy) 6-8 feet.
200 **Pyrus Malus** (Flow Crap) in 4 var. 6-8 ft. pyr. form.
250 **Magnolia,** in all leading sorts, 6-8 ft., pyr. form, well budded.

ALL EXTRA FINE STOCK. FINE ROOTS.

There are other things we have. Let us quote you close prices.

THE HORTICULTURAL CO., WORCESTER, MASS.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings ready last of October.
NUTT and **BUCHNER**, $10.00 per 1000.
POITEVINE, RICKARD, DOYLE and others, $12.50 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: **Nutt, Buchner, Viaud, Castellane, Jaulin, Doyle, Grant, Ricard** and **Poitevine**, $10.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

Strong 3-in. **Nutt** and **Ricard**, $2.50 per 100, $20.00 per 1000; 2-in. **Nutt, Buchner, Ricard**, $1.50 per 100. Transplanted Rooted Cuttings, strong, of all Standards, $12.00 per 1000, $1.50 per 100. Cash, please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Beaute de Poitevine, John Doyle, La Favorite, Jean Viaud, A. Ricard, Castellane, Madam Lantry, E. G. Hill.

2½ inch $25.00 per 1000

Ready in November

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

GERANIUMS

ROOTED CUTTINGS.

Cheaper than the Cheapest, Good as the Best.

S. A. Nutt	$11.50 per 1000
Ricard	14.00 per 1000
Poitevine	14.00 per 1000

Grown right—Rooted right
Packed right—Named right.

All sold until Nov. Better get your order placed for Nov. delivery.

COLEUS

Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Headquarters for Rooted Cuttings.

Fine stock, ready for shipment, including **Nutt, Ricard, Poitevina** and **Doyle**, $10.00 per 1000.

Transplanted Stock, same varieties, $12.00 per 1000.

CASH WITH ORDER

Peter Brown, LANCASTER, PA.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and **Golden Gate**, 3-in., $5.00 per 100; **Killarney**, 5-in., 35c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellanne, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C.**, $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By first-class storeman and decorator. High class store experience. Address "F", 217 West 68th st., N. Y. City.

SITUATION WANTED—By young man as designer, able to do first-class work. Only good steady jobs considered. Address H. G., care The Florists' Exchange.

SITUATION WANTED—By A 1 designer and decorator with 10 years' experience. First-class references. Address Edward Lewis, 511 Lenox ave., New York City.

SITUATION WANTED—By A1 designer and decorator. Able to take charge. First class references. Address P. Olsen, 483 Willis Ave., New York City.

SITUATION WANTED—By florist, American, married, sober; general man, who has had some business experience. Good wages expected. Address H. Q., care The Florists' Exchange.

SITUATION WANTED—By a thoroughly competent man with 10 years' experience in the wholesale cut flower business in New York. Address H. N., care The Florists' Exchange.

SITUATION WANTED—As head gardener or first assistant; 10½ years' experience in all branches; lowest wages accepted, $65.00 per month. Address H. K., care The Florists' Exchange.

SITUATION WANTED—In New York retail flower store by gardener who has some experience in that kind of work; advertiser is sober and reliable. Address H. P., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, married; A1 man on all kinds of flowers and vegetables. Position expected as foreman or headgardener. Address R. Wittman, 411 Greenwood ave., Brooklyn, N. Y.

SITUATION WANTED—As designer and decorator by gardener and florist; 22 years of age, single, German. Have been employed in largest houses in Germany. Address H. J., care The Florists' Exchange.

SITUATION WANTED—By young man, experienced in general greenhouse work and landscape gardening. Please state wages. Address O. Fink, 164 Himrod st., Brooklyn, N. Y.

SITUATION WANTED—As foreman by expert grower of cut stock and pot plants; also experienced in floral work. Would like charge of houses. Married; references. Address H. D., care The Florists' Exchange.

SITUATION WANTED—As head gardener or foreman; life experience. Single, aged 30, Englishman. First-class references. Private place preferred. Address H. O., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist with 1½ years' experience in outside work. Willing worker. Moderate wages accepted. References. Address Fritz Alquist, 76½ Witherspoon st., Princeton N J

SITUATION WANTED—By experienced grower of Carnations, 'Mums, Roses, etc., as foreman on private or commercial place; married. References. Eastern location preferred. Address G. E., care The Florists' Exchange.

SITUATION WANTED—By young American in a greenhouse with chance to learn the trade. Some experience at outside garden work. Hard worker, sober, honest. Best of references. Address H. C., care The Florists' Exchange.

SITUATION WANTED—By young man, four years' experience—mostly Roses—who wishes to work till two-thirty afternoons in return for board or its equivalent in money. District Boston to Richmond. Address G D., care The Florists' Exchange.

SITUATION WANTED—By young lady with years of experience in leading stores of European cities on cut flowers; advertiser is an A1 designer and decorator and not afraid of work. Best of references. Address Miss B. Link, 76 2nd Place, Brooklyn, N. Y.

Continued to next Column.

SITUATIONS WANTED

SITUATION WANTED—As foreman or manager of commercial place by young married man, recently in business for himself, competent to handle wholesale and retail trade. Bedding out, landscaping, etc.; accustomed to either steam or hot water heating. Good wages expected in return for faithful service. Address H. F., care The Florists' Exchange.

SITUATION WANTED—As working foreman by a German florist and gardener; 30 years of age, married. Good grower of Roses, Carnations, 'Mums, all kinds of bedding and pot plants. Successful propagator and good designer, plant and table decorator. Can take charge of any place and start at once. Position not over 20 miles from New York preferred. Best of references as to character and ability. Address H. L., care The Florists' Exchange.

SITUATION WANTED—By young man, American, strictly temperate and reliable; a number of years experience in Carnations, Roses, 'Mums and Violets, also bedding plants. Advertiser expects position on an up-to-date retail place where first-class stuff is grown; not less than 20,000 feet of glass. Good references can be furnished. Please state wages and full particulars in first letter. Address, F. C., care The Florists' Exchange.

HELP WANTED

WANTED—Boy for flower store; one with some experience in stemming and making up. Call or write Kennedy & Hunter, 156 W. 34th st., N. Y. City.

WANTED—Rose Grower, practical man, married preferred. No booze-fighter. Wages to start $65.00. F. Fallon, Roanoke, Va.

WANTED—Designer and decorator for high class trade. Good wages to right kind of man. Address Idle Hour Nurseries, Macon, Georgia.

WANTED—Experienced men for sections in Carnation Range. Give references and state wages expected in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. Edw. J. Taylor, Greens Farms, Conn.

WANTED—Single American for general greenhouse work. State wages and references. Address A. H., care The Florists' Exchange.

WANTED—Experienced men for sections in Rose Range. Give references and state wages in first letter. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—Night fireman, 7 nights a week, must have some knowledge of pumps and steam fittings. Marine boilers used. State references and wages wanted. The Florex Gardens, North Wales, Pa.

WANTED—First-class man to take charge of Carnations and Violets. Modern, up-to-date houses. A good permanent position to capable man. Honaker Bros., Lexington, Ky.

WANTED—A sober and industrious man who has had experience in general greenhouse work. Must be sober and industrious. Wages, $50.00 per month. Address H. E., care The Florists' Exchange.

WANTED—A young man with four or five years' experience for our vegetable seed department. Apply by letter only, giving full particulars. R. & J. Farquhar & Co., Boston, Mass.

WANTED—Assistant for general greenhouse work on up-to-date place; good position for right party; married or single. Address "Middle New York," care The Florists' Exchange.

WANTED—Single gardener for small private place, country; greenhouse, lawns and flower gardens. Write giving experience, references and salary without board. Address H A., care The Florists' Exchange.

WANTED—Warehouseman and stock clerk experienced in the filling of grass seed orders and the care of stock in warehouse. Must be strong, active and willing to work. Apply by letter only, stating experience. R. & J. Farquhar & Co., Boston, Mass.

WANTED—A good Carnation Grower; one who can give results and capable of taking full charge. Good wages given to a competent man. State where previously employed and wages expected. Address A. G., Florists' 141 Burlington st., Woburn, Mass

WANTED—By large Greenhouse Plant, night man who has had experience as greenhouse fireman. Must understand thoroughly the handling of large horizontal tubular boilers. Give references and wages expected. Address S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A bright boy for a wholesale florist. A quick active young man who is not afraid of work and can write a neat hand preferred. State age, wages, experience in the florist trade, reference and full particulars. Good opportunity. Address H. H., care The Florists' Exchange.

Continued to next Column.

HELP WANTED

WANTED—An experienced man to grow Roses and to assist in general greenhouse work. A permanent position for a capable, temperate man. In writing state wages expected and where employed in Rose growing. Address, G. Q., care The Florists' Exchange.

WANTED AT ONCE—An energetic young gardener, able to take charge of men, and well versed with planting, pruning and willing to work himself ahead. A good opening to the right man. Apply with references and wages expected to start in first letter.
The Horticultural Co., Worcester, Mass.

WANTED—Gardener, married without children, to take charge of gentleman's place, including gardens, chickens, cows and care of grounds, located within 25 miles of New York on Long Island. Wages $60.00 per month with house, coal and light. State nationality, references and experience. Address H. B., care The Florists' Exchange.

WANTED—A competent young man of good address who knows nursery stock, for office work and soliciting business outside as opportunity permits. First class New York office. Give experience, references and salary that you can earn. Address H. R., care of The Florists' Exchange.

WANTED—Married man with small family, man to work in greenhouses, wife to run boarding house for about 12 men, free rent and fuel very cheap. Address CRYSTAL FARM, Gibsonia, Pa.

WANTED

Professional decorator and maker-up to furnish descriptive articles in his line for The Florists' Exchange. All communications absolutely confidential. Good remuneration.

Address, Editor FLORISTS' EXCHANGE, P. O. Box 1697, New York City.

Seedsman Wanted

Energetic young man who knows the seed business thoroughly, to organize and manage a seed department for a well-established nursery business. Address giving full particulars.

Elliott Nursery Co., Pittsburg, Pa.

STOCK FOR SALE

CARNATIONS

FIELD GROWN CARNATION PLANTS
500 Enchantress, 200 Victory, $3.00 per 100.
Kuhne Bros., Hicksville, L. I.

FIELD GROWN CARNATION PLANTS
Harlowarden, first size, Lords and Queen Louise, second size, only $25.00 per 1000.
F. B. Abrams, Blue Point, L. I.

CARNATIONS—Field grown, Lloyd, $5.00 per 100, $45.00 per 1000. Second size, $3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

CARNATIONS—Extra large and strong field grown stock; Enchantress, $6.00 per 100. Crocker, Queen and Prosperity, $5.00 per 100. W. C. Pray, Dobbins P. O., N. J.

EXTRA FINE CARNATION PLANTS
4000 Queen, $50.00 per 1000
4000 Lawson, $50.00 per 1000
Rowayton Greenhouses, Rowayton, Conn.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $6.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

CARNATIONS—1000 plants of Imperial, the Christmas money maker; $6.00 per 100, $50.00 per 1000. Also a few plants of O. P. Bassett and Mrs. J. C. Vaughan. Chas. Weber, Lynbrook, L. I., N. Y.

CARNATION PLANTS
Extra fine field grown: Queen and Lady Bountiful, $5.00 per 100.
Wm. N. Blackmon & Son,
Centre st., below Lalor st.,
Trenton, N. J.

Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in this column.

Continued to next Column.

STOCK FOR SALE

CARNATIONS

STRONG FIELD GROWN CARNATION PLANTS
Kanarle Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.
Henry Schrade,
Saratoga Springs, N. Y.

FINE CARNATION PLANTS

Field grown Queen Louise, Lady Bountiful, Red Sport, 3-in pots Lawson, Var. Lawson, White Lawson; all clean and perfectly healthy stock, $4.00 per 100, $35.00 per 1000. Cash with order. Virginia Nursery Co., Purcellville, Va.

MISCELLANEOUS

ENGLISH IVY
Now ready, $6.00 per 100.
Jos. Wachtel,
Catharine st., Jamaica, L. I.

FOR SALE—Asparagus Sprengeri; prime plants, ready for 8 in. pots or for quick results in cutting, $8.00 per 100. Cash please. S. E. Boyden, Holden, Mass.

STOCK FOR SALE—Pansy Plants, $2.50 per 1000; not less than 5000 mixed colors. Mrs. Geo. Fick, 153 Paterson Plank Road, North Bergen, N. J.

FOR SALE—800 Bouvardia Plants, white and pink mixed, with a good ball of soil. A. L. Brown, 188 Davis ave., Kearney, N. J.

BOUVARDIA JASMINIFLORA, (white) large strong plants, field grown, $22,50 per 100. Cash with order. Petersen, 79 Central ave., Flushing, N. Y.

STOCK FOR SALE—Clematis Paniculata, extra strong roots, $8.00 per 100. Cash with order please. Michael Haugh, Walnut Tree Hill, Sandy Hook, Conn.

STOCK FOR SALE—Smilax, 2½-in. pots. $16.00 per 1000. Cash with order from unknown parties. Alex. A. Laub, Succeseor to A. Laub & Son, New Hamburg, N. Y.

WANTED
I have 2000 'Mums and 3500 Carnation Plants and would like to correspond with some retailer wishing to take the cut for the season. Address A. E. Ryan, Cortland, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

PRIMULA OBCONICA—The very best flowering varieties, strong healthy plants, ready for 4 in. pots, $4.00 per 100, $30.00 per 1000. Cash with order. Henry Rudolph, Essex Fells, N. J.

STOCKY strong plants of Daisy Snowball (white) Longfellow (pink) and Double Sweet, William, 50c. per 100, $1.00 per 250, $3.00 per 1000. Double Wallflower strong, 12 inch high, $2.00 per 100. R. Monaghan, Abington, Pa.

VIOLET CLUMPS

Princess of Wales and California Violets, extra fine field grown clumps, $4.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

BEGONIA.—Flowering, 15 varieties, fine plants, some kinds in bloom, $5.00 per 100; try them. 3000 Ferns, large bushy plants from benches or pots, Boston Scottii, Whitmani, Elegantissima, etc., 15-25-30-35 cents each. A special bargain. Alonzo J. Bryan, Washington, New Jersey.

PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. ASPARAGUS Plumosus, 3-in., $4.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

STOCK FOR SALE—Peppers and Primroses, fine Christmas Peppers, well berried, in 5 inch pots, $1.50 per dozen, in 6 inch pots, $2.00 per dozen. Chinese Primroses, fine strain 3 inch, ready to shift, $4.00 per hundred. Obconicas, best strain, $3.00 per hundred. Cash or reference. John Lawrance, Ogdensburg, N. Y.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

FOR SALE OR EXCHANGE
Any part, several thousand best hardy white **Phlox, Mrs. Jenkins, Independence** and **Stella's Choice,** strong undivided, 1 yr. field roots, 75c. per doz., $5.00 per 100. Extra heavy 2 yr. clumps, $1.00 per doz., $7.00 per 100.
Want Phlox in exchange, particularly fine named Scarlet, but will consider any choice variety, not white. Samples exchanged.
Amon Heights Nurseries,
Merchantville, N. J.

Continued to next Page.

STOCK FOR SALE

MISCELLANEOUS

Strong full grown Phlox, $3.50 per 100. Boule de feu, bright red; Athis, pink; Jeanne d'Arc, white; Josephine Gerbeau, white, red eye; Eclaireur, red white markings.

Peonies, 3 to 5 eyes, fine varieties, $6.50 per 100.

Festiva Maxima, $10.00 per 100.

Sunnyfield Nursary Co.,
Pougbkeepsie, N. Y.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $60.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

Cosmos Wanted

We wish consignments of first class Cosmos. Also Chrysanthemums. Good prices and prompt settlements.

A. L. YOUNG & CO.,
Wholesale Florists 54 W. 28th St., N. Y. City

FOR SALE OR RENT

FOR SALE AT A BARGAIN—Terms easy. Greenhouses 6000 ft. of glass, barn, with living rooms on second floor. Address H. M., care The Florists' Exchange.

FOR SALE—Nursery and stock. Can lease ground, one acre, for five years. Address, L. D. Jackson, 1932 Trinity st., Los Angeles, Cal.

FOR SALE OR RENT—Florist establishment, 500 feet of hot houses, work room, stable, boiler and heating plant complete, modern dwelling, 9 rooms; one acre; close to station and 9 miles from Philadelphia; must be sold. Price only $6000; $1000 cash. Geo. M. Aman, 1201 Chestnut st., Philadelphia, Pa.

FOR SALE—2 greenhouses, two lots, 200x50, dwelling partly built, new sewers, walks, boiler, boiler house, office with good cellar. Every place well stocked. Will sell all tools, stock and everything as it stands. All built within this year for $4500 (four thousand five hundred). One thousand down; rest easy payments or a good florist to take 50 per cent. and run it or will rent. Caroline V. Proper, 46 Birch st., Kane, Pa.

FOR SALE—Greenhouse establishment with four well stocked semi-iron frame greenhouses, good barn and out-buildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last four years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address D. J., care The Florists' Exchange.

FOR SALE On account of death of husband, the widow offers for sale six greenhouses, 70 feet long and from 14 to 28 feet wide, a dwelling house of eight rooms with all modern improvements, barns, sashes, three acres of land, part in orchard, and the rest under cultivation. Terms to suit the buyer.

H. KUHNERT & SON
HACKENSACK, N. J.

MISCELLANEOUS WANTS

WANTED TO LEASE—For a term of years 2 or 3 greenhouses (5-6000 feet of glass) and about 2-3 acres of land, convenient to New York market. Edouard Matthes, Woodside, L. I.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

SUNDRIES FOR SALE

FOR SALE—Two Florist Wagons with top and two open wagons at a bargain. Randolph & McClements, Pittsburgh, Pa.

FOR SALE—3000 second hand Model Carnation Supports, in good condition at $10.00 per 1000. Henry Holzapfel, Jr., Hagerstown, Maryland.

FOR SALE—Rider Compression Hot Air Pumping Engine, 6 in., cost $240.00; will sell for $50.00. Dean Ferris, Peekskill, N. Y.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3250 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 68 Troutman St., Brooklyn, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Comp) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Boynton hot water boiler, No. 178; ten sections. Used two seasons. Good as new; price $160.00. Joseph Wood, Spring Valley, N. Y.

FOR SALE—At a bargain a steel galvanized-iron Wind-Mill Tower. 75 ft. high; tank capacity, 5000 gallons. Also a 2½ h.p. Mertz & Weisse kerosene engine. Everything in perfect condition. Address Lucas V. Beau, Larchmont, N. Y.

FOR SALE—Glass in all sizes, boilers, pipes, ventilating apparatus and sash. Greenhouse material of all descriptions, very cheap; complete greenhouses a specialty. Suesserman, 229 Livingston Street, or P. O. Box 293, Newark, N. J.

FOR SALE
1 Cottage Boiler as good as new.
400 feet 2 inch pipe.
A lot of 1½ inch pipe.
20,000 2½ and 2 inch pots.
2500 4 and 3½ inch pots.
A lot of 10x12 glass, double thick.
Jacob van Til,
66 Grinnell ave.,
Corona, N. Y.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $25; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
15,000 sq. feet 10 x 12 double thick glass,
15,000 sq. feet 1½, 2 and 3-in. pipe,
6,000 flower pots, asst. sizes.
Three large boilers (hot water) sash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 6.45c. per ft.

26,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA.

Westchester Agricultural Show

The North Westchester Horse and Cattle Show is to be held at Mt. Kisco, N. Y., Sept. 29, 30 and Oct. 1. Agricultural and horticultural exhibits are to be features of the exhibition.

Detroit

Business conditions of last week were very unfavorable and of the kind which accumulates surplus. The latter was especially heavy in Asters. Fortunately, a bevy of young girls arranged to sell flowers on the street last Saturday for the benefit of an institute for crippled children and, while some retailers donated a great number of Asters, the surplus in the wholesale houses was worked off by legitimate sales for this purpose. As a final result these young ladies gathered in over $400.

The arrangement of local retail stores will be changed to quite an extent when the season reopens. Several new stores will bring this about, but none of us feel in anyway disturbed, simply because this city has almost doubled its size in the last ten years without adding a single flower store. On the other hand, these new stores, while they will probably sell at lower prices than old established houses, are evolutions of former street stands, thereby eliminating this so disturbing element and placing the whole retail business on a more equitable basis.

John Klang, formerly with John Breitmeyer's Sons will, associated with Mr. Rockelman, open a store at Forest and Chene sts., thereby entering a very prominent retail mart of the principally Polish section.

Mr. Hofforth who kept a stand at the Standard Drug Store, has rented a store two blocks further up Gratiot ave.

Miss Clara Rauss, formerly at John Breitmeyer's Sons, and her sister Lillian, formerly with Mr. Hofforth, are fixing up a place at the Standard Drug Store for an uptodate flower department.

Miss Holzhauer, an old hand in the flower industry, is trying to divide favors with Schroeter, Fetters and Sullivan by locating right in their midst on John R. st., between Woodward and Farmer sts.

FRANK DANZER.

Kalamazoo, Mich.

With the returns from vacations and the opening up of the schools business shows some signs of improvement, especially in the Fern and Palm line. The bulb trade is starting up again, but as the outdoor flowers are now looking at their best bulbs will have to wait awhile before being extensively planted. We have had good rains of late which, combined with fine weather, have proved of great benefit to late crops.

Indoor planting was finished early this year, and everything is growing nicely, and at the present time sufficient stock is on hand for all needs. 'Mums are progressing finely, and in a week or so will be on the market. Roses are in fine shape and cheap at 50c. to $1. A few Carnations are to be seen, of fair quality, but, of course, Asters rule the roost for general purposes. Van Bochove's are showing some excellent coloring and size.

Van Pennan & Newland have about 10,000 Carnations planted in their new plant, and will have one house to Sweet Peas, Violets, etc. They are now busy installing the heating apparatus, and last week received a 40 h.p. boiler and supplies; steam will be used. Ground is being broken on the land for the erection of a dwelling house for the proprietors, and in a short time Kalamazoo will have another uptodate plant in full running order. Both the proprietors are active and hustling young men and will doubtless produce stock of a quality as good as the best.

A. Grofvert has planted as nice a lot of Carnations as I have seen this season, and at the present time has a good sprinkling of flowers, on good stems. The district around him is a growing one and as his location is about as good as any in this city he finds trade increasing and promising well for the coming season.

S. B.

CLUBS and SOCIETIES

Elberon (N. J.) Hort. Society

At the meeting held Sept. 19, President Peter Murray in the chair, A Bauer read a report on the clambake which was satisfactory to the Society as it turned out all right financially. All members of the Society are advised to be present at the next meeting as the nomination of candidates for officers of the Society for the next term will be made.

The following points were awarded: D. Kelley, 85, Roses; C. Duncan, 80, Pumpkin; Wm. Seymour, 75, Celery; A. Bauer, 75, Tomatoes.

Wm. Tucker of Arlington, N. J., was awarded a certificate of merit for a new Aster, St. Eywin.

ALEX. FLEMING, Rec. Sec.

Newport (R. I.) Hort. Society

The annual ball by the above Society was held on Tuesday, Sept. 20, and was a success. Masonic Hall, where our exhibitions are held, was used for the occasion. For the decorations of the platform Palms and other plants were left for this purpose on the closing of the show the day previous. The grand march was led by Vice-President John A. Forbes, with Mrs. James Robertson, wife of the president of the Society, and from that time until the final and 24th number, Mr. Forbes, as floor manager, kept things on the move. The reception committee consisted of Messrs. James J. Sullivan, Bruce Buttedon, James McLeub, Andrew K. McMahon, Richard Gardner and Alex. MacLellan. The committee of arrangements, headed by the president, made it possible, through their earnest endeavors, for all present to have a thoroughly enjoyable time.

A. MacL.

Detroit Florists' Club

The Detroit Florists' Club had a most interesting meeting, the first one with the new officers in the chair. To the great surprise of many, cigars were passed around for Theo. Mitchell who, all of a sudden, had joined the benedicts.

M. Bloy read an interesting paper on his observations at the last S. A. F. convention; he greatly admired the success of the exhibition committee which, under most adverse circumstances, managed to place so many exhibits at the same time, illustrating the necessity of carefully weighing the opportunities given for exhibition purposes before deciding the meeting place.

He dwelt at length on many of the exhibitions in Crotons, Ferns, Gladioli and others, specially mentioning that of the florists' supplies, which were so tempting as to endanger many an otherwise secure bank account.

The beautiful flower beds and other landscape effects in public as well as private gardens of Rochester were highly commended, and he closed with an expression of regret that our climatic conditions did not allow the successful growing of Begonias.

Elmer D. Smith of Adrian exhibited two dozen of white and shell pink Asters which, even at this late date, were 3 in. in diameter with 18-in. to 24-in. stems; they elicited the admiration of all.

FRANK DANZER.

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Albany Florists' Club

Excellent progress is being made by the Albany Florists' Club in its preparations for the second annual flower show to be held in the State armory under the auspices of one of the organizations connected with the Tenth regiment, during the second week in November. Announcement has been made that eleven cups have been donated for prizes. The cups will be awarded in several classes, which will include groups of Palms, Orchids and plants arranged for effect, vases of Carnations, Roses and Chrysanthemums.

In addition to the cups the committee on premium list has reported that money prizes and the diploma of the Florists' Club will be awarded in several classes. The amount available for premiums will be greater than last year, when $239 was given to exhibitors.

It is expected that the show will be held on Thursday, Friday and Saturday, November 10, 11 and 12, and if the dates are approved by the armory authorities, the show will be held then.

Nassau County (N. Y.) Hort. Soc.

The regular meeting of this Society was held at Glen Cove on Wednesday, Sept. 14. Winners of the monthly prizes were as follows: Best 3 Melons, S. J. Trepass; best 6 Peaches, J. Duthie; best 6 Apples, G. Wilson. Cultural certificate to J. F. Johnston for Onions, splendid specimens of enormous size. Hon. mention to G. Barton for Pears, and to J. Petroccia for Celery. Prizes for next meeting will be for 12 Gardenias, 12 Peony-flowered Dahlias, and best head of Cabbage. In the afternoon a lecture was given on "Gardens of Italy," by Mr. Farquhar of Boston, to the members and friends of the Society, at the Opera House. The views shown were exceptionally fine; it was just like walking across the finest gardens of Europe with a guide explaining the different places. The lecturer was quite at home with his subject, going into the most minute details of everything of interest to horticulturists, and giving us a complete history of gardening from its earliest stages up to the present date. A most hearty vote of thanks was extended to Mr. Farquhar for such a treat, he coming all the way from Boston to do so.

O. E. ADDOR, Cor. Sec.

Pacific Coast Horticultural Society

A regular monthly meeting of this Society was held in Poleta Hall, San Francisco, on Sept. 3, President Mataria in the chair. It was announced by the president that all arrangements had been completed in connection with the Society's annual exhibition, to be held in the Hotel Fairmont in October and that everything pointed to this year's exhibition being one of the most successful ever held by the Society. On the motion of the president it was decided to hold the next meeting in the form of a "stag party," as that meeting would be the last one previous to the exhibition. Mr. Mataria also stated that he had a special treat in store for members, and that he had engaged a well known dancer for that evening.

On the exhibition table was noticed a fine specimen of Gymnogramme biaurita argentea from H. Plath of Ocean View, which was very favorably commented on. Dendrobium densiflorum was shown by the MacRorie-McLaren Co.; while Richard Diener of Colma had a very nice collection of Cactus Dahlias on the table, which included several new sorts of his own raising.

It has always been the custom of the Society to present prizes to those members who gain the largest number of points on exhibits brought to the meetings each year, and it is pleasing to know that this interesting feature will be continued during the coming season. This year two handsome silver cups were donated for competition by Daniel McRorie and H. Plath, which were won by R. Kettlewell of San Mateo and Richard Diener of Colma. T. F. Taylor, who made the presentation to the winners on behalf of the donors, referred to the high standard of the exhibits during the past year, and hoped that the same degree of excellence in the exhibits would be seen during the coming season.

W. McM. B.

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Sept. 28.—Dahlia Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Grand Rapids, Mich., Sept. 27, 28 and 29, 1910.—Meeting and Exhibition of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. S. W. Severance, Louisville, Ky., secretary.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., Oct. 26 and 27, 1910.—Tenth annual Fall exhibition of the Lenox Horticultural Society, to be held in the town hall. George H. Instone, secretary, Lenox, Mass.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

Yonkers, N. Y., Nov. 10-11, 1910.—Ffrst Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

The National Nut Growers' Assoc.

The ninth annual convention of this Association is scheduled to be held at Monticello, Fla., Nov. 1 to 3, 1910. All interested in the raising of nut trees should attend. The secretary of the Association is J. F. Wilson, with address at Poulan, Ga.

The New Fern NEPHROLEPIS DREYERII

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NEW YORK, Sept. 21.—The finish of the Gladioli season and the waning supply of Asters, together with the fact that the influx of Dahlias is not as yet very heavy and the 'Mum supply as yet light and the Carnation supply increasing very slowly, prevent anything like an overloading of the market this week. There is enough, however, to meet all demands, and only a slight tendency to advance prices.

The bulk of the supply of American Beauty Roses now coming in is of the shorter grades. Specials are bringing 25c. each in small sales, and 15c. to 20c. each in larger lots. A clean up is effected, not because the demand is strong but because the supply is moderate. Of all other Roses there is a fair supply coming in and the demand is sufficient to bring about a clean up, but only by many concessions in price on the poorer grades of blooms. The best blooms of Killarney, My Maryland, Kaiserin, Bride and Bridesmaid are selling for 5c. each, and Richmond at 3c. each. Some extra choice My Maryland realize a little higher figure. My Maryland, pink Killarney, and Kaiserin are the best selling propositions.

The Carnations now arriving show improvement in quality, but not much increase in quantity. The demand is not brisk; the best blooms are bringing 2c. each.

In Orchids a greater variety is arriving; the quality has decidedly improved, and the demand has increased, but in prices there is little change; the best Cattleyas realize 60c. each. Some nice Gardenias are coming, in numbers sufficient to supply all buyers; the best blooms bring $2 per dozen and the poorer flowers sell way down to unquotable prices. There are only a few Lilies in the market today, and the price is firm at 10c. each; an increased supply is soon expected. Lily of the Valley is abundant and moves quite slowly at $3 per 100 for the choicest blooms, but most sales are on a $1 to $2 basis.

Golden Glow 'Mum came into the market early this year; the sales were sluggish, and a consequent beating down of the price resulted. This fixing of a low price tends now to cause the buyer to expect the same low price on such fine varieties as Marquis de Montmarte now arriving; the supply is only moderate, but sales are slow, the best blooms realizing $2.50 per dozen, but in most sales the price does not get beyond the $2 mark.

Dahlias are moderately plentiful, and the sales are large. The price for the best is $3 per 100. This quotation does not include a few sales of some extra choice varieties, which realize as high as 8c. each.

The supply of all greens is abundant and the movement very sluggish. Asparagus plumosus meets with the most favor with buyers.

PHILADELPHIA, Sept. 19.—Today the cut flower market appears to have gotten out of the doldrums, and to be feeling the influence of a fair wind, but whether, when it encounters the Dahlia and the Chrysanthemum gales, it will be driven back again no man can surely prophesy. He can only be thankful for the present, and hopeful for the future.

American Beauty Roses, the thermometer of the cut flower market, are increasing in number, and improving in quality, and the demand is such that the prices are firm. Specials are selling for 25c. each, and culls and ordinaries bring from 5c. to 8c. each. There is a good supply now arriving of all the other Roses, and the demand is brisk enough so that they are sold without a sacrifice being made in price in order to effect a sale. Just at this time pink seems to be the favorite color, and in that color My Maryland and Pink Killarney are preferred. White Killarney is not very abundant, but Kaiserin, still the favorite white, and Bride easily supply its place. Richmond is improving in quality and both demand and price are better. The highest grade of flowers of each is selling as follows: Pink Killarney, My Maryland and Richmond, 8c. each; White Killarney, Kaiserin, Perle, Golden Gate, Mrs. Jardine, Bride, Bridesmaid, 6c. each; while the lowest grade of each realizes about $2 per 100.

The supply of Carnations is more plentiful and the quality better and they are taking the place of the waning Aster. They are moving moderately well at 2c. each for the best blooms.

The Orchid supply is more plentiful; the color and size of the flowers have improved, and the demand is stronger, hence prices are firm at 60c. to 75c. each for the best Cattleyas. Gardenias are increasing in number and quality, and are finding more favor with buyers, but not to such a degree as to advance the price; $1.50 per dozen is the price for the best blooms. The supply of Lilies is not over abundant, and they clean up nicely at $1.50 per dozen for the best flowers. Lily of the Valley is in good supply and moving well at $2 to $4 per 100.

The supply of Asters has greatly diminished, and Gladioli are about over with. The few good blooms of each available sell readily at 2c. for the Asters, and 4c. for the Gladioli. The Dahlia supply is daily increasing, and such varieties as Jack Rose, Hussar, Lyndhurst, Yellow Bruton, White Century, and Kriemhilde are coming in. They are selling moderately well; and the best blooms bring $3 per 100.

Early 'Mums, mostly Golden Glow, are selling not over briskly at $2 per dozen for the very best. A few single Violets have arrived, but not enough to quote prices on. Asparagus is the favorite green, and prices on it, and also on Adiantum and Smilax show an upward tendency.

BOSTON, Sept. 20.—The market bas been fairly good this week although business has not improved materially yet, and there is very little variety of flowers, probably less now than at any time of the year.

Roses are more plentiful, some of them having quite good stems. The Rose buds are getting somewhat larger and there is general improvement in the stock. Kaiserin are the favorites. Aaron Ward Roses have fine stems, 21 in. in length; it is as popular now as it was last Spring. Prices on Roses are a little lower this week.

Carnations are getting more plentiful and each week from now on the supply will be increasing and the quality improving. Prices go from 1c. to 3c. each.

Asters are quite plentiful but the quality is not as good, owing to the rainstorms we have had lately. Prices are much lower, 25c. to 75c. per 100; fancy bring $1.

Lilies are more plentiful and lower in price. Lily of the Valley is quite good and prices do not change very much.

Sweet Peas are played out; there is no demand for the few coming in.

Orchids have been quite scarce but the indications are that they will be more plentiful by another week. Chrysanthemums are becoming more plentiful, especially the yellow varieties.

Asparagus and Smilax are quite plentiful with demand slow. Gladioli are getting scarce and in less demand; prices lower. R. C.

CHICAGO, Sept. 20.—There are no advanced prices, although stock has shortened materially in some lines since last report. There is not an abundance of Roses as a week ago, although enough to supply all requirements. Some very good Roses in nearly all varieties are available. American Beauty especially shows a marked improvement each week, and the same can be said of Richmond, Mrs. Marshall Field and the Killarneys. Kaiserin, with some, is off crop, this early in the season. Bride and Bridesmaid, while not being grown so extensively this season, are coming on fine. Carnations are improving and are in better supply. In the reds, O. P. Bassett is superior in both flower and stem, stems already being cut 16" and 18", and 3c. each is easily obtainable for them. Enchantress is also good, with Lawson and White Perfection not far behind. All fancy Carnations are bringing 3c.

There are very few Asters on the market now and only part of them can be classed as good. Chrysanthemums are arriving much better in quality, and it is hardly possible that any finer blooms of the early varieties, such as Golden Glow and October Frost could be found at any later period. Of course, there are plenty that are not so well developed, and prices range accordingly, although the demand as yet is not brisk.

Gladioli are decreasing in quantity, although there are sufficient for all requirements. Lilies are, perhaps, the scarcest flower at present. This week some skirmishing around is required to find enough to fill orders; very few L. auratum are seen anywhere. Lily of the Valley continues to arrive in larger quantity, and greatly improved in quality.

Dahlias, while obtainable, are not much in demand, and the wholesalers do not care to handle them in any quantity.

Orchids are still not as abundant as would be wished, although each day finds an increase in the supply of Cattleyas; other varieties are to be had, but are not used to the same extent.

Only a limited selection of miscellaneous stock is in evidence. Autumn leaves are seen, although it is a little early for a demand. All green stock is good and in abundance.

ST. LOUIS, Sept. 19.—Trade conditions are much the same as the week previous. The business does not seem to have the right start yet, the weather being too warm. Some of our leading retailers have been quite busy. The plantsmen are nearly all busy with decorations for Fall openings and the growers in housing their outdoor stock. A number of good funeral orders were worked up last week among the downtown retail stores.

First class stock is coming in in very limited quantity but improves daily and will soon be abundant. Roses are selling from $5 to $6 for the best in 100 lots; Am. Beauty from $2.50 to $3 per doz. Carnations, best, $2 per 100. Asters are becoming scarce; first grade go to $5 per 100, common from 50c. to $1. Tuberoses are $2 per 100; Gladioli the same. Lily of the Valley, $3 to $4 per 100. Smilax and Asparagus sell well, in fact, all greens are in good demand daily. ST. PATRICK.

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J. J. COAN, Manager Consignments Solicited
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Please mention the Exchange when writing.

GOOD EARLY 'MUMS
Monrovia and Marquis De Montmart
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Growers not acquainted with our methods will find it to their advantage to do business with
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

Collingdale, Pa.

The Collingdale Greenhouses, Fred Chyezewsky, manager, are showing a big crop of greens well under way. The twelve houses comprising this range were very much in need of repairs, and have kept the staff busy all Summer getting them into the present good condition. A large quantity of bulb stock is forced here during the season and a good wholesale and an increasing retail trade is reported.

Alphonse Pericat, the Orchid specialist, shows a fine healthy lot of Orchids,, mainly of standard commercial varieties, although there are a number of rare specimens. A new shed has been built for the storage of an automobile; and a lean-to was built at the end of the range during the Summer. New heating apparatus has also been installed. Mr. Pericat has a large cistern in one of his houses in which all rain water is collected and used for watering the stock; it also helps to keep the house moist. The stock is just commencing to bloom and will relieve the market considerably. P. M. R.

Greenhouse Building

BOYSLSTON, MASS.—Willis A. Fuller is building a 130x40 ft. greenhouse.

PAINESVILLE, O.—Mrs. Effie Scott is to add to her greenhouse establishment.

POTTSTOWN, PA.—Extensive improvements are being made at the greenhouse establishment of the Keim Nursery on High st.

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GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
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VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Sept. 21, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	15.00 to 25.00
" extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
" No. 3	.50 to 1.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.50 to 3.00
Mme. Abel Chatenay	.... to ....
Kaiserin	.25 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	.... to ....
" extra	2.00 to 5.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to .50
Croweanum	.... to .75
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .20
Sprengeri, bunches	.15 to .20
Asters	.20 to 2.00
Bouvardia	.... to ....
Callas	.... to ....
Chrysanthemums, per doz.	1.50 to 2.50
Dahlias	1.00 to 3.00
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .50
Standard Varieties: White	1.00 to 2.00
Standard Varieties: Pinks	1.00 to 2.00
Standard Varieties: Red	1.00 to 2.00
Standard Varieties: Yel. & Var.	1.00 to 2.00
Fancy (The highest grades of Std'd varieties): White	.... to ....
Fancy (The highest grades of Std'd varieties): Pinks	.... to ....
Fancy (The highest grades of Std'd varieties): Red	.... to ....
Fancy (The highest grades of Std'd varieties): Yel. & Var.	.... to ....
Novelties	.... to ....
Gardenias, per doz.	.... to 2.00
Gladioli	.... to ....
Hydrangea	1.00 to 2.00
Lilies, Harrisii and Longi.	.... to 10.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.... to ....
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 60.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Panales, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	.50 to 1.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.... to ....
Tritoma	1.00 to 1.50
Tulips	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond,
Lilies, Lily of the Valley, Carnations
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Telephone, 1462-1463 Madison Square CUT FLOWERS AT WHOLESALE

BADGLEY, RIEDEL & MEYER, Inc.
SUCCESSORS TO A. J. GUTTMAN
WHOLESALE FLORISTS 34 West 28th Street, New York
Telephones 1664 1665 Madison Square CONSIGNMENTS SOLICITED
Please mention the Exchange when writing.

William P. Ford
Wholesale Florist
Consignments of Cut Flowers Solicited from Growers
45 West 28th St., NEW YORK CITY

New York

The firm of Badgley, Riedel & Meyer, Inc., wholesale florists, are the successors of Alexander J. Guttman, 34 West 28th st. W. G. Badgley is a Rose grower at Chatham, N. J. Henry Riedel and Meyer Othile have been with Mr. Guttman for the past six years. Previous to this period Mr. Othile was several years with W. H. Gunther, and Mr. Riedel was for many years with Thomas Young, Jr. The firm is, therefore, composed of asuccessful Rose grower who has been shipping to the New York wholesalers, and of two other men who are thoroughly acquainted with the wholesale cut flower business.

N. J. Hills & Co. opened their new wholesale cut flower store, at 58 West 28th st., on Monday, Sept. 19.

Henshaw & Fenrich, 51 West 28th st., on Sept. 16 received from J. C. Brown, Rhinebeck, N. Y., the first shipment of Violets coming into New York City this season; they are also receiving some Marquis de Montmarte 'Mums, and some Golden Glow of such fine quality that they rival in beauty even some of the later varieties.

James McManus, 42 West 28th st., is receiving some extra fine Cattleya labiata and Oncidium varicosum Rogersii, and also some Gardenia blooms of excellent quality.

M. C. Ford, 121 West 28th st., is receiving some of the best Carnations seen this season.

Gunther Bros., 110 West 28th st., are receiving again this season large shipments of Dahlias from David Herbert & Son of Atco, N. J. The quality is extra good.

Frank Pollatcheck, the Lenox Hill florist, reports a moderate revival of business to the exteut of decorations for four weddings recently and considerable funeral work.

The Plaza Flower Co. is a new concern which has opened a store at 584 Columbus ave.

Karadontes Bros. of 3197 Broadway are opening a branch store at 2174 Broadway.

Henry Hart's store, at 1000 Madison ave., has been put in first class order, and a handsome and commodious conservatory in the rear is well stocked with Palms, Ferns and other decorative plants. This store is right in the heart of the wealthy district, where the patrons return to the city late; nevertheless, Daniel J. Wilson, who has been 10 years with Mr. Hart, reports that business is already pickiug up a little, and also that business has been good at Mr. Hart's Far Rockaway branch store this Summer. In addition, Mr. Hart is proprietor of the Hotel Lorraine, at Edgemore, L. I.

Max Schling, 22 West 59th st., as far as keeping a fine stock of flowers of all the choicest kinds in his store and an almost daily changing display of decorations in his spacious store windows is not waiting for the season to open, but he is opening the season. On a recent call the store window for that day had as a background a very large specimen plant of Phœnix Canariensis, a specimen plant of Phœnix Roebelenii, some Cibotium Schiedei Ferns, some Dracæna Massangeana, and an immense bunch of American Beauty Roses in a tall, vase-shaped basket. In the foreground was a vase of the blossoms of the rare and beautiful Anthurium grandiflorum, and A. sanguineum, and several vases of Cattleya gigas, C. labiata and C. Doweaua aurea; also a vase of Oncidiums, and other Orchids, making altogether a very lavish and beautiful display of Orchids. A vase of Kaiserin Roses, and one of white Bouvardia helped through contrast to bring out more sharply the colors of the Orchids.

On or about Oct. 1, M. A. Bowe will move from his present quarters at 1294 Broadway, where he has been for about 14 years, to 60 West 33d st., near to the Hotel Martinique. The new store is less than two blocks away from the old store. A twenty-six story hotel, which will be called Hotel McAlpine, will be erected at 1294 Broadway; after this building has been finished, Mr. Bowe expects to return from his present temporary quarters to his old number, 1294 Broadway.

At George M. Stumpp's, Fifth ave. and 58th st., the decoration of the Fifth ave. window is quite unusual, and forms an interesting study. Against a background of Polypodium Ferns, and richly colored Crotons of the yellow varieties, stand some exceedingly well grown large yellow Celosias of the plume type. The entire center and foreground is occupied with an interesting display of Agaves—Century Plants—in medium and small sizes, in both the green and variegated kinds. Some small Cacti are also used. The artistic effect of the display is enhanced by placing several plants in groups in neat china and terra cotta pans. The whole effect is in sharp contrast to the usual window display. The 58th st. windows also are well filled with nice specimens of large Kentia Palms, Dracæna Massangeana, and Nephrolepis Bostoniensis Ferns. Here, too, and also in the store are seen some very large Celosia plants grown by Julius Roehrs Co., Rutherford, N. J.; these are all of the plume species, but some of them tend to revert so that a small coxcomb of the old type of bloom appears on the tips of the plumes, giving a very odd effect. In them there is also an unusual range of color, varying from almost pure white to deep crimson; no other potted plants displayed in the city at this time make more beautiful store decorations than these well grown Celosias.

N. Y. Florists' Club

The subject of the lecture to be given by J. Horace McFarland of Harrisburg, Pa., before the New York Florists' Club, on the evening of Oct. 10, is "The Florist and the Town." Mr. McFarland has made the request that the members refrain from smoking during the lecture, as the smoke affects the appearance of the views thrown on the screen, and irritates the throat of the lecturer.

David Mackenzie, manager of the John Scott establishment in Brooklyn, has returned from his honeymoon in Europe, and with his bride is residing in St. John's place, Brooklyn. He says the only person from this side he met while away was Mr. Leuthy of Boston, in Ghent, Belgium.

N. Y. F. C. Bowling

The N. Y. F. C. Bowling Association, the nucleus of which was formed at the last Club meeting, organized at a meeting held at the office of Traendly & Schenck, 131 W. 28th st., last Saturday afternoon, with the election of the following officers: President, J. A. Manda; treasurer, J. B. Nugent, Jr.; secretary, J. A. Shaw. The alleys engaged are those at 115 W. 23d st., three fine new alleys and a private room. Initial bowling took place on these alleys after the organization meeting. The Association will meet every Friday evening and on the afternoons of the days on which Club meetings are held. The dues are to be $1 per month, or 6 months for $5. O. V. Zangen has offered a knife for the highest score on the evening of Sept. 30. Chas. W. Scott, manager of the Yokohama Nursery Co., has offered a $5 gold piece for the best aggregate average made in games played on any fifteen regular evenings up to and including Feb. 11 next. This offer is to encourage attendance. C. B. Weathered has very kindly offered to donate the cup won by the Club in Boston in 1900—which was turned over to him by vote of the Club—as a prize for high score during the season's games, and the cup will be handed back to the Club for this purpose at the next meeting. M. A. Bowe of 1294 Broadway will also encourage the bowlers by the presentation of a silver cup for high scores. Other gentlemen have expressed a willingness to contribute prizes, therefore bowling in the N. Y. F. C. will be at high water mark during the coming Winter. There is to be a special meeting of the Association on Friday, Sept. 23, at Traendly & Schenck's, at 4 p.m., previous to the bowling.

Chevalier de Merite Agricole

It is reported by a contemporary that E. G. Hill of Richmond, Ind., has received from the French government the diploma of a chevalier of the Mérite Agricole. Mr. Hill was one of the jury at the recent international gathering of Rose growers at Bagatelle, near Paris, France.

In Eden

Lady (to her gardener)—John, I wonder you don't get married. You've got a fine house and a good wage. All you need is a wife. You know the first gardener that ever lived had a wife?

John—Yes'm; but he didn't keep his job long after he got her.—*Tit-Bits.*

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

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HOLTON & HUNKEL CO.

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Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Sept. 21, 1910	Pittsburgh Sept. 20, 1910	NAMES AND VARIETIES	Boston Sept. 20, 1910	Detroit Sept. 20, 1910	Cincinnati Sept. 19, 1910
20.00 to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	30.00 to 35.00	to 10.00
15.00 to 18.00	12.00 to 15.00	" extra	10.00 to 15.00	25.00 to 30.00	6.00 to 8.00
10.00 to 12.50	8.00 to 10.00	" No. 1	3.00 to 8.00	18.00 to 22.00	4.00 to 5.00
3.00 to 6.00	3.00 to 6.00	" No. 2	to	4.00 to 10.00	2.00 to 8.00
3.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	to	1.50 to 2.00
4.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	to	1.50 to 2.00
2.00 to 6.00	2.00 to 6.00	Bride and Bridesmaid	2.00 to 5.00	2.00 to 6.00	1.50 to 3.00
3.00 to 6.00	to	My Maryland	2.00 to 8.00	4.00 to 6.00	to
3.00 to 6.00	3.00 to 8.00	Richmond	to	to	to 2.00
3.00 to 5.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
3.00 to 8.00	2.00 to 8.00	K. A. Victoria	2.00 to 8.00	4.00 to 8.00	to
to 1.00	.75 to 1.50	Adiantum	to	1.00 to 1.50	to
20.00 to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to	30.00 to 60.00	to
20.00 to 30.00	20.00 to 30.00	" Sprengeri, bunches	to	30.00 to 60.00	to
to 2.00	1.00 to 3.00	Aster	to	to 3.00	1.00 to 2.00
to	to	Bouvardia	to	to	to
to	to	Calla	to	to	to
to 1.00	1.00 to 1.50	Carnations—Inferior grades, all colors	.75 to 1.50	to	to
1.00 to 1.50	to	Standard Varieties: White	.75 to 1.50	.50 to 1.00	to
1.00 to 1.50	to	Standard Varieties: Pink	.75 to 1.50	.50 to 1.00	to
to	to	Standard Varieties: Red	.75 to 1.50	to	to
to	to	Standard Varieties: Yellow and var.	.75 to 1.50	to	to
to	to	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 3.00	to	to
to	to	*Fancy (*The highest grades of Std'd vars.): Pink	1.00 to 3.00	to	to
to	to	*Fancy (*The highest grades of Std'd vars.): Red	1.00 to 3.00	to	to
to	to	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	1.00 to 3.00	to	to
12.00 to 15.00	15.00 to 20.00	Chrysanthemums, ordinary	to	to	to
to	to	" fancy	to	to	to
to	1.00 to 2.00	Dahlias	to	to	to
to	to 1.00	Daisies	to	to	to
to .15	to .20	Ferns, hardy	to	to .10	to
to .10	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
2.00 to 4.00	2.00 to 4.00	Gladiolus	1.00 to 4.00	3.00 to 6.00	to
to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi.	4.00 to 6.00	to 15.00	to
3.00 to 4.00	2.00 to 4.00	Lily of the Valley	1.00 to 4.00	3.00 to 4.00	to
to	to	Mignonette	to	to	to
50.00 to 75.00	to	Orchids—Cattleyas	to	to	to
to	to	" Cypripediums	to	to	to
to	to	Paneies, per doz. bunches	to	to	to
to	to	Peonies	to	to	to
1.50 to 1.80	1.25 to 1.50	Smilax, (per doz. strings)	to	1.50 to 1.80	to
to	to	Sweet Peas	to .25	to	to
to	to	Tulips	to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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The McCallum Company

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Boston

The weather for much of the past week (sunless and extremely cold) has been anything but encouraging for young stock. The cold, cloudy weather is extremely hard on Rose growers, making it quite difficult to keep mildew in subjection, and has its telling effect on business generally. However, it is still early and we may expect many weeks of good seasonable weather.

Business has been fairly good this week and retail men are looking forward to quite a good season. After Summer vacations and holidays spent at seashore and mountains there is generally quite a number of Fall weddings to keep the retail trade busy. By all accounts this Fall is to be an active one in this section in that respect.

Orchids are an attraction this week at Galvin's; Vanda cœrulea with its azure blue flowers was especially pleasing. Cattleya Bowringiana and fine spikes of Oncidiums were quite showy and attractive.

John K. L. M. Farquhar visited Long Island last week and delivered a lecture before the Hort. Society at Glen Cove.

We noticed this week in Newman's window, on Tremont st., a fine vase of white Swainsonia. This plant is not as popular, from some cause or other, in this section as it was a few years ago; it makes a good bedding plant and flowers profusely ont of doors.

Henry R. Comley the retail florist on Park st., has always interesting features in his window; this week it is fine vases of fringed Gentian and closed Gentian. The latter is not very showy but the fringed variety is charming with its pleasing blue colored flowers and most delicate fringe. We also noted a very nice vase of a small white Pompon Chrysanthemum which was labeled Bridal Robe.

The Montgomery Rose Co., Hadley, Mass., are sending some fine Roses to this city. I saw their flowers in some of the retail stores and they are as good as any we have noticed this season; especially fine are their Killarney, American Beauty, White Killarney and Richmond.

On a recent visit I found Welch Bros. quite busy and, as things are shaping themselves at present, they anticipate a large Fall business. The have a fine lot of Longiflorum Lilies, while Roses and Carnations are coming in better now. They report a scarcity of Orchid flowers; many more could have been used.

Wheeler & Co.'s Orchid establishment at Waban is looking well this Fall. Their benches of Oncidiums are showing fine spikes and will bear a large crop of flowers in a short time. Several benches of Cattleya labiata are showing up exceptionally well; their Winter flowering Cattleyas are looking very promising. Cœlogynes and Cypripediums look strong and healthy.

Mathew Ruane, who is salesman for Peirce Bros. of Waltham, has opened a retail florist store in that city. Henry Tabot, formerly with the Kensington Florist Store of Boston is to be chief designer; Mr. Ruane's sister is to be in charge of the store.

Quite extensive alterations are going on at the present time in the Boston Flower Exchange. The cold storage room is being greatly improved in many ways. The entire roof is being covered with material which is a non-conductor of heat. As this part of the building is extended under the sidewalk this cooling substance will materially lessen the ice bills.

Yellow Chrysanthemum Golden Glow is being sent into market by the following firms: Peirce Bros., Waltham; Mann Bros. of Randolph; Paine of Randolph; Willow Hill Greenhouses.

A. A. Pembroke of Beverly is shipping some very nice Beacon, Enchantress and Winsor Carnations to the Boston Flower Exchange. Their color and stems are quite good considering the earliness of the season.

Frank White of Holbrook is sending the best Smilax to the Boston Flower Exchange we have seen so far this season; the strings are extra long and the foliage green and healthy looking.

Norris Comley of Lexington is beginning to cut from the new Carnations which he bought from Chicago growers last Spring; it is too early as yet to say much about them.

John McKenzie of North Cambridge, we are sorry to report, is on the sick list again with his foot, having had another operation performed on it. We wish him a speedy recovery to health.

Hoffman has a fine display of Crotons in his store windows on Mass. ave. The plants are well grown and the foliage is very well colored. With ordinary attention the Croton makes a most satisfactory window plant for a dwelling house.

W. E. Cahill of Stumpp & Walter Co. of New York is busy around the Hub and is booking some good orders; he says that his business has been very active this Fall.

Joe Fahey, buyer at Galvin's, has been on the sick list for many weeks this Summer. We are pleased to see him back to work again much improved in health.

Martin Tuohy of South Boston is making extensive alterations and improvements in his store; he is putting in new show windows which will add greatly to its appearance.

Frank Holbrow of Matapan has returned from Europe and reports that he had a most enjoyable time; in fact, he thinks it the best he ever had anywhere. He had such a relaxation that he finds it quite difficult to start to work again.

The Mass. Hort. Society has finished laying the new hard Pine floor in its large exhibition hall; this is a great improvement but it needs much more than this one feature to make the place what it ought to be. R. C.

Philadelphia

H. P. Van Sant, Newport News, Va., and H. Graves and William Gibson of the Zeiger Co., East Liberty, Pittsburg, Pa., were recent callers on the Robert Craig Co. William P. Craig has just returned from a western trip. The numerous repeat orders coming in daily to the Robert Craig Co. are very gratifying.

L. G. Blick, and his sister, Lovey A. Blick, accompanied by two friends, from Norfolk, Va., were recently the guests of Edward Reid. They came north in their Packard car, and are touring along the Jersey coast to New York City, and thence through New Hampshire, and Maine, returning to Norfolk by the way of the Cumberland Valley.

Ranstead st. will miss John McIntyre

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

DAHLIAS *of* QUALITY

$1.50 per 100. Good selection of colors.

$2.00—$3.00 per 100. The best and new commercial varieties.

They are coming in exceptionally fine condition. We can give you all the best varieties coming to this market.

Bronze Galax. $7.50 per case.
If you knew the good quality of our Galax, you would not hesitate ordering them by the case.

Leucothoe Sprays, green, per 100, $0.75
Galax, green, new, per 1000 ..... 1 00
Wild Smilax, per case 6.00
Sphagnum Moss, 6-5 Bbl Bales 10 00

EASTER LILIES, $1.50 per dozen, $10.00 per 100.

Can furnish any quantity of Lilies on short notice. We are never without them. If you are in the market for good Lilies you cannot afford to disregard the excellent quality of this stock, and prompt delivery.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Sept. 19, 1910	Buffalo Sept. 19, 1910	NAMES AND VARIETIES	Phil'delphia Sept. 19, 1910	St. Louis Sept. 19, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	..... to 25.00	15.00 to 20.00
..... to	12.00 to 16.00	" extra	15.00 to 20.00	10.00 to 15.00
12.50 to 15.00	7.00 to 10.00	" No. 1	10.00 to 15 00	5.00 to 8.00
6.00 to 8 00	..... to	" No. 2	5.00 to 8.00	2 00 to 5.00
3.00 to 5.00	2.00 to 6.00	Killarney	2.00 to 8.00	3.00 to 5.00
3.00 to 5.00	2.00 to 6.00	White Killarney	2.00 to 6.00	..... to .....
3.00 to 4.00	..... to 6.00	Bride and Bridesmaid	2.00 to 5.00	..... to .....
3.00 to 5.00	2.00 to 6.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	2.00 to 6.00	Richmond	3.00 to 8.00	..... to .....
2.00 to 4.00	4.00 to 6.00	Perle	3.00 to 6.00	..... to .....
3.00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	4.00 to 6.00	K. A. Victoria	2.00 to 5.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
.50 to 2.00	.40 to 2.00	Aster	.50 to 2.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
..... to	6.00 to 8.00	Callas	..... to	..... to .....
..... to .75	1.00 to 1.50	Carnations—Inferior grades, all colors	.50 to .75	1.00 to 1.50
1.00 to 1.50	1.00 to 1.50	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50
1.00 to 1.50	1.00 to 1.50	Standard Varieties: Pink	1.00 to 1.50	..... to 1.00
1.00 to 1.50	1.00 to 1.50	Standard Varieties: Red	1.00 to 1.50	1.00 to 1.50
1.00 to 1.50	..... to	Standard Varieties: Yellow and var	..... to	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): White	1.50 to 2.00	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Pink	1.50 to 2.00	..... to .....
..... to	1.50 to 2.00	*Fancy (*The highest grades of Std'd vars.): Red	1.50 to 2.00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Std'd vars.): Yellow and var	..... to	..... to .....
..... to	10.00 to 15.00	Chrysanthemums, ordinary	..... to 20.00	..... to .....
..... to	..... to	" fancy	..... to	..... to .....
..... to	..... to	Dahlias	75 to 3.00	..... to .....
..... to	.50 to 1.00	Daisies	1.00 to 1.50	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	2.00 to 4.00	Gardenias, per doz	5.00 to 12.50	..... to .....
..... to 12.50	8.00 to 10.00	Gladiolus	2.00 to 4.00	..... to .....
3.00 to 4.00	3.00 to 4.00	Lilies, Harrisii and Longi	10.00 to 12.50	8.00 to 10 00
..... to	..... to	Lily of the Valley	2.00 to 4.00	3.00 to 4 00
..... to	..... to	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	35.00 to 60.00	..... to .....
..... to	..... to	Cypripediums	35 00 to 50.00	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2.40	..... to	Smilax, (per doz. strings)	1.50 to 1.80	..... to .....
..... to	.30 to .50	Sweet Peas	..... to	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention advertisement in the Exchange.

for a few weeks, as he is going to take a trip through the South, and also visit Boston, Chicago, and Pittsburgh. John says that during his absence he will leave his fellow wholesaler, Edward Reid, in charge of Ranstead st., and that he hopes he will be found all the time on the job. Look in our advertising columns for John McIntyre's name after he returns, for John has passed his word, which is as good as his bond.

The S. S. Pennock-Meehan Co. is receiving an increasing supply of Dahlias of the better kinds, among which is noted Jack Rose, Lyndhurst, and Kriemhilde. S. S. Pennock and family are still enjoying their vacation in the far North, and Charles Meehan on Monday was in New York City, at the birth of the S. S. Pennock-Meehan Co.'s New York branch store at 109 West 28th st. Recent visitors at the Philadelphia store were the Misses Mooney and Weir, the well-known florists of Wilkesbarre, Pa., and Miss Mooney their niece, Ernest Ashley, Allentown, Pa., G. R. Clark, Scranton, Pa., Mr. Hamm, East Liberty, Pittsburgh, Pa., and G. P. Weklin, who for several years has been with the Randolph & McClements Co., Pittsburgh. Mr. Weklin will soon open up a retail florist's store at East Liberty, Pittsburgh, under the firm name of G. P. Weklin & Co.

Eugene Bernheimer and family have returned to Philadelphia from North Wales, Pa., where they have been passing the Summer. Mr. Bernheimer divides his time between his wholesale cut flower business at Philadelphia and the Florex Gardens Co.'s place at North Wales, of which concern he is secretary.

Jacob Becker has finished the re-erection, at 52d and Ludlow sts., of the range of five greenhouses which he removed from 49th and Chestnut sts. The present site is directly back of Crawford's store at 5210 Market st.

Charles Henry Fox, 209 So. Broad st., is now daily seen at his store, "The Sign of the Rose," having returned from the seashore where he has been convalescing after his serious illness of the early Summer. He is as busy as ever devising something new and artistic in the florist's line, never satisfied to merely repeat the old designs. His "Surprise Gift Box" is a marvel of simplicity, and well worth a call to see. His way of sending out a box of flowers is very attractive, and it is a privilege to look over his albums containing photos of his floral work. Mr. Fox belongs to that class of men who put their best thought and their very life into their work, a way of living which makes for substantial success.

That veteran sailor of the Philadelphia retail florists, A. B. Cartledge, of Pennock Bros. Co., is off on another cruise in his boat Marguerite II. At the store, however, at 1514 Chestnut st. there seems to be something doing all the time.

Jos. Meehan went on Tuesday last to Atlantic City to carry the flag for his post in the G. A. R. parade which took place there that day. On Saturday, the 24th, he was to go to Gettysburg to attend the dedication of the State monument to its regiments which fought in that battle; he will return the following Wednesday night.

Godfrey Aschmann advises us that, all going well, he expects to leave Rotterdam per S. S. Rynland, which is due to arrive at New York Oct. 19. Mr. Aschmann has

"I am sure that I never got better value from a dollar than in the Exchange the past year."

Address of this advertiser upon application.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York



DAHLIAS

The most effective flower for fall trade.

Our supply is from the best Dahlia specialists in the country. Hammonton and Atco, New Jersey, produce the best varieties for cut-flower purposes.

We handle the largest part of the cut from these two centers.

We can have regular orders shipped direct from our growers saving extra handling. Try a sample shipment.

Prices for the best selection, **$3.00, $2.00, $1.50** per 100.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA, PA, 1608 to 1620 Ludlow Street

NEW YORK
109 West 28th Street

WASHINGTON, D. C.
1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2739 Lick Place, SAN FRANCISCO
Greenhouses, MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

industriously mailed some 1500 illustrated post cards to his customers since his departure in order to keep them apprised of the course of his travels.

Richard Vincent, Jr., White Marsh, Md., will speak before the Philadelphia Florists' Club at the October meeting, on "Holland and Its Bulbs." The talk will be illustrated by the aid of the stereopticon.

The Leo Niessen Co. is receiving a large variety of Dahlia blooms of the very finest kinds. It is also offering some well-grown Carnation plants.

Aschmann Bros, 2d and Bristol sts., are making big improvements in their new quarters, and are still stocking up for the Fall trade. One house is devoted to Carnations, and is the only house grown to cut stock. A specialty will be made of potted stock, and Ferns and Ficus will lead. A fine lot of Poinsettias and Hydrangeas is now being received.

Wm. C. Smith, 61st and Market sts., reopened his store on 60th st., below Market st., on Saturday, Sept. 17. The window display was exceedingly attractive and consisted of a basin holding several varieties of Water Lilies, and two fountains, also several vases containing cut stock and a number of hanging baskets filled with plants and cut flowers. He is offering a fine lot of Hydrangeas and Ferns in 4-in. and 6-in. pots.

Victor Ridenous, 30th and Dauphin sts., reports busy times for September, and a large amount of funeral work.

P. M. R.

Chicago

After the quietude of the market the greater part of last week, Monday opened with much brighter prospects for a greater demand for stock. In some lines stock is perceptibly short, while in others a marked increase is noted. The tag end of the Aster crop is now coming in, making a better demand for Carnations, which are

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Sept. 20, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	6.00
" extra	.... to	6.00
White Killarney	.... to	6.00
Richmond	4.00 to	6.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	6.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	5.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.25 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
....	.... to	....
....	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Standard Varieties: Pink	1.00 to	1.50
Standard Varieties: Red	1.00 to	1.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.50
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
....	.... to	....
Violets, single	.... to	....
" double	.... to	....
Asters	.... to	3.00
Gladioli	2.00 to	4.00
....	.... to	....
....	.... to	....
....	.... to	....
....	.... to	....
....	.... to	....
....	.... to	....
....	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

improving both in quality and quantity and are in good demand.

Chicago on Monday lost one of its pioneer florists, Geo. Wittbold having departed this life after an illness of only ten days. An obituary will be found elsewhere in this issue.

J. C. Vaughan, at the primaries in the second district, secured the Democratic nomination for Congress. Our other florist, J. Mendal, who was a candidate for the nomination for county commissioner, was also fortunate.

A. T. Pyfer and P. Olsem, of the Chicago Carnation Co., Joliet, spent a couple of days in town last week, participating in the bowling on Friday night. The first indoor Carnations from their place was shipped to Chicago last Saturday.

N. P. Miller, of the J. B. Deamud Co. has been indisposed for several days, owing to a slight operation performed on his head last Saturday. The Deamud house is supplying the retail trade with some exceptionally fine Carnations, which are eagerly sought after. Henry Dunn is now in the employ of this house.

Muir of 35th st. and Michigan ave., says the past two weeks have been leaders in funeral orders. The staff has been rushed with work in this line.

A. I. Simmons, of 63d st., had the work for the Cavanaugh wedding last week. This was one of the largest weddings of the season.

Bassett & Washburn had an elaborate wedding decoration at Hinsdale last Friday. T. M. Smith, of Smith & Fetters, Cleveland, made the shower bouquet for the bride, and it was greatly admired. Chrysanthemums October Frost and Golden Glow, cut at Bassett & Washburn's greenhouses, are unexcelled both in size and quality.

O. P. Bassett and wife left Chicago on Sunday night for Pasadena, Cal. It is their expectation to buy a home and settle in that part of the country.

Charles McKellar is now displaying quite a variety in Orchids, among them being Vanda cœrulea, Dendrobium Phalænopsis, D. Formosum, and Oncidium varicosum Rogersii. Cattleya labiata is also arriving in fine color, although as yet not in quantity to supply the demand. Miss M. Ollmert of this house, who has been away on an extended trip through the East, is again at her post.

The A. L. Randall Co. is all hustle and hustle this week, the office force having moved to their new quarters on the third floor. A new basket room has been built, in which to display the many styles of new baskets arriving. Orders for Evergreen Brand fertilizer are coming in fast at this house, and it is quite evident that the growers have proved the value of this brand of fertilizer. T. E. Waters started this week on an extended trip, after having been off the road for the past year.

We are glad to see that John Poehlmann has recovered from his severe cold of last week and is again on deck. John Zech has also, practically, recovered from his recent accident.

Wietor Brothers report business good, stock arriving in abundance and fine, with a ready demand for all.

The quality of Mrs. Marshall Field Rose at Peter Reinberg's is worthy of mention, both as to coloring and condition. Tim Matchen says he has never seen it in such good form at this time in any previous season.

As fine a quality of American Beauty Roses as may be formed on the market can be had from Vaughan & Sperry. Stock in all lines at their house is excellent.

The Chicago Horticultural Society has again decided on George Asmus as manager for the coming Fall show.

The Chicago Bowling Club will open its season on Wednesday, Sept. 28, at Bensinger's alleys, in place of Flenners' alleys, as was stated in last week's issue. The teams will then be decided upon. The officers elected are T. C. Yarnell, chairman, E. F. Winterson, treasurer, A. Zech, secretary.

Ed. Fancourt, of the Pennock-Meehan Co., Philadelphia, is in Chicago on his annual business trip.

Wm. Graff of Columbus, O., spent a most enjoyable week on the big central market.

S. Wachenheim of Vicksburg, Miss., is spending a month's vacation visiting around Chicago.

Mrs. Frank Beu, of the Flower Growers' Market, is displaying several varieties of Autumn leaves. It is a little early as yet for these to receive much attention.

Visitors: Theo. Miller, St. Louis, Mo.; Myrtle Somers, Keokuk, Ia.; John Reindflesh, Beloit, Wis.; F. M. Smith, of Smith & Fetters, Cleveland, O.; Lewis Turner, Kenosha, Wis.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

The fourth annual show of the Horticulture Society of Lake Forest was held on Friday, Sept. 17, at the Durant Art Institute in Lake Forest.

Cincinnati

Business is looking up nicely. New York Asters are arriving in this market and selling well. American Beauty Roses are still leading, at the same old prices. Bride and Killarney from the new stock are beginning to come in and manage to clean up fairly well. There are plenty of green goods of all kinds. C. J. Ohmer's Asparagus plumosus arrives in fine condition, of elegant color, nice sized bunches, and can be used for any kind of work; he reports that during July and August Asparagus fails to do very much in the growing line, but new shoots are springing out, and the outlook for the Winter is certainly fine.

John Moorehead was struck on the head Saturday night by a colored gentleman who stepped from a hallway, or some other way, and knocked John down, relieving him of his watch and $15 and leaving him in a very precarious condition; this happened at College Hill, O., near the homes of Max Rudolph, Geo. Magrie, Walter J. Gray, Geo. Corbett and others, so boys! look out when you are going home late or the colored man is liable to treat you in the same way.

Our floral parade on Sept. 14 was magnificent. Tromey and Hardesty are the florists who did the principal decorating on this occasion, and their floats were all beauties. Unfortunately, our police failed to protect the machines from the dear public, which rushed into the middle of the street, and the men who steered the machines, after much maneuvering, managed to squeeze through, leaving much of the trimmings in the hands of the crowd. It certainly is disgraceful to the police force of Cincinnati to allow a thing of this kind to happen, especially when the parade was given for the honor and glory of Cincinnati. In a day or so I am going to send you photographs of some of these floats.

Mr. Herms and sister of Portsmouth were here on Portsmouth Day, and they brought with them one thousand people to attend the exposition. On Sunday, Sept. 18, the gates were thrown open to the public, to allow the working men and women to take advantage of the show.

President Taft is due here for three days, Sept. 20, 21, 22. While Bill is one of our citizens, he will be treated as the President of the U. S. just the same, providing the police will wake up and manage to protect him.

E. G. GILLETT.

Cleveland, O.

In our town stock seems to be very scarce indeed; after 9 a.m. the wholesale market is sold out, and there is not much choice as regards the stock of Roses, Carnations, Valley, Gladioli and Asters coming in; there are hardly any Dahlias as yet. This is the transition period when the growth of plants holds the blooms in suspension, but it will only be a matter of a few days when there will be plenty of flowers on the market.

In the meantime everybody grabs, and the fellow who gets a handful or an armful is lucky, and the flowers suffer. There is a big demand for Carnations and they have been sold out every day; the demand increases and so does the quantity of stock; the quality is improving right along. There is also a healthy demand for Am. Beauty which our Cleveland florists always keep on hand.

Tritomas are coming in and are very effective in decorations.

It is rumored the Gasser Co. has purchased Frank Smith's interest in the Smith & Fetters Co.

Frank Schoen has decided to remain with the Taylor people to manage their flower shop; the opening is set for the first week in October.

Rock & McNulty have opened a flower store on Euclid ave., east of that of the Gasser Co., and report business as very good.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
BY FAR THE CHEAPEST.

Just Note Prices!
Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
5 Gallons . . . 47.25

Please mention the Exchange when writing.



For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.
CAMBRIDGE, MASS. Established 1765.

Please mention the Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates easy to handle

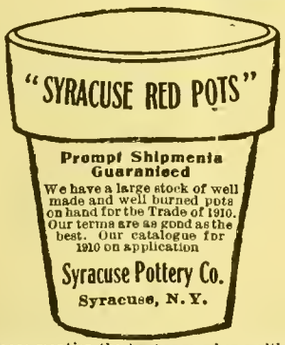
	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

Please mention the Exchange when writing.



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RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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All the Clay FOR OUR Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
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The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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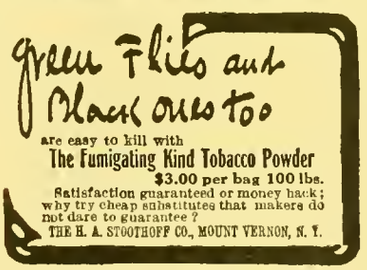

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

The J. M. Gasser Co. is receiving some fine Orchids from its greenhouses.

Westman & Getz have had several large dinner decorations; general business is picking up nicely with them.

Jones, Russell Co. are having their share of good business; the close competition simply makes it keener; they have a fine line of art ware for Ferns, small plants and cut flowers.

Mrs. E. M. Krause of Columbus was in Cleveland recently and pronounced herself as well pleased with our fine flower shops. Her impressions of Cleveland improved during her stay here.

Miss Fannie L. Evans of the Cleveland Cut Flower Co. is on another vacation.

Mrs. Lillian Gaul of Graham's is just recovering from a very severe cold.

Mrs. Lincoln Brown, the Lake ave. florist, is doing a good business these days and feels that trade will be better than last season.

R. K. Stokesherry of Leetonia, O., is sending in some very good Smilax to the Cleveland market. O. G.

St. Louis

J. J. Karins, traveler for Dreer's, of Philadelphia, is in the city; he is one of the most popular salesmen calling on the local trade.

The local executive committee of the Horticultural Society met Tuesday, Sept. 13, and perfected arrangements for the Fall show to be held in the big Coliseum Building, Nov. 8 to 12. The show will last five days this year and promises to be one of the best the Society has yet given.

There are a number of Fall openings on for this week at which a large amount of plants are being used. C. Young & Sons Co., Chas. Beyer, Sanders and Wm. Schray & Sons are among those firms which are kept busy with this class of work.

The big department store of Schaper Bros. will open early in November; it is rumored that Alex Siegel will have charge of its floral department and that he will also retain his present location with the Wolf-Wilson Drug Co., at 6th and Washington ave.

The Ladies' Home Circle held its meeting and outing at Romona Park, Sept. 15. Their president, Mrs. J. Steidel, was unable to be present owing to sickness so Miss T. Meinhardt presided. Mrs. John L. Koenig presented an interesting paper. After the meeting lunch was had and all enjoyed a pleasant afternoon. Mrs. F. C. Weber, Jr., was a new member elected.

Mrs. M. M. Ayers is sporting a new delivery wagon and an improved case of hay fever. Her splendid show of fancy cut stock attracts a good deal of attention along Grand ave.

The Metropolitan Floral Co., who recently opened at Grand ave. and Olive st., had the decoration at the opening of the new Princess Theater which is located on the next corner to them; several thousand Richmond Roses were distributed among the ladies attending.

The Frank Ryan Floral Co., at 14th and St. Louis ave., contemplate quite a few changes at their place in the near future; the first will be to enlarge their show house and then their salesroom.

C. C. Sanders, president of the Retail Florists' Association, presided over their meeting Sept. 12. Mr. Sanders has been at French Lick Springs for his health and has returned feeling very much better.

Geo. H. Angermueller has moved his office to the second floor; the first will be used only for the sale of cut flowers, the second and third for supplies. James Secketer is hossing the improvements.

Chas. E. Schoenle, of the Schoenle Floral Co., made a large balloon for the Million Club and went with that club to Indianapolis for its presentation to the officials who had charge of the balloon races in that city.

The Florists' Bulletin which is being issued by the St. Louis Florists' Club has made quite a hit with the local florists; it is sent out free of charge to all the local trade.

The Club will hold its next meeting Thursday, Oct. 13; the new officers would like to see a large attendance and hope the members will come out strong and support them at every meeting this year. ST. PATRICK.

Louisville, Ky.

The florists say that an improvement in business is already being noticed, because of the fact that local people have nearly all returned from their vacations.

Boone Gardiner, of the Kentucky Nurseries, spent several days on a vacation

The Mastin Automatic Whitewash and Spraying Machine

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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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THE BEST PLANT FOOD
$2.00 per 100 lb. bag, $30.00 per ton.

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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Estimates Cheerfully Furnished

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In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

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VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

recently, in his old home, Fairfield, Nelson County, Ky.

The Napoleon wreath is making a big hit with local trade, and has become a most popular form of floral design, according to Nanz & Neuner. The wreath is made in many sizes, but the average size is about five feet in height, being broad in proportion. The upper part of the wreath is formed of Magnolia leaves, with a bunch of Ascension Lilies attached to the lower part of the design so as to give the effect of an immense chaplet. The wreath is of very impressive appearance, and four or five designs of this character have been sold during the past week by Henry Nanz.

Henry Fuchs recently made a handsome floral piece to be placed over the doorway of the Sam Z. Lorch store, on Fourth ave. It announced the Fall opening of the Lorch establishment and the words "Fall Opening" appeared on the green background of Smilax in red and yellow Dahlias, forming a very attractive opening announcement. The doorway of the Lorch establishment was decorated with festoons of Smilax and the store was handsomely ornamented with potted plants by Mr. Fuchs. The Fuchs Floral Shop also decorated the dining hall, main hall and banquet tables for the National Convention of Photo-Engravers, which was held in the Willard Hotel in Louisville recently.

Mrs. C. B. Thompson, the well-known Fourth ave. florist, is still suffering with malaria, having contracted a severe case of this malady while on a recent fishing excursion. It is not definitely known when Mrs. Thompson will be able to be back "on the job" in her store. One of the most novel window displays that has appeared in a Louisville florist store was recently arranged in the window of Mrs. Thompson's store. A miniature sylvan dell was arranged in the window, the floor being thicly carpeted with green moss, with backgronnds of Ferns and potted plants. Two small stone castles furnished the "set" for the stage picture, and in the center of the window there was a sizable lake, formed of a galvanized iron pan, with a pebbly beach strewn with sea shells. An electric wire led from the chandelier in the window to a number of tiny, multi-colored electric bulbs hidden in the green stock. The real attractions of the display however, were provided in the form of two young alligators and a dry land terrapin, which basked in the sunshine, and the former occasionally electrified the spectators by gaping and displaying an array of glistening molars. The alligators have been raised from infancy in the Thompson establishment, and the terrapin is reckoned as a very desirable character on account of its propensity for devouring insects and snails which injure plant-life. A treatise that would no doubt be of interest to florists could be orepared by John McMichel, a florist in the employ of Mrs. Thompson, who is well versed in the traits and customs of the saurians. "The alligators are not accustomed to frequent the greenhouses during the day-time," said Mr. McMichel, "as they lie around in the sun all day long; but after night-fall they prowl around among the plants, as we have seen by their foot-prints, and woe be unto any hapless snail or slug that chances to meet Mr. 'Gator."

The store of Fred Haupt is being put into spick and span order for the Fall opening, which Mr. Haupt proposes to conduct on or about Oct. 1. He spent a few days recently in Indianapolis, where he attended the big auto races.

The big Kentucky State Fair began at the Fair grounds in Louisville last Monday, Sept. 12, to continue for six days. A big feature of the fair is the horticultural display, which is pronounced by experts to be one of the best State exhibits ever appearing in the United States. A handsome pavilion has been provided by the Fair officials for displays of crops and flowers which have made Kentucky famous. Among the Louisville florists who are exhibiting at the Fair are: Jacob Schulz, Nanz & Neuner, F. Walker and Co., Mrs. C. B. Thompson and Mrs. M. D. Reimers. Two judges have been provided for the exhibits, each judge alternating with the other on successive days. The judges are: L. W. Honaker, a prominent florist of Lexington, Ky., and A. Rasmussen, a well-known floral artist of New Albany, Ind. C. L. Brunson, a florist of Paducah, Ky., is in charge of the entire horticultural exhibit and much praise is due him for his indefatigable labor toward the success of the exhibit. In recognition of the services of Mr. Brunson, secretary J. W. Newman, of the State Fair Board, tendered him the office of supervisor over the horticultural exhibit during the Fair of 1911, and Mr. Brunson has accepted it. In the floral displays the Jacob Schulz Floral Shop bore off the palm in a number of classes; out of eight entries the Schulz displays won four first prizes and three second awards. Mrs. M. D. Reimers also figured prominently in the prize list, among the awards being the following: First prize for collection of decorative plants; eleven prizes for plants displayed in hanging baskets, rustic stands and window boxes; the blue ribbon for collection of choice cut flowers; blue ribbon for hardy flowers; blue ribbon for vase of choice American Beauty Roses.

G. D. C. JR.

San Francisco

Julien Eppstein has opened a new flower store in the St. Francis Hotel Annex. Mr. Eppstein reports that business has been exceptionally good with him of late.

The Californian Evergreen Co. has been working day and night for some time past on the Admission Day Festival decorations. Some very effective work has been already put up by this concern.

Eugene De Sabla is erecting a new potting shed and boiler house on his place at El. Ceritto.

I had occasion to make a few remarks some few months ago in regard to the fine examples of carpet bedding to be seen in front of the Golden Gate Park conservatory, and I should like to take this opportunity to again mention this interesting feature of the Park. During my travels I have seen some very fine examples of this class of work, but the design which I refer to in Golden Gate Park for execution, blending and toning of color, and general finish in regard to detail, has everything I have seen beaten hollow. When seen from the main driveway, it actually looks like a huge painting of Indians crossing the plains with their cattle and wagons, as in the old days. Altogether, it is a fine example of the gardener's art and is a credit to the Park.

Wm. E. King of Santa Cruz was a recent visitor in town. Mr. King informs us that business is remarkably good in the Santa Cruz district.

The MacRorie-McLaren Co. has made arrangements to have a spur track brought into their nurseries from the main line of the Southern Pacific Co.

Henry Goertzhein of Redwood started to count how many 'Mums he had the other day. Henry informs us that when he reached one hundred and sixty-seven thousand he got tired and stopped. Certainly, he has a magnificent lot this year, and present indications point to the name of Goertzhein being well to the fore at the coming show.

P. T. Thorsted has left on a business trip through southern California.

Luther Burbank announces that he has succeeded in increasing the fruit of the Maritima Plum from the size of a pea to the weight of nearly one-fourth of a pound. Burbank declares that his new Plum will outbear anything in the fruit line. On the other hand, fruit experts who saw the Plum at the recent Sebastopol Fair declare that it is practically worthless and of no commercial value whatever.

Edmund Lateski of Niemieroze, Padolin, Russia, recognized as one of the greatest agricultural experts of Europe, is at present a guest of Luther Burbank at Santa Rosa.

Sydney Clack of Mayfield has finished benching his Carnations, and there are few better lots to be seen in this section.

Frank Mills of Palo Alto is cutting some nice 'Mums at present. Mr. Mills says that the University students can take all the 'Mums he is able to grow.

The MacRorie-McLaren Co. has a fine assortment of Narcissus and Daffodil bulbs in stock at present, for their Fall orders.

Sayuda & Co., of Berkeley, have completed three new Carnation houses on their new place at Fruitvale.

H. Kempf, of the Pacific Nursery has a splendid lot of Araucarias on view at his Baker st. nursery.

Domoto Bros. have started to build two more houses, each 30x350 ft.

The MacRorie-McLaren Co. has started work on the remodeling of the Spreckles estate at Nappa.

Albert Brown of Seattle was a recent visitor in town.

An especially fine lot of tuberous Begonias in Golden Gate Park conservatory is attracting lots of visitors these days. Otto Holm, foreman in the Park conservatory, is back to work again, feeling none the worse for his recent indisposition.

The Stockdale Nursery Co. of Burling-

GLASS

Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
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BEFORE YOU BUY GET OUR PRICES

Greenhouse Material
Any Style and Size



The best and cheapest.
WRITE US.

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Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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RICHMOND, INDIANA

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ALL SIZES
16x24 A. & B. Double a Speciaity
C. S. WEBER & CO.,
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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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N. COWEN'S SON
14 & 16 Wooster Street, New York

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Greenhouse Materials Furnished and Erected
IRON or WOOD SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
FRANK VAN ASSCHE, Fulton Ave., Rose Ave. and Dwight Street
JERSEY CITY, N. J.

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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog
GIBLIN & CO., Utica, N. Y.

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Write today for new circular
TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
TILE SIDES
Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.
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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

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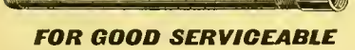

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SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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MASTICA

FOR Greenhouse Glazing



USE IT NOW.

F. O. PIERCE CO.

12 West Broadway NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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CONCRETE BENCHES

CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

WILSON-HOYT CO.

ONE MADISON AVE.
NEW YORK

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Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

hame reports business as being very good; several big landscape jobs are keeping the staff busy at present.

The Californian Nursery Co. has started to get ready for the coming planting season. Several large orders have been received by them for immediate delivery.

San Francisco and vicinity was favored with the first rain of the season on Sept. 14, when we had several light showers. Last year rain did not fall in this section until October.

Geo. Pape of Berkeley has secured a large contract in Nappa for greenhouse construction.

The Market

Last week was one of the busiest on record for this time of the year, and both the growers and the retailers wore a big smile all week, and wished that Admission Day would come every month. Flowers sold quickly and at good prices and the stores were kept on the move every day. Carnations were very popular and the supply was not equal to the demand; what blooms I have seen lately were of exceptionally good quality for this time of the year. Roses are still very scarce and florists find it hard to procure blooms of any quality. Asters are now on the downward grade, and prices are poor. 'Mums are fairly plentiful and bring good prices. Dahlias and Gladioli are abundant and sell well. Liliums are still to be seen in quantity; prices for this class of stock are poor. Princess of Wales Violets have made their appearance in the stores and are very popular. Lily of the Valley is fairly plentiful and sells well. Orchids are very scarce and will be for some time yet. Green goods are in good supply with prices practically unchanged.

WM. MCM. BROWN.

Los Angeles, Cal.

On Sunday, Aug. 29, the Pasadena Gardeners' Association were the invited guests of Howard & Smith, at their extensive nurseries at Montebello, about 8 miles from Los Angeles. Fifty members of the Association and quite a number of their wives and sweethearts responded to the cordial invitation of this progressive firm. Among the visitors were representatives from Santa Barbara, Los Angeles and surrounding cities. The forenoon was passed in inspecting the extensive nursery and admiring the A1 quality of the stock grown, consistiog of twenty acres of Roses, and ten acres of flowering shrubs, plants and bulbs, including Cannas of the best type for this climate. Attention should also be called to the very large stock of Keatias from 2-in. pots to 24-in., all grown under lath, the large stock of Cocos plumosa and other choice decorative varieties of which this firm makes a specialty.

The firm has been, recently, granted a patent on cement flower pots, which have proved to be a success, especially the large sizes, from 9 in. to 24 in.; the pots are quite porous, but the evaporation is such that they do not dry out like the ordinary clay pots, thereby holding the moisture better for the plants; and they come much cheaper in the large sizes.

At 1 p.m. a bountiful luncheon was served by Mrs. Howard, ably assisted by the visiting ladies, after which speeches were delivered on horticultural subjects by Dr. Houghton, a noted botanist of this section, Mr. Dietrich, Mr. Blake, Mr. Pegg, Mr. Fred Howard, Mr. Farrel, J. G. Morley, Otto Heutschy, president of the Pasadena Gardeners' Association, and others. A rising vote of thanks was extended to the firm for the entertainment, and also to Mrs. Howard and the ladies.

P. D. B.

Clifton Heights, Pa.

Frank Aicher has about 8000 sq. ft. of glass devoted to Violets and Sweet Peas. He has been here some 16 years and has somewhat of a reputation as a grower of excellent single Violets.

Clement S. Levis, formerly with John Burton of Chestnut Hill, has located here with some 7500 sq. ft. of glass at present devoted to Sweet Peas and Carnations. He finds it necessary to build additional glass and will also erect a propagating house 8x52 ft., within a short time.

G. D. Foster is erecting a new house to be utilized for Sweet Peas.

Geo. Christie is hard at work on general repairs, and planting his houses for Winter. Mr. Christie does not run his houses during the Summer, as he thinks a good vacation does more good than hard work.

P. M. R.

Trouble Talk

Number One

Speaking of troubles, I certainly got up against a stiff proposition a couple of weeks ago. It was like this: One of our old customers wanted a new boiler. He had 15,200 square feet of glass. The piping had been done by a local mechanic and was not graded as it should have been. After looking things over, I figured it would take one of No. 946 nine section boilers to overcome the poor grading and heat the house economically without forcing the boiler. A size smaller meant he would have to crowd the boiler for all it was worth; keep shoveling coal and run it with open dampers.

Now you know, that when you crowd a boiler, the excessive draft necessary to keep it bumping shoots a bunch of heat up the chimney. Heat that you don't get a cent out of, BUT IT'S COSTING YOU good money all the time.

Would you believe it, that tight fisted old chap wouldn't budge an inch and insisted that the small boiler would do the work.

He flatly refused to pay for an extra section needed. Neither would he consent to let one of our men come and regrade his pipes.

Did I sell him the boiler? Not on your life!

We have taken the stand, (and we are going to stand by it), THAT WE WON'T DELIBERATELY SELL A MAN TROUBLE; no matter how bad he wants to buy it.

The foreman drove me to the station and on the way down (while smoking one of my pet brand of cigars) he tipped me off that the "old man had another figure on a boiler." Come to find out, the figure was on one of those cast iron sectional boilers for dwelling heating.

The same old trick you see, of trying to pull a man's leg on price and make him think an undersized cheaper boiler will do the work!

Isn't it a fool thing to be trapped that way?

After I got back to the office, wrote "old man crusty" a letter simply saying over again, what I had already.

Didn't hear a word for two weeks.

Yesterday he wired, "Ship right sized boiler at once. Mailing check."

The old man had woke up.

The moral is: BUY A BOILER BIG ENOUGH BUT NOT TOO BIG. And buy a GREENHOUSE BOILER—a real greenhouse boiler.

Next week will tell you the troubles of a man who bought too big a boiler.

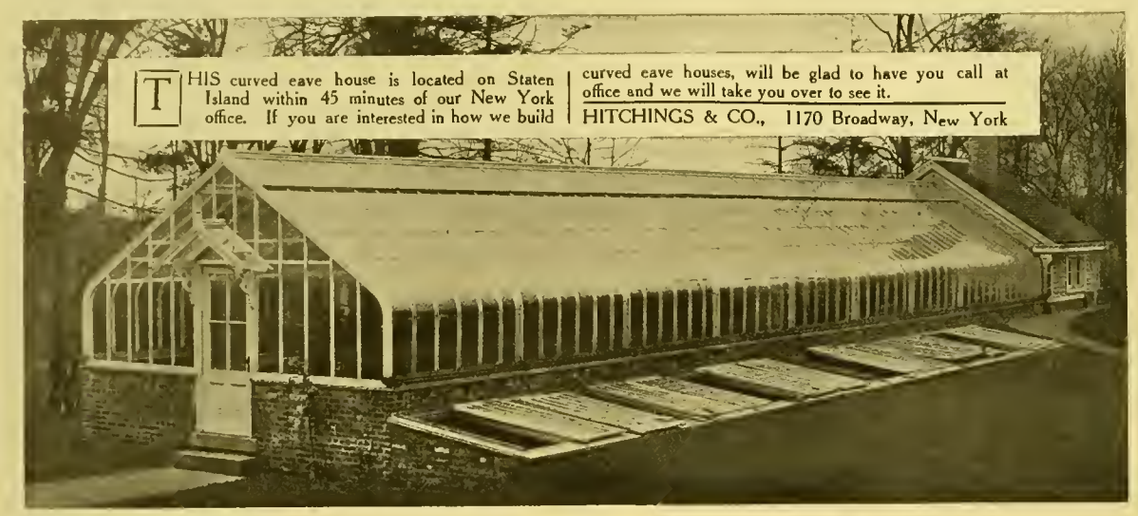
If you have heating troubles, or want to keep out of trouble, just write to me. Address your letter like this:

The Trouble Man

Hitchings & Co.

Elizabeth, N. J.

Please mention the Exchange when writing.



THIS curved eave house is located on Staten Island within 45 minutes of our New York office. If you are interested in how we build curved eave houses, will be glad to have you call at office and we will take you over to see it.

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Clear Gulf Cypress GREENHOUSE MATERIAL

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Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States



OUR NEW VENT APPARATUS Will Lift Easy 100 Feet

GREENHOUSE GLASS

20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

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GLASS

Repair Season Here
We Have the Stock
Before buying write us for prices

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Long Distance Phone Canal 880

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Greenhouse Material of Louisiana Cypress and Washington Red Cedar

Hot-Bed Sash

Greenhouse Hardware and Posts. Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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Successors to JENNINGS BROS.

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ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Portland Cement, etc. Write for what you want and prices. JOHN H. JACKSON, 10 Third Ave., Albany, N. Y.

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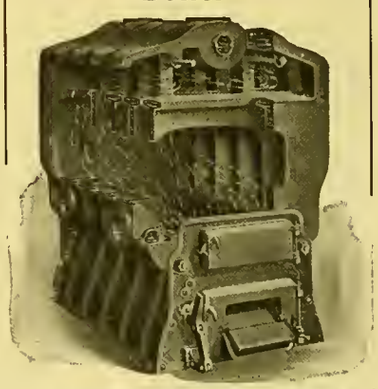
The Ideal Greenhouse Boiler



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576 to 580 Ocean Ave., JERSEY CITY, N. J.

JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

260-274 Culver Ave., JERSEY CITY, N. J.

Worcester, Mass.

Changeable weather, with one day hot and next cold, has kept the florists of Worcester busy bringing into the greenhouses their outdoor plants. Although frequent rains have prevented frosts, all growers are fearful less they suffer from heavy frosts, and they are making an effort to house all of their stock as soon as possible.

The retail stores are beginning to show signs of activity and are giving special attention to window displays. The H. F. A. Lange store is particularly attractive with Cattleyas, Oncidium varicosum Rogersii, Lilium Harrisii, Cactus Dahlias and several species of Ferns.

Harry Randall's window display this week in the shop of H. F. Littlefield is beautifully arranged. American Beauty Roses, Lilium Harrisii, Lily of the Valley, Carnations and white Asters make up the flower show, while Whitmani, Scottii and Piersoni Ferns furnish the greenery.

Allyne W. Hixon has decided to grow more Pansies this year, and to do so will use half of his Violet greenhouse. He expects to force a large quantity of the Pansies to meet the demand for these flowers. Mr. Hixon was winner of the first prize of $3 for a basket at the exhibit of the Worcester County Hort. Soc. last week.

Herbert A. Cook, Shrewsbury, who is one of the largest growers of Carnations in this vicinity, is having much success with his plants this year. He devotes eight greenhouses to Carnations alone, and supplies a number of Boston markets.

H. F. Midgley has entered the retail business and last week opened an attractive shop, at 209 Main st., fully equipped to meet the demands for cut flowers, plants, funeral and wedding designs and decorations.

W. E. Draper, another new comer in the retail business, has had an exceptionally good Summer. His greenhouses in Rochdale are reported to be doing well and will be in readiness to meet the Winter trade.

Asters are still in the market, bringing from 25 to 75 cents per doz. Lily of the Valley is plentiful at Lange's and Littlefields.

E. D.

Providence, R. I.

E. Bomeverier, manager for Mrs. Wm. Butcher, has returned from an extended foreign trip through England, Sweden, Denmark, Germany and Holland.

Mrs. Robert W. Grimes, Sweeney the daughter of Michael Sweeney, one of Providence's leading florists, died in Edgewood, Sept. 17, and was buried on the 20th.

Wm. Powell, formerly gardener for Wm. Goddard, is breaking ground for a new greenhouse for commercial purposes.

The regular monthly meeting of the Florists and Gardeners' Club of R. I. was held Monday last with Robert Johnston, president, in the chair. At the next meeting, Mr. Dillon, supt. Swan Point Cemetery, will give a talk on "Shrubs."

Johnston Bros. of Dorrance st. report business on the gain with shortage of good stock, Roses being scarce.

Miss Johnson, bookkeeper for Geo. Johnson & Son, Elmwood nurseries, left Wednesday for a vacation in the mountain district of New Hampshire. John Sharkey, with the above firm, is making preparations to soon commence planting trees for the city; he secured the contract for 5000 trees at $3 each. This house has been busy during the past few weeks with funeral work.

O. H. Williams reports business on the gain with an abundance of funeral work.

Wm. E. Chappell, secretary Florists and Gardeners' Club of R. I., reports business very good with plenty of work in planting and putting in cuttings.

Macnair reports business same as usual during Summer months but hopes soon to see a change for the better.

Florence A. Willard, Mass. ave., has much funeral work; he has recently received several cases of French and Holland bulbs which are being potted.

State of the Market

Roses, firsts, $6 to $8 per 100; seconds, $3 to $6; thirds, $1 to $3. Am. Beauty, $5 to $25.

Asters, 25c. to 75c. per 100. Lily of the Valley, $3.50 to $4. Chrysanthemums, $1 to $1.50 per doz. Galax, green and bronze, $1 per 1000. Ferns, $1.25 per 1000. Asparagus, 25c. to 50c. per bunch. Adiantum Ferns, $1 per 100. Magnolias, $1.75 per basket, domestic; $2.50 per basket, imported.

H. C. N.

Atlantic City, N. J.

The Brighton Hotel maintains a greenhouse for growing and care of the plants and flowers used in the hotel, and for sale to its guests. J. A. Shellem, the gardener, has been here for over four years and is kept busy the year round in the care of the grounds. An unusually fine specimen of Strelitzia is pointed out with considerable pride by Mr. Shellem.

The Ocean Heights Flower Shop is conducted by Miss Mary S. Fleming of Ocean Heights as an outlet for stock from her 10,000 sq. ft. of glass, in which she grows a mixed variety and from which she ships to wholesale markets. W. F. Shearn is manager of the store.

Littman, on the Boardwalk, has one of the most unique stores in the country, principally devoted to the sale of artificial plants, Ferns and pottery, of which he imports large quantities every season. The store is handsomely decorated and well lighted, which results in good business all day and part of the evening. The location on the boardwalk is one of the best in the country.

George the Florist, 1113 Boardwalk, opposite the Steeplechase Pier, reports that this Summer will see the closing out of his flower department.

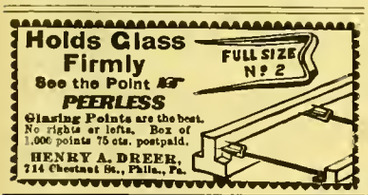
Edwards Floral Hall Co., 1700 Pacific ave., reports the building of a King house, 36x125 ft., in which to grow a mixed stock. At present time the company has a nice lot of 'Mums. Considerable concrete work is being done in the new house, and in repairing the old houses. When finished the range will be one of the most uptodate in this part of the State. Mr. Edwards has been here some 27 years and does a large amount of funeral work as well as considerable wholesale trade. The nursery department is located at Mediterranean and So. Carolina aves.

Chas. Fischer, 1516 Arctic ave., reports a good retail trade for the Summer, and considerable landscape gardening. He has been here some 43 years and has seven houses devoted to mixed stock. All the houses are being repaired and restocked for the Fall trade.

H. C. Obergfell, 2415 Atlantic ave., has two houses in which he grows a mixed stock for cut and bedding purposes, and he has somewhat of a reputation as a Hyacinth grower. A large amount of bedding work is handled here during the season. Mr. Obergfell has been interested in flowers all his life, growing them as a hobby and giving them all the attention he could spare from his retail meat store; at the present time he runs a combination store in which the sale of flowers is materially increased during the season, to his regular customers of the meat store.

Edw. A. Hall, 10 No. Morris ave., has one house devoted to mixed stock and a great number of rare plants of the old-fashioned varieties.

George H. Berke, 1505 Pacific ave., reports business as being up to standard and as good as any year of the 25 years of his establishment. Some very good orders were taken for the G. A. R. Encampment this week. P. M. R.





—TWO MEN
—ONE WRENCH
—ONE SCREW DRIVER
WILL SET UP A BURNHAM

No gang of men needed—no ropes and tackles necessary—no blocking and bracing of the sections—no brick base to build. Simply bolt up the base—set on the sections, draw them snug with the short tie bolts and your boiler is up. And when it's up, (here's the point) it keeps your coal bill *down*. We have customers who have scientifically proven it and voluntarily sent us the proof. If you are in a hurry; wire today and we will ship tomorrow.

LORD & BURNHAM CO. IRVINGTON, N. Y. | New York St. James Bldg. | Boston Tremont Bldg. | Philadelphia Heed Bldg. | Chicago The Rookery

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The Leading Firm on the Pacific Coast

CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

GEORGE C. PAPE, 2001 Addison Street BERKLEY, CALIFORN

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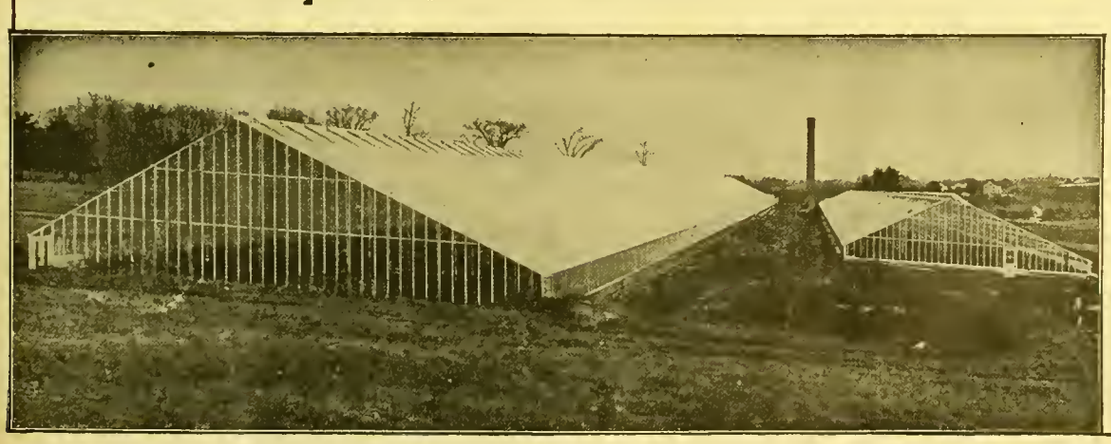
Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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WHY

ARE WE SUCCESSFUL IN

GREENHOUSE CONSTRUCTION

?

Because we know how to do it and apply to the subject scientific knowledge regarding all the strains and conditions in a greenhouse as well as a wide experience in all kinds of construction.

Write for Bulletins

KING CONSTRUCTION CO.

NORTH TONAWANDA, N.Y.

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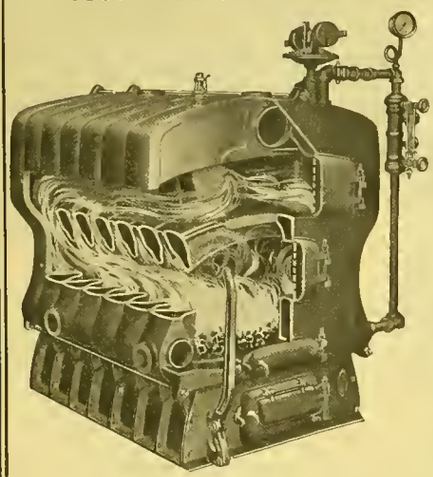
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."

For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now ! ! !

JOHN C. MONINGER CO.

CHICAGO

906 Blackhawk Street

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NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.

Prices and Catalogues on application

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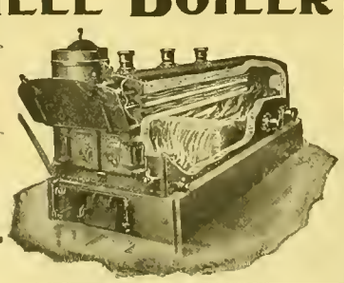
468 Erie Street, CHICAGO



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No. 455

TWO GOOD OVER HEAD FITTINGS



No. 814

Number 455 is a Swing Pipe Hanger for clamping to the columns. With the expansion and contraction of the pipes it swings back or forth. A simple, practical fitting that just fills the bill for overhead work.

Number 814 is an Overhead Header that automatically lets the air out of the pipes. It saves a lot of bother and you can always feel sure there is no air locking the circulation. Are reasonable in price.

Send for our Handy Hand Book which fully describes these and numerous hooks, spool bearers and such.

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New York	Boston	Philadelphia	Chicago
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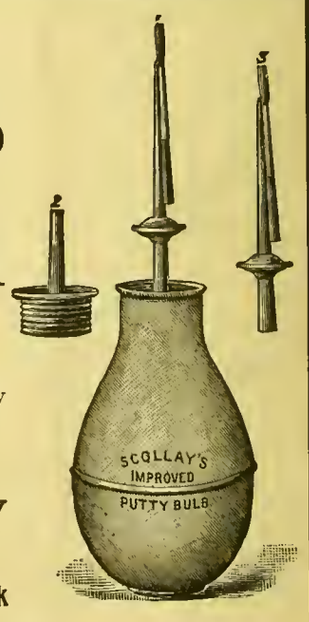
Scollay's Putty Bulb

MONEY SAVED—and that is what counts

Best Tool in Use for Glazing and Repairing



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74 and 76 Myrtle Avenue

Borough of Brooklyn, City of New York

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A. HERRMANN

Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PUR[illegible]S, PIPE, FITTINGS

VENTILATING MACHINERY

PECKY CYPRESS GLASS HOTBED SASH

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Exhibitions: VINCENT'S FOURTH ANNUAL DAHLIA SHOW
MASS. HORTICULTURAL SOCIETIE'S ANNUAL SHOW

THE FLORISTS' EXCHANGE

Amherst MASS
Widener Library
DEC 13

We are a straight shoot and aim to grow into a oigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 14 NEW YORK AND CHICAGO, OCTOBER 1, 1910 One Dollar Per Year

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Paper White Grandiflora, 14 c/m bulbs, 1000 to the case	$1.25	$11.00
Bicolor Victoria, selected double-nosed bulbs	1.75	16.00
Emperor, selected double-nosed bulbs	1.75	15.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50

TULIPS

	100	1000		100	1000
Keizerskroon	$1.25	$10.50	**Murillo**	$1.25	$10.00
La Reine	1.00	8.00	**Coronne d'Or**	1.75	14.00
Rose Grisdelin	1.00	8.50	**Gesneriana Spathulata**	1.25	9.50
Rose Luisante	1.75	14.50			

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $6.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅝ to ½ inch and up in diameter, 75c. per 100, $6.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, $17.50 per case; $45.00 per 1000.
7 to 9 inch, 200 to the case, $18.00 per case; $80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $6.00 per dozen; large specimens, 12-inch pans, $3.00 to $5.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 6-inch pans, $6.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 6-inch pans, $6.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 6-inch pans, $6.00 per dozen.
Nephrolepis Scottii. Good plants, 6-inch pans, $6.00 per dozen.

Complete list of Fall bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants ..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

RUBBER PLANTS

5-inch pots, $4.50 per dozen, $35.00 per 100. 6-inch pots, $6.00 per dozen.

ADIANTUM CUNEATUM

5 and 6-inch pots, 25c. each, $3.00 per dozen.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots $6.00 per 100.

Please mention the Exchange when writing.

Hydrangea Otaksa

Have a few hundred plants of the following:
One to two shoots ..... $6.00 to $10.00 per 100
Three to five shoots ..... 15.00 to 20.00 per 100
Six to eight shoots ..... 25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Pansy Plants

$2.50 per 1000, $20.00 for 10,000 lots.

Begonia Gloire de Lorraine

(ANDERSON'S STOCK)

Strong plants, immediate delivery.

	100
3-inch	$25.00
4-inch	35.00
5-inch	50.00

Lilium Harrisii

	100	1000
5x7, 400 to the case	$5.00	$45.00
6x7, 335 to the case	6.50	60.00
7x9, 200 to the case	10.00	90.00

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

Carnation Plants

Beacon, O. P. Bassett, Victory, Lawson, Enchantress, Georgia, White Enchantress, Winsor, Winona and **Mrs. Patten.**
$6.00 per 100, as long as they last.

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

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Geraniums

We are acknowledged headquarters for Geraniums. Let us book your order for good Standard Sorts at $2.00 per 100, $18.50 per 1000; for November and later delivery, from 2-inch pots.

CANNAS

We have them, good Standard Sorts, as low as $12.00 per 1000, for good strong divisions.

DAHLIAS

A splendid collection, at $5.00 per 100, for whole Field Clumps.

Swainsona Alba, Double Alyssum, Lantanas, Coleus, Heliotrope, Salvia, Lemon Verbenas, ready for shipment. 2-inch, $2.00 per 100; 3-inch, $3.00 per 100.

Hardy Chrysanthemums

We have a fine lot of plants, in 3-inch pots, for Fall planting, at $3.00 per 100, $25.00 per 1000.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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LAST ROSE OF SUMMER

WITH A FEW ITEMS TO FOLLOW

	100	1000
DUTCH HYACINTHS, single, all colors	$2.25	$20.00
CALLAS, 1½ to 2 in.	8.00	
TULIPS, Artus, scarlet	1.00	9.00
Belle Alliance, bright scarlet	1.75	16.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
TULIPS, Keizerskroon, crimson and yellow	1.25	10.50
Rose Grisdelin, rose and white	.95	8.00
Queen Victoria, white	.80	7.50
NARCISSUS, Bicolor Victoria	1.50	12.00
Incomp. Sir Watkin	1.25	10.00
Paper White Grandiflora	1.25	9.00
Trumpet Major	1.00	9.00
Von Sion, extra selected	1.30	12.00
Von Sion, mammoth double nose	2.25	18.50
OXALIS, Bermuda Buttercup	1.00	8.00
LILIUM Formosum, 7-9	8.00	70.00
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, French, selected	.75	6.50
French, mammoth	1.25	9.00

CHINESE SACRED LILIES.....$1.25 per basket of 30 bulbs.

ENGLISH MUSHROOM SPAWN, fresh.....$7.00 per 100 lbs.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

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CALLA ELLIOTTIANA

The Golden-Yellow Calla

READY FOR IMMEDIATE DELIVERY

Mammoth Bulbs, $20.00 per 100, $175.00 per 1000. **First Size Bulbs,** $15.00 per 100, $125.00 per 1000.

WATSONIA ENDERSII

Mammoth Bulbs, $5.00 per 100, $40.00 per 1000.

MacRORIE-McLAREN CO.

Crocker Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA

SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

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Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

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THE PRICES ADVERTISED FOR THE TRADE ONLY

Lily Bulbs

A small lot of late dug **HARRISII** "The True Bermuda Easter Lily." We have a few thousand bulbs, that we offer at a very low price, subject to being unsold.

Lilium Harrisii

5x7—400 to a case.....$14.00 per case.
6x7—335 to a case.....15.50 per case.
7x9—200 to a case.....15.00 per case.

Lilium Formosum

7x9—300 to a case.....$16.50 per case.
9x10—200 to a case.....20.00 per case.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

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C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

Narcissus Paper White



Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000
FANCY GRADE
1250 to case.....$8.50 per 1000
REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.50 per 1000

Lilium Formosum

Per 1000
7- 9 in. (300 to case).....$70.00
9-10 in. (200 to case)..... 90.00
10-11 in. (150 to case).....100.00

DUTCH BULBS NOW ON HAND

Lilium Harrisii

5-7 in.....$40.00 per 1000
6-7 in..... 60.00 per 1000
7-9 in..... 85.00 per 1000

Chinese Lilies,

Per 1000
Mammoth Size.....$55.00
Selected, 1st Size.. 30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

NARCISSUS

Paper White Grandiflora

Superior Quality

SELECTED BULBS

13 Centimeters and over

Per 100	$1.25
" 1000	8.75
" 5000	42.00
" 10,000	80.00

CHINESE SACRED LILIES

Per Basket (30 bulbs)	$1.25
" Mat (120 bulbs)	4.00

See our **Peony Offer** in last issue.

Write for Complete Peony List

Full Line French and Dutch Bulbs

Send for Wholesale Bulb Catalogue

JOHNSON SEED CO.,
217 MARKET ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

	12	100	1000
Thick petaled, extra size bulbs, 22-24 in.	$0.60	$4.25	$40.00

LILIUM FORMOSUM

	12	100	1000
7 x 9, per case 300	$0.85	$6 00	$60.00

LILIUM FORMOSUM

	12	100	1000
9 x 10, per case 200	$1.50	$10.00	$90.00

Cases at 1000 price

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Primroses

Improved Chinese Finest grown All colors mixed, single and double, strong. 2-in., $2.00 per 100.

PRIMULA KEWENSIS Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Primula Kewensis, the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.,

Cineraria, large flowering dwarf, mixed. 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum, Finest Giants Mixed, 200 seeds $1.00; ½ packet 50c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds. $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

WHITE ROMAN HYACINTHS. 12 to 15 ctm., 2000 in case, at $18.00 per 1000.

LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.

LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.

Also, **LILIUM HARRISII,** all sizes, send for prices per 1000.

J. M. Thorburn & Co., Seedsman **33 Barclay St., N.Y.**

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marienthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Dutch *and* French Bulbs

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N.Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CANNAS

prices on what you can use. Catalogue free.

We grow over one million and offer for Fall or Winter delivery as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for specia.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

BULBS

A Wholesale Stock At a Bargain

A magnificent stock of **DAHLIAS,** consisting of over 30 finest named American and Imported varieties—the cream of several Specialists' collections. These represent the five leading and most popular "Sections." They are large, full, field-grown clumps, ready for shipment about Oct. 10.

Also, some 5000 **GLADIOLI** of the **Childsii** and **Lemoine Hybrid** Strains—about half and half—both strains representing a fine mixture of colors.

This stock will make about a carload, and so reduce transportation to a minimum.

This is a bargain for someone.

Write for particulars.

J. W. KUHN, Belleville, Kans.

Please mention the Exchange when writing.

Look! CANNAS For Fall Delivery

Divided Roots

King Humbert, $4.00 per 100. **Improved Mont Blanc,** $7.00 per 100. **Wm. Saunders,** $8.00 per 100. **Minnehaha,** $20.00 per 100. **Wawa,** $15.00 per 100. **Rosea Giganteu,** $12.00 per 100. **VINCA Variegata,** field stock, $4.00 per 100, ready now. Rooted **Campbell Violet,** runners, $10.00 per 1000, ready now.

A. B. CAMPBELL, Canna and Violet Man **Cochranville, Pa.**

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC.—Sept. 19.—P. E. Anderson, 5 bags seed. Sept. 20.—W. Elliott & Son, 20 cases bulbs; R. M. Ward & Co., 138 cases bulbs; C. C. Abel & Co., 87 cases bulbs; Davies, Turner & Co., 1 case bulbs; Vaughan's Seed Store, 9 cases Mushroom spawn; Amermann & Patterson, 14 cases trees; P. C. Kuyper & Co., 26 cases bulbs; F. R. Pierson Co., 21 cases bulbs; Maltus & Ware, 655 cases bulbs, 4 cases living plants. Sept. 21.—J. M. Thorburn & Co., 1 bag seed, 6 cases Mushroom spawn; Patterson, Wylde & Co., 18 casks seeds; Vaughan's Seed Store, 9 cases Mushroom spawn. Sept. 22.—J. M. Thorburn & Co., 15 bags seed.

European Notes

The month of September leaves us in a more hopeful frame of mind than at one time seemed possible, for although King Sol still hides his face in an apparently impenetrable mist, we are favored with drying winds which have a very beneficial effect upon our growing crops.

As is to be expected, the Peas claim our first consideratiou, and all practical seed growers will appreciate what is implied by "picking them out of the weeds." That is just what it amounts to this year, and while this involves a lot of extra expense, it may be the meaus whereby some of our most valuable lots of stock Peas may yet be saved. In face of a shortage, which is practically universal, this is money well spent.

Some folks are of opinion that, owing to the excessively high price, there will not be so many planted next year. The last mentioned clause is quite true, but it will not be for the reason stated.

The report on crops of early Turnips on page 499 of The Florists' Exchange was based upon a few threshings which had then been made, principally of the white, flat, strap leaved variety. Unfortunately, other and more popular kinds do not give the same results, the crops of such sorts as White Egg, Purple Top, Strapleaf, and Purple Top Globe being especially poor. So far as the bulk of seed is concerned there is very little dif-



"NOT HOW CHEAP— BUT HOW GOOD"

Horseshoe Brand Formosa Lilies

In all sizes ready for shipment

Write for prices

RALPH M. WARD & CO.
12 West Broadway
NEW YORK

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5 00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8 00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN

New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN

Brilliant. Deep crimson, extra.
Excelsior. White, claret base.
Grandiflora alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.
Prince of Wales. Giant bright red.
Rosy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful salmon pink.
Sunray. Pink, claret base.
Finest Mixed, all colors.

The above varieties, 100 seeds, **$1.00**; 1000 seeds, **$8.00.**

FOTTLER, FISKE, RAWSON CO. FANEUIL HALL SQUARE, also 26 SOUTH MARKET STREET **Boston, Mass.**

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. **50** cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., **50** cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Just Arrived

Cyclamen Seed, Giant English strain, very finest obtainable, $1.00 per 100 seeds, $9.00 per 1000 seeds.

Pansy Seed, none finer offered. $5.00 per ounce, $1.50 per ¼ ounce.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

STOKES' STANDARD CYCLAMEN SEED

Stokes' Giant Pure White
Stokes' Giant Crimson
Stokes' Giant Rose
Stokes' Giant White Red Eye
Stokes' Giant Papilio or Butterfly
Stokes' Giant Rococo Mixed

Price of above: per 100 Seeds 65c; per 1000 $5.00.

PAPER WHITE NARCISSUS

Fancy grade—1250 to a case. Per 1000, $8.25. 5000 lots, at $8.00.

FRENCH ROMAN HYACINTHS

White (12 to 15 ctm.) Per 1000, $24.00.

TULIPS, HYACINTHS, NARCISSUS

LET ME KNOW YOUR WANTS

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

ference, but when it is milled the light, worthless screenings vary from 15 to 25 per cent. of the whole. This additional shrinkage is a veritable disaster. It is, of course, due to the same cause which produced the defective Radish last year, viz.: absence of sun, without which no grain ever arrives at maturity.

It is certain that such seed cannot retain its germinating power for a long period; the shortage may therefore be a blessing in disguise.

An extraordinary demand from your side for Spinach has already cleared out the anticipated surplus.

EUROPEAN SEEDS.

American Notes

Trade Steadily Good

So warm has the weather persistently continued for September, that no great impetus has yet been felt in the way of Fall bulb sales. In other words, the rush in this line is still ahead of us. Nevertheless, the seedsmen are very busy; in fact, more so than a year ago at this time. Everything that is seasonable is selling and in good quantity, and the moment we do have a hard frost, which cannot now be such a very long distance away, one of the liveliest Autumn seasons in many years will open in reality.

Bulb Qualities

A year ago at this time the writer called the attention of the trade to the fact that our Holland friends seemed to have at last grasped the idea that we have an outlet for a much better quality of bulbs than it has been the custom to send to this country for the past decade, and last year better bulbs than ever before were received, on the average, by the American seed houses. Again, it was noted in these columns, a year ago, that if such good qualities of bulbs continued to be yearly received from Holland as those sent us last year, and, it may be added, as those so far received this season, there is no question whatever but that the sales of these stocks will very rapidly increase in this country. There is certainly no reason why the American seedsman should not receive Dutch bulbs of the same quality as are sent from Holland to other countries, especially to England for, certainly, our bulb buyers are most willing to pay the price necessary to secure these fine bulb stocks. Let us hope that the day of discrimination in Holland in the distribution of its bulbs is past, and that America will receive its fair proportion of fine bulb stocks in the future.

Bulb Advertising

The season is now here when bulb advertising is in order and a few words cannot but be appropriate at this time to earnestly call the attention of seedsmen and dealers who handle Fall bulbs to this matter. No more attractive advertisements can be made than those devoted to bulb stock. The moment we have a hard frost a strong demand for bulbs of all kinds will spring up, and in order to take advantage of the short bulb selling season advertising should be prepared and placed at once along these lines.

Plant Auction Sales

The plant and bulb auction sales are now in full swing in all our large cities, and it is very pleasing to note that of late years every member of the trade has recognized the fact that these sales do a great deal of good to every line of horticultural trade by stimulating a demand for plants among the general public, which certainly creates a very healthy feeling. It is not so very long ago that plant auction sales were looked upon as a detriment to legitimate selling, but it is very pleasing to note that this sentiment has entirely changed and everyone, without exception, recognizes the good that the auction sales are doing.

What a Hard Frost will Mean

If there be any dealer or seedsman who handles bulbs and nursery stock and has not made ample arrangements for a larger supply, the demand for which will set in the moment we have a hard frost, such dealers should, without a moment's delay, cover for the unusually large sales that are sure to be his the moment the

Tree Seed For Sale

Camphor, Holly, Magnolia Grandiflora, Juniperus Barbadensis, Sabal Palmetto, Blue or Porcupine Palmetto. Price $1.00 per pound. Cash. Special prices on large lots.

T. K. GODBEY, Waldo, Florida

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

JONQUILS Campeoelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.50 per 100; $16.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.

WEEBER & DON

SEED MERCHANTS and GROWERS

114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.



Michell's "Distinctive" Quality

French White Roman Hyacinths

For years we have supplied an exclusive quality of Roman Hyacinthe and we are pleased to announce that our 1910 supply is again excellent. The uniformity in size of bulbs, the readiness to force, the splendid size and quality of flowers, the glistening whiteness in purity, are all points which, combined, make our **Quality Distinct.** No Florist can afford to be without them.

	Per 100	Per 1000
FIRST SIZE, 11 to 12 ctms	$2.25	$20.00
MEDIUM SIZE, 12 to 13 ctms	2.50	23.00
SELECTED SIZE, 12 to 15 ctms	2.60	24.50
EXTRA SELECTED, 13 to 15 ctms	3.00	28.00

READY FOR IMMEDIATE SHIPMENT

Our Leading Specialty—Michell's "Distinctive"

NARCISSUS PAPERWHITE GRANDIFLORA

Our sale of this important bulb has during the last few years increased to such proportions that we can positively claim to be the largest importers of this bulb in America. A proof by itself of the **distinctive meritorious quality** of **Michell's Bulbs.** Notwithstanding the high quality, it is our prices which win us new friends. Just compare.

	Per 100	Per 1000	Per case of 1250 bulbs	Per 4 cases or 5000 bulbs
FIRST SIZE, 13 ctm. and up	$1.00	$9.00	$11.00	$43.75
			Per case of 1000 bulbs	Per 5 cases or 5000 bulbs
MONSTER BULBS, 14 ctm. and up	1.30	11.00	$11.00	$53.75

PROMPT SHIPMENT GUARANTEED

A Profitable Flower

FRENCH GROWN NARCISSUS TRUMPET MAJOR

If planted immediately these can readily be forced for Christmas and will sell at big prices. While the quality of the flowers is fully equal to the Dutch-grown Trumpet Major, it is **only the French-grown** which can be forced early and we offer "Distinctive Quality" Bulbs.

	Per 100	Per 1000
FIRST SIZE	$1.25	$11.00
MAMMOTH BULBS	1.50	12.50

Henry F. Michell Co.

Our Complete Offer of "DISTINCTIVE" FLORISTS' Bulbs, Seeds and Supplies FREE

Market St., above Tenth
PHILADELPHIA, PA.

Please mention the Exchange when writing.

freezing nights kill the bedding stock and make all kinds of Fall planting in order; for the best authortiies agree that we are destined to have a much better Fall season than has been experieuced for a great many years along these lines.

V.

New York Seed Trade

Business has lacked a little snap the past week owing to the exceedingly warm weather. In other words, Fall bulbs have only sold slowly, especially at retail. Everyone is waiting for frost which will start the bulb orders with a rush.

David S. F. Adam has completed the special work he has been doing for "Buds" Seed Store.

J. Candy, of Peter Henderson & Co., returned last Saturday on the American liner St. Louis from quite an extended trip abroad.

The Stumpp & Walter Co. has been making, during the past week, a most attractive display of cut Aster blooms in many of the better varieties. This house also has an attractive window of Japanese plants.

Peter Henderson & Co. the past week have been making a display, in one of their large show windows, of Squashes and Pumpkins, which has attracted more than usual attention. During the week they also placed on exhibition a very fine collection of cut blooms of Cannas.

There would seem to be a tendency in the trade to make undue concessions for several varieties of bulbs, but thus early this would seem unnecessary, as a sharp frost will lead to more shortages than surpluses.

J. M. Thorburn & Co. are redecorating their show windows, finishing the same in white.

On September 24 C. Freriks, representing F. R. Pierson Co. of Tarrytown, N. Y., sailed for home by the S. S. Noordam from Rotterdam, after an extended trip in the interests of his firm.

Vaughan's Seed Store is very much pleased with the way the retail trade is starting for bulbs, and predicts an especially active season just as soon as cooler weather sets in permanently.

Alfred Emerich, representing Vilmorin, Andrieux & Co., Paris, France, is expected to arrive in New York about Oct. 1, per S. S. "La Provence," on his annual visit to the American seed trade. During his stay in New York his headquarters will be with H. Frank Darrow, 26 Barclay st., New York City.

Order Now from Our Surplus Stock

FREESIAS, 1-2 to 3-4 inch (Samples upon request)
LILIUM FORMOSUM, all sizes

WRITE FOR PRICES

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., New York

Please mention the Exchange when writing.

Philadelphia Seed Trade

The seed stores this week all look like a combination of Holland, France, and the Bermudas. There was a sea of bulbs last week, but this week there are oceans of them. The several seedsmen seem perfectly confident that they will sell all of these bulbs, in fact they say that the sales are very large now.

The seedsmen admit that they are still selling some Timothy Grass seed at a slightly reduced price, and also some Wheat seed at $1.50 to $1.75 per bushel, but it is hard to get them to talk of anything else but bulbs. They are, however, stealing a little time to study the report of the percentages of seeds which will be delivered to them on their contracts, and they are wondering from what source they will be able to fill the shortages. Notices from some of the large foreign houses that there is a still further advance in the prices of all biennial seeds is not at all comforting to any who are short on these. Is there any one who is not?

S. P. Dicks of London, Englaud, on his way home from California, called recently on Walter P. Stokes.

The Moore Seed Co. has adopted the plan of displaying with each kind of bulb a colored picture of the flower which that bulb produces. This plan is very helpful to counter buyers not much acquainted with bulbs.

The Herbert Johnsons, Sr. and Jr., of the Johnson Seed Co. have both returned from their vacations at Cape May and Atlantic City, where they have been for several weeks. Mr. Sherry of this company attended the Interstate Fair at Trenton, N. J., this week.

At the Michell store at 518 Market st., Philip Freud, the company's decorator, has been at work. A lawn which looks so green that it surely must have been sown with "Michell's Evergreen Grass Seeds" occupies most of the space in one window. On one side of this lawn is a border of Dutch Hyacinths in bloom. The flowers, to be sure, are artificial, but the imitation is fairly good. It shows what can be done in Nature. William A. Taat, who has just come over from Holland, was a caller at the Michell store at 1018 Market st. recently. At this store there was a very fully attended Dahlia show from Sept. 27 to 30 inclusive; the

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

THE EXCHANGE—Best Advertising Medium

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants. In Mixed and Separate Colors, $3.00 per 1000; $2.50 per 1000, in 5000 lots. Fine, Stocky Plants.

Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS

Lock Box 254 SOUTHPORT, CONN

Grower of the Finest Pansies.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARM

Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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exhibits were very numerous. Prizes were awarded to several private gardeners for exhibits of blooms of Delice, Jack Rose, Mrs. Roosevelt, Lyndhurst, William Agnew, C. W. Bruton, A. D. Livoni and Maid of Kent. First and second prizes were given for each variety, a vase of twelve blooms being required in each exhibit; also for a collection of twelve vases, six blooms to the vase with no restrictions in regard to varieties. In this last named class, especially attractive and meritorious were the exhibits of Kriemhilde, Countess of Lonsdale, Roland Vanvertine in the Cactus class; Miss Nellie Stewart, Sylvia, and Delice in the Decorative class; Goldsmith, Yellow Duke, Arabella, Lyndhurst, Gold Medal, White Swan, and Mad. A. Lumeret in the Show class. For a store show the arrangement was very good indeed, and reflected much credit on Philip Freud, who had charge of the show. The showing of several blooms to each vase added much to the artistic effect, and the use of blooms with full length stems, gave a much better opportunity to judge of their commercial value. At the time of our going to press the prizes had not been awarded. Frederick J. Michell, Sr., attended the Richard Vincent, Jr. & Co.'s Dahlia show at White Marsh, Md., on Tuesday.

There is always something new and interesting in the windows of Henry A. Dreer's store at 714 Chestnut st. This week one window is literally filled with Gourds, some twenty-five varieties; also some Turban Squashes, well named from their shape, and very true to the type. The Egg, Orange, Pear, Apple, Bottle, Dipper, and Hercules Club Gourds were especially well grown, and could be easily recognized even had they not been labeled.

Short Crops and the Results

With some exceptions, for several years past the world's new crop of garden seeds after every harvest has been less than provided for at seeding time; and the harvest of the year 1910 acutely accentuates those conditions of the past, for both in America and Europe the returns on three-fourths of the varieties of vegetable seeds grown are calamitous and if it were not for the over-contracting by seed merchants, and the over cropping by seed growers the world over, the conditions would be those of a very great disaster, and even now are so as respects quite a number of families of seeds.

Consequently, thoughtful seedsmen view with much apprehension the too general disposition in the wholesale seed trade, when placing contracts for future supplies, to "plunge" or double, frequently triple, the quantity of the estimated requirements on nearly every item, on the supposition that short crop returns will continue another year; but such will not always continue; probably next year there will be full, and, possibly, doubly full crops, when 100 per cent. of everything of crop 1911 will be supplied by farmer growers, and the farmer growers still have 100 per cent. on their hands which must be sold even at one-half the cost of growing.

The effect of this would be such a slump all around as to bring about a calamity to the seed trade, the results of a full or over full crop being that those merchants who ordered twice or thrice their wants will have to take the seeds, pay for them, warehouse them and carry them for one or two years, and be most severely crippled by the locking up of their capital in cheapened stocks; or, on the other hand, at shipping time merchants will reject the growing contracts and throw the seeds back on the hands of the growers, who in consequence will go "dead broke." BURNET LANDRETH.

A New African Vegetable

A new leguminous plant with underground fruit like that of Arachis hypogæa and Voandzeia subterranea, which has been named after its discoverer, Voandzeia Poissoni, is described in a recent Bulletin of the French Academy of Sciences. The French naturalist, Poisson, found this plant in cultivation in some districts of Dahomeyland, where it goes under the names of Doï, Dohi, Nadou, or Sui. It is sown in sandy soil in May or June, the middle of the rainy season, and harvested four or five months later. It is known only in the state of cultivation. It is an annual, growing to a height of 2 in. to 3 in., with trailing stem, sending out many slender suckers, partly buried. The flowers, growing in pairs, or singly, are yellow. The underground fruit is nearly round, with thin, leathery, crinkled skin, enclosing one or two round seeds of the size of a large pea, and of different colors, according to the variety, but most often white, black, red or marbled. Its seed may be eaten like our Beans, and reminds us of our best varieties. It is sold in large quantities in the market of Abomey, where it is considered a choice food. In Dahomeyland the chiefs only may eat of it and, according to the customs of the country, women are formally forbidden to partake of it. As the saying there goes: it is food for men. The French are introducing it into their tropical and subtropical colonies, as a most desirable vegetable.—*Revue Horticole.*

HARDY CHRYSANTHEMUMS

IT will be admitted we are offering below a splendid list of these popular plants, both in the Pompon and Large Flowering types. Delivery will be made in October in strong field roots, just what is needed for Winter propagation. File your orders now.

Anna Mary, (Pompon), salmon pink.
Ashbury, (large flowering), sulphur white.
Blushing Bride, (P.), clear pink.
Brown Bessie, small, globular, brown.
Dawn, (P.), Daybreak pink.
Dundee, (P.), maroon shaded scarlet.
Gladys, (L.), pearl pink.
Golden Pheasant, small, round yellow.
Jerry, (L.), pretty lilac rose.
L'Ami Courderchet, (P.), dainty sulphur white.
Model of Perfection, small, round white.
Mrs. Snyder, (L.), clear yellow.
Patterson, (L.), beautiful old gold, shaded darker.
President, (L.), rich purple crimson.
Princess of Wales, (L.), white.
Regulus, (L.), bright terra cotta bronze.
Rosinante, (P.), blush rose, very dwarf, distinct and beautiful.
Salem, (L.), silvery rose.
St. Alamo, (L.), extra fine white.
Sunshine, (P.), golden yellow.
Tiber, (P.), light bronze.
Trojan, (P.), maroon, dwarf and very free.
Willie, (L.), lilac and white.

Any of above, **75c.** per doz., **$5.00** per 100.

AMON HEIGHTS NURSERIES, Merchantville, N.J.

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SPECIAL OFFER

We will give one copy Plant Culture and The Florist's Exchange two years, all for $3.00.

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NEW, THOROUGHLY REVISED EDITION. JUST PUBLISHED

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A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

This reliable cultural work has been gotten up for use, not ornament; therefore the price has been fixed at a figure within the reach of all. It contains more real practical information for those for whom it is intended than is found in much more pretentious works.

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Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2 Duane Street NEW YORK

F. E. — Alive and Up-to-Date

Washington, D. C.

The extended drought is seriously hurting all outside crops, especially Dahlias. The Aster season is about over this week.

Sept. 27 being "Florists' Day" upon the occasion of the celebration of the fourth annual Dahlia Show and Harvest Home Festival given by R. Vincent Jr. & Sons Co., White Marsh, Md., the Washington florists are invited to participate with those of Philadelphia and Baltimore in making this a gala day. Remembering with great pleasure their former visits, quite a number of the local craft expect to go again on the 11 o'clock train, on the morning of the 27th.

O. A. C. Oehmler, who has been sick for some days, expects to go to a local hospital for a minor operation during the next fortnight.

Gude Bros. Co. did considerable decorating during the week for the Berberich's Shoe Store, upon the occasion of its opening.

William Marché is holding a special Palm sale.

A special and very important meeting of the flower show committee was called by Chairman Wm. F. Gude, at his store, on the evening of Sept. 21, and considerable business was transacted. It was decided to send individual letters to the local and out-of-town growers and retailers, asking their co-operation in making the forthcoming exhibition the banner event in the Club's history.

There will be about 10,500 sq. ft. of floor space to fill and, as stated heretofore, this will be free to the exhibitors.

It was further decided that under no circumstances would applications for space be received after October 15, so those desirous of making entries should write as early as possible either to the chairman, Wm. F. Gude, or the Club's secretary, O. A. C. Oehmler, 1214 F. st., N. W., Washington, D. C. A large sign on Convention Hall is already in place advertising the exhibition.

The full flower show committee consists of: William F. Gude, chairman; John Robertson, president of the Club; O. A. C. Oehmler, secretary of the Club; E. C. Mayberry, Wallace W. Kimmel, George H. Cooke, and Jas. L. Carbery.

The first Violets of the season made their appearance from local sources during the week.

During the week the second annual exhibition of flowers, fruits and vegetables was given at Brookland, D. C., under the auspices of the Brookland Brotherhood. This is a local organization composed of citizens who take pride in producing the best possible results from the soil, and their exhibition was most creditable. Chas. Henlock, assistant in charge of the U. S. Propagating Gardens, Prof. Corbett of the Maryland Agricultural Experiment Station, and Director Ralph of the Bureau of Engraving and Printing were the three judges.

A. W. Hammer of Chicago is visiting his father and brothers in this city. J. M. Hammer, after an illness of three months, is recovering.

The next monthly meeting of the Florists' Club, which will occur on the first Tuesday in October, will be held in the conservatory of F. H. Kramer, at 916 F. st., N. W. A large attendance is hoped for, as matters of importance in relation to plans for the annual Fall flower show are to be discussed.

The first Chrysanthemums of the season, Golden Glow, made their appearance the latter part of last week.

JAS. L. CARBERY.

SCOTLAND'S FLOWER
THE HEATHER

Read its absorbing history, its legends, traditions, poetry and songs.

A most acceptable Christmas present for Scotch folk and lovers of things Scotch.

The book is beautifully illustrated; a spray of heather in natural color forming an appropriate frontispiece.

A. T. DE LA MARE PTG. & PUB. CO., Ltd

VOLUME 1 NUMBER 13

BODDINGTON'S STORE NEWS

SATURDAY, OCTOBER 1st, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Boddington's Bulbs Bloom

COLD STORAGE LILIES

We have a small surplus stock of the following that will produce from 10 to 15 flowers to the bulb in December and January when flowers are scarce, and offer till sold as follows:

Lilium Speciosum rubrum, 13 inches and over in circumference, 70 bulbs to a case, $3.50 per 12, $25.00 per 100.

Lilium Speciosum Melpomene, 11 to 13 inches in circumference, 100 bulbs to a case, $2.00 per 12, $15.00 per 100.

Lilium Spectosum Melpomene, 13 inches and over in circumference, $3.50 per 12, $25.00 per 100.

LILY OF THE VALLEY (Cold Storage)

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc.

FOR IMMEDIATE DELIVERY

FRENCH ROMAN HYACINTHS

Romans are an indispensable flower from Thanksgiving until Easter. We import only stock true to size, and well-ripened bulbs.

	100	1000
White. 12 to 15 centimeters, "Quality Brand"; 2,000 bulbs in a case	$2.85	$26.00
White. 12 to 15 centimeters, "regular stock"	2.75	25.00
White. 13 to 15 centimeters, "Quality Brand"; 1,750 bulbs in a case	3.00	29.50

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00
7- to 9-inch, 200 bulbs in a case	1.25	9.50	90.00

FREESIAS (French-Grown)

	100	1000
Bnlbs, ⅝ to ½ in. in diameter	$0.75	$6.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

PAPER WHITE NARCISSUS GRANDIFLORA

With the **florist** is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

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It's a Real Pleasure to Sell Heacock's Fine, Home-Grown Palms



Your customers get the kind of quality they like when you sell them Heacock's Palms—and *you* get the kind of returns you like. It's a real pleasure to handle our Palms—they are sure to please the most particular of your customers—and besides, they enable you to make money in three ways:

First, you can sell them on a good margin.
Second, they "move" quickly—don't tie up your floor and counter space for long at a time.
Third, there need be no loss by their perishing on your hands—a little attention from one of your clerks will keep them in first-rate shape. This is because they are grown by Palm specialists from seed to mature plant, right here in our own houses.

There's money for YOU in handling our Palms—we can prove it by hundreds of firms who have been our customers for years. Here are our prices, and the stock was never better—let us hear from you NOW.

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz.
6-in. pot	5 to 6	28 to 30	$1 00	$12 00
6-in. pot	6	34 to 36	1 50	18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot, 4 plants in pot	36	$2 50
7-in. tub or pot, 4 plants in pot	36 to 40	3 00
9-in. tub or pot, 4 plants in tub	42 to 48	5 00
9-in. tub	4 plants in tub	4 ft. high, heavy 6 00

ARECA LUTESCENS

	In. high	Each
6-in. pot, 3 plants in pot	26 to 28	$1 00
7-in. pot, 3 plants in pot	30 to 32	1 00
8-in. pot, 6 plants in pot	36	2 50
8-in. pot, 3 plants in pot	42	3 00

COCOS WEDDELIANA

	In. high	Per 100
2¼-in. pot	2 to 10	$10 00
2½-in. pot	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz.	100
5-in. pot	6 to 7	18		$6 00	$50 00
6-in. pot	6 to 7	22 to 24	$1 00	12 00	
8-in. pot	6 to 7	24 to 28	1 25	15 00	
8-in. pot	6 to 7	26 to 28	1 50	18 00	
7-in. tub or pot	8 to 7	34 to 36	2 50	30 00	
7-in. tub or pot	6 to 7	38 to 38	3 00		
7-in. tub or pot	8 to 7	40 to 46	4 00		

	Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48	very heavy $5 00
9-in. tub	8 to 7	48 to 54	very heavy 6 00
9-in. tub	8 to 7	5 ft.	very heavy 8 00

CIBOTIUM SCHIEDEI

Ready Now; Stock limited.		Each
9-in. tubs	4 to 5 feet	spread $6 00
9-in. tubs	6 ft.	spread 7 50

PHOENIX ROEBELENII

	Each
5-in. pots, nicely characterized	$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00

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Joseph Heacock Co., Wyncote, Pa. Railway Station: Jenkintown

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PROSPERITY! PROSPERITY!! PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with Araucarine fine,
With Ferns that are better than before;
For Palms that are stately should in our windows shine,
So our stores will have patrons evermore.
Let us wend our way to Aschmann's and choose the best he grows
(The plants that we need he has galore),
And, as we count our profits, see the end of all our woes,
While hard times come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 50c.

ASPARAGUS Plumosus Nanus, 2½-in., 2c.; 3-in., 5c.; 4-in., 10c.

ASPARAGUS Sprengeri, 2½-in., 2c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and Boston, extra good value, 5½-6 and 7 in. pots, 35c.-40c.-50c.-75c. each. Special to close out: **Whitmani and Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, $3.00 per 100.

ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.

CINERARIA Hybridum, 2-in. pots, $2.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.

RUBBER PLANTS, 6-in., 40c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.

Cash with order, please.

All goods must travel at purchaser's risk.

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.

ARAUCARIA Robusta Compacta, $1.00, $1.25.

ARAUCARIA Excelsa, top cuttings, no seedlings, 5-6-7 in. pots, 3-4-5-6 tiers, 12-15-18-20-26-30 in. high, 40c.-50c.-60c.-75c.-$1.00-$1.25-$1.50.

KENTIA Forsteriana, 4-6-7 in. pots, 20-25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.

KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-35-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.

COCOS Weddelliana, 12 to 15 in. high, 15c.-20c.-25c.

SAGO PALMS, Cycas Revoluta, 6-7-8 in. pots, 5 to 20 leaves to the plant, 10c. per leaf.

GODFREY ASCHMANN

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ROOTED CUTTINGS.

Cheaper than the Cheapest,
Good as the Best.

S. A. Nutt ..... $11.50 per 1000
Ricard ..... 14.00 per 1000
Poitevine ..... 14.00 per 1000

Grown right—Rooted right
Packed right—Named right.

All sold until Nov. Better get your order placed for Nov. delivery.

COLEUS

Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

ALBERT M. HERR, Lancaster, Pa.

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Geraniums

S. A. Nutt, Beaute de Poitevine, John Doyle, La Favorite, Jean Viaud, A. Riccard, Castellane, Madam Lantry, E. G. Hill.

2½ inch $25.00 per 1000

Ready in November

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Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder,** 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

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154 Van Vranken Ave., SCHENECTADY, N. Y.

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Geraniums

Strong 3-in. **Nutt** and **Ricard,** $2.50 per 100, $20.00 per 1000; 2-in. **Nutt, Buchner, Ricard,** $1.50 per 100. Transplanted Rooted Cuttings, strong, of all Standards, $12.00 per 1000, $1.50 per 100. Cash, please.

RUDOLF NAGEL, Lancaster, Pa.

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GERANIUMS

Rooted Cuttings ready last of October. **NUTT** and **BUCHNER,** $10.00 per 1000. **POITEVINE, RICCARD, DOYLE** and others, $12.50 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Greenhouse Building

CEDAR FALLS, IA.—Jos. Bancroft & Son are building additions to their large greenhouse on Twelfth st.

LYME, CONN.—John Trotter has erected the frame of his new greenhouse and has had most of the glazing done.

DEPOSIT, N. Y.—A. E. Kingsbury has the frame up for another greenhouse on his Wheeler st. property, about the same size as the one built a year ago.

SUPERIOR, WIS.—Work on a $6000 greenhouse range to be built on the corner of Susquehanna ave. and Twenty-first st. by the Superior Floral Co., of which G. Tjensvold is the principal stockholder, has been started. The houses will be 100x200 ft.

MARSHALLTOWN, IA.—Wm. H. Ford, florist and gardener, of 1400 East Nevada st., who recently purchased the C. W. Caton residence at 107 South Third ave., intends to build a greenhouse, show house, office and store combined, some time this Fall or during the Winter?

COUNCIL BLUFFS, IA.—F. L. Lainson, 1309 Canning st., is to expend about $12,000 on his greenhouse plant. He has added to his area under glass about 35,000 to 40,000 sq. ft. Extensive improvements have been made on the mammoth greenhouse of J. F. Wilcox. When the improvements are completed he will have 650,000 sq. ft. under glass. Thomas Capel, 1270 Pierce st., has built a new boiler room in his greenhouse and installed a new boiler and has added largely to his area under glass. The cost of the improvements will not be less than $5000. Henry Meyer, 321 Benton st., has torn down his greenhouses and is to rebuild and enlarge them. L. H. Reams, 500 North Twenty-sixth st., has enlarged and improved his greenhouse plant at a cost of several thousand dollars.

The King construction Co., of North Tonawanda, N. Y., are erecting private greenhouse ranges, etc., as follows: William F. Taubel, Riverside, N. J., curvilinear greenhouse, 95 by 22 ft., with two partitions, and passage connecting a service building; all complete with the exception of the masonry work, benching, and heating. A. C. Harrison, Oreland, Pa., a 75 ft. curved glass eaves house, with two partitions, and ornamental service building. William Pierson Hamilton, Sterlington, N. Y., one even span greenhouse, 25 by 125 ft., divided into three compartments, with a vestibule in front and a passageway connecting to the service building. John Henry Hammond, Mount Kisco, N. Y., a 50 by 18 ft. even span greenhouse, with service building. W. B. O. Fields, Lenox, Mass., a 42 by 14 ft. curved glass eaves house. Countess Santa Eulalia, Ashbourne, Pa., one leanto 7 by 50 ft.; one Palm and Orchid house, 22 by 75 ft.; one 'Mum house, 20 by 75 ft.; and one Grapery, 58 by 22 ft., with three connecting passageways. All these are private houses and are more or less ornamental and elaborate.

BROCKTON, MASS.—Mrs. Lizzie Reed, florist, has moved from the store in the Hotel Belmont to Main st.

EVANSTON, ILL.—Fischer Bros., florists, have purchased the stock and florist business of Otto Halbe and will combine the business with their own.

Your Money is well spent when you Advertise in THE FLORISTS' EXCHANGE

BOOKS

Every one who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

We are in a position to supply these as far as concerns the florist, nursery and seed trades.

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GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: **Nutt, Buchner, Viaud, Castellane, Jaulin, Boyle, Grant, Ricard** and **Poitevine,** $10.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

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Geraniums

Rooted cuttings, October delivery. **S. A. NUTT, BUCHNER, DOYLE, CASTELLANE, VIAUD, RICARD, POITEVINE,** $10.00 per 1000.

CASH WITH ORDER.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GENISTAS

in sizes. Send for prices.

DRACÆNA INDIVISA, 2½ inch stock, extra strong, 6 cents each.

TABLE FERNS, bushy, out of 2½-inch pots, mixed. 3½ cents; 4-inch, 7 cents.

BOSTON FERNS, ready for your store trade. Write me your wants.

Cash with order, please!

H. E. LE PAGE,

STAMFORD, CONN.

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $6.00 per 100.

BEGONIA Vernon, 4-in. pots, in bloom, $1.00 per doz.

STEVIA, dwarf, 4½-in. pots, $1.00 per doz.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

RUBBER PLANTS, 5-in. pots, 25c. each; 6-in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $2.00 per 100.

BOSTON FERNS, 4-in. pots, $1.50 per doz.; 5-in. pots, $2.00 per doz.

DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.

CINERARIAS, Finest Varieties, 2½-in. pots, $3.00 per 100.

GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.

CARNATIONS, The Queen, started in 4½-in. pots, $6.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES

WORCESTER, MASS.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and **Golden Gate,** 3-in., $5.00 per 100; **Killarney,** 6-in., 35c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Riccard, Buchner, Poitevine, R. C.,** $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . . . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00
7-in. pots, 3 plants in a pot, 36 in. high	2.50

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.

5-in. pots, 18 to 24 in. high, splendid plants, 75c. ea.

7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

4-in. pots, $3.50 per doz., $25.00 per 100.
5-in. pots, $6.00 per doz. (Nicely characterized.)

Phoenix Rupicola

	Each
Good 6-in. pots	$1.50
Good 8-in. tubs	2.50

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25
6-in. pots, nicely characterized	2.00

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

FINE FERNS

Nephrolepis Bostoniensis

(The Boston Fern)

	Each
6-in. pots	$0.50
10-in. pans	2.00

Nephrolepis Scholzeli

(Crested Scott Fern)

2¼-in. pots, $1.25 per doz., $8.00 per 100, $75.00 per 1000.

6-in. pans, 50c. each. 10-in. pans, $2.50 each. 8-in. pots, $1.00 each.

Nephrolepis Whitmani

(The Improved Ostrich Plume Fern)

2¼-in. pots, 75c. per doz., $5.00 per 100, $40.00 per 1000.

4-in. pots, 25c. each. 6-in. pots, 50c. each. 10-in. pans, $2.00 each.

Asplenium Nidus Avis

(The Bird-Nest Fern)

A nice thrifty lot of this interesting Fern.

	Each.	Doz.
3-in. pots	$0.30	$3.00
4-in. pots	.40	4.00
5-in. pots	1.00	

Pteris Wilsoni

This is the most decorative of all the Pteria, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	Per 1000
6-in. pans	$35.00	
2¼-in. pots	3.50	$30.00

Araucaria Excelsa

	Each.
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in. high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Glauca

	Each.
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Araucaria Robusta Compacta

	Each.
5-in. pots, 10 to 12 in. high, 2 to 3 tiers	$0.75
6-in. pots, 12 to 14 in. high, 2 to 3 tiers	1.25
7-in. pots, 16 to 18 in. high, 3 to 4 tiers	1.50

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each.
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Dracaena Massangeana

	Each.
4-in. pots	$0.50
5-in. pots	.75

Pandanus Veitchii

A grand lot of well colored, perfect plants.

	Each.
6-in. pots	$1.00

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc. 714 CHESTNUT STREET PHILADELPHIA, PA.

THE MACNIFF HORTICULTURAL CO.

62 VESEY STREET, NEW YORK CITY

Will Sell at Auction



Every Tuesday and Friday, at 11 A. M. Sharp, throughout the Autumn Season

Large assortments of **PALMS, FERNS (Boston, Whitmani, etc.), FOLIAGE PLANTS, ASSORTED CONIFERS, BULBS, Etc.**

Also **CALIFORNIA PRIVET** from the best local growers.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Coreopsis Lanceolata

Potted Up Now Furnish Many Useful Flowers During Early Spring

Two years ago, by chance, one of the men who helped in potting up some Campanulas for Winter forcing potted up about a dozen Coreopsis. The plants were kept in a coldframe up to the end of January and then brought into a Violet house. They bloomed in March and produced some excellent flowers, on long stems, all of which were sold as fast as they opened. Last year we potted up several hundreds and planted some in deep flats, and all the flowers which we cut were sold at good prices; and now we are again potting some, only more than last year. With us they take the place of the yellow Marguerite, and that is a thing we sadly need all Winter, but, somehow, it is such a shy bloomer that it never pays for itself until late in Spring, and we can get the Coreopsis into bloom long before. All the trouble the Coreopsis make is the potting up now and bringing them to a Violet house about Jan. 1. Like the Campanulas, they object to hard forcing; the cooler they are allowed to come along the better. If you have any Coreopsis on hand, pot up a batch, it will pay you; and if you haven't any your nurseryman will supply you good, strong plants, very reasonably; they will be O. K. for your use. Pot them in 5-in. pots, place them in a coldframe, and let them grow awhile yet before cold weather sets in.

Shrubs for Forcing

Spiræa Van Houttei is One of the Best

While in the notes of that able writer, Joseph Meehan, fully eighteen shrubs were described suitable for forcing, I would like to call the attention of the retail grower to one of the most useful shrubs for that purpose, namely, Spiræa Van Houttei, perhaps as well known as Bridal Wreath. We lift these plants carefully at this time of the year and pot 2 ft. to 3 ft. stock into 8-in. pots. They are stripped of every leaf and the plants placed in a deep coldframe, pot on pot. They are kept watered faithfully, so as to encourage root action. The plants remain outdoors until January when they are brought to a coldhouse. Here the plants slowly start, requiring weeks to begin to leaf out. No pruning of any kind is done, for no mattter how carefully you go about pruning a Spiræa before it has flowered, a good portion of what one might call the "graceful" on the plants is cut away. Plants which have been started in this manner may be exposed to a strong heat if flowers are wanted, but the best result with them is obtained by allowing the stock plenty of time. In this way long, graceful branches of perfect flowers can be had, most valuable material for decorative purposes. The plants also furnish excellent Easter stock when well grown, and to secure this there is less required than of any other plant I know of. Plants which have been cut down for cut flowers, or such as remained unsold, will be as good as ever by planting them out in the nursery row where, in 18 months' time, they are as good or better than when lifted the first time.

Crimson and Baby Ramblers

Two Varieties of Great Value to the Florist

Whether you grow your own supply of these two useful Roses or not, the present is the proper time to make preparations for the supply wanted for next Easter. Get your order to your nurseryman as soon as possible, to be filled whenever he starts to dig. By potting the plants up this Fall and starting them slowly towards the end of January fine specimens will be on hand next April. The slower the plants come along the better. Plants which have been in pots all Summer should be laid on their sides. With us repeated rains in the last few weeks have caused the plants in pots outdoors, as well as those in the field, to make a new strong growth, and it is getting almost too late for this now, for after Oct. 1 the wood on any Rose to be brought into bloom during the Winter months should begin to harden off. The plants in pots, by laying them on their sides, are under control; but not so with those planted out, although even these can be potted up now, using a good, stiff loam with a liberal dose of manure. Make use of a good-sized pot and pot firmly. Plants newly potted should have good care. To put them in some out-of-the-way corner is wrong, for what is wanted is to get them re-established. Let them form new roots before you harden the canes off; after that they also can be laid on their sides, on boards. A deep coldframe is a good place where they can remain until the first week in January. Don't forget to prepare a good batch of the Baby Ramblers for next Easter; what are not sold for that holiday will find a purchaser later on; and if not disposed of during Spring place them out and they will be showy all Summer, as free bloomers as Hermosas.

Lorraine Begonias

A Critical Time with the Plants Now

There is nothing more sensitive than the Begonias. To allow a damp, cold atmosphere to prevail over night in the house they are in is bad for them, and while the plants like cool nights during August and will then make their best growth, such nights should not be mistaken for what we are getting now, especially after a cold rain; without a light firing they are liable to prove expensive to the grower—and ought to be. Let us take, for example, a well-grown, bushy Lorraine Begonia, full of leaves, all tender—you may use the greatest care in watering, so that you don't get too much water in the centers of the plants, but what is that, if it does happen, compared with a night's exposure in a damp coldhouse! The large plants will need proper attention from now on to support the tender branches, if you wish shapely plants. This work requires a good man, and is slow work indeed. We always put aside a good number of plants and grow them without any support, allowing the branches to hang over the pots; this necessitates giving the stock plenty of room, so as to get an even growth all around the pots; these plants make beautiful specimens, and sell fully as well as the others, in fact are preferred by many. It is also the proper time to fill a few hanging baskets with small Lorraines; about five 4-in. plants will, when planted out, make a beautiful 12-in. wire basket, and while not many of them are wanted a few of them in the show house are as attractive as anything you could display.

The Poinsettias

The Filling of Made-Up Dishes

To the beginner, notes on Poinsettias ought to be of value, for with most retail growers the Poinsettia is a very important flower, and failure with it, through some cause or another, means often a great loss financially. No one realizes this more than the men located great distances from large cities, for no matter how carefully one packs and ships the flowers of a Poinsettia, the stock never compares with well grown home stock, whether they be cut or pot plants. While the cut flowers may be shipped and arrive in fair shape, made-up dishes and pans, of sizes ranging from 10″ to 12″, are hard to send any distance. Often, in cold weather, the plants get chilled and lose every leaf in a few days after their arrival. Therefore, any florist who can keep the house, where the Poinsettias are, at 60° in cold weather, should try to grow his own supply. It is not too late to fill a good number of the different sized dishes now; nice 2½″ stock is the kind to do it with. Use care not to disturb the roots any more than you can help; it sets the little plants back too much, and that should be avoided. A mellow loam is the right kind for Poinsettias. There are good ones grown in other soils, but whenever a nice loam can be had I prefer it. The newly planted stock doesn't need any shading if you have used care in planting. Give it a sunny spot and a nice airy bench. Heat does not hurt Poinsettias very much, as long as there is plenty of air and sun; all three are necessary if success is to be expected with the stock, and without either one of them there is bound to be trouble one way or another.

Seasonable Suggestions

Offered, in Case You Have Overlooked Others

This may be the last opportunity before a heavy frost to advise you to get the stock plants wanted within doors.

Sit Up and Take Notice

THE FLORISTS' SUPPLY HOUSE OF AMERICA

NOVELTIES in China Ware and other goods arriving daily. New Immortelles, Imported Brown and Green Magnolia Leaves, Prepared Ferns, Cork, Birch and Cedar Bark. Have you seen our Prepared Oak and Beech Sprays in several colors? Send for Samples. Quality of goods unexcelled. It will pay you to call and see the largest Florists' Supply House in the World. In regard to prices this house will not be undersold by any other.

SEND FOR OUR CATALOGUE

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Henderson's Superior Bulbs For Autumn Planting

The largest assortment of varieties and the best bulbs imported into America

Our Florists' Catalog of Bulbs on application

Now Ready For Shipment

Lilium Harrisii

	100	1000
5 to 7 in. bulbs	$4.50	$40.00
6 to 7 "	5.50	50.00
7 to 9 "	9.00	85.00

Formosa Longiflorums

	100	1000
6 to 8 in. bulbs	$4.00	$38.00
7 to 9 "	6.50	62.00

White Roman Hyacinths

	100	1000
12 to 15 in. bulbs	$2.75	$25.00
13 to 15 "	3.50	30.00
14 in. and up	3.75	35.00

Narcissus Paper White Grandiflora

	100	1000
Extra size bulbs	$1.00	$9.00

Freesia Refracta Alba

	100	1000
Extra size bulbs (½-in. up)	$0.85	$7.50
Mammoth bulbs (¾-in. up)	1.00	9.00

Lilium Candidum

	100	1000
8 to 9 in. bulbs	$4.00	$35.00
9 to 10 "	4.50	40.00

PETER HENDERSON & Co., 35 & 37 Cortlandt St. NEW YORK

Please mention the Exchange when writing.

With many there are regrets after the first heavy frost has finished the outdoor stock for good. Why put off such important work as getting the tender plants under cover? How about the Cannas, are they all properly labeled? And the hardy Phloxes and the Dahlias? It is so easy now, while they are in bloom, to label any that need it. Are all the roofs in good shape? They ought to have been attended to long before this time. If there is any painting to be done or glass to be put in, this work should not be started the first thing in the morning. The nights now produce a dew which makes the woodwork damp and often several hours of sunshine are required to get the woodwork dried off sufficiently to allow it to be painted. The coldframes from now on are of as much value as the greenhouses, especially the deep ones, such as allow head room for stock of some size. If cleaned out, and sash are on hand, many plants can be stored in such frames until the Chrysanthemums leave the houses and give us more space inside. How about the boilers? If any repairs are needed don't lose any time in attending to them. Whatever you may do, don't trust to a doubtful joint or coupling and get left during zero weather; now is the time to see that everything is in running order, when so much is at stake.

One Out of Many

George Hutton, Marion, Ia., recently had a loss through hail. He writes Jos. Heacock, treasurer of the F. H. A., as follows: "The check of the Florists' Hail Association to hand, and I thank you for the prompt manner in which the claim was settled." To which John G. Esler, secretary of the F. H. A. subscribes: "The kind of praise we get for acting square."

Unnamed Seedless and Coreless Pear

We have received a sample fruit of a seedless and coreless Pear from the Ford Seed Co., Sunnyside Seed Farm & Nursery, Ravenna, Ohio. This Pear is said to be three weeks later than the Bartlett in ripening. In color it is a light or yellowish green; in size 3 in. long and in diameter 2½ in. There were no traces of seeds in the specimen submitted and only a very small core which might wholly disappear when cooked for canning. It was juicy, sweet, and well flavored for a Septemher Pear.

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Show to be held in Convention Hall by Buffalo Florists' Club. Wm. F. Kasting, Chairman of Committee.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., Oct. 26 and 27, 1910.—Tenth annual Fall exhibition of the Lenox Horticultural Society, to be held in the town hall. George H. Instone, secretary, Lenox, Mass.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

Providence, R. I.

Business for the past week has shown a slight improvement. Asters are coming in quite plentifully, but the quality is not up to standard. A few Carnations are coming in but stems are short and quality poor. Roses are a short crop, as well as Lilies. The florists in general have been very busy with funeral work.

The funeral of Gen. Chas. R. Braton, Republican leader of Rhode Island, which took place Monday, caused a considerable demand for cut flowers, and about every flower avaliable was used.

A. J. Olsen, East Providence, is cutting some Asters of very good quality. His Carnations are looking very good for this time of the year. His greenhouses are in first class condition.

Among the visitors in town recently were: D. E. Newell, Attleboro, Mass.; Mr. Chertham, representing H. F. Grinnell, Fall River, Mass.; Geo. Hampton, representing Jos. G. Neidinger, Philadelphia; J. H. Cushing, Quidnick, R. I.

The Evening Bulletin's tree-planting campaign was given a hearty indorsement at the monthly meeting of the Rhode Island Horticultural Society on Sept. 20.

James Crawshaw, who recently sold his place on Plainfield st., Providence, and purchased a tract of land in Barrington, R. I., has commenced to rebuild the houses he removed from his former place. It is the intention of Mr. Crawshaw to grow flowers for the wholesale trade, and gradually work into the nursery business as well. His present address is Depot ave., Barrington.

Dexter E. Newell, a leading florist of Attleboro, and was in his 66th year; he Fred A. Newell, of Providence, on Friday of last week. The deceased was one of the leading jewelry manufacturers of Attleboro, and was in his 66th year; he died on Sept. 20.

T. O'Connor, Johnston Bros., T. J. Johnston & Co., J. Kopelman & Co., J. F. Wood, and W. B. Hazard were busy with funeral work for Gen. Charles R. Brayton's funeral, which took place Monday afternoon.

J. Kopelman, wholesale florist, is all smiles; he says it is a daughter, doing fine.

Wm. Jurgens, Newport, R. I., was in town placing orders for Lily of the Valley for future delivery.

Mr. Crosby, of Franklin & Crosby, Danielson, Ct., was in town Monday purchasing supplies.

The Market

Roses: firsts, $5 to $8 per 100; seconds, $3 to $5; thirds, $1 to $3; Am. Beauty, $5 to $25. Lily of the Valley, $3 to $4 per 100. Asters, quality fair, 25c. to $1 per 100. Chrysanthemums, $1 to $2 per doz., and somewhat scarce. Carnations, $1 per 100, quality poor, stems short. Violets are coming in and sell for 50c. per 100. Asparagus is plentiful at 25c. to 50c. a bunch. Ferns, $1.25 per 1000. Green and bronze Galax, $1 per 1000. H. C. N.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

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64 Years GENEVA, N. Y. 800 Acres

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Send for descriptive catalogue and wholesale list.

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Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

LOS ANGELES, CAL.—The Eucalyptus Growers' Association has filed a suit against the Orange Co. Nursery and Land Co. for $24,180. The plaintiff alleges that it entered into a coutract with the defendant for the planting of 550,000 Eucalyptus trees on 640 acres of land in Orange Co., and that the latter failed to live up to its agreement. The plaintiff figures that including $4981 paid to the defendant in cash, it has coming to it a total of $24,180.

Designs in California Privet

Those living north of New York City, and inland from the sea have contended that the California Privet is too tender for general use farther north of these points, in which contention they are no doubt correct.

The objections they have made to its use have been met by those living where it is hardy by the statement that it is the most useful of all the hedge plants ever known by them, which accounts for its use in some shape or other on everyone's grounds thereabouts. We have been tempted to have a photograph taken to show how useful this Privet can be made in many ways, not only for hedging but in the way of general ornamentation. There are three dwellings embraced in the picture and the grounds of all have been embellished by the use of the Privet. Notice the boundary line along the avenue and the beauty of the planting on the slope where the path ascends from the street. It is a pretty feature. There is a low line of the Privet dividing one property from the other. The planting on the upper terrace is in excellent keeping with the whole plan, a flight of steps leading to it, and still another flight appearing above it leading to the porch. There are other features to be admired at the far end of the three residences, through the use of this Privet; and, with the shrubbery well grouped as it is, the whole is a pleasure to look on.

When it is remembered that there is no other hedge plant to be had to accomplish the effect, this Privet has so effectively and so quickly, and that in the vicinity of Philadelphia, where these grounds are, it is almost evergreen, is it any wonder the California Privet is such a favorite?

By the way, the Hydrangea appearing in the picture is the H. paniculata, not the grandiflora, admired by many because of its upright panicles of flowers.

Cutting Down a Privet Hedge

There is many a hedge of Privet to be seen too bare at the base, caused by improper treatment when first planted. The plants were not cut back sufficiently at that time. In some cases the owners have declared that the object was, when planting, to get a screen and get it quickly, not to make a hedge, just as trees or shrubs are often seen planted for the same purpose. In cases of this kind there is no need to have a thick, uniform mass of twigs and leaves from the ground to the topmost growth.

But when a hedge is wanted, then we do look for uniformity, and the bareness at the base must be remedied. We have seen cases where such hedges have been cut down to near the ground to get a good growth from the base, the cutting back being performed in early Winter. It is much better to leave the work until Spring. Sometimes this Privet will be a trifle injured in severe Winters, even in western Pennsylvania, and when cut back in Autumn there would be more likelihood of harm in such weather than if unpruned, so it is the better plan to let all the growth stand as it is, cutting it back in early Spring.

No matter how tall or how large the hedge, it will sprout afresh and give satisfaction if cut back, even to the ground. But a good way is to cut it down to four inches. The new shoots are then so close to the ground that it is one's own fault if a model hedge does not result. As soon as the new shoots are six inches in length, the shapening of the hedge should commence, by pinching off their points until the whole base is a bushy, uniform mass. When this is accomplished, the future forming of the hedge is no trouble; the whole is a matter of good judgment in pruning as growth goes on.

A Neglected Shade Tree

It will seem strange to many to mention the Kentucky Coffee, Gymnocladus Canadensis, as a neglected shade tree, yet such is the intent of these notes. Many nurserymen, even, lack a proper appreciation of this tree, because it is rarely asked for as a shade tree; the reason for this rests with those who fail to recommend it. Those who visit nurseries to order trees rarely call when trees are in leaf. Their visits are usually in late Fall or early Spring, at which times there are no leaves on the Kentucky Coffee; were they to see the tree in leaf they would quickly see what a shade its foliage casts. Seen in the Winter season this tree has so few branches, and no twigs, one may say, that even those who should know better think of it as a tree making but little shade. But it has what many trees and shrubs bearing compound leaves have—the gift of producing leaves of enormous size; so that one leaf of some of them, the Kentucky Coffee for one, is often two to three feet in length. As the compound leaf has leaflets the whole distance of the two to three feet mentioned, it is just as useful for shading as if it were a shoot of an ordinary tree; and when in full leaf in Summer it is a beautiful tree to look upon.

A great recommendation for this tree is the fact of its being free from all insect and fungus attacks. Not a thing disturbs it; and it is a tree, too, that transplants freely.

Another tree bearing compound leaves and having hardly any branches is the Aralia spinosa. Hardly any one who saw it in Winter would believe it capable of giving appreciable shade, yet it is an excellent shade giving tree, and in the same way as the Gymnocladus, by its immense compound leaves. Neither it nor the other tree makes what may be called twigs, nothing but strong branches, and but few of them; while to see them in leaf one would imagine them to be very "twiggy" trees.



Designs in California Privet

Catalpa for Stocks

It has been in the past that to see Catalpa Bungei, so called, worked on nice, straight stocks was not common. Often the stocks were crooked or with some deficit that was too noticeable to give pleasure. This was almost altogether because of using the Catalpa bignonioides for stocks instead of the C. speciosa. The former is known as a round-headed, low-branched tree, seldom making a straight stock; while the speciosa is of just the opposite nature. Nowadays the speciosa is more common, all good nurseries have it, and people who have to buy it from those who raise the seedlings are careful to stipulate that no other but speciosa be sent them.

But even those possessing a stock of the bignonioides could make the trees serviceable for stocks if they would grow them until two or three years old from seed and then cut them down to within an inch or two of the ground. When a strong one is so cut down it pushes up a shoot in a single season quite tall enough for becoming a parent to the Bungei.

But this stock, bignonioides, should only be used when no means are available to get the speciosa; both for the reason that a two-year seedling of the latter cut to the ground will give a stock 8 ft. high by Fall, and because it is hardier than the other, which makes it more desirable for planting in the colder States.

Bungei can be worked on these stocks either by budding or by grafting. Grafting can be done late in the season, because all Catalpas are late coming into leaf. The stock is cut off at whatever height desired, usually from 5 to 6 ft. is deemed a desirable one, the cion placed on the side at the top, under what is called splice grafting. In slicing the stock to receive the cion, make the cut in such a way that when the cion is placed it is near the center of the stock. Then when it grows, as it nearly always does, there is a central growth instead of a one-sided one, as is sometimes met with, and all salesmen know how difficult it is to sell one that has not a shapely head. When budded, instead of grafted, there should be a bud set on opposite sides of the stock, for the same reason, that of obtaining a rounded, well-balanced head.

The Catalpa Bungei can be seen used in many ways; sometimes as a single specimen, again set in pairs, the most usual way of finding them; and lately the writer saw a very pretty planting of them, consisting of an avenue leading from a public highway to a dwelling some distance back. The Catalpas had been grafted at about 7 ft., the growth had met across the path, forming a completely shaded canopy the whole length of the walk.

Uses of the Kudzu Vine

A great deal has been said of the merits of the Kudzu Vine, Pueraria Thunbergiana, and what is claimed for it as a vine of monstrous growth is quite correct. A more rapid grower with such large leaves as it has does not exist in collections. The number of hardy available vines at the disposal of gardeners is very large, existing, too, in those of comparatively weak growth as well as those of robust habit, so that no matter what position it is required for there is a vine, and often many of them, to suit it. Our Kudzu Vine comes in use where an extraordinary fast grower with large leaves is required, and it would be quite as much out of place in some positions as it would be in place in others. The claim florists make for it—that it will grow a foot a day—is quite justified when the plant is a vigorous one. Very old plants will make shoots over 50 ft. in a season, making the foot a day in the height of its growing, which is in late August, usually.

This vine has been well described as having leaves like those of a Lima Bean. It is a good description; and shoots that bear them are like ropes. It has also been written of the vine that its flowers are of insignificant appearance. This is not correct, and yet in some positions given the vine the flowers might as well be, as they become so hidden under the foliage. But when on an overhead support, admitting of a view of the blossoms, they are by no means insignificant, being pea-shaped, of good size, purplish red in color, and produced in panicles which reach six inches in length before their work of flowering is completed. The flowers open gradually as the panicle elongates, and the first to open will have fallen before the later ones expand, much as on many other leguminous plants.

Japanese houses advertise it as of value in a great many ways, aside from usefulness in ornamentation. One of the latest claims for it is that it is a valuable forage plant, but it is only its ornamental usefulness that concerns the horticulturist at this time.

So far as observed, the Kudzu Vine does not seed with us, but this makes little difference in the way of getting a supply of plants, as from both cuttings and layers its propagation is easy, and if not sufficient the seeds are to be had from Japan.

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This Rose is a Seedling raised from "Papa Gontier" × "Madame Hoste." Color: deep apricot yellow, shading to orange. Petals very long and filbert shaped, of fair substance, very free flowering and of free growth.

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2,000 ROSES "LADY GODIVA," a new climber, very fine, creamy white and red.

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250,000 **Ligustrum Ibota** Seedlings, from 10 to 24 inches, 1 year.
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7,000 **Populus Fastigiata,** (Lombardy Poplar) 6-8 feet.
200 **Pyrus Malus** (Flowering Crab) in 4 varieties, 6-8 feet, pyramidal form.
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ALL EXTRA FINE STOCK. FINE ROOTS.

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By JOHN A. PAYNE

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Article IV—Continued

Material and Construction

When semi-iron frame houses are set together, forming what is generally understood as "ridge and furrow houses," various types of gutters have been used between same. The simplest form is that shown in Fig. 85, which consists of a 2 in. x 10 in. board, A, and gutter sills, B, made

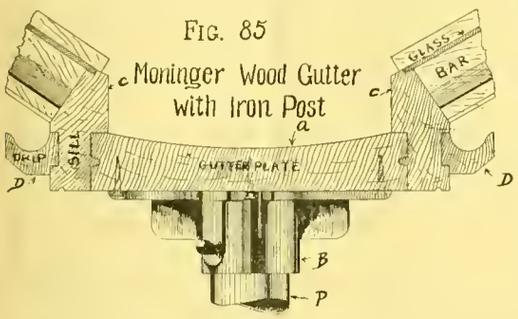

FIG. 85

from 2 in. x 3½ in. or 4 in. material. Both sides of the gutter are furnished with a condensation gutter, D, made from 2 in. x 1½ in. material, the gutter itself being supported on 2-in. pipe posts, with cast iron flange top which is securely fastened to the gutter. Where a gutter of this type is used care should be taken in the matter of the joining of same.

There are several different methods of making these joints, such as the half lap splice, long mitre splice, etc., all of which have been used more or less successfully. The lengths of the gutter should be such that the joints would come over a post top. A very good form of splice and lock is shown in Fig. 86. This is a development of the half lap splice, in which the splice is so cut as to

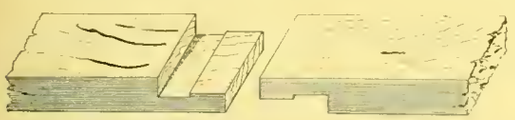
GUTTER SPLICE AND LOCK (MONINGER)


Fig 86

form a lock. No matter what splice is used, it is most essential to see that the parts are well leaded before assembling.

Fig. 87 shows another form of wooden gutter, of "V" shape, which consists of two pieces 2 in. x 6 in. Cypress, A, the gutter itself being supported on the iron bracket or post top, B, which is secured to the pipe post P. The advantage claimed for this gutter by the manufacturers is that the downward thrust of the roof is practically in the same plane as the two gutter boards. The joining between the two pieces, A, at the bottom, which form the gutter, are so machined that when thoroughly white leaded and put together a water tight joint is formed, and the downward thrust of the roof tends to keep the joint tight. The manufacturers of this type of gutter also claim an advantage in the style in the matter of the maximum of water carrying capacity, with the minimum of shadow. This type of gutter is also furnished with a wooden drip gutter, D, on both sides, made from 2½ in. x 1½ in. material.

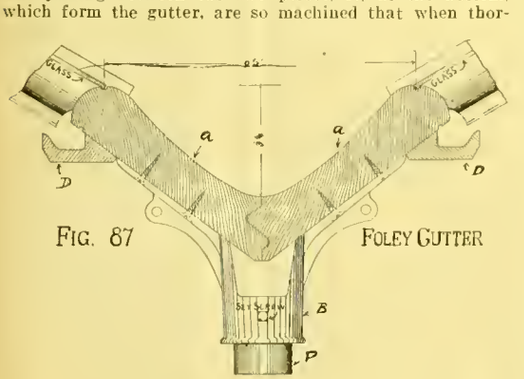

FIG. 87 FOLEY GUTTER

Fig. 88 shows another form of wooden gutter which is more or less a combination between the two former, and consists of three pieces, two sides, A, made from 2 in. x 4 in. material, and a bottom piece, C, made from 3 in. x 6 in. material. The two side pieces are placed in practically the same line as the roof glass, thus enabling them to receive the thrust from the weight of the roof, the pressure being equal on both sides of the bottom piece, C. These three pieces are joined together by tongues and grooves, as shown, which should be well white leaded before assembling.

The gutters are supported at intervals by iron post tops, B, which are threaded to receive the pipe post, P. The condensation from the roof glass is taken care of by means of two galvanized iron gutters, E. The holes, D, in the post top, B, are intended for light iron tie rods, which extend from side to side of the house, passing over the pipe supports of the roof; these are used where the side supports are not of sufficient strength to withstand the weight of snow or pressure from the roof, and are particularly desirable where the sides of the house are made 8 ft. or 9 ft. high.

The three gutters above described are chiefly constructed of wood, therefore the same objection applies to them as to the wood eaves. Owing to the conditions under which they are used they are necessarily heavy, adding to the shadow, and are not as durable as an iron gutter. They are also inferior in the matter of the snow or ice clearing properties; the iron gutter, being a good conductor of heat, causes the snow to melt quickly and so keeps the valley between the houses clear of snow much better than where a wood gutter is used. However, in some sections of the country where the snows are very light, wood gutters have been used quite successfully, and especially where it is a matter of saving in the first cost; but all arguments are certainly in favor of an iron gutter, in the matter of ultimate cost as well as the matter of a gutter of minimum shadow and snow clearing properties, which are the desirable features in a growing house today.

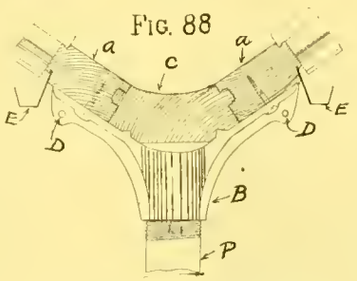

FIG. 88

Dietsch Patent Gutter.

The simplest form of iron gutter is the regular channel iron, as shown in Fig. 89. This consists of an iron or steel channel, A, usually about 8 in. wide and 2 in. deep at the sides, which is supported upon the pipe post, P, with flange top, D, which is bolted to the bottom of the channel iron. The roof bars, G, being secured to the gutter by means of Cypress sills, B, which are made from 2 in. x 2 in. material and are rabbeted on the underside to receive the sides of the channel gutter, to which they are secured by means of lugs, C, placed at intervals. In this form of gutter the water is generally removed from same at intervals of about 25 ft. or 30 ft., through 3-in. galvanized iron leaders carried to drains.

The difficulty with this type of gutter is the dripping of the water of condensation from the roof glass, from the corners of the gutter, and also from the condensation from the gutter itself, which in heavy Winter weather is very considerable; and in many cases where some provision has not been made to take care of this condensation it means the waste of the space beneath the gutter, especially where it is desired to have the plant beds directly beneath same.

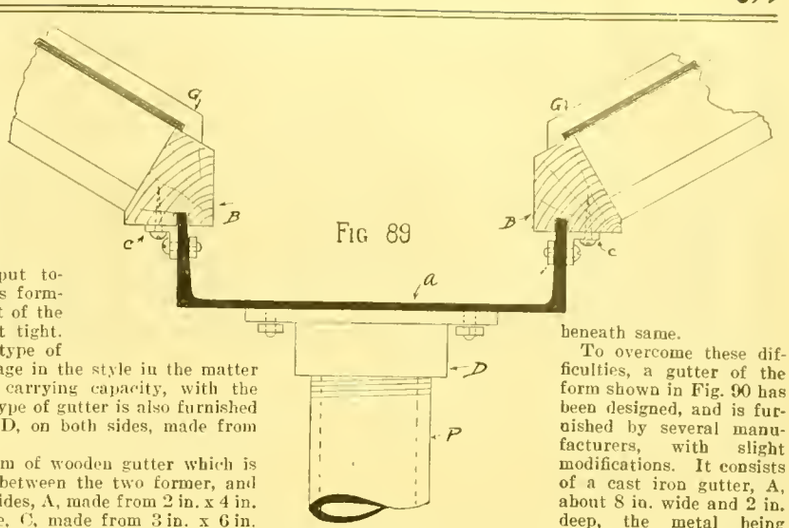

FIG. 89

To overcome these difficulties, a gutter of the form shown in Fig. 90 has been designed, and is furnished by several manufacturers, with slight modifications. It consists of a cast iron gutter, A, about 8 in. wide and 2 in. deep, the metal being about ¼ in. thick. It is furnished with a condensation gutter, B, on both sides, which catches the water from the underside of the roof glass, from which point it is carried down through small pipes placed at intervals. This gutter is supported on the bracket, F, which is part of the post top which clamps to pipe post P. In some instances the roof bars, G, are secured with iron sockets, H, as shown in the drawing. In other styles of gutters there is a flange provided between the condensation gutter, B, and the side to which the roof bar is attached. In some respects the latter method is to be preferred, because it leaves the end of the roof bar open for painting, and for circulation of air around same, which adds to the life of the bar but also increases the width of the gutter.

In each of the foregoing examples the question of the reduction of the shadow in connection with the construction has not been taken into consideration, and as this is the chief object in view, in the most modern constructions, various types of iron gutter have been developed to accomplish it.

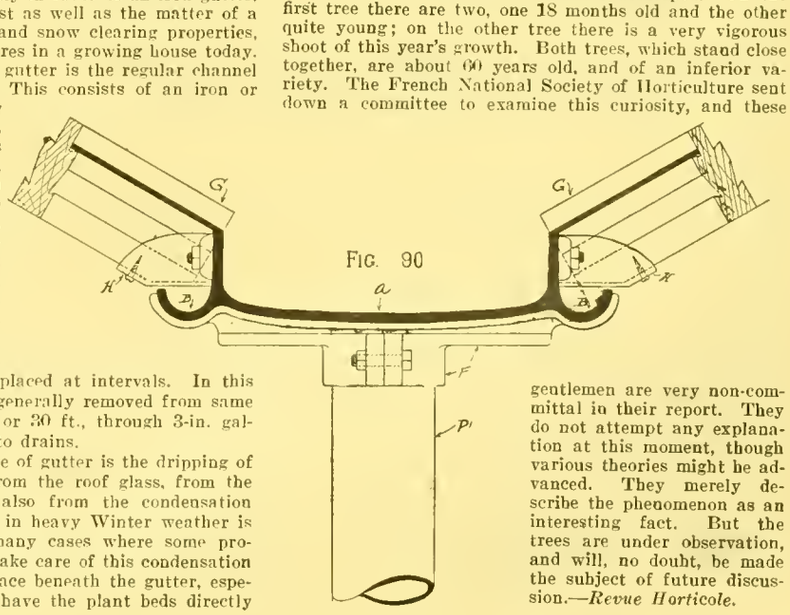

FIG. 90

Influence of Tar on Plants

The deleterious influence which tar used in road building has upon vegetation has been noted at various times and places. The director of the Bois de Boulogne, the great city park of Paris, France, has said recently again that it is injurious, at first directly when still fresh, and later through the gases escaping from it, and also in dust form for certain plants. Linden and Maple trees have proved to suffer most. Some American nut trees, valuable ones among them, have succumbed to it, and had to be cut down. Alder and Horse Chestnut, which show most resistance, have also appeared to be vitally injured. The effect of the tar is most noticeable in shrubs and flowers whose principal organs are nearest to the ground. Brown or dirty white spots appear on the leaves, which shrivel up after a time, resulting in the death of the plant.—*Der Handelsgaertner.*

Almond Shoots on Peach Trees

In a garden at Montreuil, France, there are two Peach trees on which Almond shoots have developed. On the first tree there are two, one 18 months old and the other quite young; on the other tree there is a very vigorous shoot of this year's growth. Both trees, which stand close together, are about 60 years old, and of an inferior variety. The French National Society of Horticulture sent down a committee to examine this curiosity, and these gentlemen are very non-committal in their report. They do not attempt any explanation at this moment, though various theories might be advanced. They merely describe the phenomenon as an interesting fact. But the trees are under observation, and will, no doubt, be made the subject of future discussion.—*Revue Horticole.*

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	1½ to 2 ft. 4 branches up .	15.00	125.00	210.00
	2 to 3 ft. 6 branches up .	20.00	175.00	325.00
	3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
	4 to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect

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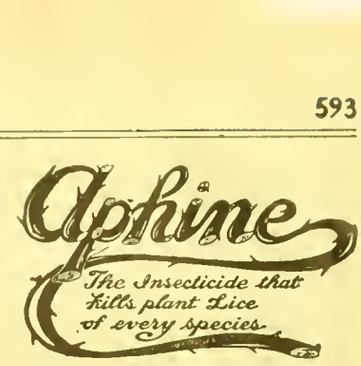

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Connecticut Horticultural Society

Our annual exhibition of Dahlias, of this Society, was held Sept. 22-23, at Hartford, and proved to be very successful, both from an artistic and a financial standpoint, the gate receipts being nearly three times greater than those of last season. Two fine days brought out a large attendance, and fifteen new names of delighted spectators added to the membership roll of the Society. Unity Hall basement was crowded for space to accommodate the splendid array of all classes of Dahlias, and this leading flower was supplemented by smaller displays of Roses, Asters, Gladioli, Violets, etc. President John F. Huss, as usual, furnished from the sumptuous Goodwin greenhouses, for the stage decoration, a fine collection of Palms, Ferns, and stove plants; and he and his assistants deftly embellished the walls of the hall with ornamental Grasses. J. A. Weber acted as floor manager, and did good service throughout the exhibition, acting also as floor guide for the judges, A. W. Davidson of Ansonia, and Robert Hunnick of Rockville.

W. W. Hunt & Co. of Hartford, made a splendid non-competitive display of cut flowers, including Dahlias, Phlox, Delphiniums, Boltonia, Monkshood, Poppies, Tritoma, hardy Sunflower, golden Coreopsis, Gaillardias, Feverfew, Shasta Daisies, etc. This firm also showed a nice collection of evergreens in pots.

Secretary Smith, of Melrose, was the only exhibitor of fruits. His interspaces were filled with wreathed Ground Pine, which at every crossing was decked with a spray of the bright red berries of Viburnum opulus, giving an appearance of holiday decoration.

James P. Ralph, of New Britain, exhibited "Mrs. Roosevelt," a beautiful, almost pure white Dahlia. Much attention was drawn to a fine blue-striped Aster, shown by L. C. Clark of Plantsville.

H. F. Burt, of Taunton, Mass., the veteran Dahlia grower, was on hand with a dazzling array of his favorite blooms, and answered many inquiries of visitors, and, as usual, carried away many prizes in the professional classes. President Huss had his customary fine collection, and also secured many valuable prizes. D. W. Babcock, of Berlin, Md., sent a nice lot of Dahlia blooms which, unfortunately, were damaged en route by warm weather and rough handling, thus precluding his taking any premier awards, though securing a few third prizes. Other professional Dahlia exhibitors receiving awards were Warren S. Mason, of Farmington, gardener for the Pope Estate; James P. Ralph, of New Britain; Niel Nelson, of Hartford, horticulturist of the Retreat for the Insane; J. H. Slocombe, of New Haven; and Nathaniel Slocombe, of Farmington.

Special premiums offered by the trade went as follows: Henry A. Dreer, Philadelphia, for best six blooms of "Susan" Dahlia; Niel Nelson, first; J. F. Huss, second. Stumpp & Walter Co., New York, for best five vases of any variety, 25 blooms; Warren S. Mason, first. By the Plant & Land Food Company, Baltimore, for best display of evergreens; W. W. Hunt & Co., first. By Luther Tucker & Son, Albany, N. Y., for best collections of fruit, Asters, and Gladioli respectively (one subscription each to the "Country Gentleman"); Secretary Smith for fruit; James M. Adams for Asters; and L. H. Robertson for Gladioli.

GEORGE W. SMITH, Secretary.

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THE CONARD & JONES CO., WEST GROVE PA.

Please mention the Exchange when writing.

5000 CANTERBURY BELLS

Pot-Grown Plants

5-inch grand plants, $12.00 per 100, ready for 7-inch pans.
See Fritz Bahr's note about these.

The Carl Hagenburger Co.,

W. Mentor, Ohio

Please mention the Exchange when writing.

Cut Blooms of Golden Glow

CHRYSANTHEMUMS
Ready, write for prices.

STEVIA COMPACTA

3000 splendid field plants, as big as basket $8.00 per 100.

I. M. RAYNER, Greenport, N. Y.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.
REX BEGONIAS, 2-in., $4.00.
COLEUS, 2-in., $1.00.
SCOTTII FERNS, 2-in., $6.00.
GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.
VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.
HELIOTROPE, 2-in., $1.50.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size,	$8.00, $20.00 and $25.00
VINCA Variegata, 8 to 12 vines	$5.00
SHASTA DAISIES fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
PRIMULA Obconica and Kewensis, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Guttata, 4 in.	5.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00

30 **ASPIDISTRAS**, green, 3 leaves, lot for $2.50.
45 large field clumps **DAHLIA Jack Rose**, lot for $8.00.
ABUTILON Savitzii, R. C., by mail.. 1.50

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

PETUNIAS

Seeds of our celebrated strains

Marvelous Dobule and Giants of California (Single)

Orders booked for Fall Delivery.
We are also large growers of other Small Seeds. Send for trade list.

Theodosia B. Shepherd Co.

Ventura, California

Please mention the Exchange when writing.

Seasonable Plants

ASPARAGUS Sprengeri, 2¼ in., $2.00 per 100.
FERNS, Boston, Piersoni, Whitmani, 4-5-6-8-10-12 in. pots, 15c., 20c., 50c., 75c., $1.00 and $2.00 each.
BEGONIA Vernon, R. P. and White, 4 in., $5.00 per 100.
CELERY PLANTS, Golden Heart and Self-Blanching, 25c. per 100, $1.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

5,000 GOVERNOR HERRICK VIOLET PLANTS

Strong, Healthy Stock; $3.00 per 100, $25.00 per 1000.
Cash with Order.

NIKOLAUS HOFMANN, NANUET, (ROCKLAND COUNTY,) N. Y.

Please mention the Exchange when writing.

Baltimore

F. Reitz, Franklintown, is erecting a new house, 20x90 ft., with concrete walls, for Sweet Peas. Mr. Reitz is employing a large force of hands and works until a late hour at night, and in a few weeks his house will be completed.

Thomas Vincent, N. Charles st., near North ave., is showing a nice window of decorative stock, with Boxwoods for background.

C. E. Smith & Co., Liberty st., have an attractive window display, showing an old mill, with fish in the pond. A fine collection of potted plants adds to the beauty of the display.

Robert Carroll, who was in the employ, several years ago, of Thomas Vincent, W. Baltimore st., about seven years ago, while working on the greenhouse, fell through the glass, and many pieces went into his arm. He went under several operations and again last Tuesday underwent another, when an old glazing point was found that had been in his arm for the seven years. Mr. Carroll is now in the employ of the Florists' Exchange here, and is well known by the trade.

Club Meeting

The regular meeting of the Gardeners and Florists' Club of Baltimore was held last Monday night, in the Club rooms, with President George Morrison in the chair. The meeting was not as well attended as expected. Lately the meetings have been more interesting and showed a fair sized attendance. The minutes of the last meeting were read and approved. Orlando Harrison of Berlin, Md., was elected a member of the Club. At the next meeting Richard Vincent, Jr., will give a lecture, and the evening will be "Ladies' Night," consequently a good treat is in store. Philip B. Welsh had on exhibition two vases of Golden Glow Chrysanthemums that attracted much attention. Prof. T. B. Symons of College Park, Md., gave quite a talk and urged those present to grow more, and keep the farm shipments out; he also talked on public spraying. The question box produced many questions which took some time to dispense with.

The Market

We are now facing a water famine and it is only a matter of time when the water supply will be discontinued, unless a rain comes in a few days. Already, the Baltimore County water has been turned off in one section. Luckily the trade was not affected, as no florists have houses in that section. However, in other sections the growers depend on the county water supply, and if they were affected the loss would be great. Soil cannot be plowed and plants and crops are drying up for the want of rain. Carnations have suffered greatly; plants that were planted outside simply did nothing, and in many instances the growers were compelled to buy out of town.

Stock is coming in slowly, in fair condition considering the torrid weather conditions. Roses are in good supply. Carnations are starting off nicely. Chrysanthemum Golden Glow has been on the market, and good stock brought 20c. Greens are in good supply. J. L. T.

New Bedford, Mass.

The past week has been a very fair one for business. Funeral work has been good. Asters and Carnations are now in the market; the former are getting toward the end, poor and small. Asters retail at 35c. per doz.; Carnations, 50c. per doz.; good Roses retail at $1.50 per doz. A few Gladioli are still to be seen. There also is plenty of Dahlias, which are now in their full glory, besides hosts of other outdoor flowers suitable for bouquets. We have had no frosts as yet, and everything is one mass of bloom and color. Alyssum and Candytuft also help out.

Carnation plants are about all housed in this section now, and no surplus stock was reported here.

E. H. Chamberlain has been on the sick list the past week. His clerk, Harry Kranzler, and Julius Rositzsky, manager for Wm. P. Peirce are back again at their posts after enjoyable outings in New York and vicinity. All the uptown stores report very good business for this time of the season. At the meeting in bankruptcy

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK

Florist and Nurseryman, HIGHTSTOWN, N. J

Please mention the Exchange when writing.

VIOLET PLANTS

Field-Grown Clumps of Gov. Herrick at $6.00 per 100; $50.00 per 1000. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of **Marie Louise, Farquhar, La France** and **Princess of Wales**, $5.00 per 100, $45.00 per 1000.
Also a few hundred of the New Single **VIOLET BOSTON**, $10.00 per 100.

RICHARD LANGLE, WHITE PLAIN N. Y.

Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 2-in. pots, $5.00 per 100.
Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Please mention the Exchange when writing.

TEN THOUSAND Violet Plants

Healthy, Field-Grown Plants LA FRANCE, $5.00 per 100, $45.00 per 1000. Also 2000 FARQUHAR, $5.00 per 100, $45.00 per 1000 or $80.00 for the 2000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

20,000 VIOLET PLANTS

Princess of Wales, Marie Louise and **Farquhar**, Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

ASPARAGUS PLUMOSUS NANUS
2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES

29 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and **Princess of Wales**, fine field clumps, $5.00 per 100; $46.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and **FORGET-ME-NOT**, the same as Panales.
PARSLEY, CELERY and **CABBAGE PLANTS**, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $6.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CARNATIONS

2000 Healthy Field Grown **WINSOR** at $4.00 per 100, $35.00 per 1000.

Cash with order.

HENSHAW BROS., Inc.
SPRINGFIELD, N. J.

Please mention the Exchange when writing.

FIELD-GROWN Carnations

Strong plants. **1000 QUEEN, 1000 ENCHANTRESS, 1000 BEACON,** $50.00 per 1000. I will take $115.00 for the 3000 plants. Cash.

M. H. Kruschka, 616 Cookman Ave. Asbury Park, N. J.

Please mention the Exchange when writing.

5000 Fine Field Carnations

Enchantress, Queen, Queen Louise and **White Lawson,** from pots, $6.00 per 100. **Elbon,** red, and **Crocker,** pink, 5c., or 250 and over at 4c., to close.

FERNS, Whitmani, Boston and **Scottii,** 2½-in., $4.00 per 100; 4 in., $15.00 per 100. Cash.

BENJ. CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Field-Grown Carnations

HEALTHY, THRIFTY STOCK

	Per 100	1000
White Enchantress	$7.00	
Rose P. Enchantress	6.50	
Light P. Enchantress	6.00	
Winona	6.50	60.00
White Perfection	6.50	60.00
Beacon	8.00	

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

Surplus Stock

offered cheap to make room.

Dracaena Indivisa

2000 plants in 2-inch pots, $2.00 per 100.

Clerodendron Balfouri

150 plants in 4-inch pots, $20.00 per 100. 6 large specimen plants, $3.00 each.

Ophiopogon Jaburan Variegatus

75 plants in 5-inch pots, $20.00 per 100.

Pandanus Veitchii

6 plants in 10-inch pots, $2.50 each.

Boston and Scottii Ferns

15 specimen plants, $2.50 each. Also a lot of smaller ones from 6-inch pots up; will quote prices on request.

S. J. IRVINE

"D" Street, above Wyoming Avenue
PHILADELPHIA

Please mention the Exchange wheo writing.

CROTONS

We have about 300 plants, good varieties, **Baroness Rothschild, Doy Spring, Queen Victoria,** etc., well colored, but plants that are too tall for immediate use. Fine for propagating and the top cuttings could be messed making a perfect plant in a few weeks.

We need the room and offer them at 15-20-25 and 35c. each, 5-6 and 7 in. pots.

A few fine flats of **SEEDLING FERNS** left at $2.00 each.

R. G. HANFORD, Norwalk, Conn

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

of J. H. Cleary, on Sept. 21, S. S. Peckham, florist, was appointed one of the trustees. A report will be given in two or three weeks hence.

H. A. Jahn is cutting heavily just now of his white Lloyd Carnation.

R. H. Woodhouse has his Carnations in good shape; he is preparing to root heavily in bedding stock again. Some nice Ferns in 5-in. and 6-in. pots are to be seen at his place.

Wm. E. Mosher has a fine stock of Violet plants, of the Princess of Wales variety. HORTICO.

Effect of Electricity on Plants

Mr. J. T. Priestley, of Bristol University, a descendant of the famous scientist, the discoverer of oxygen, gave a lecture before the Royal Horticultural Society, London, on August 30, on the effects of electrical discharges on plants. Mr. Priestley, in co-operation with Professor Newman, has carried out a series of practical experiments in electrical discharges on plants at the farm of Mr. Bomford, of Evesham, with most encouraging results. The method described by Mr. Priestley consists of the conveyance and dispersion of a high voltage electric current over growing produce both outdoors and in greenhouses. The apparatus is so constructed as to send showers of electric sprays over a portion of a growing Wheat field, a vegetable garden, and a conservatory 100 ft. in length, constructed for the cultivation of Cucumbers. The results have been satisfactory, and in some respects surprising. Carefully tabulated, they showed in respect to the outdoor experiments that Wheat gained 29 per cent. in the process, Mangolds 18 per cent., and Strawberries 25 per cent. To illustrate the acceleratiou of growth under the treatment some striking lantern slides were exhibited. In one a boy was shown standing in front of a Hawthorn hedge which had been untouched by the electric sprays. The tips of the branches just reached the boy's shoulders. The next picture showed the same boy and the same hedge after two weeks of electric treatment, when the branches were 2 ft. or 3 ft. above the boy's head. The results in the conservatory were quite as remarkable. Mr. Priestley claimed, as the outcome of his experiments, two definitely ascertained facts—that the growth of the plants is accelerated, and that the plants become strengthened and more able to resist disease. In reply to a question by one of the audience, Mr. Priestley said the keeping qualities of the electrically grown plants were now under observation. So far as he had been able to determine, the Wheat kept longer, but Mangolds did not keep so well. The Strawberries were not so large as those untreated, but they were sweeter and of richer flavor.—*Daily News.*

Seedling Dahlias

From D. W. Babcock, nurseryman and florist of Berlin, Md., we last week received a box of about forty blooms, mostly belonging to the Decorative class, but including a few Cactus varieties, several Shows and two or three Singles; a few were named, but the majority were mostly without name or number.

Among the most meritorious we noted an unnamed deep crimson of the Cactus class; an unnamed bronze yellow Show variety; Dr. Thomas Hammond, a scarlet tipped with yellow, of the Decorative class; Dixie Belle, a very large broad petaled yellow; Mildred Babcock, a white with outer petals dotted with crimson, both Decoratives. Grand Duchess Alexis, a seedling of Grand Duke Alexis, a large bloom, somewhat flat with quilled petals, of magenta color, something between the Decorative and Show class, but with a leaning toward the latter is worthy of mention.

Mr. Babcock says that the blooms sent us were grown out in the field without any extra care, fertilizer, etc., and were not disbudded. He has about a hundred good seedlings from about 3000, and hopes to get five or six out of the 100 good ones that will be extra good. He reports having had no success with imported seed but gets his best flowers from selected seed of his own. He also finds he gets more good seedlings from Decorative than from either Cactus or Show.

If in need of a good situation—Advertise in our "Want" columns. Your situation's found.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery, $10.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill. A. T. PYFER Manager

Please mention the Exchange when writing.

TO CLOSE OUT WE OFFER

Carnation Plants

AT $4.00 PER 100

1500 Harry Fenn 500 Mrs. Patten 500 White Perfection

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Field-Grown Carnations—Fall, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Wiosor	$7.00	$60.00
May Day	7.00	60.00	Apple Blossom	6.00	50.00
Winona	7.00	60.00	Wanoka	6.00	50.00

"Stroog healthy plants for immediate shipment."

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

THE

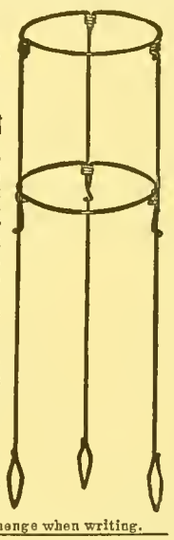
MODEL

Extension Carnation Support

Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulors.

Also Galvanized, Steel Rose Stakes and Tying Wire



IGOE BROS.
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

6000 Boston Market Carnation Plants

Strong, well branched and free from disease

$5.00 per 100

ROBERT BUCKLEY
5 Kouwenhoven Place, Flatbush, BROOKLYN, N.Y.

Please mention the Exchange when writing.

CARNATION PLANTS Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; Pink Enchantress, White Perfection, Bountiful, Winsor, $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

HOWARD P. KLEINHANS 66 CENTRE SQUARE EASTON, PA.

Please mention the Exchange when writing.

Large Field-Grown

Carnation Plants

Lord, Mrs. Patten, Harlowarden.

$5.00 per 100, **$40.00** per 1000.

FRANK NIQUET
PATCHOGUE, N. Y.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Now is the Time to Pot Up

"CHRISTMAS CHEER"

The Scarlet Pot-Carnation

Put it into cold frames and let it establish itself.

Now is the time to place your order.

$15.00 per 100, $125.00 per 1000

February delivery, January all booked.

It's guaranteed to make good.

H. EICHHOLZ
FLORIST
WAYNESBORO, PA.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS In Season

ALYSSUM, DOUBLE GIANT
Strong 3 inch, $3.00 per 100

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

CARNATION PLANTS

Fine, Field-grown, 600 Fairmaid, 300 Sensation (dark pink), 200 Eventide (red), $4.00 per 100, $35.00 for the lot. Cash with order please.

E. L. RILEY, R. F. D. No. 2, **Trenton, N. J.**

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

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A Notable Maryland Event

Vincent's Fourth Annual Dahlia Show and Harvest Home Festival, at White Marsh, Md.

The closing days of September, from the 27th to the 30th, were set aside for this now well-known local show and festival, and the opening day of Tuesday was ushered in with magnificent weather, the advantage of which will be readily understood by dwellers in the country.

The show is many sided; in flowers, the Dahlias and Cannas are the leading attractions, but the exhibitions of fruit and vegetables, while not so large as that at the Timonium fair, a near-by institution, is said to be better and more select. This section is put up by farmers and growers in the neighborhood and is duly judged and certificates are awarded. The judges this year were Prof. T. B. Symons of College Park and Geo. Morrison. Still another feature is the sale, by the ladies of the vicinity, of groceries, glassware, home-made jellies, candy, fruit, etc., donated for the occasion. The ladies still furthered the cause by providing refreshments for the inner man, and very pleasant was the appearance of the spick and span tables and the substantial sized kitchen, improvised in the far end of the warehouse, over which the matrons and maids of White Marsh were all queens. The ladies, this year, are endeavoring to raise sufficient money to pay off the debt on the parsonage; in 1909 they cleared about $500.

Richard Vincent, Jr. & Sons Co., noted growers in enormous quantities of many specialties in addition to that of the Dahlias, use this event as a means of assisting the local church in which father, mother, sons and daughter are all prominent, and the Dahlia display is made to enhance and give attractiveness to what is primarily a church function.

The Dahlia Exhibition

The Dahlias occupied three benches, each about 100 ft. long, of the warehouse. The most striking feature was one continuous length of bench, arranged in seven leading varieties, each lot some 10 ft. across and raising to the ceiling in a loose arrangement with oak leaves as a foil at base and on sides. The vast quantity of blooms here grouped furnished a decoration seldom to be witnessed. The kinds shown here were Mrs. C. W. Bassett, Decorative, a pleasing deep pink; Wm. Pierce, Show, a shell pink; Mrs. Chas. L. Seybold, a double Peony-flowered rose pink; these three sorts originated with the Vincents at White Marsh and all seem to be desirable acquisitions. The remaining groups were composed of Queen Wilhelmina, pure white, Peony flowered; Fringed 20th Century, purple; Scarlet, White and Rose Pink Centuries. The effect to the eye of this line of massed flowers, each in their distinctive color, was both pleasing and impressive.

The two center benches of the warehouse naturally had to be more restricted in space given to each sort, owing to the great number of varieties shown; the color harmony was well observed in the distribution of the blooms; Oak leaves were again used as background and the eye was well satisfied with the artistic arrangement of this section. In these two lines it was readily seen that many of the older varieties still hold their own in popularity.

Kinds which were specially noticed in this grouping were in the Cactus varieties: Brunhilde, rich plum; Countess of Lonsdale, rich salmon; Juliet, bright rosy pink shading to white center; Kriemhilde, brilliant pink; Master Carl, clear orange salmon; Mrs. H. J. Jones, bright scarlet.

In the Decoratives: Jack Rose, rich velvety crimson; Lyndhurst, intense rich vivid scarlet; Mme. Van den Dael, silver pink, darker shading; C. W. Bruton, canary yellow; Mrs. Roosevelt, delicate silver rose; Souv. de Gustave Douzon, orange red and one of the largest of the decorative series; Wm. Agnew, a vivid glowing scarlet; Mme. A. Lumiere, pale white and violet, with red points.

In the Shows: Chas. Lanier, amber shaded buff; Mary D. Hallock, pure yellow; Souv. de Mme. Moreau, deep rich pink; Frank Smith, deep rich maroon, tipped white.

Sensation, one of the new double Centuries, as shown here, with its bloom of vivid vermilion heavily tipped white, is certainly grand where lively color is needed. Queen Wilhelmina, a beautiful pure white, was unique among the Peony-flowered.

Numerous other varieties were shown in all the sections as might well be imagined when it is said that the few here mentioned form a very small part indeed of the list contained in the 45 acres now under cultivation at White Marsh.

The Fruit and Vegetable Section

Most interesting was the really large collection of fruit and vegetables arranged along 100 ft. or so of the warehouse, the contribution of farmers and growers from the vicinity. The Gourds, in quantity and variety, were really remarkable, from the little 2½ long green specimens with neck to the curled and twisted varieties of 3 ft. 6 in. or more; the egg and orange Gourds were great.

Pumpkins round and oblong, in white, green and yellow. Tomatoes from the little yellow Egg, and, smaller yet, the Grape Tomato, growing in clusters, up to big commercial varieties. An attractive Sweet Potato was the Red Jersey; in Irish sorts many varieties are grown locally, Irish Cobbler, White Star, Bliss and others. Radishes, Turnips, Beetroots, Cabbages. In Peppers were specimens of Cayenne, Golden Dawn, Sweet and Chinese Giant. Beans, bush and wax; Squash, Corn and Eggplant Black Beauty, were all represented.

There was a large collection of Apples to show what Maryland can do in that fruit: Yorkshire, Smith's Cider, Bellflower, the Cole, York Imperial, English Red Streak, Shark and Smoke House were represented.

Musk and Watermelons were plentiful and luscious looking to the eye. A box of real Strawberries, sole survivors of a glorious memory, was on show. Pears, Quinces, Damson and other Plums ended this quite diversified exhibition. On shelves above the fruits were tempting glass jars and bottles, the contents thereof, the result of the work of the busy housewife, running from piccalilli to canned fruits and jellies.

The special train containing the members of the Baltimore Florists' Club and their friends left Camden station at 12.40 p.m., over the B. & O. R. R., making stops at Mt. Royal and Gay st. stations, and reaching Cowenton—the station for White Marsh—about 1.30 p.m. There were 109 persons on the train, and they were transported to the Vincent establishment in carriages and farm wagons. All partook of a substantial lunch on arrival, and then started out for a survey of the extensive plantings of Cannas and Dahlias, as well as of the Lily ponds, which latter proved quite an attraction to many. Much favorable comment was heard on the improved appearaoce presented by the exhibition this year as against that of 1909; this was owing in great part to the heavy rain of four weeks ago, which practically saved the day for the Dahlias and Cannas. The showing of fruits and vegetables was also thought to be superior to that of last year. The Club visitors returned to the city at 5.30, after a most enjoyable sightseeing and social time. Tuesday is market day in Baltimore, hence many of the trade could not attend, but will take in the trip on Wednesday and Thursday.

Among those present on Tuesday, the opening day, connected with the trade, were:

Alfred Fiedler, John Ryder, J. J. Ferry, Geo. Kalb, Arthur Finley, G. E. Turner, W. G. Day, Geo. Ireland, Andrew Anderson, Henry Lehr, D. T. Broadfoot, George Cooke, R. L. Graham, Geo. Talbert, R. M. Kemp, F. G. Burger, F. Lapp, E. A. Woodfall, H. Flitton, N. F. Flitton, Wm. Frazier, W. L. Summers, John Nuth, Harry Ekas, George Morrison, Frank Fritzie, Martin Lohr, Mr. and Mrs. Jas. Boone, Prof. C. P. Close, Mr. and Mrs. Chas. L. Seybold, Mr. and Mrs. Walter Cottingham, Mr. and Mrs. John Williams, Mr. and Mrs. W. A. Johnson, Mr. and Mrs. H. A. Kline and son Robert, Mr. and Mrs. C. M. Wagner, Miss Ada Bull, Miss Virginia Herzog, The Misses E. and M. Graham, Miss Daisy Woodfall, Mrs. E. Hansen, Mrs. F. Boesh, Mrs. Helen Cohn, Mr. and Mrs. J. L. Towner, Miss I. Cooke, all of Baltimore; J. K. Davis, Anacostia, D. C.; I. Rosnosky, J. G. Whildin, D. T. Connor, Fred J. Michell, Sr., R. J. Irwin, A. Miller, A. F. Faulkner, all of Philadelphia; J. Wagner, Towson, Md.; H. K. Rohrer, Lancaster, Pa.; Mr. and Mrs. G. A. Loutze, Glen Burnie, Md.; Mr. and Mrs. Wm. Terry, Owings Mills, Md.; Isaac H. Moss, Govanstown, Md.; The Misses Alice and Laura Rothbury, Prof. T. B. Symons, College Park, Md.; A. T. De La Mare, New York; W. Marché, Washington, D. C.; W. A. Bolinger, Washington, D. C.; T. S. Stone, Cherrydale, Va.



Echeveria Hoveyi Hort. (Crassulaceæ)

The announcements mailed out by the Vincents and the liberal column notices given to the event by all the Baltimore dailies, brought hundreds of visitors throughout the four days of the show, from all parts of the country.

The attendance at the Dahlia show on the Wednesday far surpassed that of the opening day, and the big farm presented all the appearance of a country fair in so far as the number of rigs and automobiles of every description that were present, while the farm wagons were constantly on the move carrying visitors to and from the Cowenton depot.

We have dwelt somewhat at length on this yearly fixture of the Vincents because, in the first place, the exhibition in itself is, we fully believe, superior in extent as to number of blooms shown and excelling as to artistic arrangement, any of our Dahlia shows of the present day; secondly, for the lesson it teaches, which is to the effect that it is readily within the ability of any of our growers, even the owners of quite small plants, to carry out a similar idea on their own grounds, even if on a somewhat reduced scale.

Commence by interesting your near neighbors; set a date when your leading specialty is at its best, advertise it to the best of your ability, arrange your show as attractively and naturally as is possible without going to outside or unnecessary expense. The people will come in greater number as the years go by, your reputation will grow as your name becomes known, and the dollars will flow into your coffers to your very entire satisfaction.

The idea of a local annual show is well worth a thorough trial and hundreds of florists could profitably put it into execution.

Echeveria Hoveyi Hort.

(Crassulaceæ) 28673

Plants of this new Echeveria are announced as being ready for immediate distribution to those interested. Requests for same are to be addressed to the office of Foreign Seed and Plant Introductions, Department of Agriculture, Bureau of Plant Industry, Washington, D. C. The plants were turned over to the Department for distribution, by

Dr. J. N. Rose, Associate Curator, Division of Plants, United States National Museum. Usually stemless, but when old developing a short stem; leaves forming a loose spreading rosette, pale green with broad pinkish or white margins, and these more or less wavy or sometimes colored throughout; flowering stem a second raceme bearing 6 to 12 flowers; corolla pinkish. The origin of this form is unknown, but it is probably some horticultural sport or hybrid but does not closely resemble any of our common cultivated forms, although it may be said to belong to the group of species in which Echeveria secunda and Echeveria glauca is found.

Greenhouse Vegetable Growers and Market Gardeners' Association of America

Third Annual Convention at Grand Rapids, Mich., Sept. 27 to 29, 1910

The third annual convention of the G. V. G. and M. G. A. of A. was held in the Press Hall, Grand Rapids, Mich., on Tuesday, Wednesday and Thursday, Sept. 27 to 29. The convention was opened on Tuesday morning with an address of welcome by Mayor Ellis of Grand Rapids, to which Prof. Lazenby made suitable response on behalf of the Association. President C. W. Waid then made his presidential address, which was followed by the reports of the secretary, treasurer, State vice-presidents and standing committees. F. J. Zuck of Erie, Pa., made an interesting address on "Results of Local Organization in the Direction of Selling Produce." W. J. Ritterskamp of Princeton, Ind., made an address on "The Use of the Greenhouse to start Plants for Outdoor Crops." H. F. Chester of Cleveland, O., made an address on "Outdoor Irrigation—When Practicable?" Considerable discussion followed, in which the Skinner system and other systems of irrigation were taken up. W. H. Weinschenk of New Castle, Pa., took for his subject "The Relation of the Commercial to the Small Greenhouse Growers," and made an interesting address, in which he pointed out the many ways in which the large growers can aid the smaller men. Cooperation was the prime subject of his address. Prof. A. McMeans of North Dakota Agricultural College, entertained the delegates with an interesting address, his subject being "Pointers on Onion Growing," and he was followed by J. H. Gourley of Wooster, O., with an address on "Treatment of Greenhouse Soils for Continuous Cropping." J. Vernon Sheap of Jackson, Mich., gave an interesting talk on "What Kinds of Vegetable Seeds Should the Market Gardener Grow for His Own Use?"

At the Wednesday morning session, J. N. Draper of Springfield, O., opened a discussion on "Which is to be Preferred, the Large or Small Package." A lively discussion followed his address, during which the opinion prevailed that small packages were preferable. A. Shirer of Dayton, O., handled very creditably the subject "Selling to Consumers Direct." L. B. Pierce of Tallmadge, O., opened a discussion on "Selling to the Retailer," and R. F. Dilger of Chicago, Ill., made an address on "Selling Through the Commission Men." In the afternoon the delegates were taken, in motor cars, around the different greenhouses in Grand Rapids.

Dates as a Commercial Product

THERMAL, CAL. (135 ft. below sea level), Sept. 21.—A Date orchard, now three years old, located in the desert, between Thermal and Mecca, on the main line of the Southern Pacific R. R., which I inspected this day, was of unusual interest to me, and since the cultivation of this healthful fruit is destined to become one of great commercial importance, I shall jot down some of my observations of this particular orchard. It may be well to say something of the man who is conducting the experiment, and laying the foundation on which is to be built profitable Date culture in this desert. He is a pioneer of the State, and of the industry, in this particular locality, of this fruit. His name is James P. Reed, and he will soon be 75 years old, but has the boundless enthusiasm of youth.

Three and a half years ago the Bureau of Plant Industry sent him seed of the Deglet Noor Dates, imported from Africa. These he planted, in nursery rows, and they grew fine. One seed, planted by itself, is now about 15 in. in diameter at the collar, the stem to the top of the crown 3 ft. high; the leaves are 4 ft. taller; those which grow from the body are 8 ft. long; and on this short little trunk are growing three bunches of sure enough Dates, just now beginning to ripen. Each bunch will weigh about 15 lbs. There are now growing in that grove 4000 trees, but because of the transplanting few of them are bearing—perhaps 100; 400 of them showed their sex this season—males—and were grubbed out. When the transplanting was done, they were set 6 by 8 ft. apart, with the thought in mind that when all males, except the few which will be necessary for pollenization, are removed, the trees will be 12 by 16, or perhaps more, although they will not be in regular order.

The impression I had of Date trees was that it required six to ten years for them to come into fruit. Yet here are three-year-old subjects showing character. Like all seedling fruits, they show great variation in size, color and quality. Three of them have fruit, of varying shades of red which, aside from their economic value, will be desirable as ornamental subjects. One of them is very attractive; another has golden colored fruit; another has very small seeds; and yet another is of unusual sweetness.

The soil in which these trees grow is so alkaline that where irrigated it is the color of strong coffee. A gallon of the water, dipped out of the irrigated row, when evaporated contained five ounces of salts of the following: ½ of 1 per cent. chloride of sodium, the same of carbonate of sodium, and the balance sulphate of sodium. This proved to be too strong for newly transplanted trees, and 1500 of them were lost in transplanting. To overcome this, when the next trees were set the holes were dug and, instead of soil, sand, pure sand, was used in planting the trees, and they all grew, and have a healthy appearance. Sweet Potatoes when once set in that same alkali impregnated soil, need not be replanted, but become weeds and must be treated as such. Every piece of root or rhizome becomes a plant. I dug four tubers of a half pound each from the base of a Date tree. One hill of tubers last year when dug produced 120 pounds of Potatoes. The vines luxuriate in the brilliant sunlight and the intense heat and low relative humidity of this desert region.

The record for the 24 hours of temperature and humidity is as follows: 65° to 104° temperature, 16 to 46 per cent. humidity, and, while I write, 12.30 a.m., Sept. 22, the instrument shows 77° temperature, 34 per cent. humidity, which is 2 degrees higher, and 7 per cent. more moisture than for the same period yesterday.



The Late John Donn and His Family

Dates must be artificially pollinated, not by hand but by suspending male blossoms in the female trees. One such tree was not so treated and the fruit is a bunch of freaks. When the final selection of varieties will be made out of this grove of seedlings, the desirable varieties will be propagated from the suckers. They will be removed by the use of a sharp, broad chisel, and planted at any time from May 1 to Sept. 1, where they are to grow.

Another word about this alkaline soil: If not broken up by cultivation immediately after irrigation, it dries into a hard crust, and when walking over it has much the same feeling and the same sound as when one walks over a layer of broken flower pots, of the two-inch size. It may be well to state that the land in this valley is not all of the same quality and character. Some of it is light, sandy loam, free from alkali, and produces the earliest Grapes in the State. This is known as the "artesian belt." The irrigation is done by means of flowing wells, the water of which is 75° temperature.

An exhaustive and comprehensive paper by Walter C. Mendenhall, Water Supply, Paper 225, issued by the Interior Department, should be carefully studied by any one who contemplates going into commercial Date growing. As a sanitarium, this particular spot is a specific for throat and lung troubles.

This is the native habitat of the Palm Washingtonia filafera, and at Palm Springs there are 25 or 30 of these trees, growing in a small stream of living water, which for size of trunk and clean foliage are larger and more beautiful than any I have ever seen—and I know of hundreds in the Coast section of the State which are liberally fed and watered, yet none of them show the healthful vigorous appearance which characterizes these.

The experiments with Cotton in the two years past have been so wonderfully successful that in this locality a gin is now being erected, and in the Imperial Valley, farther south, three of them to care for the crop this season. Never before have I seen a field of this plant, and must confess to a disappointment in the appearance. Instead of the bolls all appearing on the top, as pictures show them, they are scattered through the plant, nor are they large and fluffy, but compact, tight little bunches, securely fastened to the dry, hard expanded calyx. The fields where well cultivated are a beautiful sight because of the vigorous plants and luxuriant foliage.

A better and more sensible method of agriculture is being followed now, than in years past, in this State. It is becoming to be understood that all plants will not do well in all soils, and that it is not wise to plant some particular crop or tree everywhere, because some one has reaped a rich harvest in some locality. And thoughtful planters are not now making the mistakes they once did, with the possible exception of Citrus fruit growers. There is a craze on among that class of men that is sure to result in financial failure in the so-called Citrus fruit growing sections of the State. Thousands of Orange trees are being planted in soils wholly unsuited to them, and when ruin overtakes the planter he will pronounce his maledictions on the heads of real estate agents for the failure, instead of his own, for his lack of judgment, and discretion. There is no necessity at this time for anyone coming to this State to conduct expensive and doubtful experiments to determine what trees and plants will succeed in any given locality. A careful study of what has been done will be sufficient to save "tenderfeet," as immigrants are known, from financial ruin in farming and fruit growing.

P. D. BARNHART.

The American Rose Society

The schedule of premiums for the Spring show of 1911 will soon be issued, with the list of special prizes to be offered at the National Show in Boston next March. At the last annual meeting special letters were issued to Mr. Richard Vincent, Jr., as representative of the American Rose Society at the National Exhibition held in Belgium and also at the show held in the Royal Botanic Gardens at Regent's Park, London. Mr. Vincent reports having received the kindest attention and that the people in charge were delighted with the action of the American Rose Society in extending the courtesy of a special representative. The honorable secretary, Mr. Edward Mawley, of the National Rose Society of England, writing under date of Sept. 6, says: "We were pleased to see the representative of your Society, the Rev. Dr. S. S. Sulliger, and to welcome him at our leading exhibition on July 8, and we are glad to hear from him that he much enjoyed the time he spent with us." These are pleasant acknowledgments of courtesy that tends to cement the friendship between the nations; a most desirable thing in these days of continued communication between civilized peoples.

The American Rose Society aims to have a "Rose for every Home, and a Bush for every Garden," and it is a fact that more outdoor Roses are now in bloom, and have been planted within the last three years, than ever before saw the sunlight in America.

BENJAMIN HAMMOND, Sec'y.

Obituary

Marie M. Keitsch

Mrs. Marie M. Keitsch, president of H. Keitsch & Son Co., Buffalo, N. Y., died on Sept. 25, the funeral taking place Wednesday, the 28th. Mrs. Keitsch was born in Silesia, Germany, Sept. 24, 1833, and succeeded Henry Keitsch who began business in Buffalo as a florist in 1860 at 57 Earl Place and died in 1901. She was the mother of ten children, all of whom survive her, and three of them, Charles, Albert and Elizabeth, will conduct the business as heretofore.

John Donn

John Donn, one of Baltimore's well-known florists and landscape gardeners, died on Tuesday, Sept. 13, at his home, 1319 N. Caroline st.

Mr. Donn, who was 66 years of age, was born in Ayr, Scotland, and came to this country about 35 years ago. He was at one time in charge of Peter Henderson & Co.'s flower department in New York City. In Baltimore he conducted a florist establishment on Erdman ave. for many years, and also had a stall in the Lexington and Richmond markets. He catered to the city's best trade and only handled high-grade stock. He also had the reputation of being an expert landscape gardener. He was a prominent member of the Gardeners and Florists' Club, and regularly attended its meetings until his health began to break. He was a member of the First United Presbyterian Church of Baltimore, and was for several years one of the presiding elders.

The deceased is survived by a widow and two nieces, Miss Susie McFarlane and Mrs. G. E. De Muth. The funeral was held on Friday, Sept. 16, interment being made in Loudon Park Cemetery.

Among the Growers

Henry A. Dreer, Inc., Philadelphia, Pa., and Riverton, N. J.

The beginnings of the seed and plant business which is now conducted at Philadelphia, Pa., and Riverton, N. J., under the title of Henry A. Dreer, Inc., date away back to 1838, 72 years ago, when the last century was still young. From that time the business has continued to grow, until it has become one of the largest of its kind in the world and, nevertheless, it is still growing, as is clearly shown by the recent purchase of 125 additional acres of land and the plans already matured for beginning the erection of a very large greenhouse range, of the most modern construction, thereon.

How Things are Done at Dreers

Everything at the Dreer establishment is conducted on a large scale. The glass there is reckoned not by square feet, but by acres. In fact, there are seven acres of glass now at Riverton, and as many, or more, acres covered with coldframes. There are no plant gardens at Dreers, but plant farms; a sixty acre plant farm at Riverton Center, near the water and the railroad station; and 70 acres at the "Locust" farm, some two miles back, where a heavier clay soil is found—and yet every foot of these plant farms and nurseries is as carefully cultivated as plant "gardens" usually are.

There is not merely a pond, at Dreer's, of hardy Nymphæas, Nelumbiums, and many other aquatic plants, but miasmic and mosquito breeding marshes have been reclaimed and changed into a range, as it were, of ponds covering seven acres, where a wealth of aquatic blossoms please the eye, and fill the air with their delicious fragrance. The visitor does not find at Dreer's several houses only of Palms, but between three and four acres of them under glass, in sizes all the way from the tiny plantlet, which has just burst its hard seed coat, up to specimens 14 ft. tall which, with their tropical grace and beauty, look down upon him.

It is this large way of doing things at this establishment which makes it so difficult to descend to details. Plants here of several kinds are raised, not by thousands merely but by hundreds of thousands and even millions. But notwithstanding the fact that the numbers are so great, such care, precision, and system prevail in all the work that the establishment is enabled to send out stock of a quality that has made the name of Dreer, far and wide, enviably famous.

In this article an attempt is made to note briefly only such plants as are now in season, and those greenhouse plants which are most used and are always in season; the great variety of rare and beautiful ornamental plants which the retail florist may find here for the adornment of his conservatory, and windows, and which the private grower could use to enrich his collection is scarcely touched upon.

The Palm House

In walking among the several acres of Palms, the Kentias claim first attention. Here, under the benches, have just been planted in beds of peat 150 bushels of Kentia seeds. It will be from three months to a year before they will lift their cotyledons out of the black soil. Here are tens of thousands of Kentias in 2¼-in. pots; and here also are other perfectly grown plants in 4-in., 6-in., 8-in. sizes, and others still in sizes up to 16-in. tubs—a splendid sight. Up to the 8-in. sizes, K. Belmoreana is most used, but in the larger sizes, those all the way from 7 ft. to 14 ft. tall, K. Forsteriana is preferred. The smaller plants are grown on the iron frame, slate bottomed benches, which are used in this range, and the larger on raised solid beds, or on the ground level of the houses. Other varieties of Kentias in smaller numbers are grown. Here is a block of 275,000 small Areca lutescens, growing three plants to each 2¼-in. pot, just as they were sown. Other well-grown plants of the same Palm in very large numbers are noted up to 9 in. specimens of great beauty.

Cocos Weddelliana next claims attention. In most establishments this beautiful Palm is grown only in the smaller sizes, but large Palms of this kind are one of Dreer's specialties, and they are grown here in perfection, in sizes even up to 9-in. pot plants, a very unusual size. Phœnix Palms of several varieties including the beautiful P. Roebelenii are seen here in all sizes from the seedlings up. Among them are some elegant specimens of P. Canariensis and reclinata. A large block of Latania Borbonica is noted, the growing of which popular old Palm has been much neglected of late years. A large number of plants of that neat, compact and attractive Palm, Livistona rotundifolia is also seen. Other Palms in smaller numbers are grown.

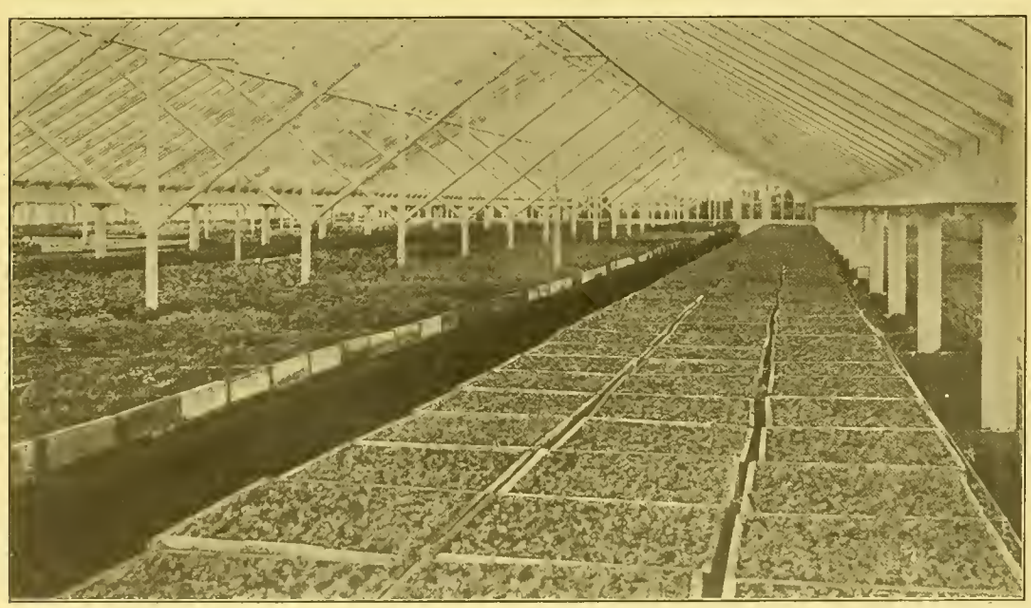
In going through the Palm houses, large blocks of Palms, covering perhaps an acre, are seen set aside and marked with the names of different persons. These Palms were bought, perhaps, months ago, and are held till the buyer orders them shipped. This is a method which Dreers has of conducting its business, both in sales of Palms, and as far as possible of other plants, which has met with much favor with customers.

Growing now under a lath house are many thousands of those justly popular Araucarias in variety. A new variety, A. plumosa, a deeper green than compacta, but not as compact, will certainly meet with much favor, as it is a handsome species.



House of Cocos Weddelliana

Henry A. Dreer, Inc., Riverton, N. J.



House of Fern Seedlings

Henry A. Dreer, Inc., Riverton, N. J.

Three Million Ferns or More

Three millions or more Ferns are grown here each year, occupying an acre or so of greenhouse space, and the same area of outside coldframes in Summer. The spores are taken from the stock plants for such as are produced that way, and 3000 pans are sown four or five times each year, giving more than a million Ferns by this manner of propagation. After germination the pans of seedlings are carefully rogued. Two hundred and fifty thousand Ferns in 2¼-in. to 3-in. pots are now growing in outside frames, 3000 pans of small Ferns are at this time being potted off for the Christmas trade, and 100,000 Ferns in small sizes are growing inside. Here is seen the largest stock in this country of that most beautiful of all Ferns, Cibotium Schiedei, in sizes all the way from the tiny plantlet up to plants in 11-in. tubs with a 5 ft. spread. In Nephrolepis Bostoniensis some fine plants in 6-in. pots are noted, and also in larger sizes, but from the 8-in. sizes up the variety W. K. Harris is found more desirable, and some particularly well-grown specimens in 10-in. pans are seen. N. Scottii is well represented and is reported to be as popular as ever. N. Scholzeli, with its full center, so useful, even in small sizes, for basket work, is grown in large number; also N. elegantissima compacta, and a block of N. Giatrasii. N. davallioides furcans, an old but handsome variety in 10-in. pans makes fine plants. Some specimens are also seen of N. exaltata magnifica, a beautiful Fern for a private collection, bearing the same relation to other Nephrolepis as Adiantum Farleyense does toward other Adiantums.

A full house of beautifully grown Adiantum Farleyense is worth going far to see; another of well-grown A. Croweanum, and a large block of that pretty species, A. macrophyllum variegatum are noted. A block of Gymnogramma chrysophylla superba looks as if it had been sprinkled underneath with veritable gold dust. Asplenium Nidus-Avis is one of the Dreer specialties, and is grown in very large numbers in from 2-in. to 6-in. sizes, and is largely used in fancy ware for the best retail trade. A full line of Pterises is grown, notably Pteris Wilsoni, the best of all the Pterises. Polypodium aureum is a very striking Fern when well grown, as seen at Dreer's. Selaginella Emmeliana aurea forms with its golden color quite a sharp contrast with the other Selaginellas seen here.

The Decorative Plants

It would be impossible in this limited article to mention all of the wonderfully beautiful decorative plants seen in that part of the range devoted to them. Among them was noted the Acanthus Montanus; the Marantas, especially rosea-lineata; the new Sanseviera laurentii, with its yellow-edged leaves; the Anthuriums, especially the Andreanum hybrids, and Scherzerianum with its brilliant

scarlet flowers. An unusually large collection of Nepenthes, with the pitcher appendages to their leaves, is very interesting. Passing hastily by the well-grown and attractive Pandanus, Dracænas of the different species, and also the Aralias and Aspidistras, the visitor comes to the largest block ofo Ananas sativus variegatus, variegated Pineapples, ever gathered under one roof. These Pineapples varying from sizes in 4-in. to 7-in. pots, with the fruit now forming on the larger sizes, and with the beautiful creamy yellow and red tints suffusing both foliage and fruit, are among the richest and most beautiful of plants, and the block of 2000 of them seen here are simply fascinating.

The Seven Acres of Aquatic Ponds

In walking through the range, the tanks where the tender Nymphæas and Nelumbiums are grown are seen, and an exquisite collection of their blossoms just cut for the Newport show is observed. Passing out of the greenhouses and down in the lower lands the visitor sees the several acres of ponds filled with the hardy Nymphæas, Nelumbiums, and other aquatics. Blooms are seen of many colors and sizes. The air near some of these ponds is heavy with the perfume of Lilies. Even the foliage is a study, notably he leaves of the Victoria Trickeri, which are five feet in diameter. Dreers is, probably, the largest grower of hardy and tender aquatic plants in this country. One could profitably spend a day at least in looking at the aquatics alone.



Nelumbium Speciosum

Henry A. Dreer, Inc., Riverton, N. J.

Carrying Over Roses and Perennials

One of the special features in the conduct of the Dreer establishment is now, and has been for many years, the potting up and carrying over in cold greenhouses and frames of an immense number of Rose bushes, and hardy and half-hardy herbaceous biennials and perennials which are used for filling Spring orders and give such universal satisfaction to buyers. It will be sufficient, to give an idea of the immense business done in this line, to state that 200,000 Rose bushes for one item are carried over in this way. A fine feature of this part of the business is, and in all other matters where practicable, that a buyer can order these plants a long time ahead of the delivery season, and his order will be selected and set aside for him until the time comes for delivery; and it is an unforgivable offence for an employee to take any plants from these reserved or "blue labeled" plants for filling any later orders. It is, therefore, really a case of "first come, first served," as it should be.

Over an area of some ten acres adjacent to the Riverton range a rain shower can be had at any time by means of the Skinner overhead irrigation system used over this area.

The New Marguerite Mrs. F. Sanders

Before leaving the greenhouses and their surroundings —where the EXCHANGE representative had the courteous guidance of J. D. Eisele, vice-president and general manager of the company, who has been with Dreer's for 34 years, and later the equally courteous attention of J. C. Clark, whose chief charge is the management of the Fern, aquatic and Dahlia departments—a recent arrival should be mentioned, brought over from England by George A. Strohlein, the assistant manager of the company, and in charge of the order department. This new arrival is "Sanders' new white, double-flowered Marguerite Mrs. F. Sanders, Chrysanthemum frutiscens flore pleno albo." This new Marguerite, which received an award of merit from the Royal Horticultural Society (Eng.), May 24, 1910, an award of merit from the Birmingham Botanical and Horticultural Society's Show, June 8, 1910, and a first-class certificate at the York Gala, June 15, 1910, will be disseminated by Dreer's in the Spring of 1911. The plants brought over by Mr. Strohlein are at once starting into growth after their voyage. They are large, symmetrical, well branched specimens in 6-in. pots. A larger invoice will soon follow. The following are quotations from the originator's description: "Far surpasses any and every other kind in the purity of its snow white Anemone double-flowered blossoms." "The freedom with which the flowers are produced, measuring 5 in. in diameter even in Midwinter, is truly marvelous." "It certainly has no equal as a free growing and free blooming white flowering plant that is adapted to all purposes of decorating or cutting." The Gardening Magazine says of this Marguerite: "There is a circle of about two dozen broad ray petals or florets forming a setting for the broad Anemone-like center, composed of row upon row of short fringed pure white disc florets. The whole flower suggests a glorified and refined Pyrethrum, and the deeply cut and elegant foliage below adds grace to it." The Garden says of it: "A pure white-flowered variety of great beauty. The flowers are not unlike huge double-flowered Pyrethrums, and are borne on long stems." The Field says: "It is certain to become popular, particularly with market growers, as it is of good habit and free flowering."

Some Features of the Outdoor Plantings

Passing, on the way through the frames, some of that beautiful grass Pennisetum macrophyllum atro-sanguineum, with its rich coppery bronze foliage and blossoms, the visitor soon comes to a field of Dreer's famous double Petunias. Six men all the blossoming season have been busy bybridizing these Petunias. The choicest double blooms are crossed upon the finest singles, and even when the seeds obtained from these do not give double flowers they always give choice single blossoms. The choicest double plants are selected each year, and cut back after the blooming season, and thus strong stock plants are obtained from which to propagate. Nearby a most gorgeous display breaks on one's vision—a field of more than 50 varieties of Dreer's choice Cannas, with their tropical foliage and brilliant blossoms. In its present state of perfection the Canna is the best of all plants for large bedding work where tall plants and a brilliant show and tropical effect are sought.

The automobile being ready, Harry C. Sim, who is at the head of the perennial department, took the EXCHANGE representative out to Locust Farm, to see 70 acres of herbaceous perennials, Dahlias and shrubs. The 20 acres of Dahlias, 618 varieties, many of which are only on trial, and from which only the best will be ultimately selected, are looking fine, and in the clay soil they are making strong tubers, although not yet blooming to any extent. What the Dahlias now lack in the way of blooms, 500,000 hardy Phlox plants, now in full bloom, supply. There are so many attractive varieties of the Phlox, one of, if not the most desirable of all hardy plants, that it is hard to make a selection of the most meritorious. Among them, however, are noted: Geo. A. Strohlein, a bright scarlet with crimson eye, undoubtedly one of the coming Phloxes; Siebold, one of the paniculata type, which type is much sought; Le Mahdi, a deep reddish violet, the nearest to a blue Phlox; Hermine, a white, so very dwarf that it is suitable for edging; F. G. Von Lassburg, pure white, individual flowers very large; Eugene Danzenvillier, the finest lilac colored; Henry Murger, white with crimson carmine center, a variety of great merit; Frau Anton Buchner, with very large truss and individual flower, a new introduction; Elizabeth Campbell, salmon pink, of German origin, just awarded a gold medal in England; Von Hochberg, a beautiful crimson; and Rosenberg, a bright reddish violet, with blood-red eye, and individual flowers as large as a silver dollar.

Walking over the farm a visitor sees the whole line of desirable herbaceous perennials; five or six acres of Peonies, Japanese and German Iris, Hemerocallis, Funkias with their wealth of blue blooms, Anemones, and the dazzling flame-colored Tritomas, now in full bloom; the showy Rudbeckia purpurea, Delphinium Chinensis, fine for massing, and D. Formosum, and D. Belladonna, the most prolific bloomer, are all now beautiful with their blue blooms. The hardy Asters are now making a brave show, especially Nova-Anglia rubra, and Rycroft Pink. Rudbeckia Rays of Gold, a new variety, Helenium superbum, and Helianthus Wolley Dod, with fine large single flowers, good for cutting, are all now fully covered with yellow blossoms. Several acres of Rose bushes are growing on for later potting up, and are covered with bloom; these embrace all old and new varieties of merit. Iris pallida folia argentea variegata is a variety with very beautiful foliage. These are only a few of the many hardy herbaceous plants, but mention of the others, and also of the many shrubs grown at Locust Farm must be left until some future time. As it was stated in the beginning so it may be said again at the close of this article —there are so many good things at Dreer's Riverton greenhouses and nurseries that in a day's visit only a part can be seen.

ZINNIA HAAGEANA STELLATA.—This is a new variety of the double Mexican Zinnia, differing from it in that its flowers are single. The petals are pointed and curl under; the flower head, therefore, seems very light and graceful, much like a Cactus Dahlia in miniature. The color is orange yellow. The plant grows to a height of 12 ins. and is compact in habit, with strong, green leaves. It blooms profusely and continuously from July to October. It has been put on the market by M. Herb of Naples, Italy.—*Revue Horticole.*



Field of Phloxes

Henry A. Dreer, Inc., Riverton, N. J.



THE NEW FERN NEPHROLEPIS DREYERII

(SPORT OF BOSTON)

THIS New Fern, when exhibited at the S. A. F. & O. H. Convention recently, received the following description: "Nephrolepis Dreyerii has *many good points* which will render it *popular*. It makes a *quick growth*, is *compact*, of *good color*, and stands considerable *rough treatment*, adapting itself to almost any condition. It is of the Scottii type, but *not as stiff*, the fronds drooping *gracefully*, giving the plant a very *attractive appearance*."

Ready for delivery after October 1. PRICE: 2¼ inch pots, per 100 $25.00; per 1000 $200.00

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Size	Per 100	Size	Per 100
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†21x7x3½*	3.25	22x22x8	12.00
†24x5x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x16x8	10.00
25x15x5*	7.25	24x18x8	12.00
†30x5x3½*	3.75	28x22x8	13.50
†30x10x6*	7.50	30x16x8	13.50
†30x12x7	9.00	26x20x10	16.50
†36x6x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†36x10x6*	9.00		

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

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Question Box

(75) **An Exhibition Question.**—I exhibited at our county fair and there arose a controversy to whom belonged the premium. Following are the conditions of awards: "Floral Display (professional)—Display must be worthy of prize and must be grown and owned by a florist of Knox Co. Best display not less than 150 decorative plants, $20." Now, our display consisted of 150 Palms and Ferns. Our opponent's consisted of 150 Palms, Ferns, Dracænas, Pitcher plants, Begonias, Caladiums and bedding plants, namely Coleus, and a Lemon tree. Who would be entitled to the prize, and are Begonias, Caladiums and Coleus decorative plants in this class or, in other words, what are the standard decorative plants for churches, halls and house decorations?—C. E. S., Ohio.

—Condition of plants in the two exhibits being equal, the judges would undoubtedly be justified in awarding the premium to the exhibit containing the greatest variety. Arrangement and general effect would also be considered by the judges, but in such a class variety would count strongly. It would be quite proper to include Begonias, Caladiums and Coleus in such an exhibit.—W. H. T.

(76) **Starting Lilium Giganteum** and Tulips. Vines for Hanging Baskets, Potted Plants for Christmas; Name of Plant. —Would you start L. giganteum in sand or in pots with loam? The same about Tulips. Please name a few potted plants for Christmas retail trade? Please name vines used for hanging baskets or window and porch boxes? What is the name of the grass or Palm looking grass plants in the above boxes?—J. S., Conn.

—Plant both the Lilium giganteum and Tulips bulbs in rich loam, in pots, but do not use any fresh manure. Among the potted plants used for Christmas are Ferns, Palms, Dracænas, Crotons, Lilies, Roses, Poinsettias, Cyclamens, Primroses, Begonias, Cinerarias, Geraniums, etc. For vines use Vinca variegata, Parlor Ivy, English Ivy, the different colored Tradescantia, and Glechoma variegata. The "Palm looking grass plants" are probably Dracæna indivisa.

(77) **To Get Rid of Snails, in Greenhouse.**—Will you please give me a remedy for snails? My greenhouses are overrun with them. I have tried air-slacked lime in walks and between the plants but this does not seem to kill them.—P. H. W., Mass.

—Go through the greenhouses at night when the temperature is lowest, with a lamp with a shade on or, better still, a lantern with a reflector and gather the snails from among the plants. It is better to have one man to hold the lamp and one to gather the snails, but not necessary. Just between daylight and sunrise, when one man can do the work without a lamp is an excellent time. Lay short pieces of old board at night on the benches between the plants, and the snails will collect under these as the temperature rises in the greenhouse next morning; they can then be gathered and destroyed.

(78) **Lower Leaves of Winsor Carnations Drying Up.**—Can you tell me what makes the lower leaves on my Winsor Carnation plants turn brown and dry up? They were planted about August 15, but were not shaded any after planting. They are growing and what is left of their tops looks healthy and a good green color. This is my first year with Winsor. I have cleaned them all off good and hope they will come around all right. Please let me know what more I can do? The Winsor is showing 6 to 8 buds to the plant. Shall I let them come or break them out?—G. A. R., N. Y.

—It would have been far better to have shaded the Winsor Carnation plants



ONCIDIUM VARICOSUM ROGERSII (Greatly reduced)

Good Pieces
$100 00 per 100, $13.00 per doz., $1 25 each

Fine Pieces
$60.00 per 100, $7.50 per doz., 75c. each

We have about **1000 fine pieces** of this **grand orchid** in prime **dormant condition** and offer them as above till sold, as we have no greenhouses to grow them.

Your money back in flowers this Fall

Oncidium Varicosum Rogersii

THIS Orchid is one of the most popular and free-flowering types of the Oncidium family. *Oncidium varicosum Rogersii* throws 3-foot stems, bearing as many as 170 blossoms of a rich golden yellow, 2 inches and over in diameter, and can be successfully grown either on blocks of wood, in pots or in baskets, and flowers in November and December in a night temperature of 55 to 60 degrees.

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Part are first class plants, all strong and healthy, whole lot $50.00 cash.

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STEVIA Compacta, field-grown, large plants, $5.00 per 100.

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Enchantress, Beacon, Winsor, White Perfection
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after benching them, until root action had begun again. Possibly the trouble began in the field and continued after benching. The picking off of the brown leaves is all right. Give careful attention to the matter of watering and ventilation, and the plants will probably improve. If the plants are rather small and weak, it will be better to remove at once all or nearly all of the present crop of buds; if they are not, then let the present buds develop.

(79) **Plant for Name.**—A. C. H., N. Y.

—The plant submitted for identification is Impatiens fulva. Some of the common names which are applied to it are: Balsam, Jewel-Weed, Spotted Touch-me-not.

(80) **Tying Up Snapdragon.**—What is the best method of tying up Snapdragon in the greenhouse to keep the flower spikes up straight?—A. J. D., N. Y.

—Use the wire and string system of support so much in use in Carnation houses. Briefly, this system is as follows: Strong supports are erected at each end of bench; galvanized wire, about No. 16 size, is extended tightly the full length of bench along the edges and between the rows of plants, and fastened to the framework support at each end of bench. Supports are provided at about every 25′ throughout the length of the bench and stay laths every 10′ to keep the wires a proper distance apart. Ordinary strong twine is used in cross tying, two strings being used between rows across bench. These strings are tied to wire at edge of bench, wrapped around each wire between plants with a half hitch as they are taken across bench, and then tied to wire at opposite edge of bench. This leaves each plant held by itself in a square of wire and twine. Several tiers of wire and string should be added as the plants increase in height.

(81) **To Kill Lice on Chrysanthemums.**—Can you tell me what will kill lice on Chrysanthemums, and keep them off?—A. E. K., N. Y.

—The important point in the procedure, whatever insecticide is used, is to first by its use get off all of the lice and then use the insecticide regularly and often enough to keep them off. The following is suggested: Use according to the accompanying directions any of the Tobacco or other insecticides advertised in our columns, or use simple Tobacco stems or powder as a fumigant. Heavy syringing with water and hose is also always helpful in keeping down the lice.

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Fine, Healthy, Field-Grown

600 **PRESIDENT SEELYE** 300 **HARLOWARDEN**
200 **VARIEGATED LAWSON**
$6.00 per 100.

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PERLE and **SUNSET,** $8.00 per 100.

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ENCHANTER, MRS. JARDINE, RHEA REID, WOOTTON, from 3-in. pots, $15.00 per 100.

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Plumosus Nanus, from 3-in. pots, $5.00 per 100.

Plumosus Nanus, from 2¼-in. pots, $4.00 per 100.

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Address of this advertiser upon application.

Massachusetts Horticultural Society's Annual Show

The general Autumn exhibition of the Mass. Hort. Soc. which was opened to the public at noon on Friday, Sept. 23, was of great interest and educational value. The three exhibition rooms were taxed to their utmost to hold all the exhibits. There were Autumn flowers of all kinds, magnificent fruit, and an excellent exhibit of vegetables. The attendance was quite large, and when one saw scores of people, with note books, carefully taking down names, it was easily realized that there would be some business transacted next Spring. It might be said that this was for the most part a trade exhibition. Outside of the fruit and vegetable exhibits nearly all the flowers and other exhibits came from florists and nurserymen, and tradespeople generally. The arrangement was much more pleasing than that of the show held a week ago, although there could be improvements. Owing to the way Dahlias are scheduled it is almost impossible to make pleasing arrangements with them. For instance, take class 3 in the schedule, which reads: "Dahlias, show, twenty-four blooms, named varieties." Now these Dahlias were staged with short stems five or six inches long, and one in a vase. The individual flowers were all that could be desired, but who could arrange them otherwise than in the usual way of one in a vase. To show and display a greater usefulness, schedules must be made up differently and classes must be provided for so that flowers will have longer stems and more than one flower on a stem or branch. The varieties are rather deceptive to the general public when exhibited just one flower on a stem. It is impossible to tell, from the manner in which they are exhibited, that there were more than one or two flowers on the whole plant. So many people are deceived through seeing exhibition blooms staged in this way. A better way to show these flowers would be to exhibit several in a vase, on long stems, demonstrating habit of the plant and showing the flowering qualities also. Such arrangement would also add to the effect of the exhibits and do away with the stiffness and flatness which is so monotonous at exhibitions.

I should like to say to the exhibitors, especially to those who exhibit Dahlias, and who are growing them for sale, that they ought to label them in such a manner that people can read the names. Many of the exhibits bore the names of Dahlias written so illegibly that it was with the greatest difficulty they could be deciphered. Trade exhibitors should always try to label their plants or flowers correctly and legibly, as it adds a great deal to their business possibilities.

The center of the large exhibition room was given up to entries of Dahlias in their different classes, and the general flatness was relieved by a magnificent display of Dahlias, right across the middle of the hall, in the Society's Japanese vases, by R. & J. Farquhar & Co., which showed what could be done with the flowers in large, artistic decorations. This was by far the best exemplification of the usefulness of Dahlias in the whole exhibition; and it proved to any observer that Dahlias could be used to advantage in decorations when handled by a person possessing some artistic ability. On the left side of the large exhibition room J. K. Alexander of East Bridgewater, Mass., made a large general display covering two large tables.

In the next alcove the Fottler, Fiske, Rawson Seed Co. put up a fine display of Dahlias from their Marblehead farm, for which they were awarded the Society's silver medal. Their single blooms were exhibited in white, low, glass collars. The collars showed up the individual flowers well, but their white color was anything but pleasing. It is a good rule to imitate as nearly as possible the natural color of the foliage of the plants exhibited; Nature does not make many mistakes in her foliage arrangements.

On the right hand side of the hall R. & J. Farquhar & Co. put up a grand display of hardy herbaceous plants, entered for the best collection of cut blooms of hardy herbaceous plants, to cover not less than 100 square feet or more in 20 genera. It won for them the first prize, the Society's silver medal. The arrangement in this display was magnificent. Some of the best things in the collection were large vases of Lilium speciosum, Helenium autumnale superbum, Boltonia asteroides and latisquama, Salvia grandiflora, Chrysanthemum uliginosum, and Chrysanthemum maximum King Edward VII. New hardy Asters, which were exhibited for the first time, were Airship, a white dwarf variety; William Marshall, pale blue, also dwarf, about 18 inches high; Novæ-Belgii hamalva and Juno, dwarf and of a light blue color. Helenium Riverton Gem was well shown, and so were Helenium Riverton Beauty, and several good varieties of Anemone Japonica.

In the next alcove to Farquhar's was the most interesting exhibit in the building, from B. Hammond Tracy of Wenham, Mass., embracing his wonderful Gladioli. The arrangement was the best we have ever seen of this flower. Not only was the arrangement and material good, but every advantage was taken to show and exemplify the various ways and uses to which these grand flowers can be put. Mr. Tracy is a keen business man and perceives quickly that the greater the number of ways in which he can educate the public to use his flowers the better his business will be. The variety Fireside, a beautiful red, and which was arranged with Oak sprays, pleased me more than anything else in his exhibit. It was a happy combination. Table decorations, garden effects, bouquets, artistic baskets, and several other arrangements were shown, so as to demonstrate the many and varied ways the Gladiolus can be used advantageously. Both Mr. and Mrs. Tracy worked hard on their exhibit and deserve much credit for what they are doing in the direction of showing the usefulness of Gladioli.

In front of the steps in the large exhibition room Henry A. Dreer, Inc., of Philadelphia, exhibited a magnificent lot of Water Lilies and other aquatic plants, staged and cared for by John S. Hay, their representative. The exhibit was very much admired and received the Society's silver medal. Some of the finest things in this exhibit were Nymphæas Pennsylvania, Ernst Ludwig, Wm. Stone, Capensis, Mrs. C. W. Ward, Bissetti, dentata magnifica, O'Marana, and flowers of Victoria Trickeri and several Nelumbiums.

In the lecture hall there was a splendid show of fruit, which was of high quality. Apples, Pears, Plums, Peaches, and Grapes were all well represented. Not for many years has there been such a fine exhibit of foreign Grapes. There were three excellent entries: Thomas E. Proctor of Topsfield (James Marlborough, gdr.), won the first prize with a superb lot of fruit; Morton F. Plant (Thomas Head, supt.) had a good second.

R. & J. Farquhar & Co. exhibited in the lecture hall several new Chinese plants; Buddleia, a form of variabilis; a new fragrant white-flowered Clematis; a new Lonicera; and Polygonum multiflorum. They also exhibited a new Begonia named Alice Manning, which makes a beautiful basket or hanging plant; it has a drooping habit and yellow flowers; it is presumed it is a hybrid between a tuberous-rooted Begonia and Begonia Percei. Thomas Watt of Wellesley displayed a plant of Oncidium varicosum Rogersii, grown in a 5-in. pot, and it had four good spikes of flowers. James Garthly had a table of superb Melons. The entries for the general display of Dahlias was in this room, and they were good. The Dahlia flowers, taken as a whole, were of excellent quality and well-developed flowers.

The most successful prizetaker of Dahlias was W. D. Hathaway of New Bedford. He took four firsts and several second prizes. His flowers were away ahead of all the others and he won more first prizes than any other grower in New England this year. He claims that keeping the cultivator going does the trick. In the Show Dahlias, for 24 blooms named varieties, there were four entries, and W. D. Hathaway won the first prize with the following varieties: Gold Crest, Gladiator, Lydia, General Miles, Dr. Keynes, Florence Trantor, Flashauld, Esmond, Miss Mary Large, Southern Queen, Souv. de Masuer, Dreer's White, Eric Fisher, Duchess of Albany, Victor Duflott, Frank Smith, W. W. Rawson, Peri, Statesman, Gloire de Lyon, Surpasse Colosse, Eugene Mezard, and Queen of the Belgians.

For 12 blooms Show Dahlias, named varieties, there were five entries and W. K. Hall won the first prize with the following varieties: Mrs. Helen Hollis, Mary Garden, Bertha, Dr. Keynes, Aunt Patia, General Miles, W. W. Rawson, American Beauty, David Warwick, Estelle Christy, Mayor Kent and Gold Medal.

There were only two entries for the 24 Peony-flowered Dahlias, and the first prize went to W. D. Hathaway. The following varieties were the winners: Mrs. Louis Carter, Lady Saville, Mrs. F. Baron, Mrs. H. C. Holden, Baron de Grancy, Mrs. A. Worsey, Lady M. Paget, Philadelphia, Edelweiss, Viscountess Wolverhampton, Mrs. G. Keeling, Codsall Gem, Mrs. F. G. Baker, Lady K. Drummond, Mrs. W. E. Whinneray, Hon. Mrs. Howard, Countess of Lonsdale, Franz Liszt, Mrs. Marshall, Lady Clare, Mrs. W. Kerr, Mme. Terney, Mrs. B. Court, Hon. W. S. Porter.

The first prize for 12 blooms Peony-flowered went to Turner & Co., and the flowers were: Holstein, La Riante, Tremont, Queen Wilhelmina, Germania, H. Homswald, Alsace, Pinkerton, Andrew Carnegie, King Edward, Allendale, Bertha Van Suttner.

There were three entries for 24 blooms Cactus Dahlias, and W. D. Hathaway was first again with the following: Ignea, Belle, Directeur Quennec, Countess of Kinmare, Mrs. Walter Baxter, Elsie, Malcolm Richardson, Ianthe, Mercury, William Marshall, Phineas, Royal Scarlet, Glory of Wilts, Gustave Barr, Dorothy, Aurora, Master Carl, Faunus, R. T. W. Jameson, H. Shoesmith, Crepuscula, Advance, Clincher.

Turner & Co. won the first for 12 Cactus with Aristid Gurtler, Mercury, Dorothy, Advance, T. G. Baker, Mrs. H. Shoesmith, Crepuscula, W. Marshall, Master Carl, Mrs. F. Grimsted, Faunus and Caradoc.

There were five entries for 24 blooms Decorative, and the first prize went to W. D. Hathaway, his winners being: La Colosse, Vanden Dod, Le Grand Manitou, Geo. Floyd, Marrocco, Mme. Helene Charvet, Mrs. Roosevelt, Yellow Colosse, La France, Papa Charmet, Beauty Lyonnaise, Marie Coller, Lucy Fevrier, Commandant Rivoire, Jeanne Charmet, Santa Cruz, Le Geant, Mme. F. Mollard, Louis Hariot, Souv. de Gustave Douzon, Ville de Lyon, Mme. Victor Vassier, Source de Feu.

The first prize for 12 blooms Decorative Dahlias went to Turner & Co. for the following: Mrs. Grimston, Gigantea, Jeanne Charmet, Souv. de Gustave Douzon, Marie Collet, Mammoth, Le Grand Monitor, Helene Charvet, Phenomenal, Le Geant, Lucy Fevrier, Yellow Colosse. There were eight entries in this class.

Pompons were well shown, with five entries, J. K. Alexander winning first with the following varieties: Snow Cloud, Sunny Daybreak, Pure Love, Madeline, Hilda Searl, Sunbeam, Ideal, Raphael Dot, Neatness, Rosebud, and Winnie Richards. Turner & Co. won first for 12 blooms single with Miss Thomas, Evelyn, Scarlet Century, Blush Century, Alice Stackpole, Gem, Jack, Gloria, Lady Helen, Imperiator, Opalescent, Sunray and Annie Keith.

Mrs. E. M. Gill of Medford made an artistic display of Dahlias and hardy plants.

Others receiving awards were: A. E. Johnson, E. W. Ela, Mrs. L. A. Towle, Joseph Thorpe, W. H. Gruff, G. H. Walker, Herman L. Wioter and Andrew W. Preston.

Honorable Mention was awarded to R. & J. Farquhar & Co. for Roses, Palms and Ferns; to G. B. Gill for seedling Cactus Dahlia Mrs. E. M. Gill; to R. & J. Farquhar & Co. for new Tuberous Begonia Alice Manning; to Thomas E. Proctor for display of Adiantum Farleyense; and to R. & J. Farquhar & Co. for seedling Phlox. A vote of thanks was awarded to R. & J. Farquhar & Co. for a display of Chinese plants, and a display of Peony-flowered Dahlias.

Stray Notes from Abroad

BY T. A. WESTON

Anent Sweet Peas

Touching upon the National Sweet Pea Show notes by our esteemed friend, S. B. Dicks, I may say that his remarks were all too brief. The new variety "Iris," is more than a pale salmon Spencer; it is truly the loveliest pink variety ever raised and, when once it is fixed, not a few pink varieties will have to give up business. The color is delicate salmon tinted buff, totally distinct from any yet raised. Flossy Jeffrey is a paler form of it; but neither are likely to be offered just yet. At the trials Iris only showed one true plant, actually about 5 per cent. true.

Earl Spencer is a true Henry Eckford Spencer; Dobbies have shown it in wonderful form this season, gaining an A. M. for it from the R. H. S. Dazzler is an improved St. George but I expect to see it ousted by the new Edna Unwin. Stirling Stent is another name for Henry Eckford Spencer and it has yet to be proved whether it is better than Earl Spencer. Sterling Stent, by the way, is generally understood to be a sport from a scarlet variety named Bob, sent out by H. J. Jones, Ltd. When visiting the latter firm's grounds, I was able to satisfy myself that Bob does throw Henry Eckford Spencer, some of the flowers being more waved than others.

Masterpiece, although approaching Mrs. Chas. Foster in color, is distinctly good, and shows less red than Asta Ohn, although the latter is winning favor over here.

Mrs. Hugh Dickson is a pale form of Mrs. Routzahn and, now that the latter is coming true, it will be a very strong rival.

My confrère, J. Harrison Dick, quotes some varieties that impressed him. Lavender George Herbert is not fixed, but on the show board it is great; Mrs. C. W. Breadmore is now acknowledged to be better than Evelyn Hemus; there is not room for the two. Mrs. Chas. Foster, as stated, is near Masterpiece but the latter starts with a reputation for fixity; Mrs. Chas. Foster has lost hers. Audrey Crier is still among the unfixables. The Marquis is now considered inferior to Tennant Spencer. I would also point out that the raiser of Chas. Foster is Robt. Bolton, not T. Bolton; the latter is quite another person.

With reference to the trials at Guildford it is pleasing to record that Burpee's stocks were much superior to those of former years. Mrs. Routzahn, Othello Spencer, Countess Spencer, Marie Corelli, and Helen Lewis were all true, while the other dozen were in very good condition excepting Miriam Beaver and W. T. Hutchins. I might add that Burpee & Co. have a real good thing in Mauve Spencer; it is quite a distinct and lovely thing but requires a little more working down.

I was intensely interested in Mr. Hutchin's paper on Sweet Peas and there is truth in his statement that English novelties are benefited by being grown one year in California. Tommy Jones, the finest amateur grower here, once told me that he had found that an English novelty did not do itself justice until it had one season in America, followed again by one season in England. That is to say, he reckoned to see a novelty at its best in the third year of its introduction. With regard to the growth of American seed over here it certainly cannot be said that we have the same trouble as apparently prevails on the Atlantic Coast. Burpee's stocks at the trials were as vigorous as any and, personally, I do not for one moment believe that the Spencer varieties are any more miffy on the average than the older sorts. To grow good Sweet Peas you have to do them well and, if the Atlantic Coast climate is too hot in the Summer, then growers must arrange to get their plants into flower earlier and hold an earlier show.

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

ADIANTUM Croweanum. Strong 4-in. pot plants, $15.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli and **Scottii,** 5-in. pot plants, $4.50 per doz., $35.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
PRIMULA Obconica Grandiflora, Pink, Red and White, 2½-in. pot plants, $2.50 per 100.
CELESTIAL or **CHRISTMAS PEPPER,** 4-in. pot plants, $10.00 per 100.
BULBS—HYACINTHS, 17 centimeters and up, best named varieties, double and single, $3.50 per 100, $32.00 per 1000.
HYACINTHS, 15 centimeters, fine bedding stock, colors separate, $2.25 per 100 $20.00 per 1000.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
CALLA Ethiopica. 1¼ to 1¾ in., $7.00 per 100; 1¾ to 2 in., $10.00 per 100.
Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Gigantea	3.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns and Decorative Plants

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2¼-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS

	Bench	Pots
BOSTON, 5 inch	$0.20	$0.25
BOSTON, 6 inch	.25	.30
WHITMANI, 5 inch	.25	.30
WHITMANI, 6 inch	.30	.35
7 inch and 8 inch stock	.50c. to 75c.	

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

ASSORTED FERNS

FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.
COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.
KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.
NEPHROLEPSIS Scottii, large plants, 7-in. pots; $1.00 each; 8-in., $1.25 each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

HYDRANGEAS—FERNS All Pot-Grown Stock, 500, 4-inch **HYDRANGEAS, for Easter,** good strong plants. **FERNS, Scholzeli,** 2-in., $6.00 per 100; 4-in., $25.00 per 100. **Scottii,** 2-in., $4.00 per 100; 4-in., $15.00 per 100; 6-in., $40.00 per 100; 10-in., $12.00 per doz. **ASPARAGUS Plumosus nanus,** 3-in., $5.00 per 100. Cash with order. Stock guaranteed.

WM. C. SMITH, 61st and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Boston Ferns

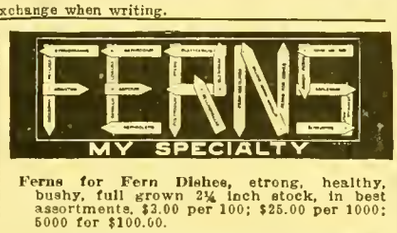
Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns

Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

Please mention the Exchange when writing.



Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $6.00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $66.00 per 100; 7 inch, $2.50 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $6.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

ORDERS BY TELEGRAPH

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants, or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

FERNS Ferns from Bench

Boston, Elegantissima, 3-in., 6c.; 4-in., 10c.; 5-in., 12c.; **Runners,** $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.; **Runners,** $15.00 per 1000.
Amerpohli, 3-in., 8c.; 4-in., 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.
Giant Snapdragons from field, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 30c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE ALYSSUM, 2-in., $2.00 per 100.
FLOWERING BEGONIAS, 2½-in., $2.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; **White, Pink, Red,** and **Yellow,** $22.50 per 1000.
SINGLE HOLLYHOCKS, Mixed Colors, $20.00 per 1000.
DIGITALIS GLOXINIÆFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
GIANT PANSIES, Bugnot, Cassier, Odier, etc., Mixed, guaranteed A1, $2.50 per 1000.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $26.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOS. P. CHRISTENSEN
Short Hills, N. J.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3-inch pots, $7.00; from 4-inch pots, $15.00; from 6-inch pots, $25.00 per 100.

PRIMULA obconica grandiflora and **Gigantea, Ronsdorfer** and **Lattman's Hybrids** well grown stock from 4-in. pots, $10.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

Seasonable Plants

CYCLAMEN, 3-inch, $7.00 per 100. **DRACAENA Indivisa,** 4-inch, $10.00 per 100; 2-inch, $2.00 per 100, $18.00 per 1000. **ASPARAGUS Sprengeri,** 2-inch, $1.50 per 100; 2½-inch, $2.50 per 100; 3-inch, extra strong, $4.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.
WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.
NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

THE AMERICAN CARNATION

Price $3.50

A. T. DE LA MARE PTG. & PUB CO., LTD

Retail Notes

WALTHAM, MASS.—Matthew F. Ruane of Waverly Oaks rd. has opened a model flower store at 121 Moody st.

NEWARK, O.—Kent Bros. have remodeled their florist store on Church st. It has been redecorated in green and white and presents a most attractive appearance.

SAN FRANCISCO, CAL.—Serveau Bros. have leased the store in the Rochat-Cordes Building on Post st. for a downtown florist store. They intend fitting up the store in first-class style and expect to be open for business by Oct. 15.

BENCH FERNS

No. 1 Stock—To Make Room

Scottii, extra fine, for 4-6 in., $12.00 per 100; 3-4 in., $6.00.
Boston, 3-4 in., 8c.; 5-6 in., 15c.; fine stock.
ASPARAGUS Sprengeri, extra heavy, 3-in., $2.50 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

FERNS

All Pot Grown

SCOTTII, 4-inch pots, $16.00 per 100; 6-inch pots, $40.00 per 100.
SCHOLZELI, 4-inch pots, $20.00 per 100.
TODEAOIDES, 4-in. pots, $16.00 per 100.
PANDANUS VEITCHII, 4-inch pots, $40.00 per 100; 6-in. pots, $9.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa

Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

5-in., 40c. and 50c.; 4-in., 16c.
ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.
COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN
Port Chester, N. Y.

Please mention the Exchange when writing.

Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, new stock ready.
Only 5000 **KENTIA Belmoreana** in 2¼-in. pots left.
Also a large stock of **BOSTON FERNS,** from bench, for 5, 6, 7-in. pots, ready for delivery.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE., JERSEY CITY, N. J.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 5 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By gardener and florist, single, 25 years of age; good grower; best references. Address I. E., care The Florists' Exchange.

SITUATION WANTED—By head gardener, Scotch; references. Address L., care of R. & J. Farquhar & Co., 6 So. Market st., Boston, Mass.

SITUATION WANTED—By experienced grower of Roses, Carnations, etc., as foreman on commercial or private place. American. Single. Address, I. D., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, single; A 1 man on all kinds of flowers and vegetables. Position expected as foreman. Address, I. F., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener with long experience and best of references. Private place preferred. Address J. H., 25 Montague place, Montclair, N. J.

SITUATION WANTED—In retail flower store by florist and gardener, 28, single sober, reliable and of good manners; some experience in that kind of work. Address, I. H., care The Florists' Exchange.

SITUATION WANTED—As head gardener or foreman; life experience. Single, aged 30, Englishman. First-class references. Private place preferred. Address H. O., care The Florists' Exchange.

SITUATION WANTED—By young man, honest, sober, hard working; 3 years' experience in greenhouses and nursery. Please state wages and particulars. Address, I. G., care The Florists' Exchange.

SITUATION WANTED—As grower of potted plants where high grade plants are wanted for first-class trade; well versed with all kinds of cut flowers. Advertiser is a thoroughly practical man and can take charge of any place. Address J. C., care The Florists' Exchange.

SITUATION WANTED—I can recommend a young man who is strictly temperate and reliable and has had 4 years' experience in growing Lilies, 'Mums, Carnations and all kinds of bedding plants. Position wanted on up-to-date commercial place. Please write stating wages and full particulars in first letter, to Geo. Charman, Florist, 425-427 Church st., Bethlehem, Pa.

SITUATION WANTED—By young man, American, strictly temperate and reliable; a number of years experience in Carnations, Roses, 'Mums and Violets, also bedding plants. Advertiser expects position on an up-to-date retail place where first-class stuff is grown; not less than 20,000 feet of glass. Good references can be furnished. Please state wages and full particulars in first letter. Address, F. C., care The Florists' Exchange.

HELP WANTED

WANTED—Man as bill clerk in a seed house, experience necessary. Address with reference, I. A., care The Florists' Exchange.

WANTED—Energetic young man familiar with filling seed and bulb orders. Apply stating experience and wages expected, I. J., care The Florists' Exchange.

WANTED—Man who understands Carnations or has had some experience. Must be temperate. State wages expected by the week. Address, F. B. Abrams, Blue Point, L. I.

WANTED—Man accustomed filling grass and agricultural seed orders. Also care of seed stock. Apply stating experience and salary expected, I. K., care The Florists' Exchange.

WANTED—A foreman and assistant gardener to grow bedding plants, etc. References required from last employer. Address Charles Krombach, 191-25th st., Brooklyn, N. Y.

Continued to next Column.

HELP WANTED

WANTED—Young man strictly sober, honest, energetic as assistant in designing, growing, waiting on trade. Wages, $5.00 per week, room, laundry, board paid at Hotel, increase $1.00 week a year. METCALFE, Florist, Hopkinsville, Ky.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. EDW. J. TAYLOR, Greens Farms, Conn.

STOCK FOR SALE

CARNATIONS

CARNATION PLANTS—Queen, $3.00 per 100. E. H. Frenking, 1200 Hamilton ave., Trenton, N. J.

CARNATIONS—Field grown, Lloyd, $5.00 per 100, $45.00 per 1000. Second size, $3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

FIELD GROWN CARNATION PLANTS
Harlowarden, first size, Lords and Queen Louise, second size, only $35.00 per 1000. F. B. Abrams, Blue Point, L. I.

EXTRA FINE CARNATION PLANTS
4000 Queen, $50.00 per 1000
4000 Lawson, $50.00 per 1000
Rowayton Greenhouses,
Rowayton, Conn.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

FIELD-GROWN CARNATIONS — Stocky, strong and clean. Extra fine plants: Mrs. T. W. Lawson, Striped Lawson, Red Lawson, $5.00 per 100; White Lawson and Enchantress, $6.00 per 100. M. M. Michael, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in this column.

MISCELLANEOUS

DRACAENA INDIVISA—Ready for 5-inch, $10.00 per 100. 2 years old, ready for 7 inch, $15.00 per 100. E. H. Frenking, 1200 Hamilton ave., Trenton, N. J.

FOR SALE—800 Bouvardia Plants, white and pink mixed, with a good ball of soil. A. L. Brown, 188 Davis ave., Kearney, N. J

FOR SALE—Kentia Palms, specimen plants, too large for my conservatory; look at them. You can have them for ½ price that was offered me last year. T. Kraft, 135 Johnson ave., Newark, N. J.

WANTED
I have 2000 'Mums and 3500 Carnation Plants and would like to correspond with some retailer wishing to take the cut for the season. Address A. E. Ryan, Cortland, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

BEGONIA.—Flowering, 15 varieties, fine plants, some kinds in bloom, $5.00 per 100; try them. 2000 Ferns, large bushy plants from benches or pots, Boston Scottii, Whitmani, Elegantissima, etc., 15-25-30-35 cents each. A special bargain. Alonzo J. Bryan, Washington, New Jersey.

PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. ASPARAGUS Plumosus, 3-in., $4.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

STOCKY STRONG PLANTS
Daisies, large flowering double, free bloomers, from selected strain of seed. Snowball (white), Longfellow (pink) $1.00 per 250, $3.00 per 1000; special prices on 2 to 5,000 lots.
Sweet William, $1.00 per 250; $3.00 per 1000. Wallflower, double, strong, $2.00 per 100.
R. Monaghan, Abington, Pa.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Strong full grown Phlox, $3.50 per 100. Boule de feu, bright red; Athis, pink; Jeanne d'Arc, white; Josephine Gerbeau, white, red eye; Eclaireur, red white markings.
Peonies, 3 to 5 eyes, fine varieties, $6.50 per 100.
Festiva Maxima, $10.00 per 100.
Sunnyfield Nursery Co.,
Poughkeepsie, N. Y.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FOR SALE OR EXCHANGE
Any part, several thousand best hardy white **Phlox, Mrs. Jenkins, Independence** and **Stella's Choice,** strong undivided, 1 yr. field roots, 75c. per doz., $5.00 per 100. Extra heavy 2 yr. clumps, $1.00 per doz., $7.00 per 100.
Want Phlox in exchange, particularly fine named Scarlet, but will consider any choice variety, not white. Samples exchanged.
Amon Heights Nurseries,
Merchantville, N. J.

STOCK WANTED

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FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

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Continued to next Column.

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1 Cottage Boiler as good as new.
400 feet 2 inch pipe.
A lot of 1½ inch pipe.
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Three large boilers (hot water) cash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

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One of the very best locations for building up a large wholesale trade. Population of 300,000 or more within a radius of nine miles. The New York and Boston markets are within easy reach. Shipping facilities are second to none. If you are a man of small means and have the ability for good work, this is your chance; the business is here and plenty of it. There is an unlimited field for the sale of Ferns and decorative plants; also a fine opening in connection with this business for nurserymen and landscape gardener.

There are 5¾ acres of land, six-room dwelling-house, barn, stable and shed, 1½-story office and storeroom, well, pumphouse and pump, and 6000 sq. ft. under glass beside coldframes. Stock consists of Carnations, Ferns, Hydrangeas, Chrysanthemums, Bedding plants, etc.

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BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

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GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

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Rochester, N. Y.

With a brisk demand for stock, business for the past week has been exceedingly good and, with present conditions prevailing, no one will complain. Asters have, for the first time this season, been in demand, and no trouble has been experienced in finding a market for anything that was of fairly good quality. Owing to the advanced season, however, Asters are not of first-class quality and are generally scarce; in some localities they must be quite over as the demands for shipping orders have been heavy. Gladioli have also met with quick sales, and if a frost does not come there will be a good market for this stock from now on. They are late in coming into flower this season and this applies to many other outdoor flowers.

Roses are moving in good shape. While there are plenty of pink sorts on the market, white seems to be an unknown quantity just at present, and it is almost impossible to obtain any at all, and many orders have to be refused. Carnations, as yet, are coming in slowly and Enchantress and white are snapped up immediately; reds and Lawson, however, are not in demand and move off slowly at $1 per 100.

Harrisii Lilies are also rather scarce and those that come in meet with ready sale. Green stock moves slowly as is usual at this season of the year.

The rains interfered to some extent with the sale of Asters for Saturday; if fine weather had prevailed everything would have been cleared up.

Flower Carnival

The executive committee in charge of the preliminary arrangements for the second Annual Flower Carnival, to be held Nov. 1 to 5, met on Sept. 21 to formulate plans for getting the work in hand so that immediate action can be taken. The following members were present: C. H. Vick, F. W. Vick, W. L. Keller, A. H. Salter, F. J. Keller, E. P. Wilson, George B. Hart, H. B. Stringer, Alling S. De Forrest, landscape architect.

Mr. De Forrest presented a preliminary drawing of the proposed floor plan which this year calls for the use of the entire building of Convention Hall; last year only the main building was used, and was found too small for, owing to the crowds, much difficulty was experienced in taking care of the people; in fact, the doors had to be locked on occasions and many were prevented from seeing the display. With the addition of the annex this difficulty will, it is thought, be overcome.

The balcony in the annex will be transposed into a Japanese tea garden on a very elaborate scale, similar treatment in Japanese effect will be used in the downstairs portion. The old or main building will be laid out as a garden, as heretofore, on an entirely different plan, the stage being made a prominent feature. What the general scheme of this will be has not been decided upon, but it will be entirely new and original and, no doubt, will be the center of interest and admiration as it was a year ago.

The 54th Regt. Band has been engaged to furnish music for the entire period of the show, playing each afternoon and evening. The music court will be situated in the center of the main hall. An orchestra will also be placed in the tea garden and it is intended to have special soloists on certain nights.

In consideration of the interest taken, and the enthusiasm shown by all members, it goes without saying that Rochester will have another but even more successful flower show than last year.

H. B. STRINGER.

Newport (R. I.) Hort. Society

A regular meeting of this Society was held on Tuesday evening, Sept. 27, with a good attendance. President James Robertson was in the chair. It was voted to approve of all the awards, general and special, as made by the judges; and a vote of thanks was passed to the judges for their services. The committee on the ball reported all bills paid, and a handsome balance to the good, which had been paid over to the Society's treasurer; this committee was also voted the thanks of the Society. Wm. Gray recommended the plan of having a silver cup awarded to the member scoring the highest number of points with stock shown at our bi-monthly meetings, and the matter was referred to the executive committee.

A large delegation of the members expects to visit the Rhode Island Horticultural Society's show in Providence on Thursday, among them being, besides President Robertson and Secretaries Coughlin and Meikle, Messrs. Colin Robertson, C. M. Bugholdt, John P. Hammond, John Urquhart, and Alex. MacLellan.

A. M. L.

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5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.46c. per ft.

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All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

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NATHAN R. GRAVES, 413-414 Hayward Bldg. **Rochester, N. Y.**

Please mention the Exchange when writing.

The S. A. F. Rochester Convention

In the first place let me congratulate you on your recent convention number. We have absolutely nothing of the kind on this side. Indeed, we have no conventions or meetings approaching the annual whip-up of the S. A. F. and O. H. This is distinctly an American institution, for while we have far more florists and nurserymen, compared with the population, we have no traders' society working on the lines of the S. A. F. All our shows and exhibitions are largely controlled by private influences and, although trade exhibits generally predominate, the shows are not trade affairs in the same sense as are those controlled by the S. A. F.

The latter's exhibitions and meetings appear to be largely conducted by the actual florist or grower. Over here the market grower and cut flower man does not pay the same heed to society work as does the general nurseryman. The latter caters purely for the amateur or private person, some again being wholesalers who cater for the nurseryman aforesaid. The cut flower man is another institution and very few of them can find time or inclination to interest themselves in shows or societies. They do not cater for the private individual, their business being simply to supply the markets with flowers, fruits or vegetables, according to the lines they specialize in.

The true florist, as we know him here, is the shop keeper who sells the produce of the grower. Very few florists, comparatively speaking, are actual growers, and fewer still have any practical knowledge of plants or flowers, except from an artistic point of view. These florists take little or no part in horticultural affairs, the only London florist of my acquaintance who does being Mr. R. F. Felton. This gentleman, however, is a host in himself. There is no other like him anywhere; although not a grower, he has a full knowledge of plants and it is this which enables him to set up such wonderful floral combinations.

Mr. Barnhart's remarks on page 373, relating to Luther Burbank and his inability to find time to read, ought to fit with a good many others. Over here we have plenty of growers who argue they have no time for reading, but I have always held that the man who refrains from keeping posted up to things must, of necessity end up either with a badly swelled head or in the workhouse.

The Gladiolus in England

On the same dates that the Rochester show was held our Shrewsbury Fête was in progress and if any American florists were present, I doubt not that they made a note of things. Our people are not all perfect at exhibiting, not by a long chalk, especially the hardy flower and Gladioli men. With regard to the latter I have never yet seen a really good exhibit of Gladioli, for the arrangement follows closely the system adopted in America, consequently the rear spikes are never seen to advantage. With regard to the flowers themselves I might mention that our specialists refuse to admit that American-raised Gladioli are of any merit from the true florist's point of view, and they also speak harshly of the German sorts.

Trade Gladioli specialists over here are not very numerous, but they are mighty particular, and to meet their requirements for show purposes the flowers have to be faultless in form. Only a limited number of the French varieties come up to their requirements but, nevertheless, it seems to be agreed that the French raisers produce a greater number of perfect Gladioli than any others. On the other hand, I do not doubt that your men look upon European varieties as second raters. The real explanation is probably this: Gladioli in America are florist's flowers; that is, they are valued from their cut flower values and, as long as they are healthy and bright in color, they meet every requirement. In England the Gladioli is not a big market line excepting Brenchleyensis. People will not pay a big price for even best quality spikes. In a word, Gladioli of the Summer type are not in great demand, and the very best quality will not make more than 25c. per dozen; often only half that price. First quality named varieties, or specially selected seedlings, cannot be produced cheaply, therefore the average market man leaves them alone, especially as he has to compete with Dutch blooms which often sell at 25c. for 72 spikes. The named varieties listed by our firms are grown by amateurs only, and to have a good collection one has to spend a considerable amount of money.

While on this subject I might mention that the R. H. S. recently gave an award of merit to a German variety named Europæa, the purest white variety ever exhibited in quantity; it was shown by Pfitzer of Stuttgart. Vilmorin & Co. of Paris also secured an A. M. for Safrano, an enormous yellow. The flowers were all beautifully frilled and possessed a bright carmine blotch in the throat; the spikes were carrying upward of 20 flowers and buds. Relating to white, I might add that G. Muir & Sons, the famous Scottish exhibitors, were showing a French variety named Triomphe de Caen, which, for size and form, was superior to Europæa; it was easily the best variety staged at Shrewsbury.

Staging Asters

I must find fault with the primness of the Aster exhibits as illustrated in the EXCHANGE.

One of our firms, "Bakers," of Wolverhampton, recently exhibited a collection of Asters, and it is a source of regret that I was unable to secure a photograph. About 50 varieties were shown, all types and colors, the arrangement being superb. Every bunch was set up cleanly, large pyramids of the Comet forms being staged at intervals, thus enabling everyone to see the decorativeness of the Aster. Various Ferns and foliage were used in the arrangement.

Relating to the paragraph about paper substitute for greenhouse glass, I may say we have had for some years a paper known as the Eureka Waterproof, made by Christiensen of Southall. Years ago I used it for frame lights, but I found it tended to draw seedlings somewhat. It is, however, used a good deal for sheltering Chrysanthemums and other such stock, and with care will last for several seasons. The same paper is now being fashioned into Rose protectors, being mounted upon wire frames. It is, of course, well known to you that all exhibitors of Roses, etc., use shades over the flowers prior to cutting.

Strawberry Forcing Again

Relating to the paragraph on Strawberry forcing: W. T. appears to take it for granted that all our best forcers practice unorthodox methods. That is not so, for the orthodox private grower adopts the system of staging, etc., but in these strenuous times the market grower has to reduce his expenses as much as possible. It must be understood that American conditions do not pertain over here. Prices are not what they used to be and the competition of Continental fruit compels the grower to play pretty sharp. Therefore, if a grower can produce good fruit without staging or worrying about runners, is it worth while spending time and money on stages, etc.?

Re Runners on fruiting plants: I may say that the grower alluded to once had as a visitor Mr. Geo. Bunyard, one of the greatest fruit experts of our time. When he suggested removal of the runners he was met with the query, "Could the plants produce better fruit and a heavier crop if such was done?" The reply was that the plants could not possibly produce a better crop. As W. T. suggests, everyone has their own opinion how to do things, and it was merely to record how some men work that I penned my note.

Respecting the period for forced fruit, W. T. would not find it a profitable venture over here to produce fruit in February and I may say that so long as our men can produce fruit prior to the outdoor crop they are sure of a price sufficient to pay, and I may say that we get no outdoor Strawberries until near the end of June. I might mention that an error crept in my previous note; the price per lb. was 6s., not 1s. 6d. as stated. T. A. WESTON, Eng.



Canterbury Bells

Editor The Florists' Exchange:

Last week we read Fritz Bahr's article on Canterbury Bells, which we considered very good—in fact, all of his writings are fine and right to the point—as we have been doing the same thing, growing these flowers for Easter and decorative purposes for a few years. As I had about 5000 plants on hand, I inserted an advertisement in your paper and have received a number of orders from different parts of the country. I thought I would call your attention to this matter, because it is a good thing and so little known, and also to advise you that Mr. Bahr's notes are O. K.

W. Mentor, O. CARL HAGENBURGER



Kochia Tricophylla

Grubs Feeding on Roses

Editor The Florists' Exchange:

I notice in the question box department in your issue of Sept. 24, a question regarding grubs feeding on Roses. I think T. W. Reed of Waco, Texas, is quite right in his statement that the white grub does feed on the Rose roots. Many complaints have been sent in to our College regarding the disastrous action of the grubs during the past Fall. Possibly the discussion has arisen through some confusion in regard to the insects themselves. The white grubs which have done the damage in the cases mentioned were the larvæ of the so-called June beetle, some one of the various species of Lachnosterna.

About the only remedy known for this insect is the composting of the soil during the Fall previous to the time when it is to be put into the benches, or Fall plowing, which throws the soil into ridges and allows the frost to kill the larvæ. It has been recommended that kerosene emulsion poured around the plants will kill the larvæ in the soil. This has been tried at the Agricultural College and found to be effective and without apparent injury to the plants.

Mass. Agric. Coll., Amherst. E. A. WHITE.

Editor The Florists' Exchange:

I noticed the statement of T. W. Reed, Waco, Texas, in your issue of Sept. 24, with regard to white grubs eating roots of American Beauty Roses; and also the original query in the issue of Aug. 20. I would say that a few years ago I had a batch of 10,000 Bride and Bridesmaid Roses, young stock, under glass, and lost over 200 during the Summer from white grubs eating at the roots; they nipped the roots off close to the main stock. A plant would wilt, and on looking at its base we would find white grubs doing the work. I also noticed in Eber Holmes' article on Roses, Sept. 17 issue, page 515, he writes: "If any grubs exist in the soil look for them and destroy them. The white grub, which is the larva of the so-called June bug is troublesome in some places. It has probably got in its work before this, but may still be at work. It eats off the roots, causing a fine healthy plant to wilt and die." I do not see why these conditions would not be the same with young American Beauty Roses outdoors, and think the white grub the cause of the trouble in the original query, page 314, issue of Aug. 20.

Greenport, L. I., N. Y. H. S. COURTNEY.

Some New Iris

Iris Loptec is a new hybrid, the result of a cross between Iris (Pogoniris) Cengialti Loppio and Iris (Evansia) tectorum, which has recently flowered for the first time. The interesting point about it is, that it resembles much more I. tectorum than I. Loppio, although the latter was the seed bearer. All the petals open out nearly horizontally; they are of the same dark purple color as I. Loppio, but there is no trace of the darker spots which are always found on the outer petals of I. tectorum. It has the beard of I. Loppio and the crest of I. tectorum; the beard of a yellowish brown, is at the end of the crest, which is whitish, spotted with purple. The leaves are characteristic of both parents, having the form and size of those of I. Loppio and the texture characteristic of I. tectorum.

The most important conclusion to be drawn from this hybrid, viewed historically, is, that the beard and the crest of the Iris are not a pair of Mendelian characteristics for, if they were, either the one or the other would have demonstrated that fact in hybrid, but they would not have combined in the same plant.

The same grower has another series of new hybrids, which flowered for the first time last June. These he named Iris acuticor, being the issue of Iris (Oncocyclus) acutiloba × Iris (Regelia) Korolkowi, the first as the seed bearer. The remarkable thing about this series is the increase in the number of flowers, due to I. Korolkowi. The I. acutiloba never has more than one flower on a stem, while the hybrid has two. The characteristic form of I. acutiloba has been transmitted, all the petals being pointed, and the sepals extending horizontally. The color is a silvery white, with pronounced brown veinings. Both of these varieties have proved entirely hardy and easier to grow than the pure Oncocyclus. They were originated by W. R. Dykes of Charterhouse, Godalming.

Another hybrid in which I. Korolkowi figures as a parent has been obtained by a French grower, and named I. Korolcyp, being the issue of I. Korolkowi × I. cypriana. The flowers are about 4 in. across, with spreading petals. The color is a sky-blue tinged with purple, the base of the petals is veined yellow and brown and the beard is yellow. They are borne in clusters of two or three on stems about 21 in. long. They appear in great profusion at the end of April or the beginning of May. This promising hybrid contradicts the statements which have been made by Iris growers, that it is difficult to obtain good results from crossing the two divisions Regelia and Pogoniris.—*Revue Horticole.*

Kochia Tricophylla, Standing Cypress or Belvedere

Our illustration is of a hedge of this easily grown annual, taken late in September, when the lively green of its early growth had changed to a beautiful reddish-purple. Well thinned out in the row, these plants furnish a decorative effect in the flower garden, and are also very useful as a screen to divide the vegetable from the flower garden. By Midsummer the plants attain a height of about 3 ft. and a spread of some 20 in. The effect shown in our illustration is so easily arrived at that we often wonder there is not more use made of this plant for the purpose here shown, that of a screen. Single specimens, also, produce very graceful effects.



International Floral Association

Morris H. Eldridge has been elected president and treasurer of this recently incorporated company, which has, as its object, the filling of telegraphic orders for flowers, designs, etc., between florists in this country and in Europe, and $10,000 of the capital stock has been paid up and deposited to its credit.

Detroit's New Retail Firm

Some fifteen years ago a little newsboy applied to genial Phil. Breitmeyer for a job as delivery boy, and after being given the job applied himself to it very industriously. His thorough acquaintance with the city was of great value especially during holidays, and many times he gave directions to a runner not only describing the location but also the detailed appearance of the place where delivery had to be made. Such was the beginning of John



John Klang **Wm. Rockelman**

Klang. Advancing with the phenomenal growth of the city, he went through all the various stages of training, until now as a full-grown man he has mustered up courage to start for himself. With him will be associated his friend Rockelman, who enjoys a large acquaintance among auto and yachting men, and is highly esteemed in fraternal circles. The firm will open a store at Forest and Chene sts. Detroit florists wish the new competitors lasting success. FRANK DANZER.

Another Recipe for Pot Pourri

Dry La France and any of the sweet-scented dark Rose leaves, in small quantities, on some sheets of white or plain paper (not newspaper) well spread out and the leaves separated, frequently tossing and turning the leaves. When a certain amount are dry, they can be put together until enough perfectly dry petals are collected to fill a fair-sized bowl, care taken to see no insect eggs are left in. Add about a quarter the amount (breakfast-cupful) Lavender buds and a few dry Lemon Verbena leaves. Mix a quarter of the following essences most thoroughly, and put all into a covered jar. At the end of a week turn out, and, if liked, add a little more essence. Cover up again. It is better to add a little essence following year. I do not put bay salt in unless leaves are too dry and crackly, then a little sifted on and well stirred in is good. In a year's time this mixture becomes blended, and is most exquisite, and never loses its perfume. Essence, to be bought at chemist's: 2 drachms oil of Lavender, 2 drachms essence Bergamot, 1 drachm essence ambergris, 1 drachm oil of Cassia, 1 drachm oil of Cloves, 6 drops attar of Roses, 4 grains Musk. Cost of this mixture will be about 4s. 6d.; it is sufficient for four bowls full of leaves (size, 15 in. across, 7 in. deep).—*Gardening Illustrated.*

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

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The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

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Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Estab. 1877 — **Leading Florist**
AMSTERDAM, N. Y.
SCHENECTADY, N. Y.

Atlanta Floral Co — **ATLANTA, GEORGIA**
41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.**
124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.**
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Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

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"Penn the Telegraph Florist."

Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — **BOSTON, MASS.**
No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

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TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

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Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

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W. J. PALMER & SON
304 MAIN STREET
Members Florists' Telegraph Association

Friedman Flowers — **CHICAGO ILL.**
185 Michigan Avenue
Courtesies extended to all Florists

JULIUS BAER,
CINCINNATI, O.
Fourth St.



Centerpiece for Table
Pandanus Veitchii with Echeveria

Frank T. Crumb — **COLORADO SPRINGS, COLO.**
Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

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Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnewaska	Oct. 1	9.30 am.	W. 16th St., N.Y.	London
St. Louis	" 1	10.00 am	W. 23rd St., N.Y.	Southampton
Baltic	" 1	10.00 am.	W. 21st St., N.Y.	Liverpool
Caronia	" 1	10 00 am.	W. 14th St., N.Y.	Liverpool
K. Aug. Victoria	" 1	10.00 am.	1st St., Hoboken	Hamburg
Koenigin Luise	" 1	11.00 am.	3rd St., Hoboken	Glb-Nap-Geno.
Vaderland	" 1	11.00 am.	W. 18th St., N.Y.	Antwerp
D'a D' Abr'zzi	" 1	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Atlanta	" 1	1.00 pm.	Bush Dks. Bklyn	Naples-Tri'ste
California	" 1	3.00 pm.	W. 24th St., N.Y.	Glasgow
Chicago	" 1	3.00 pm.	N. Y.	Havre
Floride	" 1	3.00 pm.	N. Y.	Havre
Germania	" 3		31st St., Bklyn	Naples
New Amst'rdam	" 4	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 5	10.00 am.	W. 14th St., N. Y.	Liverpool
Pennsylvania	" 5	11.00 am.	1st St., Hoboken	Hamburg
Oceania	" 5	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
Oceanic	" 5	3.00 pm.	W. 21st St., N. Y.	Southampton
La Provence	" 6	10.00 am.	W. 15th St., N. Y.	Havre
Deutschland	" 8	9.00 am.	1st St., Hoboken	Hamburg
Minneapolis	" 8	9.30 am.	W. 16th St., N. Y.	London
New York	" 8	10.00 am.	W. 23rd St., N.Y.	Southampton
Furnessia	" 8	10.00 am.	W. 24th St., N.Y.	Glasgow
Lapland	" 8	11.00 am.	W. 18th St., N.Y.	Antwerp
Berlin	" 8	11.00 am.	3rd St., Hoboken	Glb-Nap-Geno
Celtic	" 8	12.00 m.	W. 21st St., N.Y.	Liverpool
Carpathia	" 8	12.00 m.	W. 14th St., N. Y.	Glb-Geno-Nap-Trieste-Fiume
Sant' Anna	" 8		31st St., Bklyn	Naples
San Giorgio	" 8		Pier 22, Bklyn	Naples-Genoa
Perugia	" 8		Union Strs. Bkln.	Naples
Noordam	" 11	10.00 am.	5th St., Hoboken	Rotterdam
Mauretania	" 12	9 00 am.	W. 14th St., N.Y.	Liverpool
Bleucher	" 12	12.00 m.	1st St., Hoboken	Hamburg
Alice	" 12	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Majestic	" 12	3.00 pm.	W. 21st St., N.Y.	Southamptoo
Manuel Calvo	" 12		Pier 8 East River	Cadiz Barcel'a Genoa-Naples
La Savoie	" 13	10.00 am.	W. 15th St., N.Y.	Havre
Oscar II	" 13	2.00 pm.	17th St. Hoboken	Copenhagen
Campania	" 13		Pier 38, Bklyn	Rotterdam
From Boston				
Romania	Oct. 1	9.00 am.	B & M Dks. Char	Azores-Gib Napls-Geno
Cymric	" 4	11.00 am.	B& M Dks, Char	Liverpool
Cambrian	" 7		B & M Dks. Char	London
Cambrian	" 11			London
Bohemian	" 12		B&A Dks, E. Bos.	Liverpool
Numidian	" 14	6.00 am.	Mystic Whf Char	Glasgow
Sanoio	" 15		Clyde St., E. Bos	Naples-Genoa
Philadelphia				
Haverford	Oct. 1	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 1		24 No. Wharves	Glasgow
Manitou	" 14	10.00 am.	55 So. Wharves	Antwerp
Merion	" 15	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 15		24 No. Wharves	Glasgow
San Francisco				
Chiyo Maru	Oct. 4	1.00 pm.	1st Street	Honolulu
Asia	" 11	1.00 pm.	1st Street	Japan
Mongolia	" 25	1.00 pm.	1st Street	China

THE PARK FLORAL CO. — **DENVER, COLORADO**
1706 BROADWAY
J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express

John Breitmeyer's Sons — **DETROIT, MICH.**
Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — **INDIANAPOLIS, IND.**
241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — **KANSAS CITY, MO.**
913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — **LOUISVILLE, KY.**
550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA**
825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors

J. N. Champion & Co — **NEW HAVEN, CONN.**
1026 Chapel Street
Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF **NEW YORK CITY**
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Meyer — **NEW YORK**
609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

A. T. Bunyard FLORAL CO. — **NEW YORK**
413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — **NEW YORK**
42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — **NEW YORK**
571 Fifth Avenue

J. B. Keller Sons — **ROCHESTER, N. Y.**
25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.**
122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.**
20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see page 608

HORTICULTURAL EXPOSITION GROUNDS IN PARIS.—The French National Society of Horticulture has just closed a contract with the city of Paris for the rental of a plot of ground for its expositions, for a period of 15 years, at 1000 francs ($200) per year, and 3% of its net receipts from its expositions. The Society will lay out gardens on this plot, which are to be free to the public in the intervals between the expositions, and also play grounds.—*Revue Horticole.*

Reliable Supplies for both Wholesale and Retail Florists

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WEDDING DECORATIONS?

These are the lustrous, rich toned, cleanly woven Ribbons of THE PINE TREE BRAND, sold

Direct from the Mill to You

Pine Tree Ribbons are made in Florist shades, the right widths and at lowest prices.

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The Pine Tree Silk Mills Co.

Philadelphia, Pa.

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office: New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,

All Decorating Material in Season.

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REED & KELLER 122 W. 25th Street NEW YORK

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Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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167 Lake treet, KENDALLVILLE, IND.

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For full particulars address

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EVERGREEN, ALA.

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Natural and perpetuated. Orders booked now for future delivery

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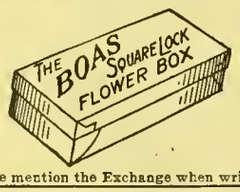

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Please mention the Exchange when writing.

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Wholesale Commission Florists

Dealers in Fancy Ferns

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The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

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Price $3.50 Send for Sample Pages

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WE ARE THE LARGEST IMPORTERS IN THE UNITED STATES OF

CAPE FLOWERS

of choicest qualities, and are enabled to supply large and small sizes in any quantity. Florists will find it to their advantage to anticipate their wants for the coming Fall and Winter, by placing their orders with us early. Samples cheerfully sent upon application.

Prices 35c. to 60c. per pound

CHAS. W. JACOB & ALLISON, 18 Cedar Street, New York

IMPORTERS OF CAPE FLOWERS, RAFFIA, BARK CLOTH, ETC.

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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

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WE MANUFACTURE

ICE BOXES

The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

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We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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56 Pine Street, NEW YORK

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CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Dahlia Fields at Hammonton, N. J.

The rapidly growing town of Hammonton, with a present population of about 5000, is situated about 30 miles from Philadelphia, and the same distance from Atlantic City. The West Jersey & Seashore branch of the Pennsylvania R. R., and the Atlantic City branch of the Philadelphia & Reading R. R. have stations at Hammonton and give the town good service. The town is well provided with good schools, and the roads are in fine condition. Hammonton Lake, a body of water more than a mile long affords excellent bass and pickerel fishing, and also good boating. The land is level, and the soil a sandy loam, entirely free from stones, and easily tilled.

The six Dahlia growers of Hammonton recently formed an association with Wm. F. Bassett, the venerable Dahlia grower, as president, C. A. Wood vice-president, and Edward H. White secretary.

J. Murray Bassett

J. Murray Bassett, to whom the representative of the EXCHANGE is greatly indebted for a drive to several of the Dahlia farms, and for other courtesies and much usefnl information, has a field of three acres of Dahlias near his residence on Packard st., and a still larger field, of seven acres, a half mile away, a part of a recent ten acre purchase. Mr. Bassett was born and brought up in the Dahlia business, and is thoroughly conversant with every part of the work. He propagates both by divisions and cuttings, and carries a large list of the old, tried varieties of Dahlias, and of the newer introductions. He is a large shipper of Dahlia roots, issuing an annual catalog of same, and also of cut blooms. The Leo Niessen Co. of Philadelphia, Pa., handles the cut stock.

Walking through Mr. Bassett's ten acres of Dahlias now in bloom the attention of the writer was attracted to Sylvia, a decorative Dahlia, of large size, of soft pink color, from 1200 plants of which 15,000 blooms were cut last season. F. L. Bassett is a bright royal purple, an excellent dwarf bedder, blooming from early to late. Jack Rose, a comparatively new introduction of many sterling qualities was seen, and also Delice, said to be the best decorative Dahlia in cultivation, a glowing rose pink with well-shaped flowers, and long, stiff stems. Leaving the decorative class with just a mention of Souvenir de Gustave Douzon, with its mammoth rich red blooms, there was noted among the double seedlings a beautiful deep scarlet, with blooms of good size borne on long, stiff stems, now known as No. 83, and also an unnamed bronze yellow.

The Cactus Dahlias are well represented by many varieties, among which was observed the well-known Kriemhilde, perhaps, everything considered, the most beautiful of its class. The large block of this variety showed a perfect sea of buds, but was blooming a little late this season. Cockatoo, a lemon-yellow shaded with rose, with center petals pure white, is very attractive, as also is Country Girl, which, like the country girl herself, has many meritorious qualities. Parzival, a creamy early flowering white is also a beautiful Dahlia. Passing from the Cactus class, and taking just a few minutes to glance at the elegant Show Dahlias, looking so prim and stately, and built with such regularity that they remind one, perhaps, a little too much of houses in blocks all built alike, the visitor notes the old standby, A. D. Livoni, Frank Smith, one of the oldest and best, and Black Diamond, dark enough in color to belong to the "Black Belt" of the South.

To Single Dahlias Mr. Bassett gives more attention than all the other Hammonton growers, devoting to these between one and two acres, where he has many varieties of great beauty. Here is seen Cardinal, the best single red, and Rose Pink Century, much superior to Pink Century, and Fringed Beauty, really a fringed Century. Many promising seedlings also are being tried out here. Sensation, a vivid vermilion heavily tipped white is remarkably fine.

Mr. Bassett grows about 40,000 roots of Dahlias yearly. He also grows, to a considerable extent, herbaceous perennials, and shrubs, and is a collector and shipper of the native Kalmia latifolia.

William F. Bassett

William F. Bassett's Dahlia farm of seven acres is only a few hundred yards away from that of his son, J. Murray Bassett. It was a great pleasure to the EXCHANGE representative to shake hands with this hale old man, who only last July, at the age of 85 years, passed over his business to his son, George W. Bassett, the present proprietor, whom the representative met just as he was starting for the show of the Pennsylvania Horticultural Society at Philadelphia. Attention at this farm is given both to growing roots, 40,000 in number, for sale, and also cut flowers, which are shipped to Philadelphia to the S. S. Pennock-Meehan Co. The trial grounds are given much attention and are very interesting.

Among the many attractive varieties seen at this farm may be mentioned the Decorative Dahlias Mlle. Helene Charvet, a very large white, and Jeanne Charmet, a splendid cut flower variety, a violet rose on a lighter ground color.

In the Cactus class is seen Perlehilde, a pearly white sport from the popular Kriemhilde, brought out by William F. Bassett, and Master Carl, a large bloom of bright amber color. Of the Show Dahlias were noted Aurora, with large blooms, of orange color tipped with scarlet, and the old A. D. Livoni.

Wood & Healy

C. A. Wood, vice-president of the Hammonton Dahlia Growers' Association, was found with his men in Wood & Healy's five acres of Dahlias, harvesting the blooms, and considering, while at this work, the advisability of putting in an irrigating plant this Autumn, so as to be ready for any drought hereafter. Wood & Healy grow Dahlias primarily for cut flowers, and ship the cut to Philadelphia, to the S. S. Pennock-Meehan Co., but they sell surplus roots as well. They are trying out Reliable, a new variety from Ohio, of the A. D. Livoai type, but of a deeper pink color. About two years ago, they found in their field a dwarf Lyndhurst growing about 2 ft. 2½in. high, with stems about 4 in. long, but otherwise like Lyndhurst, though even more floriferous. This should be a first-class bedding Dahlia. Two acres of Lyndhurst alone, one of the best reds, are grown, and about the same acreage of White Swan. Twenty-four hundred plants of the Cactus Dahlia Kriemhilde grown here are blooming late on account of the drought. Other varieties grown at this farm are Katherine Duer, Nymphæa and Storm King. Mrs. H. J. Jones, a Cactus variety, a red tipped white, is being tried out.

Wood & Healy are successful Peach growers also, and of outdoor Lily of the Valley, for the shipping of clumps.

Watkis & Nicholson

Watkis & Nicholson are proprietors of the Lake View Greenhouses, so called because their farm borders on Lake Hammonton. In greenhouse plants and flowers they do a local trade. The members of the firm live on the farm, not far from the Lake, in the second house built in Hammonton, and still in a good state of preservation. This firm represents both New York and Philadelphia, as Mr. Watkis was born and brought up in 34th st., New York, and Mr. Nicholson in Philadelphia. They have been in the Dahlia business some 10 to 12 years. They are growing chiefly for a cut flower crop, but sell some roots. They ship their cut flowers to Philadelphia, to the Leo Niessen Co. They grow the following varieties: Delice, Jack Rose, Lyndhurst, Henry Patrick, and C. W. Brnton in the Decorative class; Alba superba, a single white, is also seen. In the Cactus class they grow Night, a dark crimson, Countess of Lonsdale, a salmon pink, and Prince of Yellows, a rich canary yellow.

This firm are using six acres of land for the growing of Dahlias, and are adding to their greenhouse range.

Hugo Kind

Hugo Kind has been growing Dahlias at Hammonton about five years only, but he is already using ten acres for that purpose. He grows about 50,000 roots, principally for flowers which he ships to Philadelphia, to The Leo Niessen Co. Mr. Kind confines his Dahlia list to a limited number of varieties, which he grows carefully. He makes a specialty of disbudding the variety A. D. Livoni, which in this way he grows to perfection; and he grows in the same manner the white Cactus Dahlia Flora. Mr. Kind grows also about 10,000 roots of Red Hussar.

Edward H. White

Edward H. White has been growing Dahlias here about two years; and has now three acres of good plants. He grows Lyndhurst, Katherine Duer, Kriemhilde, and several other varieties. He is growing for blooms, and ships to Philadelphia, to the S. S. Pennock-Meehan Co.

All of the Dahlia growers at Hammonton are now beginning to cut very heavily, and the recent rain helped the outlook very much. If the frost should hold off until October 10-15, with one or two good rains in the meantime, the Dahlia season, from a cut flower standpoint, and probably as regards root growing will be a very successful one.

There is a rumor in the air of a Dahlia show at Hammonton this Autumn, and, no doubt, with so many growers within so limited a distance a very attractive display could be made.



A Dahlia Field of J. Murray Bassett at Hammonton, N. J.

Soil for Orchids

Orchids rarely succeed for any length of time when potted annually or every alternate year unless the old material is picked from among their roots. There are exceptions to this rule, but the varieties that succeed are those which are inclined to throw out stem roots and live from the moisture of the atmosphere rather than from the material in which they are potted. Although these plants will flourish under such conditions with their lower roots black and dead, they grow with still greater luxuriance with these roots, healthy and in full possession of the material in which they are potted.

If we take two most adapted for the amateur—namely, Dendrobium nobile and Cypripedium insigne, the former will grow luxuriantly while the compost remains fresh, watering and other treatment being satisfactory, but when decomposed the pseudo-bulbs gradually decrease in size. The Cypripedium will live in the same pot for many years, forming a hard mass of roots, the soil in which they were once growing being washed away. It is evident this good old plant would live if the roots were laid among charcoal or crocks and syringed and watered frequently. But what would be its condition in comparison with plants provided periodically with fresh suitable material to root in? The former would be starved and puny in appearance by the side of the latter, these having large dark bold foliage and gigantic flowers, frequently two upon one spike. Many Orchids when brought into an unsatisfactory state through sour soil are often worse to recruit than newly imported plants. They may only be a little in advance of these by having a few living roots made with the last break or two. Plants of this description seldom make back breaks when the whole of the roots attached to the old pseudo-bulbs are dead, and even if they do the growths are so weak that they may be years before they attain a flowering size.

Peat used for these plants in lumps decomposes much sooner than the fibre with the soil shaken out. The latter is decidedly preferable for all Orchids that require abundance of water while in active growth, and should be used by all whose experience is limited in the culture of these plants. In potting those varieties that cling tenaciously to the sides of the pots it is much better to break the pots than attempt to turn the plants out and injure the roots in doing so. When broken the portions of the pot attached to the roots can be left clinging to them, and worked in when potting among the new material.

Cattleyas when potted with good peat in lumps may not need the material removed from their roots so frequently as many others. These plants require much less water at the roots than many Orchids, and during their resting period, which should be rather a lengthened one, they need very little, and the potting material in consequence remains in a wholesome state for a long time. Special care must be taken in selecting peat for these plants. It should be of such a nature as to last as long as possible, for they do not like being disturbed too often.—*Journal of Horticulture.*

A. L. YOUNG & CO.
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.



NEW YORK, Sept. 28.—There is today hardly any perceptible change in the cut flower market from the conditions of one week ago. It is doubtful, everything taken into consideration, whether the conditions have at all improved. It is difficult to assign causes, but it seems to be the general consensus of opinion that the continued warm weather is largely responsible for present conditions.

American Beauty Roses today are overplentiful, and it is hard to maintain the prices of Monday. Some specials in small sales realize 25c. each, but more sales are on a 15c. each basis, and some are changing hands at even a lower figure. The quality of the stock is all right, but an abundant supply and a very moderate demand enables buyers to pound down the price. The supply of all other Roses is plentiful. The higher grades meet with a fair demand, but the lower grades are sold largely at sacrifice prices. The top price for the best blooms of Killarney, My Maryland, Kaiserin, Richmond, Bride and Bridesmaid is 5c. each; this means the choicest blooms only. The poorest grade of blooms realize no more than 50c. per 100.

The supply of Carnations is steadily increasing, and the quality shows great improvement. The demand cleans up the supply, but while at the first of the week $3 per 100 was obtained for some choice blooms, $2 is the price today for the best flowers in most sales, and anything above that price is exceptional.

The supply of Orchids, especially Cattleyas, is exceedingly plentiful, far in excess of the very small demand. The tendency is decidedly toward a falling price; 50c. each is the top price for the best Cattleyas. As regards Orchids today, it is a buyer's market. There are Gardenias enough to easily meet all requirements; the choicest blooms bring no more than $2.50 per dozen, and some blooms, even of fair quality, change hands at $4 per 100. The Lily supply is a little larger but the demand is not brisk, consequently the prices have fallen to $7 to $8 per 100. Larger arrivals are expected in a few days, and unless there is a sharp advance in the demand even lower prices may be expected. Lily of the Valley is abundant, and movement is sluggish; while some fancy stock realizes $3 per 100, this figure is exceptional; $2 per 100 is the figure in most sales.

The arrival of Dahlias is large, but the quality does not seem to improve. Many sales are, of course, effected, for this is the Dahlia season, but prices are weak; $2 per 100 is the price for the best and from that down to 50c. per 100 for the inferior blooms.

A moderate supply of 'Mums is coming in, and for so early the quality is very good, especially of Monrovia and Marquis de Montmart, but they move sluggishly and the very choicest blooms go slowly at $2.50 per dozen. Some Violets are arriving from Rhinebeck, N. Y., but they meet with small favor from the buyers at present, and after a few sales the rest go to the bad.

The demand for greens remains about the same, and is easily satisfied from the abundant supply. Asparagus plumosus is the favorite green now. The prices for the best of each are as follows: Asparagus 20c. per bunch, Smilax $1.25 per dozen strings, Adiantum 50c. per 100.

PHILADELPHIA, Sept. 26.—Saturday night found the market more completely sold out of all kinds of stock than any Saturday night since the dull Summer season began, and, what is better still, with little or no weakening in price. In fact, the market closed with firm prices, and not enough stock of some kinds to go around; for instance, a shortage in Dahlias developed by Saturday noon. Today the market is by no means dull, but it is not up to the expectations born of Saturday's experience. It exemplifies well the spasmodic condition of the cut flower market just as it is entering upon the new season. Nevertheless, today prices are a little higher and firmer on almost all stock.

There is a good supply of American Beauty Roses, but the demand easily takes them all; specials are firm at 25c. each, and even the lowest grade blooms are changing hands at about 6c. each. There is a plentiful supply of all other Roses, and all are selling well enough to keep the prices firm. The very choicest blooms of Killarney, both pink and white, Mrs. Jardine and My Maryland are bringing 8c. each, and Richmond, Bride and Bridesmaid, Kaiserin and Perle 6c. each. The lowest grade blooms of all these are selling for about 2c. each. White Roses just now are more abundant, and do not clean up so easily as pink sorts; white Killarney has so far improved that it has a preference with buyers over Kaiserin.

The supply of Carnations is steadily increasing, and they find a ready sale, only the very poorest blooms begging for a buyer. The supply of white varieties is not sufficient to meet the present demand, and the prices of sorts of that color rule higher than of any other. The best whites are selling today for $3 and the best blooms of other colors easily realize $2 to $2.50.

The Orchid supply, mostly Cattleyas, with a few Dendrobiums and some scatterings of other varieties, is more abundant, the color better, and there is a demand strong enough to send the price up to 75c. each for the very choicest Cattleyas, and to 50c. each for Dendrobiums of a like grade. The demand for Gardenias keeps equal pace with the increased supply and improving quality. The choicest blooms are realizing $2.50 per dozen. There is a moderate supply of Lilies which the demand uses nicely at 15c. each for the choicest blooms. Lily of the Valley is fairly abundant, and shares with the other flowers the slight buoyancy of the market, so that the highest grade of blooms sells for as high as $4 per 100, and the lowest at $2 per 100.

To Golden Glow 'Mums have been added now Monrovia, Montmarte, and October Frost. The supply is not large, neither is the demand over brisk; $3 per dozen is top price for the choicest blooms; probably $2 per dozen is the prevailing price.

Further comments on Asters and Gladioli may be deferred till the Summer of 1911. The showy Dahlias are here in an increasing supply, and the sales are very large. In fact, the Dahlia just now is Queen, and quite overshadows the few modest single Violets which have appeared in the market. The best Dahlias, and there are some good blooms arriving, are bringing $3 per 100.

The greens, too, which have been moving so sluggishly for so long a time, feel the general uplift of the market, and are moving more freely and at somewhat better prices.

BOSTON, Sept. 27.—The market this week has been satisfactory, both to retailers and wholesalers.

Roses are very plentiful and some of the growers are shipping large quantities of their early crop, many of arrivals remarkably healthy and free from mildew. American Beauty is much better in quality than a few weeks ago, longer stems, good foliage, and flowers of larger size; there is quite a good demand for them at good prices. Killarney, both pink and white, are more abundant than any of the other varieties and each week sees them improving in quality. Kaiserin is abundant and a great favorite. The Rose Mrs. Aaron Ward is grown by several growers this season and is quite common now in the retail stores. There are one or two growers who are shipping Bride and Bridesmaid, but there isn't much demand for them. Prices on Roses vary very much; to realize the high prices one must have good quality. Carnations are surprisingly plentiful this week. While last week there were only a few around, there are now quantities of good stock to be seen. If many more are pushed on to the market it is feared there will be a large surplus, as the demand is not wholly on for large quantities yet. The flowers are surprisingly good for this early date and nearly all varieties are to be seen now. Prices range from $1 to $3 per 100.

Asters are not plentiful, and such as are available are of poor quality; prices run from 50c. to $1.50 per 100.

Chrysanthemums are becoming more plentiful and the quality is good; they bring $1.25 to $2 per doz. Gladioli are quite scarce now, and direct shipments come to the retailers from the growers. Lilies are scarce. Lily of the Valley is in good demand, and prices change but little on this commodity. Orchids are more plentiful; Oncidium varicosum Rogersii is becoming quite conspicuous in the retail stores, and Cattleya Bowringiana is also plentiful.

Asparagus Sprengeri is quite plentiful and of good quality. There are quite a number of miscellaneous flowers to be seen, Ageratum, Candytuft, Tuberoses and several others. R. C.

CHICAGO, Sept. 27.—At the present writing the market has taken on a very active appearance. Owing to the cold weather and the successive dark and rainy days, stock has shortened up considerably and there is just about enough stock arriving to meet the demand. Even with the reported shortage prices quoted for the shipping trade remain about the same as last week.

Carnations are practically the only flowers moving up a little; while the fancy grades are bringing no more than 3c., there are more selling this week at 2c. where a week ago only a cent was obtainable. The preference is for Enchantress, both pink and white.

American Beauty Roses are improving, and are coming in with stems 4 ft. and 5 ft. long, although $3 per dozen is all they command. Pink and white Killarney are also in good form and favorites. Other Roses are moving on account of the shortage of other stock.

Gladioli, while not all gone, are fast approaching the end; prices on what good stock is to be had are advanced slightly. Of Asters nothing remains to be said, only to bid them farewell. Lilium auratum is off the market, and Harrisii and longiflorum are very scarce; many more would be used if they could be had.

Chrysanthemums are arriving more plentifully and are exceptionally fine for this time of the year; although of excellent quality the prices are fully 25 per cent. lower than at this season last year. Violets are seen in the past few days, but there is plenty of room for improvement in the quality. California Violets are in the market and while the size is very small the fragrance is there. Double Violets are bringing from 75c. to $1 per 100. Dahlias and Tuberoses are still to be had and are used more than formerly. There is a cry that there have been no fancy Dahlias.

Orchids in several varieties are available, Cattleyas arriving in extra fine condition. The color is grand. Mexican Ivy has arrived, and moves at $1 per 100 sprays. There is plenty of stock in Asparagus Sprengeri, Ferns, Adiantum, Wild Smilax and Galax.

ST. LOUIS, Sept. 26—The cut flower season is expected to open this week, and it seems to be the general opinion that this will be an exceptionally good season in the flower business; but we must have lower temperatures in order to stimulate the business into steadiness. There has been a fair demand for stock of all kinds in season, and will be from now on, as several Fall weddings are on for next week, when marked improvement should begin. All our growers say they are in shape for the Winter and that the young plants of Carnations, Violets and Chrysanthemums are in fine condition to produce a big crop for the season. The commission men are receiving some good quality of cut stock daily, and they say the demand has been much better than they expected this early in the season.

Roses are selling at from $2 to $6 per 100, and long American Beauty, $3 per doz.; these are quite plentiful all over. Carnations are not any too plentiful, and sell at $2 for choice and $1 to $1.50 per 100 for next grades. Asters are becoming scarce and are almost over for the season. Dahlias are now coming in heavily at from $1 to $3 per 100. Gladioli and Tuberoses are still in plenty at $3 per 100. All greens sell well and plenty of everything is in the market. ST. PATRICK.

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Wholesale Prices of Cut Flowers, New York, Oct. 1, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—			
A. Beauty fancy—special	12.00	to	25.00
" extra	8.00	to	10.00
" No. 1	4.00	to	6.00
" No. 2	2.00	to	4.00
" No. 3	.50	to	1.00
Killarney	.50	to	5.00
White Killarney	.50	to	5.00
My Maryland	.50	to	5.00
Richmond	.50	to	5.00
Mme. Abel Chatenay	....	to	....
Kaiserin	.25	to	5.00
Golden Gate	....	to	....
Bride, Maid, fancy—spec.	....	to	....
" extra	2.00	to	5.00
" No. 1	1.00	to	2.00
" No. 2	.50	to	1.00
Adiantum	....	to	.50
Croweanum	....	to	.75
Antirrhinum (per bunch)	....	to	....
Asparagus, cut stringa	.25	to	.40
Plumosus, bunches	.15	to	.20
Sprengeri, bunches	.15	to	.20
Asters	.20	to	2.00
Bouvardia	....	to	....
Callas	....	to	....
Chrysanthemums, per doz.	1.50	to	2.50
Dahlias	.50	to	2.00
Ferns, per 1000	1.50	to	2.00

CARNATIONS—			
Inferior grades, all colors	....	to	1.00
Standard Varieties: White	1.00	to	2.00
Standard Varieties: Pinks	1.00	to	2.00
Standard Varieties: Red	1.00	to	2.00
Standard Varieties: Yel. & Var.	1.00	to	2.00
Fancy (The highest grades of Sta'd varieties): White	....	to	....
*Fancy: Pinks	....	to	....
*Fancy: Red	....	to	....
*Fancy: Yel. & Var.	....	to	....
Novelties	....	to	....
Gardenias, per doz.	.50	to	2.50
Gladioli	....	to	....
Hydrangea	....	to	1.00
Lilies, Harrisii and Longi.	7.00	to	8.00
Lily of the Valley	1.00	to	3.00
Mignonette, per doz.	....	to	....
Narcissus	....	to	....
Orchids, Cattleyas	25.00	to	50.00
Cypripediums, per doz.	....	to	....
Dendrobium Formosum.	....	to	....
Pansies, per doz. bunches	....	to	....
Poinsettias, per doz.	....	to	....
Hyacinths	....	to	....
Smilax (per doz. stringa)	1.00	to	1.25
Stevia, per bunch	....	to	....
Sweet Peas, per doz. bun.	....	to	....
Tritoma	1.00	to	1.50
Tulips	....	to	....

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Manager Cut Flower Department

New York

Andrew Sauter, 55-57 West 26th st., and his family, arrived home on the S. S. Kron Prince Wilhelm on Tuesday, Sept. 20. He reports that they had smooth water both ways, and that he and his family return in good health. He has been absent several months and has been through Switzerland visiting the cities of Berne, Zurich, Interlaken, Luzerne, and the Jungfrau Mountain. In Germany he journeyed through the Black Forest, and along the Rhine, visiting Frankfort and Cologne. Much of the time he spent at his native town, Constance, in Baden, South Germany.

The regular monthly meeting of the directors of the N. Y. Cut Flower Exchange was held at the usual place on Saturday, Sept. 1.

Edward Dorval, brother of Victor S. Dorval, secretary of the N. Y. Cut Flower Exchange, is a candidate for the position of chief of the Newtown (L. I.) Volunteer fire department. He has been a member of the Woodside, L. I. hook and ladder company for the past ten years, and is at present chief of the third battalion, to which his company belongs. He was placed in nomination for the chieftainship at a meeting of his company. The election will be held in the early part of October.

The Growers' Cut Flower Co., 41 West 28th st., has been receiving some of the best branching Asters arriving in the city.

P. J. Smith, 49 West 28th st., is receiving some good Monrovia 'Mums.

Henshaw & Fenrich, 51 West 28th st., are receiving regular shipments of Violets, and some Carnations of remarkably good quality for the season.

Kessler Bros., 136-138 West 28th st., are now featuring pot and tub evergreens; they are also showing a full line of Ferns, both the Nephrolepis varieties and the small assorted Ferns for Fern pans. This firm adds to its plant department, beginning Saturday, Oct. 1, a wholesale cut flower department which will be under the management of Ralph Gretsch, who has for several years been located at 52 West 28th st.

Philip Kessler of 55-57 West 26th st., in company with John Donaldson, John Miesem, V. S. Dorval, and Arthur Buckholz, took a trip on Monday to Rockland Lake, and Congers, N. Y. They called, among other places, on Snyder & Noe, and report that everything at this establishment was found in first-class condition. Mr. Kessler is now receiving consignments of cut flowers from several growers, among whom are A. E. Zvolanek and T. F. Ehrhardt.

A. S. Burns, Jr. of Spring Valley, N. Y., is the happy owner of a new automobile, which he is learning to drive.

W. A. Bridgeman, who for several years was at Thorley's and J. H. Small & Sons, and also of the firm of Bridgeman & Co., has recently erected an uptodate Violet house on his farm at Rhinebeck, N. Y.

The Madison ave. store window of the A. T. Bunyard Floral Co., 48th st. and Madison ave., was recently tastefully decorated with some large specimens of Dracæna Massangeana on either side, flanking the background, with a massing of Nephrolepis Ferns between, lighted up with some sprays of Oncidium varicosum Rogersii. A dainty basket of Dendrobium formosum and Phalænopsis, another of Sunrise Roses and yellow Daisies, a moss-covered vase of pink Bouvardia, with an edging along the entire window front of Asplenium Ferns, completed a very effective display.

N. Y. Florists' Club

On account of the expense to which Mr. McFarland has been put in order to lecture before the Club at the next meeting, the Club's officers have decided to invite the ladies to be present. Members

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Sept. 28, 1910	Pittsburgh Sept. 26, 1910	NAMES AND VARIETIES	Boston Sept. 27. 1910	Detroit Sept. 25, 1910	Cincinnati Sept. 26, 1910
20.00 to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	30.00 to 35.00	25.00 to 30.00
15.00 to 18.00	12.00 to 15.00	" extra	10.00 to 15.00	25.00 to 30 00	..... to 12.50
10.00 to 12.50	8.00 to 10.00	" No. 1	3.00 to 8.00	12.00 to 20.00	6.00 to 8.00
3.00 to 5.00	3.00 to 5.00	" No. 2	..... to	4.00 to 10 00	4.00 to 5.00
3.00 to 5.00	3.00 to 8.00	Killarney	2.00 to 8.00	..... to	2.00 to 4.00
4.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	3.00 to 8.00	2.00 to 4.00
2.00 to 6.00	2.00 to 6.00	Bride and Bridesmaid	2.00 to 5.00	..... to	1.50 to 4.00
3 00 to 6.00	..... to	My Maryland	2.00 to 8.00	3 00 to 6.00	..... to .....
3.00 to 6.00	3.00 to 8 00	Richmond	2.00 to 8 00	3.00 to 8 00	2.00 to 4.00
3.00 to 5.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
3.00 to 8.00	2.00 to 8.00	K. A. Victoria	2.00 to 8.00	4 00 to 8.00	..... to .....
..... to 1.00	.75 to 1.50	Adiantum	..... to	1 00 to 1.50	..... to .....
20.00 to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	..... to	30.00 to 50.00	..... to 10.00
20.00 to 30.00	20.00 to 30.00	" Sprengeri, bunches	..... to	30.00 to 50.00	10.00 to 14 00
..... to 2.00	1.00 to 3.00	Aster	..... to	.50 to 3.00	1.00 to 2.00
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	..... to 15.00	..... to .....
..... to	1.00 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	1 00 to 1.50
1.00 to 1 50	..... to	Standard Varieties: White	.75 to 1.50	1.00 to 1.50	..... to .....
1.00 to 1.50	..... to	Standard Varieties: Pink	.75 to 1 50	1.00 to 1.50	..... to .....
1.00 to 1.50	... to	Standard Varieties: Red	.75 to 1.50	1.00 to 1 50	..... to .....
..... to	..... to	Standard Varieties: Yellow and var.	.75 to 1 50	..... to	..... to .....
..... to	..... to	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 3 00	2.00 to 3 00	..... to .....
..... to	..... to	*Fancy: Pink	1.00 to 3.00	2.00 to 3 00	..... to .....
..... to	..... to	*Fancy: Red	1 00 to 3.00	2.00 to 3.00	..... to .....
..... to	..... to	*Fancy: Yellow and var.	1.00 to 3.00	..... to	..... to .....
12 00 to 15.00	16.00 to 20.00	Chrysanthemums, ordinary	..... to	..... to	..... to .....
..... to	..... to	" fancy	..... to	..... to	..... to .....
..... to	1.00 to 2.00	Dahlias	..... to	..... to	1.00 to 1.50
..... to .15	..... to .20	Ferns, hardy	..... to	..... to .10	..... to .12
..... to .10	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
2.00 to 4.00	2.00 to 4.00	Gladiolus	..... to	3.00 to 6.00	..... to .....
..... to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	4.00 to 8.00	..... to 15.00	..... to .....
3.00 to 4.00	2.00 to 4.00	Lily of the Valley	3 00 to 4.00	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
50.00 to 75.00	..... to	Orchids—Cattleyas	30.00 to 50.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Paeonies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to	..... to .....
1.50 to 1.80	1.25 to 1.50	Smilax, (per doz. strings)	..... to	1 50 to 1.80	..... to .....
..... to	..... to	Tuberoses	..... to	..... to	..... to .....
..... to	..... to	Violets, double	..... to	..... to	..... to .....
..... to	..... to	" single	..... to	.50 to 1 00	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS

GARDENIAS

AMERICAN BEAUTIES

LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

Please mention the Exchange when writing.

will therefore bear in mind that the evening of Oct. 10 will be "ladies night."

N. Y. F. C. Bowling Association

At the meeting of the bowlers on Friday afternoon, Sept. 23, C. W. Scott of the Yokohama Nursery Co. was elected vice-president of the Association. It was announced that the membership numbered thirty, fifteen of whom had paid seven months dues, $6, in advance. The first series in the games was bowled the same evening at the 23d st. alleys, and the evening was much enjoyed. The scores for the best four games were as followed:

J. A. Manda	134	191	174	154
Wilson	163	135	157	127
C. W. Scott	150	153	143	130
J. A. Shaw	142	155	157	100
P. Smith	112	151	137	123
R. E. Berry	139	118	122	122
E. W. Holt	93	140	130	122
A. Moltz	86	129	101	92

J. A. Manda won the prize of the evening for the highest average, donated by The Crescent Café, which house offers for the evening of Sept. 30 a box of cigars under similar conditions. There will also be two knives competed for on the same evening, one for high score, and the other for "the bowling nearest to a score of 111."

Visitors: J. A. Carbone, W. Berkeley, Cal.; Harley James, St. Georges, Bermuda; T. J. Pierman, Hamilton, Bermuda.

Boston

Both wholesale and retail men predict good business this Fall and Winter. They say that things are shaping in the right direction at the present time, and that if financial difficulties do not arise throughout the country they are certain of a prosperous season. Growers have splendid reports of their crops; Roses are looking well with all the large growers, with the exception of one or two cases where there is mildew. Carnations never looked better than they do now, after being housed. There is an avalanche of Carnation flowers on the market this week and one can't help but wonder where they came from all at once.

Retail stores are beginning to spruce up, and those not located on the large, crowded thoroughfares are showing more activity and brightness.

The Halifax Gardens Co., Halifax, Mass., has two stalls at the Boston Co-operative Flower Market, and Herbert T. Capers is in charge. Their plants at the greenhouses are doing very well and promise a large cut of flowers later. They are shipping to the market now well-grown flowers of Carnations Lawson, Dorothy Gordon and Winsor.

There is a new wholesale establishment opened recently at 64 Pemberton Square, under the style of the Boston Rose Co. It has been organized for the purpose of handling cut flowers. This house is to carry the very highest grades of flowers, and when one learns that the Montgomery Rose Co., of Hadley, Mass., is one of its prineipal consignors of Roses, the trade may be assured that the Roses will be of the highest quality. Peter Fisher of Ellis is one of the principal Carnation consignors, so with men like these the company is bound to have a great future. Martin J. Laley is manager.

From 3000 to 8000 Carnations a week is the quantity of flowers Norris Comley of Lexington is shipping to market. They are disposed of at the Boston Co-operative Flower Market through salesman Walter Holden.

At the Waban Rose Conservatories, where Alexander Montgomery presides, the Roses are looking exceptionally well this season. The growth is unusually strong and healthy and there isn't a spot of mildew to be seen anywhere in this large establishment. The American Beauty Roses are exceptionally good this season. Some Killarney, both pink and white, are being shipped in large quantities. Rose Aaron Ward is also being cut; this Rose is doing well here. Some houses have been devoted to Asparagus, and some excellent bunches of A. Sprengeri are being shipped now. In a short time some excellent A. plumosus will be ready.

James Wheeler is cutting about 5000 Carnation flowers from his new house per week. The flowers are of good quality and are disposed of at his stall in the Boston Co-operative Flower Market. His bungalow is almost finished and is a commodious structure of eight rooms and bathroom. It is built of field stones and has a slate roof, all modern improvements, and is one of the best and uptodate bungalows in this part of the country.

Robert Montgomery, the Rose grower at Natick, has remarkably fine houses of Roses in crop now. Seldom does one see such a heavy crop of Killarney Roses, both pink and white, and his Richmond is also good.

Charles Evans of Watertown has just finished potting 8000 Hydrangea plants. His stock of this commodity was never better than it is this season.

Donald Carmichael of Wellesley has all his houses planted. His Carnations have rarely looked better than they do this season. He is cutting now the varieties Fair Maid, Winsor and Pink Delight.

Mrs. Charles Evans of Watertown is still hale and hearty although she has passed the allotted span of three score and ten years. She enjoys immensely to ride about in her son's new automobile, seeing the sights in the country.

J. H. Leach of North Easton is shipping some excellent Chrysanthemnms, of the variety October Frost. They are sold by J. M. Cohen at the Boston Co-operative Flower Market, and they have a ready sale.

The Mishawnm Florist Co. of Woburn has as good Golden Glow Chrysanthemums as we have seen this season. The flowers have long stems, healthy foliage and large blossoms. The company has a stall at the Boston Co-operative Flower Market.

Sam Goddard of Framingham has some excellent Carnations, considering the earliness of the season. They are sold through Thomas Pegler at the Boston Flower Exchange.

J. W. Simpson of Woburn, who makes a specialty of growing yellow Marguerites, has an excellent lot of plants to start in with this season. He grows his plants in solid beds. He has begun shipping flowers to the market.

Arthur Capers of Wellesley grows Carnations principally, and his plants are in excellent shape for a good yield this Winter. He is cutting good Winsor, Lawson, and White Enchantress.

The Boston Cut Flower Co., which has a retail store on Bromfield st., has its window handsomely decorated this week. It isn't one of the very large stores, but the window shows remarkable good taste in its arrangement.

H. W. Vose of Hyde Park has made a specialty of Peppers for his Fall trade. He grows them in 6-in. pots and they are

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

DAHLIAS $1.50-$2.00 $3.00 per 100 DAHLIAS

If you are particular about the quality of Dahlias, buy from us. They are just as good one day as another, so you will know what to expect every time you order. Dahlias are at their best now, and are very desirable stock for you and your customer.

CATTLEYAS

$7.20 per dozen—$50.00 per 100.

You can depend on us for your Cattleyas. Can furnish quantities on short notice.

Chrysanthemums

WHITE AND YELLOW
$2.00-$3.00 per dozen.

Golden Glow in Yellow—October Frost in white. Well grown stock.

BRONZE GALAX $7.50 per case.

The unusually fine quality is the best feature about our Bronze Galax. They are so like new Galax, that you probably could not tell the difference if you would make a side by side comparison.

Commencing October 3rd, will be open every day until 8 P. M.

THE LEO NIESSEN CO., 1209 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Sept. 26, 1910	Buffalo Sept. 26, 1910	NAMES AND VARIETIES	Phil'delphia Sept. 26, 1910	St. Louis Sept. 26, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	15.00 to 20.00
..... to	15.00 to 20.00	" extra	..... to 20.00	10.00 to 15.00
10.00 to 12.50	10.00 to 15.00	" No. 1	12.50 to 15.00	8.00 to 10.00
5.00 to 8.00	7.00 to 10.00	" No. 2	5.00 to 8.00	2.00 to 3.00
3.00 to 5.00	2.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 6.00
3.00 to 5.00	2.00 to 7.00	White Killarney	2.00 to 8.00	3.00 to 5.00
2.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	3.00 to 8.00	Richmond	2.00 to 6.00	3.00 to 5.00
2.00 to 4.00	2.00 to 5.00	Perle	3.00 to 6.00	..... to .....
2.00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	2.00 to 6.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to	.25 to 1.50	Aster	1.00 to 2.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	..... to	Callas	..... to	..... to .....
..... to 1.00	1.00 to 1.50	Carnations—Inferior grades, all colors	1.00 to 1.50	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	2.00 to 2.50	2.00 to 2.50
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Pink	1.50 to 2.00	1.00 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.50 to 2.00	1.50 to 2.00
1.50 to 2.00	..... to	Standard Varieties: Yellow and var.	1.50 to 2.00	..... to .....
..... to	2.00 to 2.50	*Fancy: White	2.50 to 3.00	..... to 2.50
..... to	2.00 to 2.50	*Fancy: Pink	2.00 to 2.50	..... to 2.00
..... to	2.00 to 2.50	*Fancy: Red	2.00 to 2.50	..... to .....
..... to	..... to	*Fancy: Yellow and var.	..... to	..... to .....
5.00 to 8.00	10.00 to 15.00	Chrysanthemums, ordinary	..... to	..... to .....
15.00 to 18.00	..... to	fancy	20.00 to 30.00	..... to .....
.50 to 1.00	..... to	Dahlias	.75 to 3.00	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz.	2.00 to 2.50	..... to .....
..... to	2.00 to 4.00	Gladiolus	2.00 to 3.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	12.50 to 15.00	..... to .....
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
..... to	.50 to .75	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	60.00 to 75.00	..... to .....
..... to	..... to	Cypripediums	..... to 50.00	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to .....
..... to	..... to	Poonies	..... to	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.60 to 1.80	..... to .....
..... to 3.00	..... to	Tuberoses	..... to	..... to .....
..... to	..... to	Violets, double	..... to	..... to .....
..... to	.40 to .50	single	..... to .50	..... to .....
..... to	..... to		..... to	..... to .....



DAHLIAS

The most effective flower for Fall trade. Our supply is from the greatest Dahlia specialists in the country. South Jersey with Hammonton and Atco as the centres are where the very best commercial varieties are grown for the cut flower trade.

We handle the bulk of the stock, a large proportion of it going to our Philadelphia and New York houses and a great many orders, particularly regulars, going direct.

If you haven't handled any of this stock try a sample shipment and convince yourself of its superiority. The best quality, ordinary varieties, **$1.50** to **$2.00** per hundred.

NOVELTIES, such as Jack Rose, or Delice and Kriemhilde, $3.00 per 100.

CUT FLOWERS OF ALL KINDS. RIBBONS AND SUPPLIES

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA, PA., 1608 to 1620 Ludlow Street

NEW YORK, 109 West 28th Street

WASHINGTON, D. C., 1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

For a Full List of "Craig Quality"

STOCK OF

Ferns, Crotons, Dracaenas, Palms, Araucarias, Pandanus, Ficus, Asparagus, Adiantum, Gardenias, Begonia Gloire de Lorraine and Cyclamen, see our full page adv. in the FLORISTS' EXCHANGE, page 545, issue of Sept. 24, 1910.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

EDWARD REID

Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

well fruited and make a good ornamental plant. He has some in large pans which are handsome plants, and he will offer them to the trade later.

Andrew Christensen of Stoneham is one of the large shippers of Carnations to the Boston Flower Exchange. His Carnations are of high quality at this time, in fact they are as good as generally seen about two months after this date. His White Enchantress and White Perfection are excellent and his Beacon has long stems and good color.

Eber Holmes is quite successful with two yellow Roses which he is marketing at this time, and he finds they are general favorites; they are the varieties Perle and Aaron Ward, of which he has a fine stock.

Penn's retail store on Bromfield st., is being altered considerably at this time. The complete front is being remodeled. The store is doing an enormous business over the comparatively small quarters possessed. Penn's carry the very highest grades of flowers and plants and their windows are always attractive, and filled with grand material. The house believes in advertising, not only in the trade journals but in every part of the city and suburbs on large, showy and artistic billboards.

Last week the writer was a judge of an exhibition at North Easton, of the products of children's gardens in that town. He was much surprised at the fine quality and quantity of the stock the children grew. In fact, it would compare favorably with the vegetables shown at the Boston exhibition last week. The bouquets of flowers from the childrens' gardens were grand. There were $250 awarded in prizes, most of it being donated by the different Ameses of North Easton. This is grand, good work to give such a fine start in horticulture and floriculture to the youngsters of such an early age. Florists and others in their different towns should encourage such work and training. It makes better boys and girls and better citizens. William N. Craig is responsible for much of the good work the children have done and are doing in North Easton. He deserves much credit for the interest and time he is giving to the children and their work. The more we make the children and the people love flowers and plants so much

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

more will we increase our own business.

W. D. Hathaway of New Bedford, who is a champion Dahlia grower, says that it does not matter much whether it rains or not during the Summer for growing Dahlias. He had good success this Summer by keeping the cultivator constantly moving. He is a business man and grows Dahlias as a hobby. He has won many first prizes in the towns and cities of Massachusetts and in several other States.

James Marlborough's exhibit of greenhouse Grapes at the Mass. Hort. Society's Autumn show was the largest ever seen in this city. They were splendid bunches and excellently displayed, but some of the bunches lacked color. Thomas Head's bunches of Grapes were remarkably fine. They were well finished and of fine color.

R. C.

Philadelphia

The S. S. Pennock-Meehan Co. had at its store this week a vase of the beautiful new Rose, Irish Melody, grown by Robert Scott of Sharon Hills, Pa. Recent callers on this house were T. J. McCarty of the Connelly-McCarty Co., Charleston, S. C.; Mr. and Mrs. Neville of J. B. Stevenson & Co., Savannah, Ga.; and J. D. Dillon, Bloomsburg, Pa. S. S. Pennock and family have returned from their tour through the North.

Ralph Shrigley is now with Edward Reid of Ranstead st. Mr. Reid has gone on a southern trip for a few weeks.

Charles Gray, late with McKissick Bros., is now buyer for J. J. Habermehl's Sons, the Bellevue-Stratford florists.

Daniel E. Gorman, Williamsport, Pa., and G. P. Weklin of Pittsburgh, Pa., were recent callers on the Robert Craig Co. The company is now trying to make arrangements for the erection of four new greenhouses this Autumn, at Norwood, Pa. These are to be each 21x150 ft., with concrete walls, and fitted with combination iron and slate benches. They will be used chiefly for growing Cyclamens in order that the company may be

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Sept. 27, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	.... to	6.00
White Killarney	.... to	6.00
Richmond	4.00 to	6.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	1.50 to	2.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.00 to	1.50
Pink	1.00 to	1.50
Red	1.00 to	1.50
Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
Pink	.... to	3.00
Red	.... to	3.00
Yel. and Var.	.... to	....
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	10.00 to	12.50
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	60.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.75 to	1.00
" double	.75 to	1.00
Astrs	.... to	3.00
Gladioli	2.00 to	4.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

*The highest grades of Sta'd varieties

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

better able to meet the increasing demand for this plant.

Eugene Bernheimer reports that at the Florex Gardens, at North Wales, Pa., they have planted the 172x700 ft. greenhouse with 30,000 Lorillard Tomato plants. The plants used are from 4-in. pots, or those which have been previously set on the benches, 4 in. apart.

Several of the Philadelphia florists and seedsmen joined the delegation of the Baltimore Florists' Club in its visit on Tuesday to the Richard Vincent, Jr., & Co.'s Dahlia Show at White Marsh, Md.

The Leo Niessen Co. is receiving a full supply of Orchids, Lily of the Valley and Lilies and Dahlias in all of the best varieties.

H. H. Battles, 106 So. 12th st., has a beautiful window display, consisting entirely of Cattleya and Oncidium Orchid plants in bloom, and cut flowers of the same in vases.

The Century Flower Co., 112 So. 12th st., is displaying well grown specimens of evergreens, a large variety, in pots and tubs.

B. Stahl, 27 So. 11th st., reports that he has had an unusually good September business, which has been helped out lately by some large wedding decorations and considerable funeral work.

The store and conservatory has had its Summer renovation at George Craig's, 211 So. 11th st., and Mr. Craig is found at the old stand, where he has been doing business for thirty-six years. Very interesting are Mr. Craig's reminiscences of the old days, when no Roses were raised under glass in or around Philadelphia, and Boston and New York were the sources of the Rose supply. Those were the days of Safrano and Bon Silene Roses. Then the buyers for the retail stores went to the growers for cut flowers, and not to wholesale florists.

Crawford, who has been thirty-four years at his store and conservatory at 203 So. 11th st., is now showing some fine Carnations cut at his own greenhouses at Secane, Pa. The blooms of the new Carnation Dorothy Gordon are particularly good for so early in the season.

Chicago

Business is assuming general Fall conditions, and while the local trade is not all one would wish, shopping orders indicate that in all localities business is picking up. The local retailers report an increase of business each day, and that never in a September within their memory have there been so many bridal bouquets to make, although wedding decorations have not been very extensive.

As yet no one has been found who could confirm the report of last week that Chas. Nelson, who jumped from a train and was killed, was the florist Charles Nelson. Several friends of Nelson, who were interviewed, state that they have heard nothing regarding him, and feel that after the report three years ago that he was killed in the earthquake in Italy, he afterward turning up hale and hearty, he will again present himself.

Mr. Kranz and wife of Great Falls, Mont., spent a few days in Chicago recently. Mr. Kranz left Minneapolis twenty years ago and engaged in the growing business, afterward adding a retail store in connection with his business. He reports his business as a very successful one. Mr. and Mrs. Kranz have been spending a month visiting Minneapolis and other cities, and expect to return to Great Falls October 1.

A report from A. C. Brown of Springfield, Ill., says that owing to the illness of Geo. Jack, his right-hand man, he has been kept unusually busy. Mr. Jack has been confined to the hospital for two months with typhoid fever; he has many friends in the trade, not only in his own town but in Chicago and vicinity, and all hope for his speedy recovery.

F. O. Fransen, formerly of Gary, Ind., will shortly open a retail store at Summerdale ave. and North Clark st. As Mr. Fransen is an enterprising young man it is hoped his venture will prove a success.

G. B. Dawes has bought a tract of land at Elgin, Ill., and will at once erect greenhouses which, when complete, will be known as the Page Ave. Greenhouses.

A new wholesale house will in a week's time be added to the list of Chicago houses. The Chicago Carnation Co. has decided to locate in the wholesale business on Randolph st., where all business of the company will be transacted. The company has long felt the need of having a place to handle their own stock, and has at last decided to meet their requirements.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

A. E. Hunt, Evanston, Ill., who has been on the sick list for some time, is again to be found at the Flower Growers' Market attending to business.

Mrs. Wm. Winterson, mother of Edgar and Louis Winterson, who has been spending nearly a year with another son in Tacoma, Wash., is expected home shortly.

Frank Ayers, who has been spending a month in Canada, is back again at his post with Chas. McKellar. He reports a most enjoyable time, and certainly looks as if he was able to cope with the coming Fall trade.

Miss M. Winzeler, of the firm of Strail & Hahn, will leave this firm to be married on October 5. After an extended automobile tour to Florida and through the West she will take up her residence in Chicago. Miss Wenzeler is well known among the retailers and all wish her joy.

Friedman has not at the present writing opened his new store in the Congress Hotel, owing to the fixtures and ice box being yet incomplete; but he feels that this week will find everything ready. Wm. Graff and Joe Bieber will be on the staff at this store.

The new work bench with its glass shelves above for displaying the elaborate stock of fancy baskets that has been installed by the Bohannon Floral Co., adds greatly to the appearance of the store. There has also been added a new Orchid case.

A. Lange says that this September breaks the record for wedding orders, being far ahead of other years. The demand for fancy Water Lilies, which he gets direct from Washington, has been far ahead of the supply. He is also using Oncidiums in great quantities, purple Pansies, and Violets. Mr. Lange finds his electric auto delivery wagons very satisfactory in every way, and much cheaper to run than gasoline cars.

A. Christenson, with Harry Rowe, says that there is a marked increase in business the past week. On Sunday they were exceedingly busy. Mr. Rowe has a large telephone trade.

A wireless message announces the fact that our enterprising florist of 35th st. and Michigan ave. is also coming to the front with an auto delivery wagon, run by gasoline. Muir will look pretty good inscribed on such a vehicle.

Fleischman's have completed their new Orchid and Violet ice box in their store. This is a most attractive acquisition to their place.

Mangel was kept on the jump the past week with wedding decorations. One the latter part of the week at the Stratford Hotel, and another on Monday at the Blackstone. The social functions at the Blackstone Hotel are beginning to call for flowers in profusion, and the outlook for business is promising. The call for Orchids and Violets already is surprising. S. Swan is still sojourning in the South.

California Violets in good quality and very fragrant are to be found at Kyle & Foerster's.

The A. L. Randall Co. is handling double Violets which are pronounced extra fine for the early season.

A party called at one of the leading retailers two weeks ago and asked for Violets. When told that it was yet too early for them he remarked that oysters had been on the market for two weeks and it was very funny one could not get Violets.

The shipping orders being handled at Poehlmann Bros. Co.'s on Monday would convince the most skeptical that business was on the increase.

Bowling Club News

The members of the Bowling Club have formed their teams under the same names as last season. As yet no captains have been chosen; this, however, will be done at the meeting on Wednesday evening, Sept. 28. The teams comprise the following:

Violets: Wm. Lorman, H. Schiller, L. Vaughan, F. Lieberman, T. Yarnall.

Orchids: Geo. Asmus, J. Zech, J. Huebner, Wm. Graff, J. Degnan.

Roses: O. Goerisch, Al. Fischer, W. Wolff, L. Fischer, J. Byers, E. Johnson.

Carnations: F. Ayers, F. Krauss, A. Zech, Ed. Schulz, Ed. Winterson, F. Pasternick.

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THE ORIGINAL NICOTINE
INSECTICIDES
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THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price $15.00

THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Blacet. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

RESIDENTIAL SITES AND ENVIRONMENTS.—Joseph F. Johnston. One of the finest landscape books ever issued. Price, $2.50.

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For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $60.00 per ton.
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J. J. FRIEDMAN
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St. Louis

J. F. Ammann has opened a new flower store in Edwardsville under the new opera house. It will be in charge of one of Mr. Ammann's daughters. A water display comprises the window decoration at present.

Gus. Eggeling of the Eggeling Floral Co., while returning home from his greenhouse plant at Kinloch in St. Louis Co., was attacked by highwaymen who laid in ambush for him. It was good that Mr. Eggeling was in his automobile; he put on full speed and escaped without being hurt.

Albert Woerner, of the well-known firm of Woerner Bros., at Clayton, Mo., was married last week. He did not leave the bride's name, but congratulations are now in order.

The Metropolitan Floral Co., which recently opened on Grand ave., say that business is much better than expected since the opening. The lighting system in the store is very complete.

The Veiled Prophets parade, and the ball next week to be held in the Coliseum, will use up a great quantity of plants for decorating, and the ball should make a good call for cut flowers of all kinds. American Beauty Roses always have the call for this occasion.

The downtown florists say that business has picked up some, but nothing steady. The Fall openings gave some work for designs and plant decorations. Riessen's, Sanders' and Young's have been kept busy with good, large designs for funerals.

Philip Scanlan, park commissioner, ended his Summer vacation by returning home last week. Mr. Scanlan said that while East he looked over all the big parks in New York, Boston and Philadelphia, and found them in the best of condition. He believes that our parks are in keeping with those in the East.

Several of the Belleville florists paid us a visit last week. They say that while business was slow all Summer it is beginning to look up and all are in shape for a busy season.

Chas. Beyer and Wm. Schray & Sons had a number of big decorations last week, for downtown department stores. Sanders and Young, too, say they were busy with this kind of work.

The Retail Florists' Association will hold its monthly meeting on Monday night, Oct. 3, in the Knights of Columbus Hall. President Sanders and Secretary Weber are looking for a large attendance, as some important matters will come up.

The executive committee of the Horticultural Society held a meeting at San-

STANDARD FLOWER POTS
Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	4⅝ 4½-in. pots in crate	$5 24	48 9 in. pots in crate	$3.60
1500 2¼ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5 ½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 40	144 6 " "	3 16	24 12 " "	4.80
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Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.
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Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.
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Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.
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Think of us.
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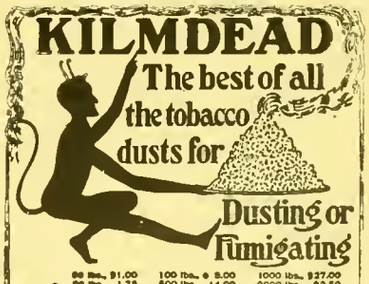

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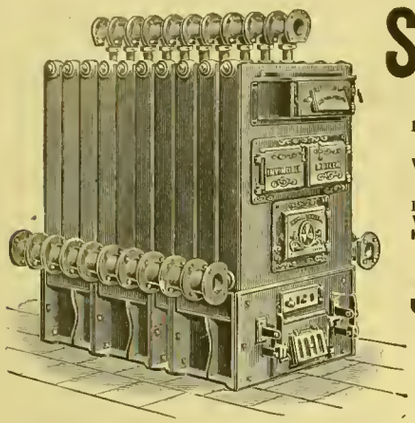

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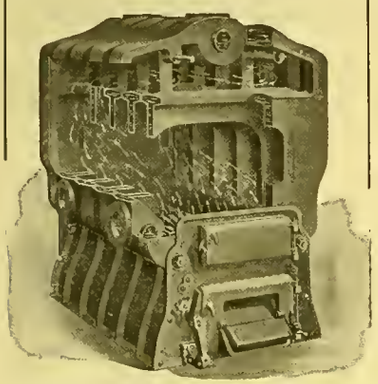

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SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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IRON or WOOD SASH BARS
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Milled to any detail furnished or will furnish details and cut material ready for erection
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ders' place on the Henley Road last week, to talk over matters concerning the Fall show which takes place Nov. 8 to 12. The big $1500 prize has been placed in three parts: $500 each for displays of Roses, Chrysanthemums and Carnations. These, with the Henry Shaw prizes, make $2000 in prizes for the five days. The pomological display promises to be larger this year, and the Coliseum should be well filled during the five days of the show.

ST. PATRICK.

Cincinnati

The Ohio Valley Exposition closed on Sept. 25. It has proved one of the best expositions of its kind ever held in southern Ohio. While the exposition itself did not pay in full, yet the business that it brought to Cincinati more than equals the deficit. Commencing October 5, the U. S. Episcopal Convention will convene in this city, and will probably bring the largest crowds ever brought to a convention in this city. All this helps to stimulate business, and the florists are bound to come in for their share.

Business during the past week has been very good. Asters are about done. Dahlias are coming in very nice and will take the place of Asters for a week or so, when the Chrysanthemums will be ready. With the advent of the Chrysanthemum business generally starts. American Beauty Roses are still in the lead, holding their own as to prices. Carnations are beginning to come in a little better. Roses are improving. Green goods of all kinds are in good supply and in good demand.

Max Rudolph seems to be leading in the large dry goods and millinery openings in this city, having used over 1500 American Beauty Roses within the past few days, E. G. Gillett having supplied them from the Heller Bros. greenhouses.

All of our florists who have been away on vacations have returned, and are snuggling down to business.

Mayor Barnaby of Columbus, Ind., was a caller here on Taft Day. Bayersdorfer's representative was also a caller.

Theo. H. Harcourt, of Loveland, O., who was for many years grower for the old Clifton Rose Co. greenhouses, is now in Loveland growing vegetables, and will erect some houses and grow Roses and Carnations. Mr. Harcourt is a good grower and should do well.

Wm. H. Gear has returned from the Sneaux Islands. Wm. Murphy is still up there, and will not return until frost, owing to hay fever.

E. G. GILLETT.

Detroit

Business has been quite satisfactory in the order line, as well as in counter sales. An increased and better supply of Carnations had a good deal to do with the latter condition. Single Violets have made their appearance and sell readily, although they are very small yet.

Next week will keep some of us very busy. Breitmeyer's have the large Hudson decorations, in their Detroit and Toledo stores, which in size and artistic motive always outstrip everything in local decorations.

Schroeter's are doing the Fall decoration for Newcomb's, which is also an elaborate job.

The same firms, and others, have several large banquets and weddings booked for the week, but they appear small compared with the other jobs.

A little flurry of excitement was caused by a 48c. Boston Fern sale instituted by Mr. Hufford. The comic side of it is that these 6-in. plants were furnished for 39c. by a firm which constantly tries to lead all growers to an agreement as to higher prices for all potted plants.

FRANK DANZER.

Pittsburgh

Summer dullness still prevails in the florist business; the weather, likewise, is too Summer-like, the thermometer the last few days high in the eighties, with plenty of rain which is very welcome to vegetation, making lawns and flower beds look their best. Good stock is scarce. Asters and Gladioli are near the end. Carnations are not in sufficient quantities for the demand, and as to quality they are indeed poor, but sell for all that. Dahlias are a little late this season, on account of the dry Summer; some good ones are coming in at present, and they should be plentiful shortly.

The Zieger Co. opened up its new branch store on North Highland ave. last week. The store room is of good size, handsomely decorated as to walls and ceiling, is furnished in mission style, and



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GLASS

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SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
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SUMMER IN WINTER

BY USING
Standard Greenhouse Boilers
One cent gets our catalog
GIBLIN & CO., Utica, N. Y.

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was much commented upon by the many people, particularly ladies, who attended the opening. Some fine decorative plants were grouped artistically about the room. The ladies, on opening day, all received flowers, mainly Roses.

Visitors the past week were: J. Goudy, of H. Dreer, Inc., Philadelphia; J. A. Mueller, of Julius Roehrs Co., Rutherford, N. J.; A. Ringier, of the W. W. Barnard Co., Chicago; Wm. Kasting and family of Buffalo arrived in their automobile and spent a day in the city, then went on their way to Steubenville, O.

Ernst Zieger and family, who spent the Summer in Europe, are back again.

E. C. Ludwig, the prominent North Side florist, received a pleasant surprise last week, on the occasion of his fiftieth birthday. He is getting old, but certainly doesn't look it. His employees of the market stands and store presented him with a handsome silver smoking set. In the presentation speech they referred to him and the somewhat crude method of doing business when he started over 25 years ago, and gave him credit for the many improvements that have been made since.

The October meeting of the Florists' Club takes place at the Fort Pitt Hotel, in the same room as usual, on Tuesday, Oct. 4, at 8 p.m. Dahlias will be exhibited.

E. C. REINEMAN.

Buffalo

The committees on the flower show, which will take place Nov. 1-4, are getting busy, and from the amount of interest taken in the project, the show should far surpass anything ever attempted in this city in the way of flower shows. Mr. Wm. F. Kasting has appointed the different committees and they are getting down to hard work.

Chas. Sandiford and wife have returned from their trip abroad. They visited England and Scotland, and report having had a good time.

The large department store openings in the past few weeks have used up a great many Palms, Gladioli and American Beauty Roses.

D. B. Long is busy with his new catalogues, and reports business good for this time of year.

W. H. G.

Advertising in the F. E. brings best results.

San Francisco

The Market

Market conditions this week are even better than last and it gives me decided pleasure to report that trade was never better for this time of the year. Last year about this time both our growers and the retailers were saving their stock and preparing for Portola week. This year, however, Don Gaspar is visiting other climes, and there will be nothing to cause the florists to wear that big smile which only makes its appearance on very rare occasions. Carnations were a little more plentiful this week, and prices were good. The quality of the blooms is improving and by another week or so we should see them without a fault. In the Rose line, we are not so well supplied and the quality of the blooms is only average. However, I have visited several of our principal growers lately, and have seen some excellent stock coming along rapidly, and I hope soon to see some very fine Roses in the market. 'Mums at present are our staple flower, and I have never seen a finer lot of early blooms than was to be seen in the market this past week, and right here I want to say that when East meets West in 'Mum growing, the East must take off its hat to the West.

Asters are now on their last legs and can only occasionally be seen in the stores; this year these flowers have been a decided success, and prices were well sustained throughout the season. Liliums are still to be seen in quantity, and although not nearly so popular as they were, they nevertheless clear moderately well. Dahlias are still to be seen in quantity, but only meet with a limited demand; the Cactus varieties appear to be the most popular. Gladioli are on the home stretch and another week should finish them. In the choicer grades of flowers, supplies are better than they have been for some time past. Cattleyas are still scarce and bring fancy prices Phalænopsis amabilis is to be seen in limited quantity and sells well. Gardenias are also more plentiful. In green goods there is plenty to go round, with prices ranging about the same.

Various Notes

Tom Wright of Wright's Flower Shop was in San Francisco this week, visiting some of his old friends. Mr. Wright is well pleased with trade in general and, indeed, now that I remember, looked remarkably prosperous.

The W. H. Crocker estate, at Hillsborough, one of the finest estates in the country, has now been thrown open to the public. Quite a few additions have been made to the gardens since last year, which are bound to prove interesting to all who visit this fine estate.

Samuel Lundy is in town interviewing the trade.

By the death of J. H. Sievers, San Francisco has lost one of its oldest and best known florists. Mr. Sievers for the past thirty years had carried on an extensive nursery at the foot of Van Ness ave., and was responsible for the introduction into California of many plants not previously grown in this section. The Sievers Nursery will now pass into the hands of J. R. Sievers, who will manage the business in the future.

The MacRorie-McLaren Co. reports the arrival of a carload of Kentias at its nurseries at San Mateo this week.

The E. W. McLellen Co. of Burlinghame has filled two more houses with Roses. By next season it expects to double its cut in Roses, and will be in a position to meet the demand for these flowers all the year round.

Frank Roach of Menlo Park has finished benching his Carnations. Some very fine stock is coming along in this nursery for Winter cutting.

Henry Maier of the Stockdale Nursery Co. is a busy man these days. Mr. Maier reports that prospects look good for the coming season.

Don't forget the annual exhibition of the Pacific Coast Horticultural Society, which will be held in the Hotel Fairmont during the latter part of October. Present indications point to this exhibition being one of the most successful ever held in San Francisco, and a large entry in the competitive classes is assured.

A recent visit to the D. O. Mills estate showed everything in splendid shape. L. McLean, the able superintendent of the estate, has made many notable improvements in the gardens and grounds and is to be congratulated upon their fine appearance.

The next meeting of the Pacific Coast Horticultural Society will be a grand one. Don't miss it! Our genial presi-

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GLASS

We have price and quality which will secure your order. Write us before buying.

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WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States

OUR NEW VENT APPARATUS Will Lift Easy 100 Feet

DOUBLE LIGHT HOT-BED SASH Requires No Covers

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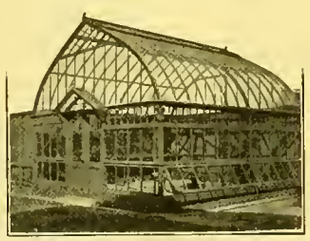

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Plans and estimates cheerfully furnished on application.

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Results are satisfactory. Many second and third orders.

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Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.

613 Euclid Ave. - - Cleveland, Ohio

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THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

TILE DRAINED LAND IS MORE PRODUCTIVE

ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Portland Cement, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N. Y.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON

14 & 16 Wooster Street, New York

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Trouble Talk

Number Two

It concerns the buying
of too large a boiler.

Do you know, sometimes I feel just like firing the Boss! You see it is like this: he tells me so many things THAT ARE so—it's a way he has. Now most of us kind of wince when we are called down for being flighty. But it's one of the best things that ever happens to me. Acts like a tonic; sort of an alarm clock that gets me wide awake.

Last week he went at me pretty stiff because my friend "Know-it-all" (we will call him that, just for now) had written in that he "intended buying a big wrought iron boiler in place of one of our cast iron sectionals." The Boss said I wasn't on to my job and that it was up to me to go and talk to him like a Dutch Uncle and tell him the truth about boilers from A to Z. And then tell him from Z to A. As I was going out the door he said, "Wire the order in." And I did.

Now let me tell you what I was up against!

Know-it-all has two houses 25 feet wide and 200 long. In four or five years he plans to have just doubled their size. One of our No. 1036 ten section water boilers would take care of the present houses easily and cost him something like $400.00. Then when he doubled up he could put in another boiler of the same size and hitch them up together. In mild weather he could run only one and do it economically.

His first plan, however, was to at once buy a big tubular boiler large enough to do the whole thing and brick off half of the fire box now. He figured it would then burn but half the coal.

This is the way I put it up to him: "Now see here, Know-it-all, that big tubular boiler is going to cost you a cold $600.00 and at least $70.00 extra to build a brick ash base and fire wall—ours costs $400.00, which price includes the base. You are going to have $200.00 tied up for five years that you are not getting a cent out of. In fact, you are losing money each year because the entire boiler—not half of it—is wearing out. In five years you will have to retube the boiler—and that costs money.

All this time you will be burning coal in a boiler proportioned for a large grate, and when only half the grate is used the PROPORTIONS ARE ALL WRONG and you have a bigger volume of water than your fire can heat and MOVE without burning extra coal."

Well, sir, that last fact got him!

He didn't mind so much the $60.00 interest money he would lose on the extra $200.00 tied up; but he couldn't wink at that unmistakable increase in the coal bill.

In last week's Trouble Talk you recall "Old Man Crusty" wanted TOO SMALL A BOILER; and here Know-it-all wanted one too big. The two extremes; but both came out of their dream when a saving in fuel was proven.

But this talk has been all about MY troubles—how about YOURS?

I am looking for other people's troubles—fairly thrive on them—provided they have to do with greenhouse heating. Address your letters right to

The Trouble Man

Hitchings & Co.
ELIZABETH, N. J.

P. S.—Next week's talk will be about the so-called "Patent Heat Generators"

Please mention the Exchange when writing.

dent will have a few special attractions on hand that evening, for the benefit of some of our doubting members. Don't forget October 2.

The C. C. Morse Co. on Market st. reports having had a good harvest on seed farms this year. At the store all hands are busy filling bulb orders.

The MacRorie-McLaren Co. is rapidly becoming known for its skill and ability in the laying out of parks and estates, and at present numerous contracts are being received for the coming season. This concern has started out well and it is surprising what it has accomplished in such a short time. Its nursery at San Mateo, when completed, will be one of the finest equipped nurseries in the West.

MACMILLAN BROWN.

California Notes

Some observations made while on a tour of three days through the San Gabriel Valley, as far east as Riverside, may be of interest to readers of The Florists' Exchange.

A sight that always interests me are the pools of water in this State when covered with a minute aquatic plant known as "Water Fern," which botanists have named Azzolla filiculoides. While young the tiny plants are a light green color, but when they attain maturity they are darker, with the slightest tint of pink. When examined closely they are very pretty. I have repeatedly tried to grow them in an aquarium, but failed because the fish ate them every time. As a matter of fact, they do not belong to the Fern family, but to the natural order Salviniacea, and it is wonderful that, in the dispensation of His gifts, the Creator spread beauty everywhere, even in sluggish streams and pools.

Square miles of territory about Ontario and Pomona, from which the grain hay had been cut, is now one great field of Sunflowers, adding beauty to the landscape. These millions of plants, be it remembered, have attained size and beauty without enough rain to dampen the dust—an illustration of the adaptability of plants to their environment.

I called at the Rose growing establishment of the California Rose Co. They were on a 72-hour run of water irrigating their 17 acre field of Roses; and their system of irrigation is the best I have yet seen. When buying water for irrigating, the head is turned on by the company, and the consumer is expected to take care of the flow, being charged with the volume ordered, whether he consumes it or not. Open ditches were originally used, exclusively, and these, of necessity, had to be higher than the land to be irrigated. The ditches are always and everywhere perforated by gophers to a greater or less extent. The gopher burrows sometimes lead the water twenty feet away from where it is wanted, and sometimes, if the ground be loose and sandy, the entire bank is washed away, allowing the water to run to waste, and there is no remedy other than to repair the break with sacks of soil, the waste water having to be paid for. The next step in the economic and certain control of the water was the cement lined ditch, which, being higher than the land also, made cultivation bothersome. Now irrigating waters are being put beneath the surface, in concrete pipes, which prevent seepage, and are impervious to the attacks of the ubiquitous gopher. Moreover, the pipes are carried over undulating fields by the use of stand pipes in the depressions, when water is desired at those points; or with head gates securely fastened into them if the pipes be low. The field of Roses is a fine sight, the stronger growing varieties now completely covering the ground. In their frames the company has 120,000 cuttings, 30,000 of which are of the new Rose Joanne Wessenhoff. Propagation began July 20, and the little plants are beginning to crowd the sash. The strike is about 98 per cent. Among the lot is a batch of 10,000 Mrs. John Laing, and it would seem that every cutting rooted. Mr. Howland was sick abed.

At Riverside I put up at the Glenwood, which is also known as the Mission Inn. It is unique in its architecture, none other like it on this Coast; and extensively traveled people tell us, that it is unlike any other caravansary in the United States. It is the only one of the many hotels which have come under my observation to which the Oriental name may properly be applied. No traveler should pass by this interesting Inn. In front of it is now growing one of the original Navel Orange trees sent to this State in 1874. It is the gift of Mr. Louis Jacobs, and was transplanted from his orchard to the present locality on May 8,



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NOW IS THE TIME TO USE

DREER'S
Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. **Dreer's Peerless Glazing Points** will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c. postpaid. 5000 points by express for $2.75.

IF YOU ARE BUILDING

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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Greenhouse Material
Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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F. E. Best Advertising Medium—Alive and Up-to-date

? ? ?

DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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CONCRETE BENCHES

Illustrating the easy manner with which our Concrete Benches can be installed in your house.

Four men—one day—one bench complete 150 feet by 4 feet and 6 inches.

WILSON-HOYT CO.
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Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
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1903, by President Roosevelt. It is about a foot in diameter at the base, perhaps 15 ft. high, and in excellent health. To protect it from mutilation by a class of vandals who have an insane and irrepressible desire to collect relics on their travels, an iron fence of heavy rods completely surrounds the tree. Travelers seldom tell us of cost of entertainment at such places, and many an unsophisticated guest is humiliated when he comes to pay his bill and his pocket book is depleted when that part of the performance is over; $4.50 is what I paid for bed, bath, dinner and breakfast—and no regrets. It is a restful retreat, without the aid of marble floors and granite columns, gilded railings and mahogany counters. The grounds are well furnished with trees and plants, but, like the great majority of such places in this State, not enough help; and fertilizer is furnished the gardener to keep the stock in vigorous, healthy growth. In this case the gardener is a Jap, and his ideas of neatness were displayed in his manner of growing Abyssinian Bananas. Three and four wire or rope bands were around them, sunk deeply enough in the trunks to show a swelling of the plant above and below each band.

About Riverside may be seen abandoned Orange groves, because they did not yield enough fruit to pay expenses; while many others which are carefully cultivated will be worked at a heavy loss this year. It is this decadence of many, very many of the older orchards in this end of the State which prompted our State Horticultural Commissioner to call the recent convention of Citrus fruit growers.

Again, I say, as I have a number of times before, that what this State needs for its perfect development are ten million thrifty, industrious inhabitants.

P. D. BARNHART.

Country Life in America Twice a Month

Beginning with the November number the price of Country Life in America will be reduced to twenty cents a copy, and it will appear twice in every month. The first mid-month number will be out about Nov. 15, and will be largely devoted to the subjects of interior decorating and furnishing. Doubleday, Page & Co., the publishers, who also publish The Garden Magazine and The World's Work announce that after Oct. 1 they should be addressed at Garden City, L. I., N. Y., where their new plant has been established.

Fruit of Seedling Peach

We are in receipt of a fruit of a seedling Peach grown by Samuel Smith of Jamestown, R. I. This is a yellow freestone Peach with red cheeks. The specimen fruit submitted was 9½ in. in circumference, 3¼ in. in width and 2¾ in. in depth, and weighed 7¾ ounces. The flavor was far above average quality, and the Peach was very juicy. It appears to be worthy of propagation as far as can be determined from the fruit.

Fires

YOUNGSTOWN, O.—The boiler room and a part of the greenhouse owned by Rudolph Haney on Park Hill were recently destroyed by fire, with a loss of about $600. The fire is thought to have been started by a match thrown into a basket of waste paper.

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it, taking into account all the conditions.

When a man knows his greenhouses will stand he is at liberty to put all his time and thought to growing things, and that is what he wants to do. Write for our Bulletins.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

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NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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A. HERRMANN
Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Order at Once. We Can Ship Promptly
Louisiana Red Cypress Greenhouse Material
GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH
THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.
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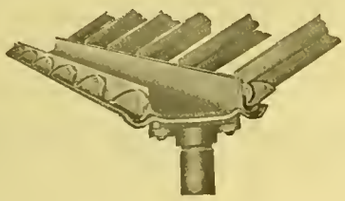
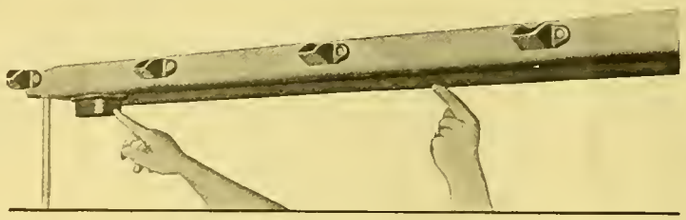
THE L. AND B. PAGE





THAT NEW MODEL CAST IRON GUTTER

IT is not like other gutters. Differs principally in *having the stuff in it to last.*

It is made of real iron, the kind of iron that will stand the racket. It is cast thick enough to give it the necessary strength not to break when being put up, and that will stand the strain when it is up. Every gutter is cast straight. If it isn't, it is remelted and cast again.

Every gutter is equipped with Cast Iron Sash Bar Clasps that guarantees to you a dry joint besides adding much to the strength of the framing.

The drip gutters have drain pipe outlets. The water from the main gutter is not carried down inside the gutter post to rust it out with disastrous results.

In the right hand cut, one hand is pointing to the independent outlet, and the other to the flange on the bottom against which partitions, when desired, can be screwed, making a tight, workmanlike job. It is cast in lengths of 8 feet 4 inches. Send for prices.

BRANCH TEES AND AN OVERHEAD HEADER



AT last here are *Tees that are Tees.* Cast accurately—ample size to reduce circulation friction. Send for prices.

STOP all air troubles in your Overhead Mains. Put in an Automatic Overhead Header like this, and it will work when you are all asleep - work any time—all the time without any attention. Made to last. Price is right. Write for it.



BURNHAM CAST IRON BOILERS

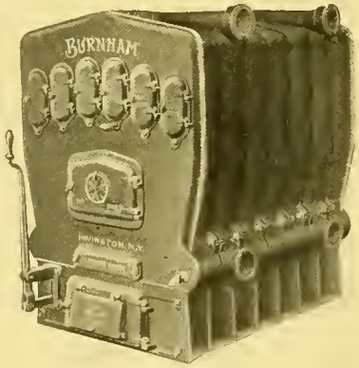
THE Burnham is not just a boiler—it's a *Greenhouse Boiler.* Designed for greenhouses—made for greenhouses—and hasn't an equal for ease of set up, convenience in enlarging and a *proven economy* for greenhouse work. Do you want a greenhouse boiler, or just a boiler—that's the question.



ROUND SECTIONAL

THIS water boiler is made in eighteen sizes, and will heat from 250 to 4700 square feet of glass.

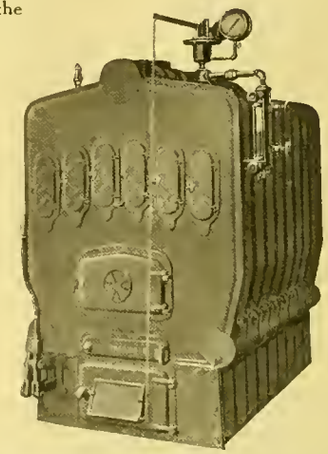
The steam boiler is made in the same number of sizes, and will heat from 1050 to 7350 square feet of glass.



SOCKET WATER SECTIONAL

THIS is the style we are selling by the hundreds. It is a low boiler and just the thing for shallow cellars. Saves changing existing piping—Saves coal which is mighty important.

Made in 16 sizes, and will heat from 1,850 to 19,000 square feet of glass.



STEAM SECTIONAL

MADE like the tapped water boiler, only with steam dome added.

Made in 21 sizes, and heats from 1,850 to 27,600 square feet of glass.

LORD AND BURNHAM COMPANY, IRVINGTON, N. Y.

New York, St. James Bldg. Boston, Tremont Bldg. Philadelphia, Heed Bldg. Chicago, The Rookery

THE FORCING OF BULBS

By FRITZ BAHR
ILLUSTRATED

The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 15 — NEW YORK AND CHICAGO, OCTOBER 8, 1910 — One Dollar Per Year

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Bicolor Victoria, selected double-nosed bulbs	$1.75	$16.00
Emperor and Empress, selected, double-nosed bulbs	1.75	15.00
Paper White Grandiflora, 14 c/m bulbs, 1000 to the case	1.25	11.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50
Princeps, selected, double-nosed bulbs	1.25	9.50

TULIPS

	100	1000		100	1000
Keizerskroon	$1.25	$10.50	**Murillo**	$1.26	$10.00
La Reine	1.00	8.00	**Couronne d'Or**	1.76	14.00
Rose Grisdelia	1.00	8.50	**Salvator Rosa**	1.75	14.00
Rose Luisante	1.75	14.50	**Gesneriana Spathulata**	1.25	9.50

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $6.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅝ to ½ inch and up in diameter, 75c. per 100, $5.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, $17.50 per case; $45.00 per 1000.
7 to 9 inch, 200 to the case, $18.00 per case; $80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $6.00 per dozen; large specimens, 12-inch pans, $3.00 to $6.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 5-inch pans, $6.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 6-inch pans, $6.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 6-inch pans, $6.00 per dozen.
Nephrolepis Scottii. Good plants, 6-inch pans, $6.00 per dozen.

Complete list of Full bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants	$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants	.50 each, 6.00 per doz.
7-inch pans, strong bushy plants	.75 each, 9.00 per doz.
8-inch pans, strong bushy plants	1.00 each, 12.00 per doz.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen. 7-inch pans, 75c. each, $9.00 per dozen.

FICUS PANDURATA

6-inch pots, $1.00 each.

RUBBER PLANTS

6-inch pots, $6.00 per dozen.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots $6.00 per 100.

Please mention the Exchange when writing.

Hydrangea Otaksa

Have a few hundred plants of the following:

One to two shoots	$6.00 to $10.00 per 100
Three to five shoots	15.00 to 20.00 per 100
Six to eight shoots	25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Azaleas

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick. $7.00 per doz., $50.00 per 100.

Begonia Gloire de Lorraine

(ANDERSON'S STOCK)

Strong plants, immediate delivery.

	100
3-inch	$25.00
4-inch	35.00
5-inch	50.00

Lilium Harrisii

	100	1000
5x7, 400 to the case	$5.00	$45.00
6x7, 335 to the case	6.50	60.00
7x9, 200 to the case	10.00	90.00

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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Geraniums

We are acknowledged headquarters for Geraniums. Let us book your order for good Standard Sorts at $2.00 per 100, $18.50 per 1000; for November and later delivery, from 2-inch pots.

CANNAS

We have them, good Standard Sorts, as low as $12.00 per 1000, for good strong divisions.

DAHLIAS

A splendid collection, at $5.00 per 100, for whole Field Clumps.

Swainsona Alba, Double Alyssum, Lantanas, Coleus, Heliotrope, Salvia, Lemon Verbenas, ready for shipment. 2-inch, $2.00 per 100; 3-inch, $3.00 per 100.

Hardy Chrysanthemums

We have a fine lot of plants, in 3-inch pots, for Fall planting, at $3.00 per 100, $25.00 per 1000.

R. VINCENT, JR. & SONS CO.
WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 635



What Is Very Much Wanted

	100	1000
CALLAS, 1½ to 2 in.	$8.00	
TULIPS, Artus, scarlet	1.00	$9.00
Belle Alliance, bright scarlet	1.75	16.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Keizerskroon, crimson and yellow	1.25	10.50
Rose Grisdelin, rose and white	.95	8.50
Queen Victoria, white	.80	7.50
NARCISSUS, Bicolor Victoria	1.50	12.00
Incomp. Sir Watkin	1.25	10.00
Paper White Grandiflora	1.25	9.00
Trumpet Major	1.00	9.00
Von Sion, extra selected	1.30	12.00
Von Sion, mammoth double nose	2.25	18.50
OXALIS, Bermuda Buttercup	1.00	8.00
LILIUM Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, French, selected	.75	6.50
French, mammoth	1.25	9.00
	Tr. pkt.	Lb.
STOCKS, Beauty of Nice	$0.25	
Princess Alice	.25	
SWEET PEAS, Christmas Pink		$0.75
Christmas White		.75

ENGLISH MUSHROOM SPAWN, fresh.....$7.00 per 100 lbs.
CHRYSANTHEMUM MANURE ..... 3.25 per 25 lbs.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Narcissus Paper White



Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000
FANCY GRADE
1250 to case.....$8.50 per 1000
REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.50 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$70.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

5-7 in.....$40.00 per 1000
6-7 in..... 60.00 per 1000
7-9 in..... 85.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., LTD., 2-8 Duane Street, NEW YORK

Stumpp & Walter Co.'s Bulb Specials

Why not try a few cases of late dug

HARRISII and FORMOSUM

Harrisii

The True Bermuda Easter Lily

	100	1000
Size 5 x 7, 400 to case	$5.00	$40.00
Size 6 x 7, 335 to case	6.00	50.00
Size 7 x 9, 200 to case	9.00	75.00

Formosum

Extra Fine Stock

	100	1000
Size 7 x 9, 300 to case	$7.50	$65.00
Size 8 x 9, 250 to case	8.50	75.00
Size 9 x 10, 200 to case	9.50	90.00

COLD STORAGE LILIES

Just a few cases of **Speciosums** for January flowering, when they will be in good demand.

Lilium Speciosum Album

11 to 13 in. in circumference (100 to case), $20.00 per 100; 9 to 11 in. in circumference (150 to case), $12.00 per 100.

Lilium Speciosum Rubrum

11 to 13 in. in circumference (80 to case), $15.00 per 100.

Lilium Speciosum Melpomene

11 to 13 in. in circumference (100 to case), $15.00 per 100.

For Prices on Giganteum, Multiflorum, and all other Fall Bulbs, send for Price List.

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25c. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

ROMAN HYACINTHS

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00

Stumpp & Walter Co

50 Barclay St., NEW YORK

Please mention the Exchange when writing.

HIGH-GRADE BULBS

Dutch Hyacinths, Tulips, Crocus, Narcissi, Peonies, Lily of the Valley

PURE CULTURE and ENGLISH MUSHROOM SPAWN

Write for our wholesale bulb list.

JOHNSON SEED CO., 217 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

	12	100	1000
Thick petaled, extra size bulbs, 22-24 in.	$0.60	$4.25	$40.00

LILIUM FORMOSUM

	12	100	1000
7 x 9, per case 300.....	$0.85	$6.00	$60.00

LILIUM FORMOSUM

	12	100	1000
9 x 10, per case 200	$1.50	$10.00	$90.00

Cases at 1000 price

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

PRIMULA KEWENSIS

Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Primula Kewensis, the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum. Finest Giants Mixed, 200 seeds $1.00; ½ packet 50c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 600 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

JONQUILS Campernelle, extra large bulbs for forcing, $4.00 per 1000.
LILIUM Harrisii, 7-9, 200 in a case, $8.60 per 100; $16.00 per case.
English and Pure Culture Mushroom Spawn, New Crop now Ready.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 6000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.

LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.

Also, **LILIUM HARRISII,** all sizes, send for prices per 1000.

Cold Storage Lily of the Valley Pips, best German grown, a few left over at $10.00 per case of 1000, in case lots only.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Tree Seed For Sale

Camphor, Holly, Magnolia Grandiflora, Juniperus Barbadensis, Sabal Palmetto, Blue or Porcupine Palmetto. Price $1.00 per pound. Cash. Special prices on large lots.

T. K. GODBEY, Waldo, Florida

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

CANNAS

We grow over one million and offer for Fall or Winter delivery as low as $7.00 per 1000. Dutch and French grown Bulbs, Callas, Dahlias, Freesias, Gladiolus, Iris, Lilium Harrisii, Peonies, Valley, etc. Write for special prices on what you can use. Catalogue free.

IMPERIAL SEED & PLANT CO., 5th Ave. Extension, BALTIMORE, MD.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$6.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marienthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	6.00
Rocnco, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Oct. 5.—J. W. Hampton, Jr. & Co., 12 cases plants; J. M. Keller & Co., 48 cases plants; P. C. Kuyper & Co., 23 cases plants; Lunham & Moore, 49 cases plants; McHutchison & Co., 58 cases plants; Maltus & Ware, 84 tubs Laurel trees, 108 cases bulbs, 12 cases trees, 512 cases plants; McHutchison & Co., 42 tubs Laurel trees, 73 cases plants; C. B. Richard & Co., 230 tubs Laurel trees, 22 cases plants; F. B. Vandegrift & Co., 34 cases plants, 4 cases trees; Vaughan's Seed Store, 154 cases plants; R. H. Mills, 10 bags garden seed; C. B. Richard & Co., 15 cases shrubs and trees; G. W. Sheldon & Co., 115 bags garden seed; Wm. Elliott & Sons, 27 cases bulbs. Sept. 27.—P. C. Kuyper & Co., 23 cases plants; C. B. Richard & Co., 230 tubs Laurel trees, 22 cases plants; F. B. Vandegrift & Co., 34 cases plants; Maltus & Ware, 84 tubs Laurel trees, 500 cases plants; J. W. Hampton, Jr. & Co., 12 cases plants; Lunham & Moore, 49 cases plants; Vaughan's Seed Store, 88 cases plants; McHutchison & Co., 42 tubs Laurel trees, 3 cases plants. Sept. 28.—O. G. Hempstead & Son, 20 cases plants. Sept. 29.—O. G Hempstead & Son, 20 cases plants. Oct. 3.—O. G. Hempstead & Son, 10 cases plants; Larzelére & Co., 47 cases plants; W. Hageman & Co., 87 cases plants; W. N. Proctor & Co., 10 cases plants; Stumpp & Walter Co., 22 cases plants; H. F. Darrow, 50 cases plants; Smith & Bobnessthue, 9 cases plants; Vaughan's Seed Store, 51 cases plants; Hussa & Co., 16 cases plants; Lunham & Moore, 11 cases plants; P. Henderson & Co., 15 cases plants; McHutchison & Co., 133 cases plants, 12 tubs Laurel trees; Perry Ryer & Co., 32 cases plants; C. C. Trepel, 15 cases plants; Maltus & Ware, 389 cases plants, 12 tubs Laurel trees; J. W. Hampton, Jr. & Co., 138 cases plants; A. Rolker & Sons, 42 cases plants.

European Notes

Our missing Summer appears to be reaching us in instalments at last, for during the present week we have felt comfortably warm for the first time this year. This will help the development of plants for next year's harvest, and, so far as the important crop of Turnips is concerned, stimulate the leaf growth so that they may be the better able to withstand the ravages of the Turnip fly which is very active just now. When orders for this staple are all filled there will not be so much as one pound left of any except the yellow-fleshed varieties.

Rutabagas of the coarser field types are producing even more than estimated and prices are not likely to advance while

A Lily Bulb is a small matter to make so much fuss about.

There would be no need of fuss if we could convince Bulb Growers that Horseshoe Brand Lily Bulbs will average more blooms per thousand bulbs than any other brand; that they are packed well and keep better; that they are secured from only the finest fields in the world; and that their actual cost is less than inferior goods.

Don't Be Fooled—at the present time there is no brand put up that will equal Horseshoe Brand.

You may have a Catalog, if you write for it—you are not obliged to buy.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Formosum, Multiflorum and Giganteum, ready for delivery.

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, Improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

STOKES' STANDARD CYCLAMEN SEED

Stokes' Giant Pure White
Stokes' Giant Crimson
Stokes' Giant Rose
Stokes' Giant White Red Eye
Stokes' Giant Papillo or Butterfly
Stokes' Giant Rococo Mixed

Price of above: per 100 Seeds 65c; per 1000 $5.00.

PAPER WHITE NARCISSUS

Fancy grade—1250 to a case. Per 1000, $8.25. 5000 lots, at $8.00.

FRENCH ROMAN HYACINTHS

White (12 to 15 ctm.) Per 1000, $24.00.

TULIPS, HYACINTHS, NARCISSUS

LET ME KNOW YOUR WANTS

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN

Brilliant. Deep crimson, extra.
Excelsior. White, claret base.
Grandiflora alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.
Prince of Wales. Giant bright red.
Roxy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful salmon pink.
Sunray. Pink, claret base.
Finest Mixed, all colors.

The above varieties, 100 seeds, **$1.00**; 1000 seeds, **$8.00.**

FOTTLER, FISKE, RAWSON CO. FANEUIL HALL SQUARE, also 26 SOUTH MARKET STREET **Boston, Mass.**

Please mention the Exchange when writing.

Just Arrived

Cyclamen Seed, Giant English strain, very finest obtainable, $1.00 per 100 seeds, $9.00 per 1000 seeds.

Pansy Seed, none finer offered. $5.00 per ounce, $1.50 per ¼ ounce.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

THE PRICES ADVERTISED FOR THE TRADE ONLY

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

the young plants retain their present healthy appearance.

Owing to frequent rains, second and third sowings, which furnish the seedsman's profit, have not been necessary this year.

From the Aschesleben and Eisleben districts in Germany come very bad reports of the outlook for Giant Zittauer Onion; hail and mildew having done their worst. A recent letter states that matters at Quedlinburg are even worse.

The late Radishes are improving rapidly throughout northern Europe and will give an ample supply for all our needs. Beans promise well in northern Europe, both pole and bush varieties. As regards the latter very large quantities are grown in the districts around Naples, and the alarming outbreak of cholera may seriously interfere with the export. Fortunately the crops of Italian Onions and Cauliflower have been delivered long before the outbreak.

Parsley and Mangel are ripening under the influence of the Autumn sun but the plants are so full of moisture that they will take a long time to dry. Carrot is much worse than last reported in these notes: Chantenay, Guérande, Nantaise and Danvers will all be very short owing to the great waste in cleaning. This applies to the first cuttings; the later cuttings are sure to be even worse.

Lettuce is only a middling crop but the seed is plump and heavy.

Cucumbers in Germany are reported as a very good crop.

As regards flower seeds, the German Aster growers report that their crops were in peril by rain but have again improved. German stocks ripen very slowly and cannot be grand, either in crop or growth.

EUROPEAN SEEDS.

American Notes

Bulb Business Satisfactory

There can be no question but that the continued warm weather accompanied, as it has been since the middle of September, with no rains to speak of, has kept the sales of French and Dutch bulbs, especially at retail, much less in volume than they would otherwise have been had we had the usual early frosts the latter part of September. There has been another condition which has had a most adverse effect not only upon the bulb trade but also upon every other line of business horticultural and agricultural, and this adverse factor is the water shortages which are beginning to force themselves upon many cities and towns, especially in the Eastern part of the country; in fact, unless copious rains come within a short time, many places will be facing a real water famine. Considering the warm weather and the extreme dryness together, it is remarkable how steadily bulbs have sold and in what splendid volume. There can be no question but that the moment we do have a few freezing nights, the retail business in the bulb line will start with great vim.

Everything in French bulb stocks has enjoyed remarkably good sales; in fact, shortages in many directions have become apparent with the larger seed houses in the past few days. In Dutch bulbs, many items are short, particularly named Hyacinths, for which there has been an unprecedented demand. Several of the popular kinds of named Tulips are also hard to obtain. While, on the whole, the Dutch bulb stocks arranged for by our seedsmen are much larger this season than ever before, still there would seem to be no especial surpluses in any direction and it is good opinion that the end of the season will find bulb stocks practically entirely sold out.

Seed Novelties for 1911 Catalogs

Our seedsmen are already beginning to look around in regard to the novelties and specialties in both flower and vegetable seeds that will be available for their forthcoming catalogs for the season of 1911. For a few years past there have not been as many novelties exploited as in the old days; in fact, outside of the many fine varieties of Sweet Peas, flower seed novelties of real value have been hard to find. It behooves those seed growers and seedsmen who have

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wellsoei, Hansoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York



Michell's "Distinctive" Quality

Tulips for Forcing

Our importations of this Bulb alone exceed one million in numbers annually, enabling us to offer "The Cream of Holland's Product" at the lowest possible prices.

Our Bulbs are all unpacked, ready for immediate shipment.

Order now when our stock is complete.

	Per 100	Per 1000
ARTUS, scarlet	$1.10	$9.75
BELLE ALLIANCE, giant flower, scarlet	1.80	16.25
CHRYSOLORA, golden-yellow	.85	7.25
COTTAGE MAID, pink and white	1.00	8.75
KEIZERKROON, red with golden edge	1.25	11.00
LA REINE, pure white	.90	7.50
POTTEBAKKER, yellow	1.15	9.50
POTTEBAKKER, white	1.20	10.50
POTTEBAKKER, scarlet	1.55	14.00
ROSE GRISDELIN, light-pink	1.00	8.75
YELLOW PRINCE, yellow	.85	7.75

We Sell Everything a Florist Needs.
Let Us Figure on Your Wants.

Our Complete Offer of "DISTINCTIVE" FLORISTS' Bulbs, Seeds and Supplies FREE

HENRY F. MICHELL Co., 518 and 1018 Market Street **Philadelphia, Pa.**

Please mention the Exchange when writing.

novelties or specialties to offer for 1911 catalogs to let the trade know at once regarding them; it is a great mistake to wait until late in the year before doing so, as it is now that the catalog makers wish to make their plans and learn just what to expect in this direction.

Estimating Values of Seeds for 1911

It is not going to be an easy matter to arrange seed prices for the 1911 lists, but this subject will demand attention from seed catalog makers very soon. A year ago much trouble was experienced along this line owing to the high prices it was absolutely necessary to charge in almost every direction, and the same difficulty will be again experienced for the coming season. Prices of seeds in every line, owing to the short crops will, of course, be high.

The directors of the Wholesale Seedsmen's League will soon meet, as usual, to consider the crop situation and to estimate, as they have done in the past, the probable valuations of principal seeds. This meeting of the Wholesale Seedsmen's League is now looked forward to with real interest by every member of the seed trade and, while the League valuations of seeds are simply suggestions, so to speak (but are suggestions made by men who thoroughly understand the seed situation), these valuations serve as a balance wheel and in no uncertain manner help to make uniform seed prices, and are certainly the starting point of market valuations for the approaching seed selling season.

Chinese Sacred Lilies

The Chinese Sacred Lily has always been a most uncertain proposition, being one of those bulbs in which there would seem to be either a feast or a famine. Some years the demand has been very light and other seasons it has been almost impossible to obtain enough for the retail demand. So far, Chinese Lilies are moving very well and it is hoped that the season will bring large sales for this item. It will be remembered that in 1907 these bulbs were almost a drug on the market, but the next season and last year again the demand increased, and indications now point to still further increased sales this year. When they do sell in goodly volume, Chinese Lilies make most excellent bulbs for counter retailing, but dealers who handle bulbs in connection with other stocks should be careful how they lay in large supplies of these, until they are pretty sure as to where they can place them.

V.

New York Seed Trade

While business has been steady the past week there has been no real snap to the bulb trade, nor will there be until we have a hard frost. Nevertheless, French and Dutch bulbs are selling in very large volume and stocks are already becoming depleted in many directions. Other lines with the seedsmen in seasonable items are active.

Burnett Bros. are having an excellent bulb business, particularly in the large sizes of Hyacinths, Tulips and Narcissus, of which they make a specialty. This firm is meeting an unusual demand for Lawn Grass and Golf Mixture Grass Seeds, which proves the wisdom of their adding, as they did last Summer, an entire floor for the handling of this branch of their business.

Alfred Emerich, representing Vilmorin-Andrieux & Co., Paris, France, arrived in this country for his annual trip amongst our seedsmen, by the S. S. Provence, last Saturday. Mr. Emerich is always a most welcome visitor to our shores and this season, with the many seeds on the short list, we are especially glad to see him. As usual Mr. Emerich's headquarters in New York are with B. Frank Darrow, at 26 Barclay st.

Alex. Mathers has succeeded J. F. Slimon at J. M. Thorburn & Co.'s, Mr. Slimon, as announced in this column several weeks ago, having severed his connection with the above firm and taken the position of manager of Vaughan's Seed Store here. Mr. Mathers is well known in the trade, having been with Messrs. Peter Henderson & Co., Currie Bros. of Milwaukee, Wis., and the Peninsular Seed Co., Port Huron, Mich., and is well fitted to assume his position with Messrs. Thorburn. L. J. Nightingale, who has been some ten years with Peter Henderson & Co., and Oliver Rice, recently with S. D. Woodruff & Co., have also joined the Thorburn forces.

At Boddington's the French and Dutch Bulb business is very lively. Darwin Tulips, of which this house has for some seasons made a specialty, are selling in larger volume than in any previous season, having given much satisfaction to customers.

Peter Henderson & Co. are making this week a continued display of vegetables at their Cortlandt st. store.

Vaughan's Seed Store is very busy with retail counter bulb business and expects still further rushes following the first hard frosts that materialize.

The Stumpp & Walter Co. is continuing its window display of Japanese plants, and certainly they have arranged a most attractive one.

Among the short items in the line of Dutch bulbs are named Hyacinths, and the shortage is quite general, the demand being far ahead of anticipations.

Single Hyacinths

Bedding Bulbs, Mixed Varieties, Separate Colors.
Fine Stock, at $14.00 per 1000.

Pink, Red, White, Purple and Blue.

WRITE OR WIRE ORDERS

JACKSON & PERKINS CO., NEWARK, NEW YORK

Wholesale Only

Please mention the Exchange when writing.

Fall Bulb Catalogue

IF YOU HAVE NOT RECEIVED A COPY SEND FOR IT.

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

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARM

Williamstown Junction, N. J.

Please mention the Exchange when writing.

Surplus Stock of French Bulbs

WHITE ROMAN HYACINTHS, 13 to 15 centimeters
WHITE ROMAN HYACINTHS, 15 centimeters and up
LILIUM CANDIDUM, Mammoth Bulbs, French-Grown

Call and inspect our stock of **DUTCH BULBS** before placing your order. Illustrated Bulb Catalogue on application.

BURNETT BROTHERS, 72 Cortlandt Street NEW YORK CITY
SEEDSMEN
TELLPHONE, 2223 CORTLANDT

Please mention the Exchange when writing.

P. Vos Ms Gladiolus Pink Beauty

A new, very early, forcing variety. Color, a lovely Peach shade of Pink. In flower three weeks before any other variety. $40.00 per 1000.

C. J. SPEELMAN & SONS, Sassenheim, Holland

P. S. Two First-Class Certificates at Edinburgh.
Two Awards of Merit at Haarlem and Amsterdam.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.

CALLA ELLIOTTIANA

The Golden-Yellow Calla

READY FOR IMMEDIATE DELIVERY

Mammoth Bulbs, $20.00 per 100, $175.00 per 1000. **First Size Bulbs,** $15.00 per 100, $125.00 per 1000.

WATSONIA ENDERSII

Mammoth Bulbs, $5.00 per 100, $40.00 per 1000.

MacRORIE-McLAREN CO.
Crocker Building, San Francisco, California
NURSERIES, SAN MATEO, CALIFORNIA
SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

Violet plants have had and are having very large sales here this season; in fact, good plants are difficult to obtain for the late orders.

Philadelphia Seed Trade

The Philadelphia seedsmen are not at present so busy but that they find time to attend the different fairs in their own and adjacent States. The sales now are confined mostly to bulbs, poultry supplies, wine and cider presses, and some plants such as are suitable for house decorations during the Winter season, especially Ferns and Ficus elastica.

"Reports from growers as to the percentage of seeds which they will deliver on their contracts make us feel blue," says one seedsman.

The attention of a prominent seedsman was called to Burnet Landreth's article, "Short Crops and Their Results," in the issue of the EXCHANGE of Oct. 1. After reading it carefully he said, "Mr. Landreth is absolutely correct."

William J. Sherry represented the Johnson Seed Co. at the Burlington County Fair at Mt. Holly, N. J., this week, when the company made an exhibit of Cyphers standard incubators, poultry requisites, bulbs, etc. Sales at the store of this company of the above named goods are increasing.

Walter P. Stokes reports that his sales of Spinach seeds for Fall planting have been very heavy. At his Market st. store there will be, beginning next Monday morning and continuing through the week, a Fall exhibition of vegetables and flowers of his growing. This exhibition will, no doubt, be both interesting and instructive.

At Henry A. Dreer's store this week there is a window exhibit of new Dahlias, consisting of more than fifty varieties, and embracing the several classes. They are exhibited under numbers, and orders are so booked, but the names will appear in Dreer's 1911 catalog. These blooms are not displayed in vases, but in four-inch plant pots, in which Selaginella is growing, covering the sides and edges of the pot, thus giving each bloom a setting of green. Among the Show Dahlias, No. 2210, a yellow tipped with crimson; No. 1810, a yellow, and No. 1515, a light pink with white center, are very pretty, as are also No. 1514, a deep crimson of the Decorative class, and No. 1825, a bright crimson; No. 2103, a deep crimson, and No. 1208 with pink outer petals and white center; all three of the Cactus class. J. Otto Thilow, secretary of Dreers, attended the Burlington County Fair at Mt. Holly, N. J., on Wednesday of this week.

A letter to the Moore Seed Co. from a very large seed growing company in New York State, in giving estimates on their deliveries on contracts of forty-eight varieties of Peas, names eight entire failures, and on the remaining forty varieties no estimate is higher than 50 per cent.; six are estimated at 10 per cent., and seven at 12½ per cent. The report about the Peas closes with the words: "The crop of Peas, as a whole, is the worst we have ever harvested." No wonder the seedsmen "feel blue" when looking over such reports from growers with whom they have placed their contracts.

One of Michell's windows at 518 Market st. this week is filled with poultry equipments, among which are a Prairie State incubator, automatic and rat proof feeders, fountains, remedies and foods. The Dahlia show last week at 1018 Market st., the opening of which has already been mentioned in a previous issue, was a great success and resulted in many orders for roots for future delivery. Of the professional growers exhibiting, David Herbert & Son of Atco, N. J., carried off prizes for the varieties Jack Rose and A. D. Livoni; and W. F. Bassett of Hammonton, N. J., the prize for Maid of Kent. A specimen in bloom of the Climbing Lily, Gloriosum superbum, on exhibition at the store front is attracting much attention.

Baltimore Seed Trade

J. Bolgiano & Sons, seedsmen, have an enormous stock of choice bulbs, tastefully arranged, and they find ready sales; their neat bulb catalog describes the bulb question fully. Business with them has been steadily increasing and the amount of goods they dispose of is remarkable. Charles Bolgiano is one of the most clever young men in the business—always ready to meet his customers with a welcome.

The department stores are now handling Dutch bulbs, and no doubt the seedsmen will feel the effect as some of the trade are buying from them. One of our street florists, when he has an order for bulbs, runs to the five and ten cent store and claims he can procure the goods cheaper. We wonder, does he consider the quality and whether the bulbs are true to name?—J. L. T.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.

MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.
PRICES
Per 100 lbs....$6.50
Per 1000 lbs...60.00
250 lbs. and over at the 1000 lb. rate.
Pure Culture Spawn made in America by the most reliable maker.
PRICES—Per doz. Bricks, $1.50; per 25 Bricks, $3.50; per 50 Bricks, $6.60.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut St. PHILADELPHIA, PA

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn**

Please mention the Exchange when writing.

BALTIMORE, MD. The Meyer-Stisser Co. have formed a corporation for the purpose of dealing in a general line of seeds, bulbs, plants, garden and farm implements, poultry supplies, incubators, etc., with headquarters at 32 Light st. Mr. John F. Meyer was formerly with S. L. Lamberd Co., and Mr. G. W. Stisser was formerly with Henry Lauts & Co.

DETROIT, MICH.—In a suit by Charles E. Cole of Detroit and Wm. H. Morgans of Pontiac against John Pinton and Joseph L. Gillespie of Detroit and Charles W. Latham of Chicago, directors of the American Seed Co. of Detroit to set aside a transfer of 50 shares of stock to Latham, it is alleged that the company has of late years been making considerably over 100 per cent. on the investment, the surplus last year being $80,000, while the capital is only $25,000. May 12 a special meeting was held, at which the directors voted 50 shares to Latham in spite of the protest of the complainants, who allege the deal was made merely to give the directors a majority of the stock. A temporary injunction was granted by Judge Hosmer.

Parkesburg, Pa.

M. Whiteman has been making alterations in his heating apparatus so that he can keep the range warmer the coming Winter. His houses are devoted to Carnations, Ferns and Lettuce and he is planning to force 8000 bulbs. Asters were unusually good this Summer. Mr. Whiteman grows Lettuce in pots which is used to fill in the beds. One house will be devoted to Pansies and Sweet Peas.

VOLUME 1 NUMBER 14

BODDINGTON'S STORE NEWS

SATURDAY, OCTOBER 8th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

LILY OF THE VALLEY (Cold Storage)

Our famous **Wedding Bell Brand** from cold storage can be shipped in any quantity, or in original cases of 500, 1000, or 2000 each; **$2.00 per 100, $18.00 per 1000.** Special quotation on large quantities.

Quality French Bulbs, Etc. FOR IMMEDIATE DELIVERY

LILIUM JAMESII (Bermuda Grown)

This grand Lily, a cross between L. Harrisii and longiflorum, is well known as a good Lily, free from disease, free flowering and a good shipper. Hundreds of florists are growing this Lily, and we shall be pleased to send the names of some who "swear by it."

	Doz.	100	1000
5- to 7-inch, 400 bulbs in a case	$0.75	$5.00	$47.00
6- to 7-inch, 335 bulbs in a case	1.00	7.00	65.00

FREESIAS (French Grown)

	100	1000
Bulbs, ⅜ to ½ in. in diameter	$0.75	$6.00
Monster Bulbs, ¾ in. and up in diameter	1.25	10.00
Jumbos, 1 in. and up in diameter	1.75	15.00

PAPER WHITE NARCISSUS GRANDIFLORA

With the **florist** is a staple article and an important item. To secure good results, only the best should be obtained. **Our "Quality Brand"** is true and free from the old type Totus albus and other mixtures.

	100	1000
13 centimeters and up, running about 1,250 to the case	$1.00	$9.00

Our 1910 Fall Catalogue now ready, contains a full list of Quality Bulbs and Seeds for Fall planting. If not received, send postcard and one will be sent by return mail.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

CARNATIONS

Fine, Healthy, Field-Grown

600 **PRESIDENT SEELYE** 300 **HARLOWARDEN**
200 **VARIEGATED LAWSON**
$6.00 per 100.

300 **RED MACEO** 300 **MARCHIONESS**
$4.00 per 100.

ROSES

Own Root, Fine Stock

PERLE and **SUNSET,** $8.00 per 100.

BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE and **KAISERIN,** $6.00 per 100.

Grafted, Fine Stock

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN,** from 3½-in. pots, $17.00 per 100.

ENCHANTER, MRS. JARDINE, RHEA REID, WOOTTON, from 3-in. pots, $15.00 per 100.

ASPARAGUS

Plumosus Nanus, from 3-in. pots, $5.00 per 100.

Plumosus Nanus, from 2¼-in. pots, $4.00 per 100.

SMILAX

Nice stock, from 2¼-in. pots, $2.50 per 100, $20.00 per 1000.

STEVIA COMPACTA

Fine, field-grown plants, $8.00 per 100.

Send for Catalog.

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

THE way orders are coming in you had better drop Carnation Plants from my advertisement, as I do not believe there will be any left by Saturday. Continue Fern advertisement part.

Address of this advertiser on application

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size,	$8.00, $20.00 and $25.00
VINCA Variegata, 8 to 12 vines	5.00
SHASTA DAISIES fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
PRIMULA Obconica and Kewensis, 2 in.	3.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Guttata, 4 in.	5.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00
45 large field clumps **DAHLIA Jack Rose,** lot for $8.00.	
ABUTILON Savitzii, R. C., by mail	1 50

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Special Plant Offer

Pandanus Utilis, specimen plants, 6-9 in. pots, 50c.-$4.00 each; 2-in. pots, $6.00 per 100.
Marguerites, 6-7-8-9-in. pot grown, foliage to the pot, fine for Christmas, 35c.-50c.-75c. and $1.00 each.
Marguerites, 2¼-in. pots, $3.50 per 100; 3-in. pots, $6.00 per 100.
Table Ferns, 2¼-in. pots, $3.50 per 100.
Primula Obconica, 2¼-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100, ready for 4 to 5-in. pots.
Double Sweet Alyssum, 3½-in. pots, $4.00 per 100.
Poinsettias, 1 year old stock plants, $20.00 per 100, will produce 4 to 5 flowers for Christmas.
Hydrangea Otaksa, 7-8 in. pots, 5 to 7 branches, 50c.-75c. each.
Campanula, pot grown for forcing, $6.00 per hundred, out of 4-in. pots.
Honeysuckles, 6-in. pots, very bushy, 4 ft. long, 25c. each.
Hollyhock, 4-in. pots, separate colors, healthy stock, $6.00 per 100.
Euonymus Radicans, variegated and green, very bushy, 4½-in. pots, $15.00 per 100.
Euonymus Radicans, strong Summer rooted cuttings, $2.50 per 100.
Virginia Creeper, 6-in. pots, 4 ft. long, 25c. each.
Ivy, Summer rooted cuttings, $15.00 per 1000.
Ivy, field-grown, $6.00 per 100.
All stock strictly first class. Cash with order.

A. L. Miller, Jamaica Ave., opp. Schenck Ave. BROOKLYN, N. Y.

Please mention the Exchange when writing.

Providence, R. I.

The cut flowers are coming in very much better than previously reported. Chrysanthemums, both yellow and white, are arriving more plentifully. Carnations are also coming in more salable condition, fairly satisfactory stems and blooms. Violets are better, having good stems and color; also Roses, for which the demand is increasing, are of much better quality. Lilies are somewhat scarce and find ready sales at fair prices. F. Macrae's Sons are the principal growers of giganteum Lilies, having a constant supply at all seasons of the year. They report business during the past has been very good.

Miss F. I. Willard, Mass. ave., is now cutting some very nice Chrysanthemums, selling same at retail for $2.50 to $3 doz. also using many for funeral work, which at present time keeps her very busy.

Mrs. John Hamilton has returned from a trip to New York. She is now cutting some very good Carnations.

John G. Jensen, Park Greenhouses, who has been rebuilding his plant, has replaced his two boilers with one large one.

Geo. H. Noble on Tuesday evening, Sept. 26, gave a very interesting talk on "Ferns and Brakes" before the Franklin Club, at its rooms, 54 No. Main st., Providence. He described very interestingly the 50 varieties of Ferns and Brakes found in "little Rhody," but claims there are about 100 varieties of these growing in the New England States. The Ferns are generally regarded as decorative plants instead of useful, but Mr. Noble stated that some varieties were very useful for medicinal purposes, and in some of the European countries are used for filling pillows in place of feathers. As a whole his lecture was very instructive.

Among the visitors in Providence the past week were Edward W. Dorey, representing A. T. De La Mare Ptg. & Pub. Co. of New York City, who was looking after the seed catalog trade; the half-tone photos of the different varieties of vegetables and flowers shown by Mr. Dorey were well worthy the inspection of any seed house issuing a seed catalog; H. C. Anthony, seedsman, Portsmouth, R. I.; Robert Greenlau, representing S. S. Pennock-Meehan Co., of Philadelphia; S. Geller, Geller Florists' Supply Co., New York; T. F. Hill, Malden, Mass., representing L. L. May & Co., St. Paul, Minn; William Taat, New York, representing M. Van Wavern Co., Holland; W. S. Nichol, Hampden Meadows, R. I.; Mr. Entrecht, of Wertheimer Bros., New York.

Mrs. Wm. Butcher is away on a vacation. She is putting in a large boiler, capable of running her whole plant.

The seed stores of W. S. Pino, W. E. Barrett Co., and Providence Seed Co., have discontinued the Saturday half holidays and are keeping open until 6 p.m.

Dexter E. Newell, a leading florist of Attleboro, Mass., buried his only brother, Fred A. Newell, of Providence, on Friday, Sept. 23. The deceased was one of the leading jewelry manufacturers of Attleboro, and was in his 66th year; he died on Sept. 20.

The Market

Roses, firsts, $5 to $8 per 100; seconds, $3 to $5; thirds, $1 to $3. American Beauty, $5 to $25 per 100. Carnations, $1 to $2 per 100. Lily of the Valley, $3 to $4 per 100. Chrysanthemums, $1 to $3 per doz. Violets, 25c. to 50c. per 100. Asparagus, 25c. to 50c. per bunch. Magnolias, imported, $2.50 per basket; domestic, $1.75. H. C. N.

Paradise, Pa.

H. H. Girvin was among the exhibitors of the Lancaster and York fairs, showing a combination feeder and fountain for use on poultry farms. This apparatus seems to be a clever idea, and Mr. Girvin reports a number of good orders. His houses are devoted to Carnations; he grows Parsley along the sides of all beds.

Leola, Pa.

Wm. B. Girvin has some 30,000 ft. devoted to Carnations and a late variety of Chrysanthemums. Mr. Girvin is fortunate in obtaining the services of a man who understands his business and whom he can leave in charge of his greenhouses. The stock is shipped to Philadelphia and Reading, while some little retail business is had here. Mr. Girvin speaks of a 1500 mile trip which he took with three companions through Pennsylvania, Ohio and N. Y. State. They started in to visit relatives and greenhouses but found time too short, so continued on without visiting. The entire trip in a new "Winton Six" was made at a cost, outside of fuel expense, of about 30c. for vulcanizing one tire. P. M. R.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Yellow Rambler
Cl. Victor Verdier
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Frau Karl Druschki
Killarney
Gen. Jacqueminot
Gruss an Teplitz
Hermosa
La France
L. Van Houtte
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Mrs. J. Laing
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Paul Neyron
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Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.

Nurseries

QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

First Aid to Rose Buyers

Fall Price List—200 Sorts

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

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P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.

Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries

OUDENBOSCH, HOLLAND

Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel

Write at once to our American Agent:

Leonard Oorthuys

POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

PEONIES

Our Seventeenth Year. Prices Right.

Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.

Rhododendron, select hardy varieties.

Catalogue free on demand.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS

31 Barclay Street NEW YORK

Please mention the Exchange when writing.

K. WEZELENBURG & SON, Hazerswoude, Near Leiden Holland

The Nurseries are situated on the Main Road from Leiden to Boskoop, one hour cab drive from Leiden, 25 minutes' walk from Boskoop.

Hardy Azaleas Hardy Rhododendrons

Magnolias—Collection of 30 Varieties

Conifers, Roses, Clematis, Peonies, Herbaceous Plants, American and Japanese Plants. New, Rare and Choice Shrubs

LARGE Stocks of HARDY EVERGREENS in Different Sizes

Catalogues Free on Application

The Gold Medals and Prize of Honor won by our groups of Forced Plants, Evergreens and Magnolias at the Haarlem Show, speak of the high grade stock we grow.

Please mention the Exchange when writing.



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

FULTON, ILL.—The Riverside Nursery Co. is erecting a large warehouse and office building.

FARIBAULT, MINN.—O. F. Brand has sold his interest in his nursery business to his son, A. H. Brand, and S. G. Kenney of Owatonna.

Wistaria Chinensis

The Chinese Wistaria is an old acquaintance of gardeners, having been in cultivation since 1816, and to many horticulturists it is known under the specific name of Sinensis, not much different from Chinensis, still, the latter is recognized as the correct one. The fact that a dozen years almost may pass away before this vine flowers deters some from esteeming it as they should, but after it begins to bloom flowers may be looked for safely every year, never entirely failing, and in certain seasons its beauty is very great. The Spring of 1910 saw this vine everywhere in its magnificence. Never, it seemed, did it flower so freely before. The vine displayed in our illustration clambering on the walls of the mansion, gives an idea of what such a plant can do and, to some great extent, of what it does do every year. Who would not wait a dozen years for a vine to flower seeing this picture and knowing that a yearly display could be promised ever after?

Our recollection of this particular vine runs back to about thirty years. In the owner's former residence there is a vine of it which was trained to a Norway Spruce tree, the tree probably 50 ft. high. Whether the tree was dead when the vine was set to it we do not know, but for years it stood dead, clothed from ground to top with the vine. Ultimately, the tree rotted at the base and fell over, but not to the ground; the vine swayed it partly around until its top caught in the limb of another tree, and in that position it is today, an interesting object, at least.

This Wistaria cannot climb a smooth surface but it will cling to posts or anything it can twist its young shoots around. It soon gets hold of the posts of an arbor or porch, but when it reaches the top thereof it needs a stout cable of some kind to take hold of to gain further ascent; in this way it would soon reach the top of a modern dwelling.

Should Trees Ever be Pruned

When a nurseryman is asked if trees should ever be pruned his answer is yes; but the same question profounded to a gardener often as not brings no for an answer. The cause of these differing opinions is that the nurseryman has a much wider experience than the gardener. His is an experience founded on a lifetime's work, alongside of which the gardener's is far more limited. The latter may set out a few trees without having been pruned, and because of good treatment, care, and a favoring season they do well and flourish as they should do. The nurserymen has to plant almost the whole year through. At times the trees, root and branch, may be in good condition, at others not, and whether to prune or not depends on this altogether. When trees are dug with a ball of earth to them, roots all intact, there is nothing in the transplanting of them calling for pruning. But reverse this, have but few roots, the tree perhaps carrying a heavy top, then it is not likely the tree would live without a good pruning; and besides this there is always the desire to make a well-shaped tree of an ill-formed one, which pruning will accomplish.

Tree Hydrangeas

The description "tree Hydrangea" is applied to those plants which are brought up from the ground with but one stem, and are then allowed to branch from the top of it. The "tree" term comes from having but the one stem from the ground, as all trees have, and as it is not the form we have in mind when a shrub is mentioned.

These Hydrangeas are started in the tree line by cutting down to the ground strong two-year plants and then permitting but one shoot, the most central and strongest looking, to grow. These make a growth of about three to four feet by Autumn, when they are usually topped at a certain height, that branches to form a head may appear.

These tree Hydrangeas are very useful. Many persons prefer them, as permitting an open space on a lawn close to the stem; and it fits them for use in many other places where the shrub form would not do.

It is possible to get these tree-shaped Hydrangeas on taller stems than often seen, by cutting back to the ground some very strong plants of them. One several years of age so cut back should make a six foot shoot in a season.

The Hydrangea paniculata grandiflora, the one these notes refer to, is of great beauty when of large size. It is not uncommon to see some of them ten feet or more in height, not tree form but large bushes that have crept up little by little from their annual growings. If care were taken in the way of pruning, so as to encourage an upright instead of a shrubby growth, a height reached at a much earlier date than it usually is would result. Every pruner would know how to do this; and it would seem, in time, that specimens of from ten to fifteen feet would become quite common.

Methods of Planting Trees

Some discussion is taking place in agricultural papers concerning experiments which have been made in the planting of trees at the Woburn Fruit Farm, in England, the experiments being to ascertain whether when a tree was set it was better to throw in the soil loosely about the roots or to ram it in hard. According to accounts, the subject has been taken up by the officials of some of the British possessions in the West Indies. It would really seem to be a matter well settled that the best way to plant a tree is to dig it with care, so as to secure as much of its roots as possible, to keep these roots moist, to plant in a hole large enough so that the roots may extend on all sides without cramping, to have fine soil, as dry as possible, in order that it may crumble up finely, and then to get this soil into as close contact with the roots as possible. This close contact can be brought about either by ramming the soil as it is thrown in, or by pouring in a lot of water when the roots are well covered with soil. Should the soil be sandy, water is much better than ramming, as it carries the soil into all interstices, and it will do the same with fine soil of any nature. Sand is so safe for the purpose that many nurseries now have heaps of sand near their packing sheds, where stock to be shipped is heeled in until the packers are ready for it. The close contact with the soil insures the roots being well cared for.

The closer the contact of soil to roots the more roots are formed. This is shown in the propagating beds of florists and others, when cuttings are in pure sand. The contact is perfect, and when the cutting makes roots it makes far more, and makes them more quickly, than when the cutting roots in soil. It may be that sand has an effect in producing roots aside from the close contact, but even in this case it is a plea for the use of it for the first covering of the roots of all transplanted trees and shrubs, using soil for the upper layers in filling up the holes.

During the planting season in England, where the experiments referred to were made, the season is usually so moist that the soil is full of water, which would hinder the procuring of fine soil for the filling in, making more desirable than ever the use of sand for the purpose.

Trees and Shrubs for Wet Ground

Landscape gardeners have all kinds of calls on them when planting grounds, a not infrequent one being for trees and shrubs for wet or swampy places. There are such kinds to be had, as may be witnessed in many a swamp or wet locality in our midst.

In the way of trees, the following kinds can be found where but little soil is above water at times, and some of them are really under water a good part of the time: Willow Oak, Red Maple, Deciduous Cypress, White Cedar, Magnolia glauca and White Fringe. Then, bordering such localities, though not in soil quite so full of water may be found the Sweet Gum, Sour Gum, Swamp White Oak, Pin Oak, Red Birch, Tulip Poplar, Bitter Nut, Catalpa, Butternut and Ash-Leaved Maple; but these must all be where, while wet, the water does not cover the ground, and is passing away all the time to some extent.

In the way of shrubs for low ground, there is the Baccharis, Clethra, Cornus alba and C. sericea, Ilex verticillata, Laurus Benzoin, Elderberry, Viburnum nudum, Cephalanthus and Alder; the last two will grow where it is so wet that one can only approach them in very dry times.

None of these trees make deep roots, but keep what roots they have almost on the top of the ground. Sometimes a gale will blow one of them over, and then it is curious to notice that flat mass of roots, many feet in diameter, but perhaps not one in depth. It rather shows that the trees are not in their positions from choice, but are making the best of things while there. Still, it is good to know that there are certain kinds that will live under such conditions, for the "wet position" is to be found on many estates.

To have trees or shrubs to start in such places, quite small ones should be planted, and should there not be much soil where each one is to go a wheelbarrowful should be placed for each one, to give them a good start off.

The Mountain Ash

Any tree that gives us a nice display of flowers in Spring is considered to have done its duty for the season; yet there are many trees that not only make the floral display but charm again later on, sometimes with Autumn foliage, sometimes with berries, and some there are that give all three.



Wistaria Chinensis

The Mountain Ash, of both the European and one native species, gives us flowers and fruit, but not bright foliage in Autumn; in fact, it would not be desirable to have bright colored leaves or the contrast we now enjoy of green foliage and orange red fruit would not exist. In its wild state as seen in Canada and our own bordering States, our native Mountain Ash, Pyrus Americana, is a great attraction. Campers and others who visit the Thousand Islands speak in raptures of it, its branches laden with its colored berries are so attractive.

As stated, we first enjoy its flowers in Spring. These are white in clusters, and when in flower the trees are noted for their beauty. The berries are not long in taking on a bright color; by the opening of August the display is on, and by the close of the month they are in full display of color. When undisturbed by birds the berries are in good condition until frost comes, but it must be said, for this part of the country anyway, that as robins begin to wend their way South they make their meals on the Mountain Ash berries, after finishing the wild black Cherries they meet with on the road.

The Mountain Ash grows naturally into a well-shaped pyramidal tree, with ample foliage to give it value as a shade tree, if desired for such a use. Its compound leaves cover a great deal of space, so that trees of it with but few branches give the shade that thickly branched trees do; and this is true as well when applied to many other trees having compound leaves.

In the State of Washington, and across its border into Canada, there is another species of Mountain Ash growing, the Pyrus sambucifolia. It, also, has pretty berries. Many grounds now bare of a Mountain Ash tree would be the better for one or more of the species being represented on it.

NEW YELLOW TEA ROSE
"LADY HILLINGDON"

Awarded GOLD MEDAL, National Rose Society, England, 1910, and AWARD OF MERIT, Royal Horticultural Society, England, 1910.

RAISED BY

Messrs. LOWE & SHAWYER, Ltd. The Nurseries, Uxbridge, England

AND DISTRIBUTED BY

Messrs. GEO. MOUNT & SONS, Ltd. The Nurseries, Canterbury, ENGLAND

This Rose is a Seedling raised from "Papa Gontier" × "Madame Hoste." Color: deep apricot yellow, shading to orange. Petals very long and filbert shaped, of fair substance, very free flowering and of free growth.

A grand Rose for forcing and for general greenhouse culture, keeping its color well when cut. The Rose has proved a great success wherever grown, and, in the opinion of the Raisers and Distributors, is by far the best yellow Rose for cultivation under glass.

Prices: $9.00 per dozen, including packing.
$70.00 per 100, including packing.

Terms: Cash with order.

GEO. MOUNT & SONS, Ltd. THE NURSERIES, Canterbury, England

Please mention the Exchange when writing.

Some Nursery Stock Specials

250,000 **Ligustrum Ibota** Seedlings, from 10 to 24 inches, 1 year.
50,000 **Ligustrum Ibota,** 2 years transplanted 2½ to 3 feet, bushy.
5,000 **Eulalia Zebrina,** E. Japonica var. gracillima.
1,500 **Spiraea van Houttei,** 3-4 feet.
7,000 **Populus Fastigiata,** (Lombardy Poplar) 6-8 feet.
200 **Pyrus Malus** (Flowering Crab) in 4 varieties, 6-8 feet, pyramidal form.
250 **Magnolia,** in all leading sorts, 6-8 feet, pyramidal form, well budded.

ALL EXTRA FINE STOCK. FINE ROOTS.
There are other things we have. Let us quote you close prices.

THE HORTICULTURAL CO., WORCESTER, MASS.

Please mention the Exchange when writing.

MOON'S HARDY PERENNIALS NOW READY

Strong field clumps and divisions of the following:

Shasta Daisy **German Iris** (all colors)
Coreopsis Lanceolata **Pentstemon** (3 varieties)
Dianthus Barbatus (in colors)

The above are but a few of the many kinds of

Old Fashioned Hardy Flowers

that we can supply in strong field-grown plants.

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

"Take it the year through, my advertisement with you is most satisfactory and I think more of your paper than any other trade paper."

Address of this advertiser on application.

ADIANTUM Croweanum. Strong 4-in. pot plants, $15.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli and **Scottii,** 5-in. pot plants, $4.50 per doz., $35.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
PRIMULA Obconica Grandiflora, Pink, Red and White, 2½-in. pot plants, $2.50 per 100.
CELESTIAL or **CHRISTMAS PEPPER,** 4-in. pot plants, $10.00 per 100.
BULBS—HYACINTHS, 17 centimeters and up, best named varieties, double and single, $3.50 per 100, $32.00 per 1000.
HYACINTHS, 15 centimeters, fine bedding stock, colors separate, $2.25 per 100 $20.00 per 1000.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
NARCISSUS, Paper White Grandiflora, 13 centimeters and up, $1.00 per 100, $9.00 per 1000.
HYACINTHS, White Roman, 12 to 15 centimeters, $2.50 per 100, $24.00 per 1000.
NARCISSUS, Trumpet Major, (French Grown,) $1.00 per 100, $9.00 per 1000.

Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

Northern Grown Nursery Stock

We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc**

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

SNOWBALL

Spiræa and Other Fine Shrubs

Stock of unusual quality. Orders booked now for Fall delivery.

The CONARD & JONES CO., West Grove, Pa.

Please mention the Exchange when writing.

40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 18 to 24 in., 5c. each.
NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

D. T. McCARTHY & SONS
Nurserymen and Florists Lockport, N. Y.

Please mention the Exchange when writing.

In regard to yours of the 20th., as to inserting my advertisement of Carnation Plants again this season, would say: I am all sold out—from the advertisement inserted with you a year ago, as parties buying plants at that time, wrote to me again this year—your advertisement and a square deal doing the trick.

Address of this advertiser on application.

THE EXCHANGE—Best Advertising Medium

Special Prices

California Privet

	100	1000
3 to 4 ft., extra heavy	$4.00	$35.00
2 to 3 ft., extra heavy	3.00	25.00

Berberis Thunbergii

	100	1000
18 to 24 in.	$10.00	$80.00
12 to 18 in.	8.00	60.00

Carolina Poplar

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

Lombardy Poplar

Low branched.	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.
The Burr Nurseries
Manchester, Conn.

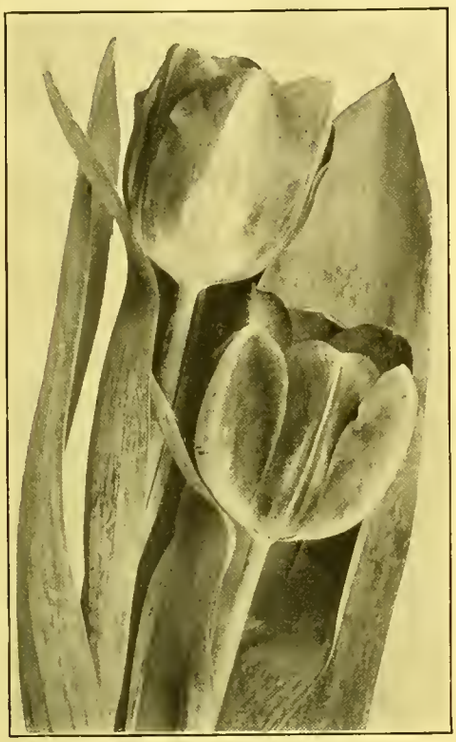
Please mention the Exchange when writing.

The Forcing of Bulbs

An Important Branch of the Florist's Business

BY FRITZ BAHR

I don't suppose there is a retail grower in the country who grows all of the bulb stock he uses. On the other hand, I know of many who grow but the smallest part of their requirements and buy the balance. Again, among them there are great numbers who lack the proper facilities to grow good Roses or Carnations, sometimes through shade caused by buildings near the greenhouses, as is often the case near cities; or old houses, out of date, perhaps, but still useful, make the handling of these two standbys difficult. I have visited places where an owner fully realized all these conditions and yet he would insist on planting benches of both, which, if a record of the sales were kept, should convince him at the end of the season that it is a losing proposition. But the strangest part of it all is the fact that, usually, when one finds such conditions, there is also noticed the absence of other things which might be grown successfully instead of Roses or Carnations. It doesn't seem reasonable but, nevertheless, it is a fact that we have men in the business who will conscientiously take care, all Winter, of benches full of Carnations or Roses which will never repay the cost of the water used on them, and, at the same time, daily, during the Winter months, buy the supply of bulb stock required for their retail trade; or, if they do force bulbs, it is done in a way so as to have one week, perhaps, a thousand La Reine Tulips, an oversupply, and the next week none, nor any in the month following. There is hardly a greenhouse establishment, no matter how old the houses or how shaded, where bulbs cannot successfully be handled; and there are lots of other plants which will furnish either most desirable foliage or flowering pot plants, or cut flowers, which can be grown and turn out to be a paying investment, and not a loss, as with Roses or Carnations in many instances.



Tulip Proserpine

Facilities for Forcing Bulbs Every Florist Can Provide

Hardly any other stock we handle in the greenhouses requires less work or occupies space on the benches less time than the bulbs the florist usually forces during the Winter months. The profit often is quite small, and on that account alone, if for no other, should we be particular in not wasting any of the bulbs. There are two ways of forcing bulbs; one is to force so many that you can afford to lose thousands without ever noticing the loss, and the other, and by far the better, especially for the retail grower, is to grow only a limited number but make every effort possible to grow them well and realize a fair price for them. With this in mind, the first requirement is to plant the bulbs early; the end of October or even middle of November is not too late for the outdoor stock, but for the bulbs to be brought into bloom from January on this won't do; plant them as soon as the bulbs arrive.



Tulip La Reine

For early forcing, the Narcissus and Tulip both need great heat; the Narcissus requires a strong bottom heat, while the Tulip needs heat above, to get a stem of sufficient length. Darkness is also necessary for both, as well as any of the other bulbs used for early forcing, to produce stem. Every florist can easily provide a proper place for starting his bulbs after they are brought in from the outside or a dark, cool cellar where they have been in flats making root growth. While a bottom heat of 80° and over is needed for a double Van Sion Narcissus, in order to have the flower by the middle of January, the later ones require less and less heat, and the cooler any of them are kept after they attain the proper length of stem the better the flowers will be. You will never be able to grow any Tulips, Hyacinths or Narcissi in a Rose house temperature up to the time the flowers are ready to cut and expect good flowers; keep them as hot as you wish up to the time you have the desired stem, but not a minute longer.

Success in Forcing Bulbs Means a Steady Supply of Flowers During the Season

As important as any factor regarding the forcing of bulbs for the retail grower is the arranging of a steady supply from the beginning to the end of the season. It means avoiding an over supply of flowers at one time and a shortage at another. I realize that, frequently, during the early Spring, weather conditions often make it difficult to time the opening of Tulips or Narcissi. However, the real cause of the trouble usually lies deeper. Too many growers, often through lack of experience, and sometimes through carelessness, simply are satisfied with knowing that they have planted so many thousands of such and such a variety and let it go at that. Twenty or thirty flats of bulbs are brought in, regardless of date, and if, when a surplus is sent to the wholesale house, the returns are not what they ought to be, there comes a howl; and what makes matters worse is the fact that, usually, when these growers after a few days have to buy stock on the open market themselves, and it happens that a shortage prevails, and they are obliged to pay a stiff price, they lose all faith in the wholesaler. But will any of them gain by this experience? No! Not one in fifty. The only way that the retail grower will ever make money out of his bulbs is by having a steady supply of flowers come along at all times. It just means to do a little planning ahead, the setting down of certain dates for the bringing in of the flats and carrying out the work. Whether your trade demands 200 or 2000 white Tulips per week doesn't make a particle of difference, have about that number on hand, right along. If occasion requires more, all well and good, buy them; and should there be a few too many at one time, the loss can't be great; but avoid the running of chances, there is nothing gained by it.



Narcissus Paper White Grandiflora



Double Tulip Couronne d'Or

If you need more than you have of your own stock on hand, in most instances you can well afford to pay a fair price for good flowers. Only the man who will work along the plan mentioned can be sure of success.

The Soil for Planting

It really matters but little whether we use a stiff loam or a light soil when planting the bulbs. We have used both, and, as to results, couldn't tell the difference. The advantage with a light, mellow, rather sandy soil is that the planting in such is so much easier than in lumpy or heavy soil, and this fact does count for a great deal when many thousands of bulbs have to be planted. There is quite a difference of opinion as to the advantages of using manure with the soil. Many successful growers claim that it is not necessary at all, a light porous sweet soil is all that is required; in such, when well rooted, and provided with proper drainage, the very best of flowers have been grown. I don't doubt this at all and yet I am of the opinion that there are more growers who do use manure; and, especially, the bulbs for late forcing are benefited when about one-fourth of well-decomposed manure is added to the soil. We place about a one inch layer of rather coarse soil in the flats, which answers for drainage better than fine soil. This is covered with just enough light or fine soil to allow of the firm pressing of the bulbs into their places, after which the flats are filled up to the rim with soil which is worked in between the bulbs and along the edges of the flats, with the fingers. That is all there is to the planting, no matter if you plant 10 or 100,000 bulbs. It never pays to drag this work along, or do it whenever a rainy day makes outdoor work impossible. Put enough help at it to get through with it. Have the flats ready, as well as the soil. Don't use flats of all sizes and shapes! Bench room counts, so have the flats of a size which will fit the benches without waste.

The Planting of the Bulbs.

The specialist uses boxes, or rather flats, which will hold 200 or more Tulips or Daffodils. The bulbs are

ONE-HALF MILLION
CALIFORNIA PRIVET

1, 2 and 3 Year Stock as follows:

		Per 1000	Per 10,000	Per 20,000
1	to 1½ ft. 3 branches up .	$10.00	$ 85.00	$165.00
2½	to 2 ft. 4 branches up .	15.00	125.00	210.00
3	to 3 ft. 6 branches up .	20.00	175.00	325.00
4	to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
	to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A1** in every respect

ORDER EARLY **DON'T DELAY**

CARLMAN RIBSAM, 31 Wall Street TRENTON, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET Is My Specialty

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

We can furnish 2 year old plants, graded from the large size, very bushy but not as high as the First Grade, for $2.00 per 100, $15.00 per 1000, 500 at above rate, packed.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Special prices on car lots.

Cash with order. **Packing free.**

JOHN BENNETT, The Privet Man
HILLSIDE NURSERIES
ATLANTIC HIGHLANDS, N. J.
Long Distance Telephone
60J, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

CALIFORNIA and AMOOR RIVER PRIVET

200,000 extra fine plants in one and two year old sizes. Our one year plants run 3 to 5 branches 18 inches to 3 feet in height. Our two year olds were cut back and are very bushy. Send for Price List, it will pay you.

Also, **Berberis, Cannas, Asparagus Roots** and **Grape Vines.**

FRED SHOOSMITH & BROS., Southside Nurseries, CHESTER, VA.

Please mention the Exchange when writing.

500,000 California Privet
FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also, a fine stock of **AMPELOPSIS** Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

California Privet

2 year branched, 2 to 4 shoots, $12.00 per 1000
3 to 6 shoots, 15.00 per 1000

No charge for cases or packing

Henry Eichholz
WAYNESBORO, PA.

Please mention the Exchange when writing.

ROSES

Two years, strong plants, from open ground, at $15.00 per 100.

500 **Sir Thomas Lipton**
500 **New Century**
500 **Conrad Ferdinand Meyer**
1000 **Rosa Rugosa rubra,** 3 years.
5000 **Dorothy Perkins,** 3 years, 5 to 10 feet shoots, $8.00 per 100, $60.00 per 1000.
1500 **Clothilde Soupert**
1000 **Baby Rambler,** Crimson
1000 **Maman Cochet,** Pink

HOOPES, BRO. & THOMAS COMPANY

Maple Avenue Nurseries, West Chester, Pa.
Philadelphia Office: 222-225 Stephen Girard Building

Please mention the Exchange when writing.

Hollyhock Plants

	100	1000
Double White, Yellow, Salmon, Pink, Red and Maroon; extra strong transplanted roots, $6.00 per 100, $50.00 per 1000.		
AQUILEGIA Coerulea (true)	$6.00	$50.00
DELPHINIUM Formosum ..	6.00	50.00
PAPAVER Orientale	5.00	40.00
PAPAVER Orientale, 4-in. pots	6.00	50.00
PYRETHRUM Roseum	4.00	35.00

Write for list of other Perennials, and samples to,

GEO. F. KIMBEL, Flourtown, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

DRACAENA INDIVISA

Field-grown, 25-30 inches high, fine stuff, $25.00 per 100.

100 **CYPERUS Alternifolius,** 3½ inch pots, $5.00 per 100.

STEVIA Compacta, field-grown, large plants, $5.00 per 100.

Cash with order.

JOHN WHITE, Elizabeth, N. J.

Please mention the Exchange when writing.

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F. E. — Alive and Up-to-Date

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Caldwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

DRACAENA INDIVISA

We can give extra value in these if sold this month.

	100	1000
2 inch	$2.00	$16.00
2½ inch	2.50	22.00
4 inch	10.00	

ASPARAGUS SPRENGERI, 2½ inch, $2.50 per 100; 3 inch, $4.00 per 100.

CYCLAMEN, fine plants in 4-inch pots, $15.00 per 100.

FERNS: Scholzeli, Boston and **Whitmani,** fine stock in 4-inch pots, 25c. each.

WETTLIN FLORAL CO.
HORNELL, N. Y.

Please mention the Exchange when writing.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

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



Narcissus Double Van Sion

planted tightly together; not one-half inch of space is wasted. It is entirely a matter of finding out how many bulbs a flat will hold. For the retail grower, I should recommend flats of, say, 12″x18″, 3″ deep; such will hold comfortably about 100 Tulips, allowing a little space between them. Of the double-nosed Van Sion Narcissus, about 60 will fill this space. This means you will get better foliage and a stronger stem, and both of these are essentially necessary on either Tulips or Narcissi, although only too frequently lacking. Flats which hold about 60 to 100 bulbs are by far easier handled, in every way, than others of larger sizes; and for the smaller grower, the one who uses, perhaps, a hundred Tulips of one kind per week, it is the more economical way. Many of us have use for Hyacinths, Tulips both single and double, as well as Narcissi in pots and pans, and while all such intended for these purposes may be planted directly into the pans or dishes they are to be sold in, we have found it a better way to lift the bulbs from the flats, either when the plants are in bud or partly open, and fill the pans then. No matter how careful one may be in planting and forcing, there are bound to be certain plants which will go wrong, and one bad one spoils the appearance of a pan containing, perhaps, a dozen good ones. Stock closely planted and brought into bloom in a high temperature is, of course, unfit for the making up of dishes; while stock, where space was allowed between the bulbs and the plants developed in a cool house, thereby producing a stocky growth, is ideal and will never notice the transplanting if done at all with care. The only bulbs which should ever need support are Hyacinths, they will get top heavy towards the last; but double Tulips or Daffodils should be able to hold up their heads without any propping. If they are weak, it is the grower's fault and shows poor culture, and such stock hasn't half the keeping qualities as the other.

Care of the Bulbs After Planting

For the sake of convenience a cellar is about as good a place as any in which to store the flats after the bulbs are planted, for only those who have had the job of getting in 50 flats on a January morning, when the thermometer showed 26° below zero and 2 ft. of snow looked them in the face, can appreciate what that means; and yet, after all, out of doors is the best place for the bulbs, at least for most of them, where conditions are natural for them. We place old greenhouse rafters, or 2x4's, on the ground, on which are put the flats, in straight rows, each kind by itself. A heavy wooden stake, with the name of the variety, is placed at the end of every row; these stakes, or labels, are 3 ft. in length. A thorough watering is given, after which the flats are covered with 6 inches of soil. From the time of planting until the middle of November, or whenever hard freezing sets in, the flats are examined, for a too dry state of the soil is bad and is liable to check root action. If, in November, more soil is on hand, an extra layer of several inches is put over the flats, and as soon as the frost begins to harden the soil a heavy layer of long straw manure is spread, heavy enough to prevent hard freezing. Among the bulbs the florist forces, the Paperwhites, as well as all other Narcissi, are not, necessarily, to be exposed to freezing after being planted, or need be brought out of doors; below a bench, in a Violet house, will do as well, except for those which are to be used for late flowering. But Tulips and Hyacinths will be a failure if kept inside, a good freeze does them good.



Narcissus Poeticus

Single and Double Tulips Suitable for Forcing

Among the many, many varieties offered of Tulips, Hyacinths and Narcissi, there are certain which are especially to be recommended for the florist's use, and while the list here given doesn't, by any means, contain all of the good ones, they form as judicious a selection, perhaps, as can be had for the retail grower. In Tulips, in the single section, the most important one is La Reine—or Queen Victoria; more of this sort is needed than all others combined. It can't be called a pure white, on account of its being flushed with pink. For a pure white, Pottebakker is a splendid sort. In pink we have Rose Luisante, Proserpine, Cottage Maid, and that beautiful delicate rose, shaded blush white, Rose Grisdelin. In the yellows, Yellow Prince, Pottebakker Yellow, and Chrisolora are all good. In the red or crimson there are Couleur Cardinal, Cramoisie Brilliant, and Vermilion Brilliant for midseason and late forcing; while Belle Alliance is especially adapted for early use, and Duc Van Thol, red and yellow, for very early. Keizerskroon, with its large, crimson scarlet flower and broad yellow border, is the showiest of that section among the double sorts. Salvator Rosa is one of the grandest as a deep rose. Couronne d'Or is the best double yellow. Murillo is, perhaps, more grown than any other double Tulip; this is a fine one for Easter, color blush white. Another fine blush white, even better than Murillo, is Raphael, only the price hurts a little. In double red we have Rex Rubrorum, and Rubra Maxima, both magnificent flowers when let come along slowly—but that holds good with any of the Tulips. I must not forget Imperator Rubrorum, another excellent red one.



Narcissus Emperor

Worthy Varieties of Narcissus to Grow

Here, also, we have quite a list to select from. In the Polyanthus section Paperwhites head the list. Next in importance comes the double Roman, a variety well worthy of more consideration. It has a white perianth with double orange yellow cup. Sir Isaac Newton is a good yellow. In the trumpet sorts, the single Van Sion, or Trumpet Major, are good. The French grown are the earliest to bloom; with heat they can be had in bloom by Christmas. Golden Spur is one of the very finest to follow as an early. Sir Watkins is another good one, as also is Mrs. Camm, Empress, Emperor, and Victoria. In the double varieties, which the florist calls "Daffodils," the double Van Sion is better known, and more largely grown, than any other. The first batch of these can be had in bloom by January 15, but they are not to be compared with the later ones as to size or coloring of the flowers. Orange and sulphur Phœnix are both good, and so is Incomparabilis flore pleno. Any of the double Narcissi are of value to the florist, and more of a variety should be grown. Usually no other sort outside of Van Sion is seen, and that is wrong. Grow at least a few of the others; if people see more of them they will buy more. Among the Jonquils, the little double variety is a pretty thing, and should be more grown; the single form also is good. The double Campernelle, with its large yellow and orange flowers, is also desirable. Get a few of these and give them a fair trial.



Double Hyacinth La Grandesse

Hyacinths, While Beautiful, are not as Important to Average Growers as Tulips or Narcissi

In proportion to the quantity used of the Tulips, Narcissi and Hyacinths, the latter come last, for the average florist has more call for cut flowers than pot plants, and that is about all the Dutch Hyacinths can be used for—either in pots or as made-up dishes. And when it comes to made-up dishes, or pans, the miniature, or Dutch Romans, are cheaper than the large bulbs and answer as well, if not better, for they do not produce such heavy flowers and therefore are more graceful. It is even unnecessary to order them by names, specifying separate colors is sufficient; in that way they can be bought for about $14 per 1000, and that is to be taken into consideration. Among the named sorts of Dutch Hyacinths there are many beautiful ones, all good for forcing. The following list contains simply some of the older standbys: Among the whites we find l'Innocence, Grandeur a Merveille, Baroness Van Thuyll and Grand Blanche; in the blue shades Chas. Dickens, Queen of the Blues, Baron Van Thuyll and Grand Maitre; in the reds King of the Belgians and Garibaldi; Robert Steiger is a good deep pink, or rather rose, and so is Gertrude; among the yellows we have King of the Yellows and Ida. All the large bulbs intended for pot culture as single plants should go into 4″, 4½″ or 5″ pots at once, according to their sizes; the miniature sorts, however, can be put into flats and transplanted when coming into bloom.



Narcissus Golden Spur

Florists' Club of Philadelphia

The regular monthly meeting of the Philadelphia Florists' Club was held in the lecture room of Horticultural Hall on Tuesday evening, Oct. 4, President Joseph Heacock occupying the chair. There was an unusually large attendance. After the acceptance of the minutes of previous meeting the following reports were read and accepted: The treasurer's report by George Craig, the auditor's report by Alfred Burton, and the report of David Rust, secretary. W. R. Tyler was elected a member of the Club. It was voted that a bowling committee of five, three active and two associate members, be appointed by the chair. The appointment was deferred. A letter was read from Paul Suecker of Rochester, N. Y., making inquiry for Otto Suecker.

The committee on exhibits made the following report: A vase of double Killarney Roses grown by Robert Scott & Son of Sharon Hills, Pa., sport of old Killarney and of the same color, but much more double, a decided improvement on old Killarney.

The old board of officers was then re-elected; namely, Joseph Heacock, president; Alfred Burton, vice-president; Geo. Craig, treasurer; David Rust, secretary.

A recess was then declared during which light refreshments were partaken of. After reassembling, J. Otto Thilow introduced the speaker of the evening, R. Vincent, Jr., of White Marsh, Md., who gave a talk, illustrated by stereopticon views, on Dutch bulb culture. After an interesting introduction, which he read from manuscript, Mr. Vincent showed and commented in a very interesting way upon 123 views, all of which related to bulb culture in Holland. These views could be divided into four classes, namely, those showing the manner of producing new bulbs by bulblets, those showing the bulb fields, views showing the exhibitions at Haarlem and Brussels, and views showing the people, buildings, canals, boats and domestic animals of Holland.

The views were good and well shown, and the talk given by Mr. Vincent was both pleasant and profitable and, for it, he was tendered a vote of thanks by the Club.

Prior to showing the views Mr. Vincent spoke as follows:

To the student of history, Holland is recognized as the arena in which was waged one of the greatest wars in the world's history. It was a struggle to the finish for the very existence of that nation. On many hardly contested fields throughout this war the valor was proved, not alone of the men of Holland, but also of the women, who, with martial weapons in their hands, fought for honor and country and the preservation of that country's liberty.

Holland has, for some centuries since, been engaged in another and never ceasing effort to save from old ocean's cruel waters the very land on which her people walk and by whose tillage they live. The traveler through Holland's fertile and smiling plains, conveyed by means of its abundant waterways, does not realize the ever present menace of the ocean which, at high tide, is often as much as 10 to 12 ft. above the River Rhine and which is held back from flooding the country at high tide by means of massive water gates.

The provinces of the bulb growing districts of North and South Holland are on the inner side of the long stretch of sandy dunes which form an almost unbroken line, protecting the whole of the western coast from the ravages of the sea.

Situated right in the midst of the bulb district is the ancient city of Haarlem, and in its immediate neighborhood is Amsterdam, the capital city of the kingdom. The southern end of the bulb district is near the royal residence at The Hague, near which the residences of the gentry abound with their quaint gardens and peculiarly built houses.

It is most interesting to watch the throngs during the bulb flowering season; some are on bicycles on which are strung enormous festoons of red, yellow and purple flowers, with a sash of the same shade around their necks, their hats also flower trimmed, forming a curious picture as they glide along, men and women; again, others in carriages are carrying huge bouquets; every one, rich and poor alike, seems to delight in carrying flowers, which are to be obtained from venders for a mere trifle all the way from The Hague to Haarlem. Even to those without the necessary trifle wherewith to purchase, the courteous bulb grower willingly makes a present of all the blooms they may want, as it is the roots the grower needs and not the flowers, and men have to be employed to pick the flowers off and cart or boat them away to the manure pile. The word "cart" is here a misnomer, for the boat or "punter" is the Dutchman's cart.

The visitor cannot but express his admiration as he views the bulb fields with their brilliant masses of bright yellow, dark red, showy purple, pure white and bright blue flowers, with here and there as a screen to the background, the green hedges which are used as wind breaks. These, with the ever present canals, form a panorama only to be seen in Holland.

The connection of Holland with flowers as a business originated in the historical Tulip craze, brought about through the admiration for the Tulip on the part of a few wealthy men. Soon, however, the love of gain predominated, and the craze was on in its full strength. All the people became speculators who bought and sold the bulbs, simply because they were in demand, and sale and barter ruled the land. With this greater demand the most common varieties rose to fabulous prices, and houses, land and property were bartered for them. The inns and places of resort became centers for bulb trading, and thousands were ruined by the wild ventures which then overran the country.

In 1637 laws were passed putting an end to illegitimate speculation, and with their enforcement came a terrific drop in prices. The cultivation of Tulips as an industry commenced about the end of the 16th century, when it became very popular and had the preference over all other bulbs. In the beginning of the 17th century there were many growers of the Tulip in Holland who vied with one another in their efforts to obtain the newer varieties. Enormous sums were paid in order to secure possession of special sorts which today no one would call extra good. The story is told of a very rich merchant who believed he owned all there was of a certain fine sort; to his consternation he learned that a Frenchman near Paris had the same variety. This was such a grievous matter to him that he journeyed all the way to Paris (no easy matter in those days), but when he got there and found the report was correct, he, after much talk and barter, succeeded in buying the Tulip from the Frenchman for a thousand ducats, and immediately crushed it under his bootheel. He did this because carrying the bulb home would have entailed much danger as some one might have stolen it from him on his return.

At the end of the 17th century, residents of Haarlem commenced to export their bulbs to other countries; from this time on they became known as Dutch bulbs.

I visited the site near Haarlem where, at the commencement of Tulip growing, the first varieties were raised, the original home of that bulb in Holland. The grounds have now been crowded out by dwelling houses, but there is still much left to interest one in the quaint gardens left in the heart of this built-up section. I saw here a bed of seedling Narcissus destined to show the world the possibilities that there are in this flower and what can be accomplished in a small area through the exercise of skill and intelligence.

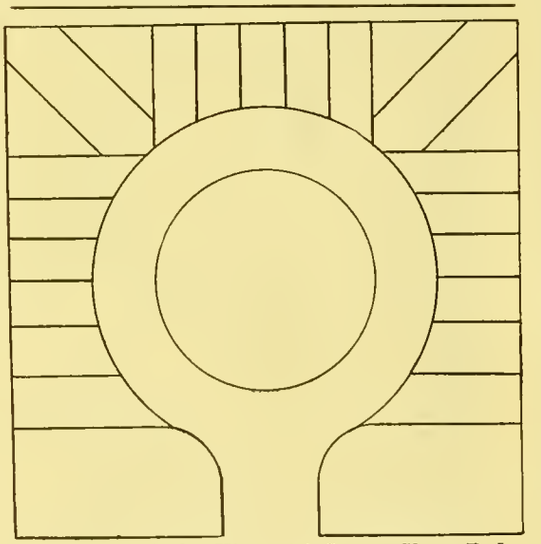

Diagram of the Vincents' Canna Show Bed

Of the mansion house on this tract only a small portion remains, as it has been added to and rebuilt by the several generations that have gone before. There is a story told about this estate and its connection with the Tulip industry that is entrancing. At the time of the craze, when every one was striving for new varieties, a poor peasant on this estate raised just one plant of an entirely new Tulip. It was a splendid variety and created quite a disturbance; the lord of the manor came to see it, and realizing the priceless gem his laborer had, endeavored to purchase it, but the price asked was heavy. He offered his palace, land and all he had for that one plant, for the laborer, through this acquisition, had become as rich as the lord himself with all his lands and mansions.

This article has dealt so far entirely with Tulips, but Hyacinths have, of later years, become a rival to the former, and these two are by no means all the bulbs raised or grown in Holland; in fact, the propagation of Narcissus, Spiræas, Tuberoses, Dielytra spectabilis, Iris, Snowdrops, Crocus, Ranunculus, Anemones and many other flowering bulbs have become a continually increasing business. The Narcissus, particularly, is an ever increasing product, and the wonderful fields when in full bloom, in their golden glory for all the world look like a beautiful sunrise.

That yellow has been the predominating color in these flowers is not saying that it will continue so always, as the white is here, and I think I can safely say that in a few years red also will become one of the standard colors, but these bulbs are beautiful even without the addition of other colors, as seen singly or massed. The Von Sions, the Ornatus, those grand Emperors and others—400 varieties in all—were exhibited at the Haarlem show. All should grow a few varieties of Narcissus in their gardens; the bulbs will stand neglect better than many other varieties; in fact, they could well be called the lazy man's flower. Let us make our home grounds beautiful by planting a few, but let us not be too negligent to give them due care simply because they will in so great measure take care of themselves.

I trust I have at least said enough to give you the desire at the coming of next Spring to start forth on your travels to the beautiful flower-decked fields that lie between Haarlem and Leiden as your objective point; if not, then it must be laid to the fault of my inadequate word painting.

I cannot describe the finest color picture the world has ever seen. Finest, because while not of nature's planning, it is revealed in her pure and true colors; she has created the living lines of flowers beside which the choicest painting of an artist's brush cannot be compared.

My descriptions and pictures may fall far short of the reality and fail to impress on your mind the full beauty of this fairy scene, but should you ever see these fields with your own eyes you will then realize the greatness of my task tonight, and it will then be within your comprehension that the theme is one to which no verbal description or lantern slide can do adequate justice.

A Great Show Bed of Cannas

At the establishment of Richard Vincent, Jr. & Sons Co., White Marsh, Md., was planted, in the beginning of the season, a great bed of Cannas, in size, 95 ft. square, and containing approximately 1700 plants. The intention of the planting was to bring all of the leading varieties into one focus, as it were, and so present a quick and simple method of comparison of the different varieties as to height, color, and size of truss, form, etc.

The diagram presented herewith will convey an idea as to the arrangement of the various beds which were planted in oblong squares and triangles on the outer margins. Access to the interior of the planting was obtained by a large grass covered path which formed a complete circle, in the center of which was one large circular bed, made up as follows: The outer circle was of Canna Richard Wallace, one row, followed by two rows of Alphonse Bouvier, then two rows of Florence Vaughan, succeeded by Louisiana in eight rows to the center.

Commencing to the right, just beyond the entrance, the varieties shown were as follows:

UNCLE SAM.—Orange, orange-red; tall.

VENUS.—Brilliant old rose effect; medium height. One of the very finest Cannas for contrast and entirely distinct from any other variety, with the possible exception of

HIAWATHA.—This is a modified Venus as to color, but deeper, and not nearly so effective; pink; bronze foliage; medium.

PATRIE.—The crimson blooms have a fascinating effect; medium.

GLADIATOR.—Yellow blotched deep red; medium. An improved Florence Vaughan. Tall.

KING HUMBERT.—A still deeper red than Patrie; really a deep orange-red; bronze foliage; tall.

BURBANK.—Canary yellow, lightly splashed with red; medium.

PENNSYLVANIA.—Intense orange-red. Tall.

EGANDALE.—One of the smaller flowering reds but carrying large trusses; bronze foliage. Medium.

LOUISIANA.—Large flowering vivid scarlet; very tall.

ROSEA GIGANTEA.—Deep rich rose-pink; giant petals and trusses; semi-dwarf.

BUTTERCUP.—Deep canary yellow; trusses are of good size bearing small petals and flowers; dwarf.

MME. CROZY.—The old favorite. Brilliant scarlet edged old gold, the same color running into the base of the petals; dwarf.

PRES. MYERS.—A true crimson; a sterling variety; bronze foliage; medium.

ALPHONSE BOUVIER.—Scarlet; another of the old standbys.

FLORENCE VAUGHAN.—Yellow ground splashed with red; similar to but smaller petaled than Gladiator; the latter an improvement; medium.

RICHARD WALLACE.—One of the nearest types to a pure yellow; semi-dwarf.

JEAN TISSOT.—Crimson-scarlet; medium.

WM. SAUNDERS.—Approaching the ideal deep red with notably large petals; bronze foliage. Blooms from June until frost. Medium.

J. D. EISELE.—Similar in color to A. Bouvier but with larger petals; dwarf.

QUEEN CHARLOTTE.—Red with pronounced wide gold band bordering edge of petals. Dwarf.

This completed the outer circle, with the exception of two great beds which flanked the entrance to right and left and which were planted with Egandale and Pres. Myers. The bed was bordered with Salvia Zurich on the side running parallel with the roadway.

The Florists' Exchange is the Best Advertising Medium, because it is the most widely read of all the Trade Papers.

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The Dahlia News

Mr. N. Allen Lindsey, publisher of the Marblehead Messenger, has consented to edit the Dahlia News, organ of the New England Dahlia Society, for the next few months.

Aphine

The Insecticide that Kills plant Lice of every Species.

Skilled Florists claim that one thorough spraying with Aphine will rid the house of an insect pest for a longer period than any other known insecticide.

Aphine may appear more expensive than some other remedies, but it is proving itself to be the cheapest.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, Brown and White Scale.

$2.50 per Gallon, $1.00 per quart.

Get it from your seedsmen, or write

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Crocker Building, San Francisco, California
Please mention the Exchange when writing.

Florists' Club of Washington, D. C.

A regular monthly meeting of the Florists' Club of Washington was held at F. H. Kramer's store on Tuesday evening, October 4. The store was beautifully lighted, and decorated for the occasion. The conservatory was tastefully arranged, all the plants being set along the side and chairs placed. A mass of foliage covered the sides and the ceiling, and Japanese lanterns, lighted with electric light, created a fine effect. The background was a bower of Palms and Ferns, and American flags were conspicuous. After business was concluded Prof. Carl rendered a number of selections on the piano. Mrs. John Naecker was the star of the evening and kept things lively with her uptodate songs and melodies. Mrs. Milton also contributed to the entertainment, and Miss Baby Edith Browne, Washington's juvenile prima donna gave popular songs and dances. Mr. Kramer danced several of his clog dances that met with applause. The ladies were presented with handsome bunches of Roses. Refreshments were served freely and everyhody had a grand time; it was well into the early morning hours before the guests departed for their homes.

J. L. T.

Catalogs Received

D. W. BABCOCK, Berlin, Md.—Trade List of Deciduous Trees, Perennials, etc.

LEVAVASSEUR & SONS, Orleans and Ussy, France.—Abridged Trade List for 1910-1911.

WILLIS S. PINO, Providence, R. I.—Descriptive 1910 List of Bulbs for Fall Planting, also including Flower Seeds, Florists' Supplies, Tools and Requisites, etc.

W. ATLEE BURPEE & CO., Philadelphia.—Choice Sweet Peas for 1911. In this advance circular we find descriptions and illustrations of new Sweet Peas Ethel Roosevelt, Florence Nightingale and Rose du Barri, with further descriptions and illustrations of the leading sorts of previous years' introductions.

PERRY'S HARDY PLANT FARM, Enfield, Middx., Eng.—Autumn 1910 Catalog of Bulbs and Tubers, with selection of Choice Perennials for General Decoration; also supplementary Catalog of Iris, in which is also included list of names of varieties of the newer introductions. Also List No. 119 of Delphiniums, including the later novelties.

STAMFORD, CONN.—The trustee in bankruptcy of the estate of tbe Fernwood Nursery has applied to the court for permission to continue the business of the concern, and a hearing upon the application will be held before John W. Banks, referee, at his office, 715 Security Bldg., 1115 Main st., Bridgeport, Conn., on Oct. 15, at 10 a.m.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.
PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

PRINCESS OF WALES
Violet Plants

Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

Asparagus Plumosus Nanus

2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES
29 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

TEN THOUSAND
Violet Plants

Healthy, Field-Grown Plants LA FRANCE, $5.00 per 100, $45.00 per 1000. Also 2000 FARQUHAR, $5.00 per 100, $45.00 per 1000 or $80.00 for the 2000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

VIOLETS—VIOLETS

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $45.00 per 1000.
Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAINS N. Y.

Please mention the Exchange when writing.

VIOLET PLANTS

Field-Grown Clumps of Gov. Herrick at $6.00 per 100; $50.00 per 1000. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK
Florist and Nurseryman, HIGHTSTOWN, N. J

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

White Marsh, Md.

The posts are in position for another large addition to the Vincent range; the new greenhouse will be 250x70 ft. and built parallel with the addition made last Fall and Winter, which is also of equal size. When completed the two structures will be made into one. Another No. 12 Furman boiler has been ordered for the new building.

Active preparations are being made to propagate sufficient Geraniums, one of the great specialties of the firm, to meet the ever increasing demand; 350,000 two-inch were piled on a bench waiting to be filled with cuttings.

Decidedly an Exceptional Character

While on the grounds we had the pleasure of an introduction to Geo. B. Sterling, an employee of the Vincents for thirty-four years. Sterling it was who turned up the first sod on this farm, then an absolute wilderness of trees and swamp. Six years ago he came to Mr. Vincent and informed that gentleman that he had reached a period when he felt he could no longer earn the weekly wage which was being paid him and so intended to quit. Certainly, Mr. Sterling is a shining example among men. Mr. Vincent sold him sixteen acres of ground which he cultivates unassisted; he informed the writer that he was comfortable and happy and had all he wanted.

Baltimore

The next meeting of the Gardeners and Florists' Club will be known as Ladies' Night, and it is expected a good turnout will be there. Richard Vincent, Jr., will give his lecture on his trip to Europe with views; all members are urged to be present as this will surely be an interesting feature.

August Eberhardt, West Baltimore st., is handling in the city markets about 35 cases of Dahlias; he is, no doubt, the largest dealer in these blooms.

Peter Eberhardt, Catonsville, is sending into Lexington market the choicest Dahlias, and they sell well; the writer was amazed to see the way Mr. E.'s wife handled the rush business.

One of the wagons hauling the visitors from Vincent's Dahlia show last Wednesday met with an accident on the way to the railroad station. An automobile came along the road and one of the mules became unmanageable and upset the wagon, throwing the occupants out. They got a good shaking up but no one was found to be seriously hurt. Mr. and Mrs. James Glass of Erdman ave. were among the party. The Vincent show was the best ever held, both as to exhibits and attendance. The Wednesday and Thursday crowd was a record breaker. The writer was again a visitor on Thursday and found some of the growers there.

George Tauth, Woodlawn, Md., reports he will run his range of houses on a more extensive basis than before; they have been thoroughly overhauled and a new boiler installed. Mr. Tauth intends to grow choice cut flowers and bulbous stock. His son, Edward, runs a retail store on Pennsylvania ave. which has been a success for years; he is one of the energetic young men of the business.

From indications Albert Fiedler will have another catchy window display Halowe'en Day. He is now hunting up the necessary material to be used; it is likely many Mock Oranges will be employed.

Charles Wagner, foreman for James Hamilton, Mt. Washington, has charge of the trimming of Charles Fox's trees. Mr. Fox is one of the oldest florists in Baltimore and is still conducting a store at Dolphin and Bolton sts. Some few months ago the old greenhouse was torn down and a handsome store and dwelling are now being erected.

State of the Market

Business last week was as good as could be expected; the severe drought is held responsible. We really have not had a good rain since June 28 last, only occasionally a few showers that simply ran off the ground. Prayers are now being offered in the churches for rain. Every means of saving the water is being employed; the street pumps are turned off and drinking water for stock is obtainable only at the stables; the people are urged to be careful in using the water. It will be hard to say what will be the outcome with the grower as they must have water; many have no facilities to get it for their growing stock outside of that to be had from the country and city water supply. Some growers in the country who have wells are watching them closely and it is reported that a number have run dry. The prophecy given out by the Weather Bureau last Saturday was "continued fair weather." The Water Department last Saturday gave the total number of gallons in supply as 491,000,000 gallons as against the normal reserve of 1,500,000,000 gallons. Baltimore uses about 75,000,000 gallons a day. It can readily be seen that only through rain is relief to be looked for. Lawns and flower beds are showing the effects of the drought. However, everybody seems happy and business is still going on.

Funeral work has been heavy; many fine costly pieces of work have been executed; store decorations were few.

Good stock is still scarce. Dahlias are a fair crop; however, much inferior stock is thrown on the market. Asters are nearly done for and there are few Cosmos. Roses are steady. Callas are slow in coming in. Carnations are a little scarce yet. Chrysanthemums are steady and find a ready sale. Tuberoses are slackening up in supply; Lily of the Valley can now be had. Ferns seem to be plentiful; greens of nearly all kinds are in supply.

J. L. T.

Cost is measured by the results obtained and in no other way

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Gigantea	3.00
VINCA var., from field	4.00

Cash. Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Detroit

A very busy week has passed and some of the new stores have entered business life—and may they be successful!

Schroeder's decoration at Newcombs called for 400 Palms, 300 Ferns of all sizes, 60 fancy baskets and 2000 Roses, mostly American Beauty and some Richmond. All the Roses came from Chicago, and, to the great satisfaction of Mr. Schroeder, every bud developed fine.

Breitmeyers' decorations at J. L. Hudson's store, Detroit, and Thompson Hudson Co.'s, Toledo, O., again had that ring of seasonableness, demonstrating the fullness and bounty of glorious Fall. In Detroit, 16 large screens, 4x6 ft., made of rough lumber and bronzed with gold and copper mixed, were placed on the shelves, one between each column. Each of these screens was decorated with Corn, showing full reddish brown ears, clusters of Mountain Ash berries, and Berberis Thunbergii, also a cluster of 150 dark purple Asters. The large hanging clock in the middle of the store was converted into a wall clock, with weights of proportionate size made of Corn kernels, and a wreath of Corn cobs surrounding the clock. A very pretty imitation of Fall in the woods was created on a stairway leading to the basement. This bit of scenery was composed of two old tree stumps, Goldenrod, Cat-tails, purple Asters and cobwebs. In the Toledo store, cornucopias were used in clusters of three, standing 3 ft. high and spreading 6 ft. They were filled with Corn Tamarax, Cat-tails, Cockscomb, Marigolds, Zinnias and red Dahlias. The cornucopias were made of wire covered with canvass and painted with copper bronze.

Wm. Brown had a big plant decoration for the Elliot Co., and J. F. Sullivan, who is at present busy installing an $800 McCray icebox, did the decorating at Blackwell's.

The Michigan Cut Flower Exchange has increased its capital from $10,000 to $15,000.

PANSIES

150,000 Giant Prize Pansies
Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Pansy Seed

NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.
Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN
Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants

In Mixed and Separate Colors, $2.50 per 1000, $10.00 per 5000 lot. Fine, Stocky Plants. Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

Next week will bring some good work in the wedding line. Chrysanthemums are rather late this year and not many will be cut till about the 20th of the month.

FRANK DANZER.

AUCTION SALE

JAMES WEIR'S SONS, Florists

Retiring as Growers, have authorized us to call a sale, on the premises, Fifth Avenue and 67th Street, Brooklyn, N. Y., of the Real Estate, Stock and Good Will of the business, Wednesday, the 19th day of October, 1910, at 11 A. M. Real Estate offered first.

WM. ELLIOTT & SONS, Auctioneers,

W. J. ELLIOTT, Auctioneer **42 Vesey Street NEW YORK**

Please mention the Exchange when writing.

New Orleans

James A. Newsham, at the Magnolia Gardens, at the present time has a display of Cattleya Bowringiana of which it would be a hard matter to find the equal. It consists of hundreds of spikes of a strain of superior quality. Most of the flowers have a greater substance and the coloring is of greater variations than found in the ordinary type of C. Bowringiana. He also has some fine pieces of Cattleya labiata in flower and a few choice Cypripediums. Altogether, his Orchids are in prime condition.

While at the M. Cook's Son's establishment recently, the writer was shown a lot of double Tuberoses growing among the Mexican single Tuberose patch (which, by the way, is the only one worth growing here) to which the single had reverted. At the time the writer was rather sceptical, but Mr. Newsham has had the same experience with his; whereas a year ago he only had one or two, this year he finds many. Has any other grower of the single Mexican Tuberose had a like experience?

At the Doescher & Jones place, on Gentilly ave., this young hustling firm have managed to work up a large quantity of stock especially suitable to the southern climate. They have secured contracts for supplying many of the restaurants and other establishments that use plants which require the carrying of quite a large stock of Ferns and other decorative stock. They are also growers in a large way of Chrysanthemums, and at the present time their plantings of these are very promising.

Mrs. Francois Gruarz is now permanently located at her new stand at Washington and Carondelet sts., which she has remodeled and made to look spick and span. CRESCENT CITY.

Southern Notes

FT. MYERS, FLA., Sept. 24.—We of the North look upon Florida as a place of delightful resort, when our section is clad in snow and blizzards are abroad in the land, but a place of insufferable heat in Summer, and I confess that I regarded a business trip here in September as rather an uncomfortable proposition. I have been agreeably disappointed. To be sure, the mercury goes up to 90° occasionally, at midday, but in the three weeks I have been in the State I have experienced but two or three nights which were not cool; and N. E. Kirby, traveling for Peter Henderson & Co., whom I met at Plant City, near Tampa, told me that he had found a woolen blanket requisite to comfort one night this week. How does that strike you, who are sweltering in the torrid heat of New York?

Referring to your map you will note that Ft. Myers is the southern terminal of the Atlantic Coast Line of railroad on the Caloosahatchie River, which residents here call "the frost line," averring that frost never injures vegetation south of this river. But, alas! That frost line is illusive, for even at Miami, which is one degree farther south on the Atlantic Coast, frost occasionally catches the early Tomatoes.

These Florida towns are a surprise, so new, thriving and uptodate are they, and Ft. Meyers is one of the prettiest places in this country. On its main street, called "Millionaire's Row," are many fine houses, the yards covered with a velvety sod of St. Lucie Grass, and brilliant with Roses and plants seldom seen outside a greenhouse in the North. Araucarias fifty feet high, Grevillia thirty feet, Allamanda twenty feet, a mass of canary yellow and purple flowers. Bougainvilleas, Plumbago, Acalyphas, Pandanus, Oleanders, Crotons—great shrubs with stems three inches in diameter—Phyllanthus rosea in hedges, the delicate pink and white terminal leaves making a crown of beauty vying with the flowers, and flaming Hibiscus in pink and scarlet everywhere. Standing stately over this bewildering array are the Royal Palms, Eucalyptus, Tree Ferns, and Orange, Grape fruits and Guavas loaded with fruit.

And yet with such splendid floral possibilities all about, there are, almost, no florists. At Jacksonville a few Carnations and some bulbs are grown under glass. Outdoor Roses, while yielding passable blooms for design work are not suitable for bouquets or decorative uses, and most of the salable flowers are obtained from points farther North.

About Tampa, Ferns and the general line of green stock are grown under lath shelters. The florist in this latitude, while free from the burden of coal bills, has his limitations. In the northern part of the State the temperature varies so widely and so quickly that Winter forcing is more difficult than where steady cold weather prevails. Truck growing, especially in this southern part of the State, is a much more certain and profitable occupation, and with irrigation, which is now being introduced, and organization for the regulation of shipments, is being freed from the hazards which have in past years caused so much disappointment.

While there are millions of acres of land in this State which for present agricultural uses are not worth the annual tax of four cents per acre, there is also plenty of good land, accessible to transportation to be had at reasonable prices.

Land boomers are flooding the North with literature which truthfully represents the possibilities of the best land, while that which they are selling is, largely, flat Pine "sand soaked" land that will hardly sprout Cow Peas. Anyone contemplating making a living off the soil here should see what he is buying, and not only see but secure the advice of some one who is experienced and disinterested.

The growing of Oranges and other Citrus fruits north of the Manatee River is not without risk from frost, and the crop is not so profitable, one year with another, as vegetables. Perhaps, if you can devote the space, I will tell something of the conditions and methods of agriculture here in a future letter.

WILLIAM B. CLEVES.



Dreer's Aquatic Exhibit at Mass. Hort. Society's Show, Sept. 23, 1910

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

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Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Chrysanthemum Society of America

President Elmer D. Smith announces the appointment of committees to examine new Chrysanthemums for the ensuing year, as follows:

BOSTON.—Wm. Nicholson (chairman), James Wheeler, Alex Montgomery. Flowers shipped to Boston Flower Market, care John Walsh.

NEW YORK.—Eugene Dailledouze (chairman), Wm. Duckham. Flowers shipped to New York Cut Flower Co., 55 W. 26th st., care Eugene Dailledouze.

PHILADELPHIA.—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Flowers shipped to chairman, 1514 Chestnut st.

CINCINNATI.—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Flowers shipped to chairman, Jabez Elliott Flower Market, care of janitor.

CHICAGO.—J. B. Deamud (chairman), Geo. Asmus, W. H. Kidwell. Flowers shipped to J. B. Deamud, 51 Wabash ave.

Flowers to arrive at 2 p.m. on day of examination. Exhibits to receive attention from the committees must be prepaid to destination, and an entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character.

Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday throughout October and November, the dates of which will be Oct. 8, 15, 22, 29; Nov. 5, 12, 19, 26.

The third member of the New York committee will be announced later.

Morgan Park, Ill. CHAS. W. JOHNSON, Sec'y.

THE CANNA AS A WINTER-BLOOMER.—Many varieties of Cannas furnish good material for vases, but their use is short-lived, as the Canna flowers late. A German gardener prolongs his season by the following method: When the first frost is threatening, he takes plants full of unopened buds out of the beds, pots them, and places them in a very light temperate house. The plants get all the air possible, but are carefully protected from humidity and dropping water. This gardener has thus Cannas in flower until late into the Winter, which he uses partly as decorative plants and partly for cutting. His plan offers a hint to florists how to add a salable article to their stock. Better results might be even obtained if the plants intended for Winter work were retarded in the Spring, so as not to bloom at all outside, but to keep all their flowers for the bothouse.—*Bindekunst.*

A Dahlia Edition

For our issue of Oct. 15 we are promised a number of papers from specialists on the Dahlia to date; these, with the illustrations we have procured for the purpose, should make this an exceedingly valuable reference to the many thousands who grow and sell this popular Fall flower.

English Horticultural Notes

Transatlantic Trade

Our daily newspapers have been telling us that Americans who remain in America and spend their holidays at American seaside resorts are pointing with some amount of vexation to their numerous fellow countrymen who come to Europe, the British Islands especially, and spend several millions of dollars each year in our midst. Well, it is perfectly true. London appears at times to contain more American and French people than English, and all our leading tailors make a point of advertising the fact that they are prepared with all the latest New York fashions as to the cut of men's coat and trousers, and can suit any American taste. I suppose, too, that our prices in Free Trade England are remarkably cheap. But the wealthy Americans also spend heaps of money on flowers and even on stock for their gardens on your own side. Mr. Valentine, manager of Messrs. T. S. Ware's nursery at Feltham, Middlesex, told me he had booked a £20 order in five minutes from a wealthy American lady, who wanted a selection of the finest of Ware's double Begonias. Whether they will succeed in her home garden remains to be seen. Others have told me that their trade with America keeps on growing. And American millionaires are continually taking up English estates on lease.

Shrewsbury and Edinburgh

At Shrewsbury I met a representative of The Florists' Exchange in the person of W. H. Waite of New York. As an old companion of sixteen or seventeen years ago, when we were together at classes in Edinburgh, I was glad to meet him, though only for a mere handshake in the hurry and rush of reporting such a big show. Friend Waite was not looking so well, but I hope he may have benefited from his holiday. He was accompanied by another Scoto-American, a Mr. Mackenzie. Your old Scottish readers, though now so long naturalized in the United States, will be glad to know that the Edinboro show in the early part of September was really magnificent, many of the great English nurserymen sending up exhibits, showing that Scottish gardening is very much alive.

Carnations

After the Shrewsbury show I had a tour in the west of England, visiting Ledbury, Gloucester, Cheltenham, Cirencester, Evesham, Birmingham and elsewhere. At Cirencester I went to Messrs. Cypher's, a famous Orchid and plant nursery, and had just time for a cab journey out to Hatherley, where Young & Co. grow immense quantities of American Carnations for retail and wholesale trade. Their houses are of good size and their stock clean and healthy. The American novelties are all tried. The floor of the houses is covered with a layer of ballast (burnt earth), which is also used for crocking the pots, and the plants enjoy this.

A Hardy Plant Society

A society has been formed, or half-formed (?), for the promotion of the cultivation of hardy border plants and their improvement. When I say that Gladioli, Delphiniums, Phloxes, Pentstemons, Pansies, Michaelmas Daisies (Asters), and the whole gamut of hardy plants are to be under the ægis of the Society, your readers will conclude that the promoters are not lacking in courage, at all events.

National Vegetable Society

This new Society has run for one year, and is prospering. It has only 123 members, but has £110 balance, and has arranged a great exhibition which will be held ere these notes are published. The Society is holding trials of vegetables at The Times (newspaper) Experimental Grounds, Guildford, Surrey. (Has any American newspaper a trial ground of its own?) Reports of the Cabbage and Onion trials have been published, and the Society has won the confidence of the trade over here. A trial of Cauliflowers is being made, and of Peas and Beets next year. We should be glad to hear from American seedsmen. The secretary is Mr. Quick, Kelmscott, Harrowweald, Middlesex.

New Editor of The Garden

E. T. Cook, who has been editor of The Garden for the last ten or twelve years, having relinquished that position, is succeeded by F. W. Harvey, for several years his assistant.

A Blue Nemesia

Messrs. Sutton & Sons, Reading, who introduced these South African annuals to commerce, believe they have at last secured stock of a blue variety. They are selecting their Nemesias rigidly, so as to be able to offer the varieties apart, true to color. They are gorgeous dwarf annuals, loving heat and dryness.

Yellow Gladioli

I see that several of Groff's yellow hybrids are being shown over here. Your "America" (rose pink), is also shown in quantity at the exhibitions, and there is a great interest in these stately flowers. Messrs. Kelway (Langhurst) have staged grand lots; also Burrell (Cambridge), and the Scotch firm, Mair & Son, Prestwick, Ayrshire. No one has done better in the competitions than the latter firm. The following have been certificated in London: Europa (W. Pfitzer, Stuttgart, Germany), probably the finest white variety extant. Gräfin Degenfeld (W. Pfitzer), pale primrose yellow. Karl Luz (W. Pfitzer), crimson maroon. Primulinus (Kelway & Son, Langport), a lovely soft yellow. Safrano (M. Lemoine, Paris), yellow buff, edges stained crimson. La Luna (Barr, Covent Garden, London), cream, colored, flushed with crimson and rose. Rathline (Mr. Bull, Ramsgate), cream colored, the lower petals yellow, flushed crimson. Delicata and Snowdon were certificated at the Shrewsbury show, shown by Messrs. Kelway.

A New Hardy Plant

I think I ought to call attention to a new plant (one of Wilson's, from China), that has already taken a foremost position. This is Artemisia lactiflora. Two years ago, or more, I saw it in full flower at Kew, in November; and it blooms from Midsummer. The habit is upright and branching, and the deep terminal panicles of milky-white, "beady" flowers are gracefully effective.

Dracæna Bruanti variegata

Messrs. Cutbush of Highgate, London, N., have a large stock of this rather hardy, cool house Dracæna. The leaves are broad and finely golden variegated. A neat decorative plant for rooms.

Roses

The seventh Autumn show of the National Rose Society was held on Sept. 13, and was a great success. I name the new Roses hereunder, but would furnish some selections, first, which might prove interesting to some of your readers. Thus, in Class 2, for 36 bunches of "decorative" Roses, the following were staged: Mme. Jules Gravereaux, La Tosca, Mme. Constant Soupert, Mme. Jean Dupuy, Rhea Reid, Pharisäer, W. R. Smith (large cream colored), Gottfried Keller, Mme. Melanie Soupert, Mrs. R. Sharman Crawford, Hon. Edith Gifford, Mme. Abel Chatenay, Mons. Jos. Hill (golden salmon primrose), Ben Cant, Lyon Rose, Marie Van Houtte, J. B. Clark, Bessie Brown, Hugh Dickson, Corallina, Mme. Antoine Mari, White Maman Cochet, Lady Ashtown, Earl of Warwick, Auguste Comte, C. J. Grahame, Yvonne Vacherot, Mrs. J. Laing, Kaiserin Augusta Victoria, Ulrich Brunner, Dean Hole, Frau Karl Druschki, Caroline Testout, Lady Roberts, and Countess of Gosford. Messrs. Frank Cant & Co., Colchester, had excellent examples of Perle Von Godesberg, La Tosca, White Maman Cochet, Harry Kirk, Mons. Joseph Hill, Mme. Leon Pain, Lyon Rose, Mrs. Cutbush, and Antoine Rivoire.

For twelve varieties of exhibition Roses in vases, seven blooms of each (space occupied by exhibit not to exceed 6 ft. by 3 ft.) Messrs. Cocker & Sons led with a remarkably fine collection, beautifully staged. The varieties were Frau K. Druschki, Auguste Rigotard, Mrs. W. J. Grant, Capt. Hayward, Caroline Testout, Mme. M. Soupert, Alfred Colomb, Lyon, Mrs. J. Laing, Gustave Grunerwald, Mrs. D. McKee, and Hugh Dickson. Second out of four lots, Mr. Hugh Dickson, Royal Nurseries, Belfast, with fine examples of Leslie Holland, Miss Cynthia Forde, Hugh Dickson, Harry Kirk, and Countess of Shaftesbury.

Decorative Roses were also shown in a class for 24 varieties, in which were the following: Ma Capucine, Mme. Antoine Mari, Le Progrès, Dorothy Page Roberts (sweet color), Marie Van Houtte, Trier, Teresa Bevan, Mme. Jules Grolez, Schneewitchen, Lady Battersea, Gottfried Keller, La Tosca, Liberty, W. A. Richardson, Allister Stella Gray, Irish Elegance, Simplicity, Sulphurea, Mme. Paul Lede, Edu Meyer, Mme. Jean Dupuy, and Mme. Abel Chatenay, Leonie Lamesch, Betty, Corallina, Gustave Regis (the foliage rather mildewed), Perle d'Or, Rosalind and Irish Glory.

Dwarf Polyantha, or Pompon Roses.—Class 9, twelve varieties, six trusses of each, shown in vases. John Mattock first, with bright bunches of Perle des Rouges, Schneewitchen, Leonie Lamesch, Aënnchen Muller, Perle d'Or, Phyllis, Marie Pavic, Mrs. Cutbush, Cecile Brunner, Engénie Lamesch, Katherine Zeimet, and Canarienvogel (larger and deeper yellow than Eugénie Lamesch). Second, Frank Cant & Co., with Frau Cecilie Walter, Mme. Levavasseur, Mrs. Cutbush. Third, out of six, Geo. Prince, with Lady Violet Henderson (white), Marie Pavic, and others. Jessie was well shown by Messrs. Bide & Son.

Certificates and medals were awarded to new Roses, as follows: Mrs. Foley Hobbs, H. T., creamy rose (gold medal), from Alex. Dickson & Sons, Newtonards, Ireland; Mrs. Herbert Stevens, H. T., lemon white (gold medal), McGredy, Portadown, Ireland; Dorothy Ratcliffe, like the Lyon Rose, but richer (silver-gilt medal), McGredy; Marchioness of Waterford, H. T., silvery pink (silver-gilt medal), from Hugh Dickson, Belfast; Mrs. Chas. E. Allan, H. T., warm creamy flesh (silver-gilt medal), from Hugh Dickson.



Richard Diener and His Five-inch Carnation

Dahlias

The National Dahlia Society has held its two annual exhibitions—an early and a late show. They were both good, the season having suited the plants. The Cactus novelties from Stredwick & Son, St. Leonard, show a further advance toward a spidery-petaled, incurving type, and some of these new varieties, though graceful enough, look terribly flimsy. A notable feature, however, of the Society's work is the recognition now being given to good strong, upright Cactus Dahlias suitable for garden decoration and for cutting—flowers that have stiff stems and are held above the foliage. The Singles and Pæony-flowered kinds are also prominent, some very bright things being among the latter. A trial of single Dahlias has been conducted (in the nurseries of Cheal & Sons, Crawley), and the following were best, as to habit, growth, flowering and color, and received the necessary marks: Amy, Butterfly, Bountiful, Cardinal, Columbus, Fuji San, Kitty, Lady Bountiful, Leslie Seale, Mrs. Joynson Hicks, Mrs. W. Hood, Miss Morland, Miss Roberts, Morning Glow, Owen Thomas, Peggy, Rosy Gem, Rosebank Scarlet, Snowdrop, Vesuvius and Winona.

After the next committee meeting I shall send you a complete table of this year's certificated novelties in all sections.

Death of Max Leichtlin

The late Herr Max Leichtlin of Baden-Baden made a great name as an introducer, breeder, selector and cultivator of hardy plants during his lifetime. He was born at Carlsruhe, Baden, on Oct. 20, 1831. In his fifteenth year he went as apprentice gardener, afterwards holding situations at Frankfort, Rolweiller, and Ghent, including Van Houtte's. He traveled in South America and spent a few months also in Ireland, then about 1858 he went into business with his two elder brothers, retiring at the end of sixteen years to Baden-Baden, where he formed a small private botanical garden. His name soon became known wherever hardy plants were valued. He made himself famous in connection with Liliums so early as 1866, but afterwards gave these up in favor of Irises and miscellaneous bulbs. He made a visit in 1874, however, to Montenegro to collect Lilium Martagon. In later years he hybridized and cross-bred Aubretias, Nerines, and Primulas. He was the introducer of Ostrowskia magnifica, and Meconopsis aculeata. Erythronium Hendersoni, Allium giganteum, Calochortus Leichtlini, Tulipa Leichtlini, Tritoma Leichtlini, all tell of his work, and many species of Eremuri, Crocus iridiflorus major, C. biflorus Leichtlini, Tecophylæa cyanocrocus, Arnebias, Colchicum Sibthorpianum, are all the result of his work and research. His name will always be remembered wherever hardy flowers are cultivated with love and knowledge. He was the first German grower to receive the Large Gold Medal for meritorious work in horticulture, and also held the Veitch Memorial Medal. Russia likewise honored him with decorations. At the large expositions on the continent his exhibits of novelties were always among the most admired.

Chrysanthemums

The season has just opened, but already the following have received cards: Hollicot White and Hollicot Yellow, each from W. Roots, Cranford, Middlesex, grand white and yellow respectively, blooms (disbudded) are large, full, and attractive. Those hereunder are from Wells of Merstham, for whom C. H. Totty of Madison, N. J., is the American agent: Miss Balfour Melville, an attractive variety, good in sprays or disbudded; best described as golden bronze; first-class certificate. Francis, a good border variety; bronze with gold tips. (Commended.) Orion, a very promising variety; gold, suffused chestnut; a good large flower with plenty of substance. (Commended.) Tourraine, a large blush pink variety; first rate for border cultivation. (Commended.)

J. HARRISON DICK.

A Five Inch Carnation

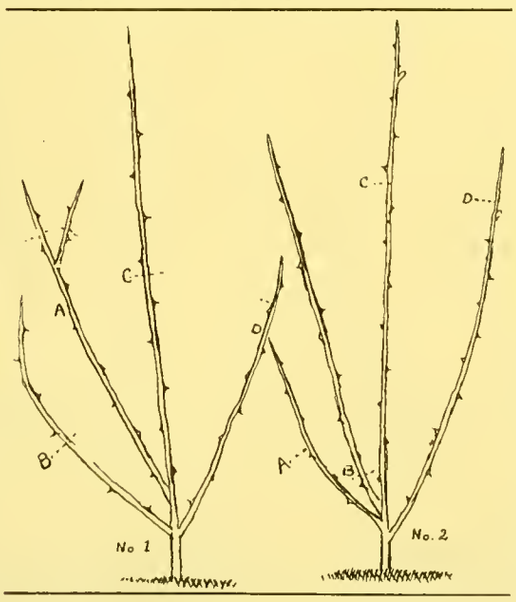
Our illustration is of a Carnation originated by Richard Diener of Colma, San Mateo County, Cal., a gardener at the Home of Peace Cemetery there. It is stated to be 5⅛ in. in diam. on a stem 3 ft. 3 in. long and as thick as a lead pencil. Another picture was also received showing the new bloom and the variety from which it emanated; the former is nearly twice the size of the latter. This mammoth Carnation is said to be a seedling of Enchantress Prosperity; it was grown outdoors. It is carried on a strong, straight and wiry stem resembling a young bamboo shoot; the calyx does not split and the flower, which is white, occasionally marked with fine red stripes, has a good fragrance.

Mr. Diener has received a silver cup from the Pacific Coast Hort. Society for his Geranium Dr. Lincoln Cothran, pictured in these columns some months ago. He is specializing in the production of new varieties of Carnations, Geraniums and Dahlias, and is reputed to have originated some good things in all three. Locally, Mr. Diener possesses quite a reputation as a hybridizer; we trust in due time some of his originations will make their way East for trial.

Roses—Pruning and Treatment for Mildew

Pruning Indoor Plants

We are trying to profit from the instructions in the EXCHANGE, but need some advice as to trimming Roses. Say plant No. 1, grafted Bridesmaid, planted in bench middle of July. We pinched out all buds just when they began to show color. It now has four shoots—*a*, *b*, *c* and *d*; *a* ran up 15 inches and had bud, and when this was pinched out the two upper eyes ran out shoots 10 to 12 inches long and had buds which have just been pinched out. The first main stem has good eyes down near the plant but none higher, and none on the two shoots; *b* and *c* are similar to *a* but not as strong, and did not grow as long; *d* is a strong shoot from near graft, 17 inches long with a tiny bud at the end; from three top leaves shoots ¼ to ½ inch long have put out.



Say Plant No. 2, an own root Bridesmaid, planted about a month later. The original plant formed three branches, *a*, *b* and *c*, *a* first and short, *b* next, breaking frequently but shoots short and buds small; now has no more eyes; *c* is now 19 inches long, bud twice as large as pea, upper two eyes have small shoots, lower eyes look well but small; now has independent shoot from roots, 20 inches long, bud size of pea, eyes similar to *c*.

Have we treated these right as to trimming, and how shall we continue. We think several of these shoots should be cut back to two or three eyes.—W. N. C.

—It is probable that the plants look something like the sketch herewith. They might be cut as marked, but avoid any check by taking off too much foliage at one time, as the plants need the leaves to help the root action. When flowers are cut away, that is all the trimming needed, especially when the plants are small. As to plant No. 1, in sketch, little pruning is required; *b* and *c* might be shortened about half way; *a* and *d* might be allowed to develop flowers, which could be cut off with rather short stems and used, but do not trim off all at once.

In plant No. 2, take out *b* entirely. Shorten *a* about half way, and take one-third off *c*. Take only a little off *d*, down to a good eye. Do not cut off all at once; use judgment as to what to take off first.

Mildew

As to mildew. In the middle of the day our temperature runs up to 100° and 110°, with top ventilators wide open. If we leave the doors open there is a slight breeze in the house, enough to slightly rustle the leaves. Ventilators are left wide open at night. The temperature about, sundown is 82°, an hour later 76°, and during the night from 65° to 70°. There is no breeze in the house at night, but by holding the hand over benches below the ventilators one can feel the cool air coming in. Beds are kept well moist and growth is rapid. We seldom spray, and are not troubled with red spider. We had very little mildew all Summer, but this week it is pretty bad. During the last four days we have picked off leaves from about three hundred plants, sufficient to lightly fill a peck measure; these were not curled but had spots of powdery mildew on them. We thought mildew during Summer was caused by several cracks, and broken glass, but after fixing these it has seemed to get worse. We think this last attack was caused by leaving the doors open last week when we have a strong cool wind, but when doors were shut the sun made the house very hot. Please give advice.

—Instructions regarding mildew, like other points in Rose growing, must at times seem paradoxical. Roses must have lots of fresh air, but will not stand cold draughts. One hundred to one hundred and ten degrees is pretty hot, and a drop of thirty-five to forty degrees with the night air heating down is a great change from the heat of the day. Opening the doors in the hottest part of the day would do no harm if they were closed again at the proper time. We reduce our air every night, even in the hottest weather, closing the side ventilators almost tight and the top ones about half way, so that the cool night air does not beat in on the plants, as this will cause mildew. A house with a few broken squares of glass might be free from mildew, while after being made tight it might become badly infected if not properly ventilated, or because the mildew spores were in the house all the time and would develop in any case unless measures were taken to suppress it. Reduce the air every night. If your climate is too warm yet for fire heat, dust dry sulphur on the affected plants and let it remain on them for a few days. When you syringe, do so early in the morning so that the house will dry off before night, and spray from above to beat off all the white powder, so that it cannot fly around and infect other places. Use steam heat in the pipes every night if you can. Paint sulphur on one or two pipes, and, if possible, close the house for several hours during the coldest part of the night, so that you can fill it with the sulphur fumes to the extent that they can be seen like a light fog in the house. Pick off the leaves with the white powder as fast as they develop, and burn them to stop the spread of the disease. When the whole house is bad it is too late to do this. This powder may be carried on the hands or clothing from one house to another, so care must be used after working among it.

E. H.

New American Sweet Peas for 1911

In an advanced list just received from W. Atlee Burpee & Co., Philadelphia, we find the following new varieties described:

ETUEL ROOSEVELT.—A true waved variety of the largest and most perfect Spencer type. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of blush crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish groundwork. It is of strong, robust growth and extremely free flowering, the flowers being of largest size.

FLORENCE NIGHTINGALE.—This will be found fully described and illustrated on page 644 of this issue.

ROSE DU BARRI.—This is a new grandiflora and affords an entirely new shade in Sweet Peas, the color being a lovely combination of deep, rich carmine rose and orange. While not of Spencer form or size, yet it is slightly waved and for boutonnières or table decorations it is described as being really a gem. The plants are of strong, vigorous growth and wonderfully profuse in bloom. A leading English expert describes it as follows: "It is unique and distinct, a charming flower of deep rose color, overlaid with a lovely sheen of terra cotta. Foliage and habit very dark green. One of the best decorative Peas ever introduced. For artificial light it is unsurpassed."

Railroad Station Gardening

I believe I have seen it mentioned that some of the American railroad companies encourage gardening among their station staffs. Several companies on this side offer prizes for the best kept stations, but this season the London Northwestern Co. went one better and held a special show, open to their employees only. The schedule included 5 classes for pot plants, 21 for cut flowers, 22 for vegetables, besides several for odd lines from honey to home-made bread. The show was a great success, the competition being very keen. The affair was held in a marquee near London, but the exhibits came from all parts, wherever the railways co.'s service extended. There is a Southern Division Society, made up entirely by workers on the line between London and Stafford, which does all possible to encourage gardening among the employees. Needless to say, the garden bedecked railway stations are much appreciated by travelers.

T. A. W.

Trial Grounds of the Henry F. Michell Co., at Andalusia, Pa.

The Andalusia of the gazetteer is a district in Spain, but the Andalusia which the representative of the EXCHANGE visited, under the guidance of Frederick J. Michell Jr., on Tuesday afternoon, Sept. 27, is not one of the divisions of the effete old world monarchy, but a quiet little farming town of Pennsylvania, situated on the New York division of the Pennsylvania Railroad, 14 miles from the City of Brotherly Love.

Near the station is the twenty-two acre trial farm of the Henry F. Michell Co., 518 and 1018 Market st., Philadelphia. This farm is bounded on one side by the railroad, on the opposite side by the Bristol pike, on a third by Andalusia Lane, and on the other by an adjoining farm. Thus the twenty-two acres of level, strong, clay land lie in one rectangular plot. These trial grounds are in their incipiency, and as far as the real trials of seeds are concerned this is practically the first year.

A substantial dwelling house of a pleasing style of architecture, and a roomy stable have been built. A greenhouse 60 by 20 ft. has already been erected, with all modern equipment, and another of like size will be erected immediately. A shed runs across one end of these greenhouses and is used for packing and for storing pots; and at one end of this is a roomy, well-furnished office. In addition to these, a two-story building, 35 by 100 ft., will be built this Autumn, the lower story of which will be used for cold storage. A windmill and gasoline engine pump the water supply. The grounds are also supplied with pipe heated hotbeds and coldframes; 300 to 400 sash are now being added to this outside equipment.

Manson Roberts, the able and courteous manager of the Michell trial grounds says that in his trials this year of seeds he took the Henry F. Michell Co.'s seed catalog and tried every seed listed in it, from A to Z. For a first year's trial on an unworked farm the results are very successful, indeed would be considered a success anywhere and under any conditions.

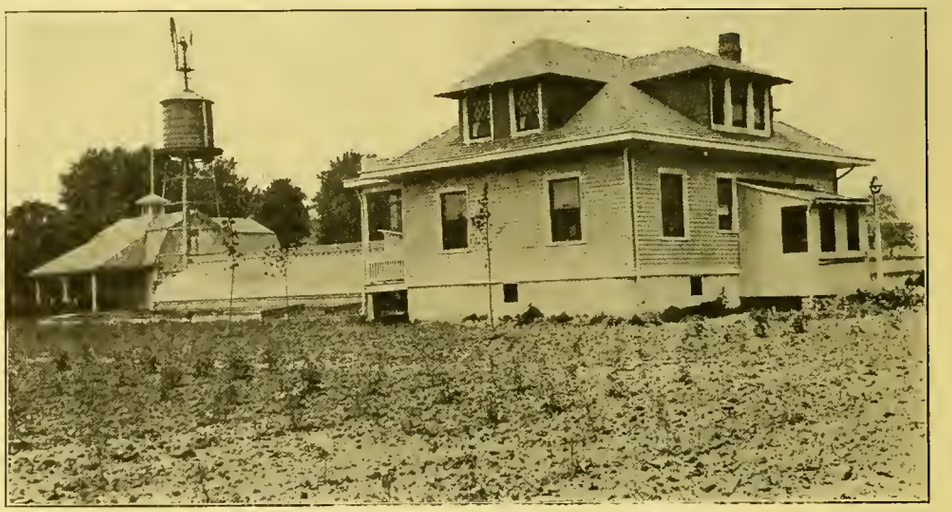
Among the flower seed trials, which are very numerous, especially notable are the large trial plots of Salvias, covering at least two acres. The Salvia plants are now covered with bloom and present an exceedingly beautiful and attractive sight. Among the varieties tried are King of Carpets, a very dwarf variety; Bonfire, one of the more recent introductions; and the old favorite S. splendens. In the Petunia tests a large percentage of double blooming plants was obtained, many of them of very pleasing colors. The blocks of single Petunias now in bloom are certainly of very choice varieties. A plot of African Marigolds, with their wide range of yellow shades, is now covered with blooms, and looks like a sea of gold. The blooms on the Ageratum present a pleasing sight and seem to be, as it were, a reflection of the color of the blue sky above. The plume varieties of the Celosia, covering a wide range of shades of yellow, pink, and crimson, show that they are from a very desirable strain of seed. Of the flowering plants produced from the seeds there are very many others of the annuals, and in the hardy herbaceous plants which will bloom next season, there is a long list of varieties.

Among the many hardy herbaceous plants were particularly noted Phlox, Coreopsis, Clematis, Lychnis, Gaillardias, Rudbeckias, and Hollyhocks. These are only a few of the many varieties, 100,000 of which will be potted up and put in the frames this Autumn, for next Spring's sales.

Before leaving the flowering section of plants, mention should be made of the field of Cannas, among which, especially attractive, were King Humbert, and Mrs. Wallace; and it should also be noted that many thousands of Pansy plants from Michell's Giant Exhibition Strain of seeds are now being placed in the coldframes.

The tests of vegetable seeds also have been very full and exhaustive, and in these tests, as well as in the flower seed tests, the results have been very satisfactory. Among these tests may be mentioned one of many varieties of Tomatoes, large, smooth fruits of which may now be seen. Carrots, Peppers, Cabbages, Lettuce, Melons, Squash, Pumpkins, Turnips, in short the whole line of vegetable seeds have been tested, and that, too, not in small plots, but in large field blocks and under only ordinary good culture, so that some reliable data is obtained as to germination of seeds and desirability of a variety tested.

It was especially noticed that the Asparagus and Rhubarb plants from Spring-sown seeds have made a remarkable growth. California Privet, the cuttings of which Mr. Roberts set in open field this last Spring, have already grown into strong branching plants 18 in. to 24 in. high.



Manager's Residence, Greenhouse and Stable at Michell's Trial Grounds at Andalusia, Pa.

In the tests of field seeds may be mentioned particularly those of Beans, Sugar Corn, Field Corn, Sugar Cane, and Broom Corn. Not showy, but very instructive is the test of forty varieties of Grass seeds, in forty blocks side by side; among these, very conspicuous was Michell's Evergreen Lawn Grass seeds, easily distinguished from the others.

The greenhouse is used for the testing of the more delicate seeds, and for propagation by cuttings. At present, several thousand cuttings of Dahlias, hardy 'Mums, Lonicera, and Ivies are in the benches, and several hundreds of Cycas revoluta under and on the benches.

After going carefully over the Michell trial farm, a disinterested visitor cannot help but think that as much progress has been made here in one or two years as under the conditions and knowledge of a quarter of a century ago would have been made in many years.

National Cemetery, Gettysburg

The National Cemetery, Gettysburg, contains but a few acres, and the graves of those of the Union troops who fell in the battle occupy a good part of it, so that little space only is left for trees and shrubs; but as what are there are mostly very fine specimens, a list of them will be interesting. On entering from the Baltimore Pike the first things to attract a lover of good evergreens are some exceedingly healthy specimens of Retinispora sqnarrosa. They are about 8 ft. high by as many broad, and as perfect as one could wish to see, and such as one rarely does see in this tree. The commoner one, R. plumosa, nearby, is also of much beauty, because of its luxuriant growth and its symmetry.

Abies Pinsapo, 35 ft.; A. Nordmanniana, 40x16 ft.; and A. Cilicica, 25 ft., were all of fine proportions.

Hemlock Spruce seemed at home on the rocky eminence, there being some beauties 60 by 40 ft. American Arborvitæs were finer than often seen, being some 20 ft. high, with a spread at the ground of 24 ft.

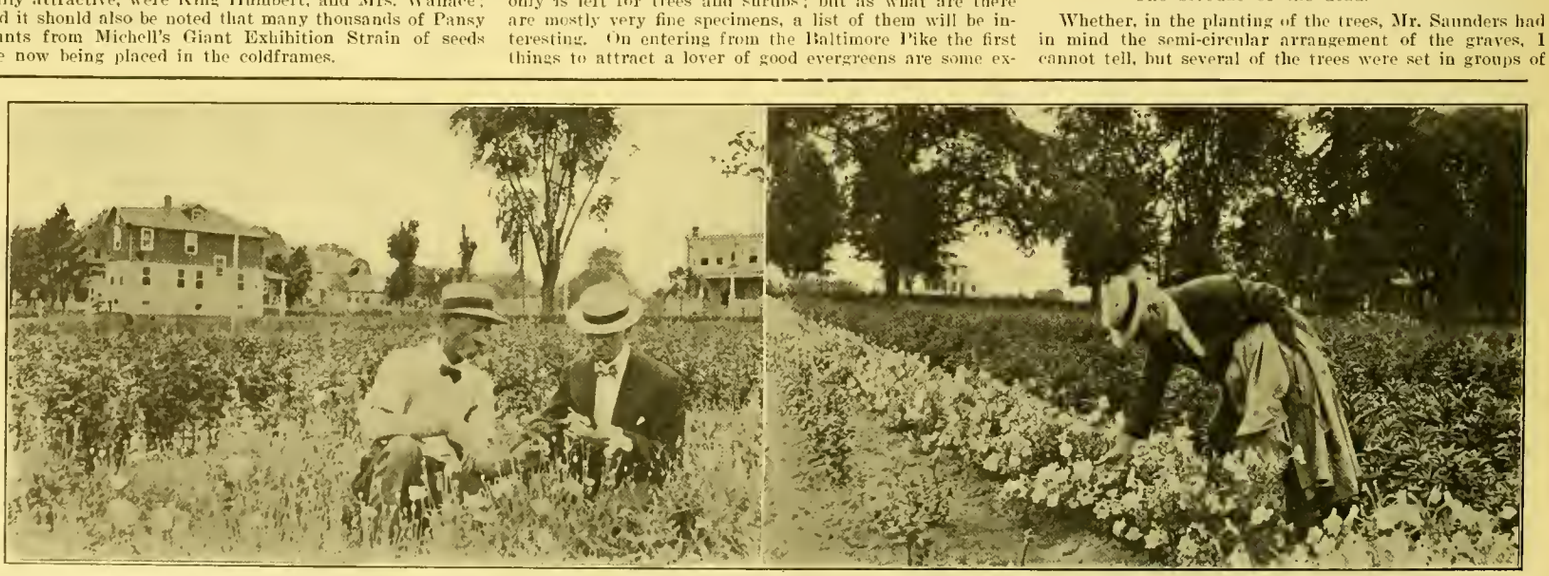
There are two of the finest Taxodium distichums here that I have seen for many a day, appearing near 70 ft. in height. It is not altogether the height of these and other trees here that attracts, it is the fact that they are all beautiful specimens, showing care from the time they were planted. Two Taxus adpressa, models of beauty, 6 ft. by 9 ft., were such as are not often met with.

Two weeping Abies, 25 ft. by 6 ft., were beautiful, but I could not determine the species. They had the appearance of A. Pinsapo. Other notable trees were Liquidambar, Magnolia acuminata, Cladrastis tinctoria, Betula alba, Picea orientalis and Abies Cilicica, Ginkgo, and Weeping Beech. A fine avenue of Norway Maples and a small hedge divides the ground from those of the old cemetery of the town.

It will interest many to know that the National Cemetery was planned by the late Wm. Saunders. There is a monument at the summit of the hill, erected by the Government, and, arranged in semi-circular rows at its front, are the graves of the dead. The States having the least number of dead occupy the near rows; the rows farthest off contain the dead of the States having the larger numbers, some thousands in all, of whom about one thousand are "unknown" further than that they were Union soldiers.

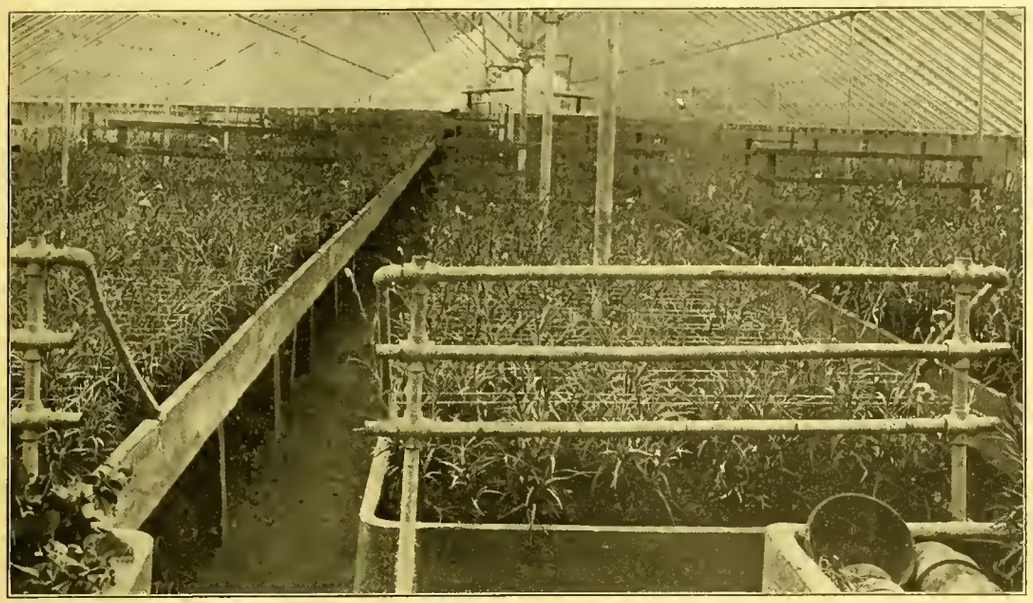
"On fame's eternal camping ground
Their silent tents are spread;
And glory guards with solemn round
The bivouac of the dead."

Whether, in the planting of the trees, Mr. Saunders had in mind the semi-circular arrangement of the graves, I cannot tell, but several of the trees were set in groups of



On the Michell Trial Grounds at Andalusia, Pa.

Manson Roberts and Paul F. Richter Inspecting a Trial Field of Poppies — Henry F. Michell Inspecting a Trial Plot of Petunias



A Carnation House at Establishment of Henry Weston, Hempstead, L. I., N. Y. The Cement Benches are "Home Made"

threes in a semi-circle, Hemlocks and Arborvitæs; and some others showing but two appeared to have contained three at one time.

Wm. Saunders was a partner of the late Thomas Meehan, about the year 1857, in Germantown, Philadelphia, the business being conducted under the title Meehan & Saunders. He afterwards had a florist establishment at Johnson and Green sts., Germantown, going from there to a leading position under the Government in the Agricultural Department, Washington, in the early '60's, and it was while there he planned the National Cemetery at Gettysburg. Very many of the now beautiful trees about the public grounds at Washington are of his planting.

JOS. MEEHAN.

Among the Growers

Henry Weston, Hempstead, L. I., N. Y.

Opposite Greenfield Cemetery, on the Freeport road, just outside the village of Hempstead, Long Island, N. Y., is the greenhouse establishment of Henry Weston. Passengers on the trolley line which passes the establishment have, all Summer, had their attention attracted to the handsome grounds which surround the residence and front the greenhouses. Mr. Weston spares neither time nor expense to make his frontage, some 300 ft. or more, a pleasure to look upon, and in a business way the investment is a profitable one.

There are in the establishment eight modern greenhouses, each 150 ft. long, and of widths varying from 20 to 40 ft.; and three connecting houses of good size, with ample potting shed and storage accommodation.

The business carried on is very general in its scope, but it is as a Carnation grower and plantsman that Mr. Weston is best known. Six of the eight large houses are devoted to Carnations. One, 20 ft. wide, is given up to the varieties White Perfection and Victory. The weather, while they were in the field, was rather hard on the Victory plants, and in many cases two plants have had to be planted together to make a good plant. The appearance of the stock in this house at the present time is all that could be desired. Another house, 20 ft. wide, is filled entirely with Victory. Another house, 24 ft. wide, contains Pink Delight, Imperial, and Mrs. C. W. Ward, all being tried out, and now looking full of promise. A 30 ft. house is planted almost wholly to Queen Louise. A feature of this house is its solid concrete beds; experience, however, has proved to Mr. Weston that the raised benches are best, as they allow of better control of the plants, and field mice do not infest them. The Chrysanthemum Mrs. Halliday occupies a small portion of the house. Of two new houses, 30 ft. and 40 ft. wide, one is devoted to Winona and Enchantress, and the other entirely to Winsor. With the exception of the house having solid beds, all the Carnation houses are furnished with concrete benches. These benches were made by Mr. Weston and his help, from molds of his own design, and are both neat and substantial.

For over 16 years Mr. Weston has been a constant advertiser in the EXCHANGE of decorative and ornamental plant stock, and enjoys an excellent reputation for the quality of his plants. A house, 18 by 150 ft., is devoted to Palms and Ferns, and displays some fine plants of Kentia Belmoreana, Phœnix Roebelenii, Cocos Weddelliana, and Nephrolepis Bostoniensis, Scottii and Whitmani. The plants in the block of Phœnix are small, but in good commercial sizes. Under the benches are numbers of flats of Kentia and Cocos seedlings.

Another house, 28 by 150 ft., is devoted to Asparagus plumosus and small Ferns. From the appearance of this house a profitable cut is being made of the Asparagus.

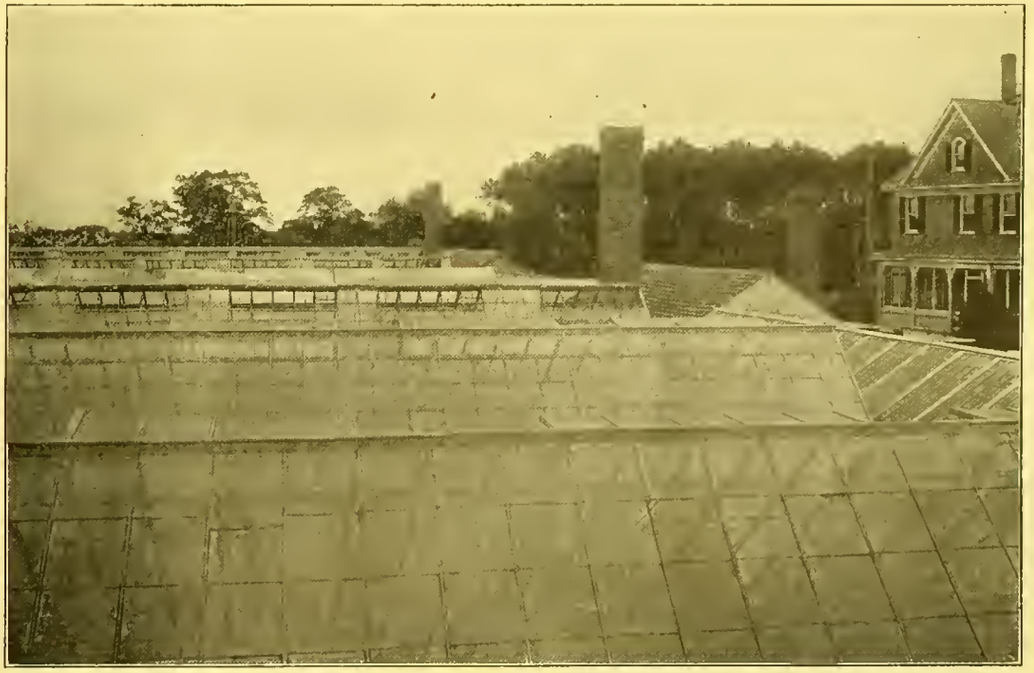
The three connecting houses are 18 ft. wide, and 75, 50 and 40 ft. long, respectively. The first two are devoted to 'Mums almost exclusively, the exception being part of a bench of Stevia. The varieties of 'Mums grown are Mrs. Halliday, Col. Appleton, Major Bonnaffon, Alice Byron, Golden Glow, Polly Rose, and Jeanne Nonin. The remaining house has just been rebuilt, and is to be filled with bedding stock.

In addition to the houses mentioned there are two propagating houses, which are kept continually busy.

Outside, in the grounds, which embrace about eight acres in a high state of cultivation, are to be seen four rows, each 750 ft. long, of Dracæna indivisa, which species is a specialty with Mr. Weston. These are all young plants planted from boxes last Spring, and will make extra fine stock for next Spring's trade; they are to be housed at once. Blocks of Vincas and Ivies are also noticed, in fine condition.

At the rear of the greenhouses Mr. Weston has just finished two enormous cement tanks for manure, both beneath the ground level. Here will be made his manure water, which is to be pumped through his pipe system by means of a gasoline engine which he is installing. The water will be provided from a well which is now in process of sinking, the shaft being protected by cement casings made above ground and sunk as the work progresses.

Besides the cares of his own business, Mr. Weston takes great interest in the business of the Growers' Cut Flower Co., 41 West 28th st., New York, of which company he is president.



Partial View of Range of Henry Weston, Hempstead, L. I., N. Y.

The Raphia of Commerce

Raphia has in recent years acquired considerable commercial importance, not only as material for weaving but also for binding, and is used especially by florists and gardeners in place of the Linden bast formerly in use, as it is cheaper and also softer, not cutting into or injuring young plants tied with it. It is curious, therefore, that comparatively little is known in general of this material, and that many erroneous ideas are current in regard to it.

Raphia bast is obtained from a few varieties of the Raphia Palm. It consists of yellowish white ribbons, 3 to 7 ft. long and from ½ to 1½ in. wide, and is not unlike in appearance to the bast from dicotyledon trees, but while this latter product is found under the bark of the tree, the Raphia bast is obtained from the leaves of the Palm, which grow to an extraordinary size.

Three kinds of Raphia bast are found in commerce, all of which are of different origin and of different grade. The most valuable is the light Raphia bast of Madagascar; this comes from the western half of the island and is exported only from the two ports of Majunga and Nosi-Bé on that coast; it is of a sandy color, and the strings are about 5 ft. long. It is obtained from the upper sides of the leaves of Raphia pedunculata (Beauv.), from the young pinnæ, which are from 3 to 7 ft. long and from 2 to 3 in. wide in the center, tapering off toward both ends. After being separated from the leaf it is carefully dried and then tied up into small bundles. It is used by the natives for weaving the most varied articles, as mats, pockets, hangings, caps, etc. As it is easily dyed, the narrower strips are woven by skilful hands into artistic designs.

The dark Raphia bast of Madagascar is obtained from the eastern half of the island and is exported by way of Tamatave. The plant furnishing this is not exactly known; it may be a variety of R. pedunculata, or one still unnamed. It is obtained both from the upper and lower sides of the pinnæ, is somewhat darker, and is considered as inferior to the first. It does not take colors as easily, and being somewhat wider is woven by the natives into coarser mats. Exported in strips it is used in horticulture as is the light kind.

The Raphia bast exported from West Africa is entirely inferior to both of the above. While it is as long, and perhaps even a little wider, it splits up into very thin strings and is therefore useless for horticultural purposes. It is cheap and used mostly for packing material. Little is known of the manner in which it is collected, and the plant furnishing it is not even known to a certainty.

Experiments made to test the strength of this Raphia bast have shown that the light bast is the stoutest, the dark bast will stand one-tenth less strain, while the West African bast will break at about one-half the strain of the first. Ordinary hemp string of about one-eighth in. diameter is about as strong as the Madagascar Raphia bast.—*Gartenflora.*

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Fig. 91 shows a form of cast iron gutter which was constructed with the object of securing ample capacity for the carrying off of the water from the roof, with the minimum of shadow. The gutter, A, is cast in one piece, in lengths about 8 ft. 4 in. long and is supported by the post tops, B, which also form a socket to receive the roof bars, G, on both sides, and is so constructed that the water of condensation from the glass flowing down the roof bars is caught by this bracket, B, and carried by same into the pipe post, P, which supports the gutter. The water of condensation which flows down directly from the glass, and also the condensation from the gutter itself, drops into the drip gutter, C, which is supported by lugs cast on the post top, B, and from this "U" bar the water of condensation flows through the post top into the pipe post P.

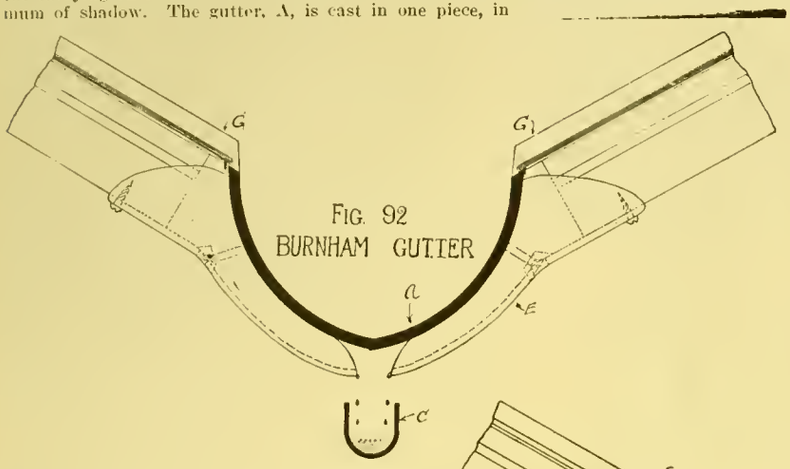


FIG. 92
BURNHAM GUTTER

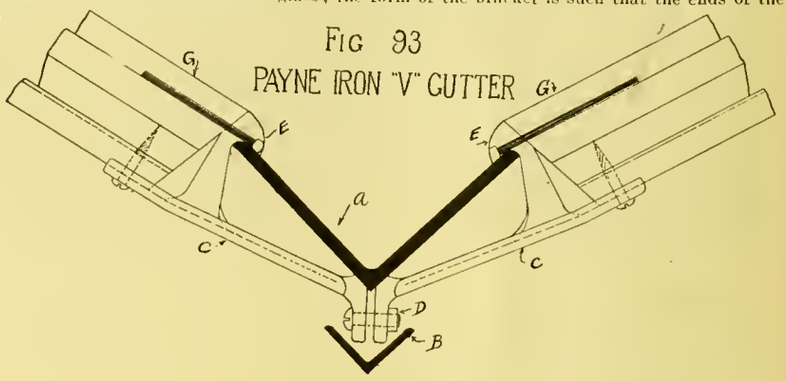


FIG 93
PAYNE IRON "V" GUTTER

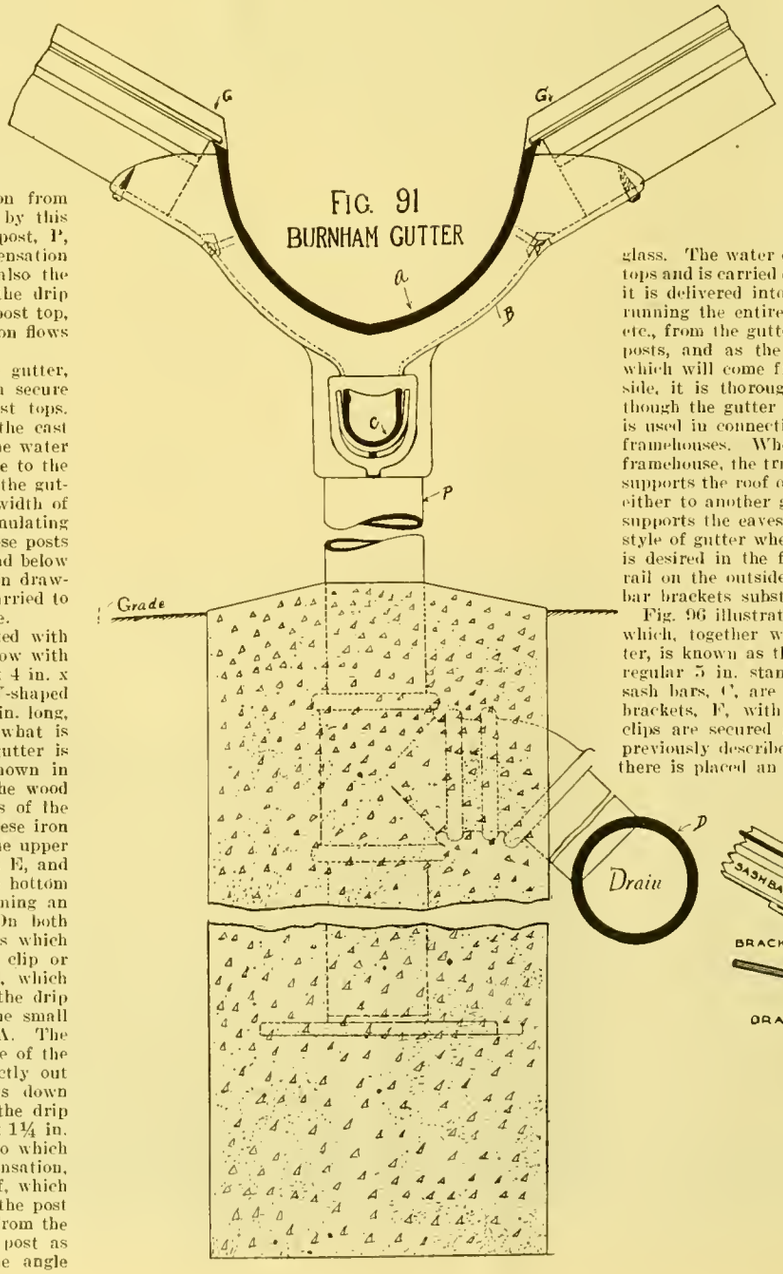


FIG. 91
BURNHAM GUTTER

Fig. 92 is an intermediate view of this same gutter, showing the cast iron brackets or lugs, E, which secure the roof bars, G, to the gutter between the post tops. These cast iron sash bar brackets are bolted to the cast iron gutter and are so arranged that they catch the water of condensation from the sash bars and carry same to the "U" bar drip gutter, C, as shown. The width of the gutter is only 6 in., but is sufficient for almost any width of house, owing to the fact that the roof water accumulating in same is drawn off by each of the posts, P. These posts should be made of at least 2 in. galvanized pipe, and below grade should be arranged similar to those shown in drawing, so that a branch may be taken off which is carried to the drain pipe, D, running the length of the house.

Fig. 93 shows a form of "V" gutter, constructed with a view to giving the least possible amount of shadow with the largest water capacity. A is a regular 4 in. x 4 in. x ¼ in. steel angle, placed as shown to form a V-shaped gutter, and is furnished in lengths about 16 ft. 8 in. long, or from center to center of two pipe posts, or what is generally spoken of as "two bays long." The gutter is supported on pipe post tops similar to those shown in Fig. 94, made to suit the shape of the angle. The wood sash bars, G, are secured to the gutter by means of the iron brackets or clips, C, with a wood screw. These iron brackets are placed on both sides of the gutter, the upper portion being in the form of a hook, as shown at E, and each pair of brackets are secured together at the bottom of the gutter by means of the bolt, D, thus forming an absolutely tight and permanent construction. On both sides of the hook, E, are placed small projections which form a stop for the glass. The bottom of this clip or bracket, C, is in the shape of a small channel, which catches the water of condensation carried down the drip groove of the sash bar and delivers same into the small drip gutter, B, placed beneath the main gutter, A. The water of condensation, flowing down the underside of the roof glass, meeting the gutter either passes directly out between the glass and the iron gutter or flows down the underside of the iron gutter and drops into the drip gutter, B. This drip gutter, B, consists of a 1¼ x 1¼ in. angle iron, which extends between each post top to which it is secured in such a way that the water of condensation, from the roof glass and from the roof gutter itself, which collects in this drip gutter, B, flows directly into the post top, and together with the water from the gutter from the outside of the house is carried down each pipe post as described in connection with Fig. 94. Both the angle gutter, A, and drip gutter, B, are generally galvanized by a hot process after machining, but where this is not the case they should be painted as before stated with a good quality of paint; but, of course, the galvanized process is by far the more desirable. This form of gutter gives the maximum of water carrying capacity with the minimum of shadow in the house, and the iron brackets or clips which secure the wooden bars to the gutter are of such a shape that they allow the air to circulate around the bottom of the bars and permit the painting of same as fully as possible.

Fig. 94 shows a form of channel iron gutter which, together with the various attachments and methods of connecting, is known as the "King gutter." It consists of a 5-in. steel channel supported on iron brackets which form pipe post tops, these pipe posts being placed from 8 ft. to 8 ft. 4 in. apart, depending upon the width of the glass. The sash bars are attached to this gutter by means of iron clips or brackets which hook over the top of the channel iron gutter and are secured in place by means of set screws at the bottom, and the sash bars are secured to same by means of wood screws; and at the point where they hook over the channel gutter there are small projections on each side of the casting which form a stop for the glass; the form of the bracket is such that the ends of the sash bars are open as far as possible for painting and the free circulation of air. With this construction it is not necessary to drill the gutter to receive the sash bars, therefore any width of glass desired can be used. On each side of the post top provision is made to hold an iron semi-circular drip pan, which is placed beneath the gutter the full length of the house to catch the water of condensation from the gutter and also the water which drips from the roof glass. The water empties from this iron pan into the post tops and is carried down through each pipe post, from which it is delivered into drains placed beneath the ground and running the entire length of the house. The rain water, etc., from the gutter is also carried down each of the pipe posts, and as the gutter has only to receive the water which will come from about 8 lineal feet of roof on each side, it is thoroughly ample to carry off this water, although the gutter is only 5 in. wide. This type of gutter is used in connection with both iron frame and semi-iron framehouses. When used in connection with a semi-iron framehouse, the truss rod is carried up over the pipe which supports the roof of the house and across, and is connected either to another gutter support or to the post top which supports the eaves of the house. Fig. 95 shows the same style of gutter when used at the eaves of the house. If it is desired in the future to add another house, the upper rail on the outside may be removed and the regular sash bar brackets substituted.

Fig. 96 illustrates another form of channel iron gutter which, together with various attachments and drip gutter, is known as the "Payne" channel gutter. A shows a regular 5 in. standard channel iron to which the wood sash bars, C, are secured by means of the iron clips or brackets, F, with wood screws as shown. These iron clips are secured at the top by means of a hook, E, as previously described, and across the bottom of the gutter there is placed an iron connecting bar, H, which secures

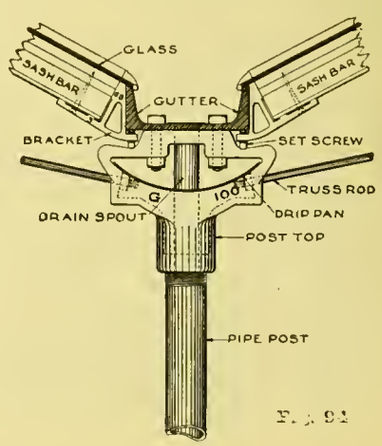
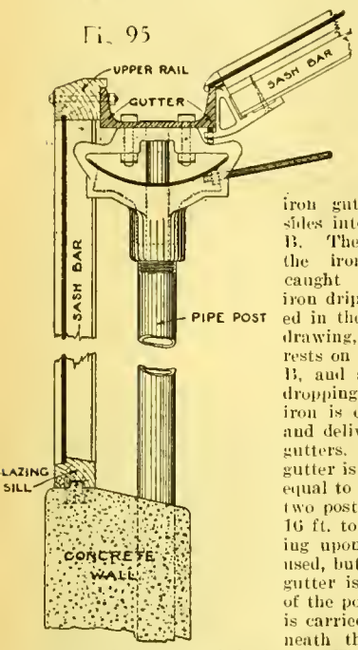


FIG. 96

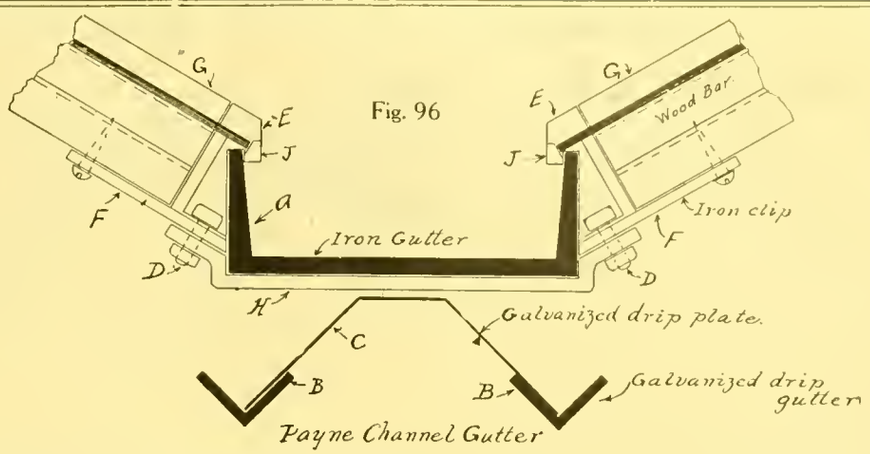
each pair of these brackets together by means of the bolts D, thus forming a very permanent and secure connection between the brackets and the gutter. On each side of the hook E are projections, J, which form a stop for the roof glass. Beneath this channel iron gutter are two 1 in. x 1 in. angle iron drip gutters, B, so placed that the water of condensation which flows down the roof bars into the iron clips F, and also the water of condensation from the underside of the glass which flows down the edge of the channel iron gutter, drops on both sides into these drip gutters, B. The condensation from the iron gutter itself is caught by the galvanized iron drip plate, C, constructed in the form shown in the drawing, each side of which rests on the two drip gutters, B, and all the condensation dropping from the channel iron is caught by this plate and delivered into these drip gutters. The channel iron gutter is furnished in lengths equal to the distance between two posts, which varies from 16 ft. to 16 ft. 8 in. depending upon the width of glass used, but the water from the gutter is delivered into each of the posts through which it is carried into the drains beneath the ground and running the full length of the house. The water of condensation from the drip gutters, B, is also delivered into each of the pipe posts. In all of the center gutters shown there has only been illustrated one center support; but where it is desired to have a walk beneath the gutter, all of the forms of gutters shown can be constructed with a double pipe or arch support, allowing a walk of about 2 ft., or less if desired, beneath the gutter.

Fig. 95



We will next take up the consideration of the various forms and proportions of roof supports for semi-iron frame-houses.

Fig. 96



Third Annual Convention of the Greenhouse Vegetable Growers and Market Gardeners' Association of America

The convention met at the Press Hall in Grand Rapids, Michigan, Sept. 27-29, as reported in the last issue of the EXCHANGE. About 300 members attended, representatives being present from all the northern and middle States, and from Kentucky, West Virginia, Virginia, Maryland, Alabama and Louisiana of the more southern States. The assemblage was welcomed to Grand Rapids by the mayor of the city in a neat and sensibly short speech, and the response was made in a happy strain by Prof. Lazenby of the Ohio University.

Tuesday morning's session was taken up mainly with the reports from the State vice-presidents. It was noticed from these reports that the culture of vegetables in greenhouses, on a commercial scale, seems to be confined to the States bordering on the Great Lakes, little being done in this line south of Pennsylvania, as in the milder climate coldframes take the place of the heated greenhouses in the production of Lettuce. West of Pennsylvania too it was noticed that the Grand Rapids is about the only Lettuce grown, while in the East and in New England the market demands head Lettuce exclusively. Few reported the growing of Tomatoes for the early Winter crop, as this crop follows the Lettuce and Cucumbers in Spring, and it seemed to be the opinion that it was not profitable to compete directly with the Florida crop. President Waid, in his annual address, urged co-operation and mutual giving and getting of information among growers, and more complete local organizations for mutual help. He rather favored the proposed change of the cumbrous name of the Society to that of "The Vegetable Growers of America," since the market gardeners who are not forcers had formed an idea that they are not wanted. Since the producer gets, as a rule, only about 30 cents of the consumer's dollar, organization might help to abolish many middle men. Right on this line, I noticed, at the railroad station at Kalamazoo, boys peddling bunches of Celery on the train, bunches containing about 20 roots, for 10 cents. When this Celery gets to my place it is 10 cents for a single root. So it is evident that the growers at Kalamazoo do not get 30 cents of my dollar when I buy their Summer Celery, which we cannot grow down here.

On Tuesday afternoon Prof. Thomas Gunson, of the Michigan Agricultural College, delivered an interesting lecture on the diseases of the Tomato, with chart illustrations, and suggested spraying in time as a preventive of most of them which can be reached in that way. The bacterial wilt of the Tomato, I was told, has appeared under glass in Michigan, but has not yet been noticed in the open ground. This differs from my experience in the South, where I never saw it under glass, but was always troubled with it in the open ground, to such an extent that certain lands cannot be made to produce Tomatoes, while other land not infected produced good crops.

At night Prof. R. L. Watts of the Pennsylvania State College gave a beautifully illustrated stereopticon lecture, on various commercial gardens in different States which he had visited, showing the methods of cultivation, packing and marketing in different sections. There were 110 views, demonstrating that the Professor had been an industrious collector of scenes in various sections.

Prof. T. C. Johnson, director of the Virginia Truck Station, near Norfolk, gave a detailed account of the work of the Station, and statistics showing the immense development of the trucking industry at Norfolk, the item of early Irish Potatoes alone amounting to over 900,000 barrels, and when the crop of the Eastern Shore counties of Virginia across the Bay is taken into consideration the early Potato crop of that section will run over a million and a half barrels. Added to this are hundreds of thousands of barrels of Kale, Spinach, Cabbages, Sweet Potatoes, etc., that run up the shipments into the millions. In fact, one grower at Norfolk told the writer of this that he usually buys 100,000 barrels for the season's packing, at 18 cents each.

On Wednesday morning the session was opened by J. N. Draper of Springfield, Mo., with a discussion on the value of large vs. small packages. The general opinion seemed to favor small packages. Prof. Hall of Amherst, Mass., said that the Boston men all stick to the bushel box as the truck package, and preferred it because of the compact packing on the wagons.

J. H. Rice of Ashtabula, O., discussed freight rates on the railroads and their unjustness in many instances, and the general opinion was that there should be some relief to the truckers from unfair rates in many places. The great and growing truck industry of the Delaware-Maryland Peninsula is at the mercy of the Pennsylvania Railroad, which not only owns all the railroads but all the steamboats as well, and usually gets about one-half of what the produce brings if it sells well, and about all sometimes. The practice of selling to the consumer direct and selling to the retailers provoked quite a discussion. The side of the commission men was ably discussed by R. F. Dilger of Chicago who lashed the dishonest packers roundly.

On Wednesday afternoon the members were treated to a ride in automobiles and wagons, to visit the various horticultural places around Grand Rapids. At the place of H. B. Smith, on the heights across the Grand River, we found a large area of glass mainly devoted to Carnations and Roses, though some vegetable crops are also forced, and the planting of the Grand Rapids Lettuce was already begun. Mr. Smith grows a large amount of fruit and vegetables in the open ground, and we noticed he was shipping Grapes in paper-lined crates, the little baskets being heaped with Grapes and no cover put on them; and each layer of Grapes rested on the handles of the baskets below, with pasteboard between. He claimed that they go safely in that way, but I do not think we could have them travel safely that way in the East. They pack far more safely with covers on the baskets.

The Grand Rapids Greenhouse Co. has two places, one devoted to floriculture and one to vegetable forcing. On the vegetable place we saw one ridge and furrow house, 210x500 ft., all in Cucumbers. There was an interesting experiment there. A small part of the house had not had the soil sterilized by steam; in that part the Cucumbers were dying from the nematodes on the roots, while in the remainder of the house the Cucumbers were already over 6 ft. high and growing with the greatest vigor. This part had been sterilized by steam pipes through the soil. The unsterilized part had been left for the meeting of the Association, and is to be cleaned up and steamed at once. It has been a question with me whether the killing of the eel worms would not also destroy the bacteria of nitrification, but the result here looks as though the plants were not suffering for lack of nitrogen.

One interesting place visited was the home of Eugene Davis, the originator of the Grand Rapids Lettuce and Davis's Perfect Cucumber. Mr. Davis also showed the most perfect Tomato I have ever seen, in shape like the Globe and intermediate between pink and scarlet, without any hard core, and ripening to the stem as smooth as if grown under glass. It is not yet named, but I secured a few seeds to test South.

A paper on heating and watering in greenhouses by B. H. Thorne of Wooster, O., was read by the secretary and discussed. There seems to be a general tendency towards hot water, and one member stated that at the great Riverton place of H. A. Dreer, Inc., they are rapidly replacing steam with hot water. Hot water installment is the more costly, but in my experience is 25 per cent. cheaper to run than steam.

C. D. La Van, Sanborn, N. Y., discussed methods of firing greenhouse boilers, and one member using natural gas wanted to know what burner was best. The reply was that the man managing the boiler was of more importance than the particular style of burner. Mr. Le Van banks his fires by pulling the fire to center and putting cold coal around next the boiler, evidently a good way to cool off.

Prof. Paddock of Columbus, O., read a paper on market gardening in Colorado, in which he gave some very interesting statistics from a trip among the growers there.

Prof. Massey of Maryland discussed the question of how to make early Tomatoes profitable in the open ground. He said that this was largely a local matter, that in his section all the Tomatoes put on the market in June and July always paid well, and that in any section the way to make early Tomatoes pay was to have a good early variety and get them in ahead of the neighbors, shipping in southern carriers and baskets.

The committee on nominations brought in the names of officers for the ensuing year, and they were elected, as follows: President, R. L. Watts, State College, Pa.; vice-president, A. M. Hall, Amherst, Mass.; secretary, S. W. Severance, Louisville, Ky.; treasurer, M. L. Ruetenik, Cleveland, O.

The next annual meeting will be held in Horticultural Hall, Boston, Mass. W. F. MASSEY.

New Green Leaved Lorraine Begonia Hofwyl

The yellowish foliage of Begonia Gloire de Lorraine is often objected to as a defect for it gives the plant a sickly appearance. All the older sports derived directly from it have the same peculiarity as well as the varieties obtained from the same parentage, with the exception of Patrie. But there is now a recent sport with emerald green leaves which is considered in every way as an improved Lorraine. This novelty, Hofwyl, while much more sturdy, has retained the singularly graceful habit of Lorraine. It blooms quite as profusely, although the flowers are twice as large. The color is exactly like that of the recent Begonia Berolina, but the panicles rise still more freely above the foliage, these occasionally measuring 14 in. The faded flowers must be removed since they are not shed. Deeply bronze colored involucral leaves appear in place of the faded flowers, just as with Lorraine, though they are much larger, giving the plant the appearance of still being in full bloom. The leaves are well shaped, emerald green and very ornamental. Cuttings made in August have developed by Christmas into fine plants covered with bloom which do not require any support. Hofwyl was originated by F. Wortman of Hofwyl, Switzerland, who will put it on the market in the Spring of 1911.

[The illustration accompanying this article, which is translated from Möller's, shows Hofwyl as a much more compact flowering plant, and bearing its very large individual flowers erect; the new hybrid is shown as considerably taller and more erect than a plant of the original type which is pictured alongside of it.—ED.]

The Florists' Exchange is the most widely read Trade paper, therefore Best for Advertisers.

Florence Nightingale, a New Lavender Spencer Sweet Pea

Through the courtesy of W. Atlee Burpee & Co. of Philadelphia, we are enabled to present our readers this week with an illustration and description of their new lavender Spencer Sweet Pea, Florence Nightingale, so named in honor of a famous English woman, which is looked upon—and with good reason, judging from the testimony of experts who have grown it—as being the most startling novelty in Sweet Peas to be introduced in 1911. The description of Florence Nightingale is as follows:

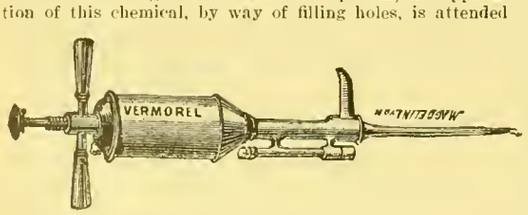
The flowers are truly magnificent and of immense size. The standard is unusually large and bold, pronouncedly waved, yet standing erect and broad—frequently measuring two inches across. The color is a most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose pink. The large, well spread wings are of the same coloring, frilled and well waved. It is practically a self color and bunches beautifully—attracting universal admiration. The plant is extremely robust in growth, flowering most profusely. The stout stems attain twelve to sixteen inches in length and a large proportion bear four well placed flowers. Florence Nightingale *comes entirely true from seed*—both as to color and the highest ideal Spencer type.



Burpee's New Sweet Pea Florence Nightingale

Bisulphide of Carbon to Destry Soil Pests

Some time since, reference was made in your columns to the use of bisulphide of carbon for exterminating soil pests, and I might just mention that there is a special tool for injecting this deadly liquid into the ground. In the hands of an ignorant or a careless person, the application of this chemical, by way of filling holes, is attended



with great risk, as a breath of the carbon means an early funeral. The Vermorel Injector, however, removes the risk. I am sending an illustration of the tool, which is of French make. T. A. W.



Decorations at the Consecration of St. Patrick's Cathedral, New York

St. Patrick's Cathedral at 50th st. and Fifth ave., New York, was consecrated on Wednesday, Oct. 5. The decorations in flowers, plants, and greens were furnished and set up by Charles Thorley, of "Thorley's House of Flowers," 46th st. and Fifth ave. This was one of the most carefully planned, best executed, most artistic and beautiful church decorations ever seen in New York. The decorations were simple, but elegant, and such as were in keeping with the beautiful edifice itself. To one who has stood within it, this means much.

On every side of the Cathedral without, about eight feet apart, at the inner edge of the pavement, were placed Bay trees of large size, and also on either side of the walks leading from the street to the several entrances into the Cathedral. This, in short, means that besides the Bay trees placed on either hand from the curb to the Cathedral entrances, there was a continuous row of Bays on the Fifth and Madison ave.'s, and 50th and 51st sts.' sides of the Cathedral. The sides and ceiling of the entrance were completely covered with richly colored Oak and other Autumn leaves. Within the nave of the Cathedral 7000 yards of Laurel roping were used. With this the immense marble pillars of the Cathedral were so entwined that great diamonds were formed by the crossing of the Laurel roping, and at every intersection a gilt cross was placed. Loopings of Laurel were also placed between the huge pillars. Great Palms in large numbers were massed on the right and left of the chancel. The only flower used in these decorations was the white Lily, emblematic of purity, and in perfect accord with the wonderfully beautiful white chancel itself. More than 5000 of these Lilies were used on and about the chancel and the altar, and the effect was indescribably fine.

A Big Store Decoration

The decorations used on Sept. 29 and also maintained for ten days following at the new department store of Gimbel Bros. recently opened at 33d st. and Sixth ave., New York City, were very abundant and elaborate. All of the natural flowers, plants, boughs, and greens, about eight carloads, were furnished and put in place by J. J. Habermehl's Sons, of the Bellevue-Stratford, Philadelphia. One thousand Palms for one item were used in the inside decorations, and 100 cases of Smilax inside and outside of the store. Outside, the whole store frontage on Sixth ave. was heavily decorated from the pavement up to and including the third floor, where a series of window-boxes with panels of Cedar trees between the windows crowned the store front decorations, of which heavy ropings of Oak, Laurel and Smilax, and Cedar and Pine boughs formed the major part. These outside decorations were not confined to the store front but extended to that portion of the Sixth ave. elevated road opposite the store, the supports of which, and the 33d st. station also were covered with Pine and Cedar boughs and Smilax. Inside the store, 1000 Palms, many large Bay trees, vases of cut blooms, Ferns and Smilax were freely used. The undertaking was a large one, the decorations were appropriate and well placed, and much credit is due to J. J. Habermehl's Sons for the successful execution of so extensive a decorative scheme.

The Dahlia for Room and Table Decoration

At the Dahlia Show held last week by R. Vincent, Jr. & Sons Co., one of the rooms in the private offices of the firm was very tastefully decorated by Thos. Vincent, a brother of R. Vincent, Jr., with stores at 1514 W. Lafayette ave. and 1822 N. Charles st., Baltimore in order to demonstrate the capabilities of the Dahlia as a decorative flower for room and table decoration. The table was set for a small number of guests. A vase of Dahlia Juliet occupied the center of the table; from this vase four stands of Smilax were carried up in a square formation some twelve inches, then united as one piece for a few inches more, when they were again divided into four, each strand of which was carried radiating to the ceiling. Drooping from the vase, a streamer of Smilax was laid to each plate terminated at its point with a single small bloom of Dahlia A. D. Livoni, the latter variety chosen because it naturally lays perfectly flat. Large baskets containing Dahlias, Souv. de Mme. Moreau, Jeanne Charmet, Gettysburg, Mrs. H. J. Jones, Countess Lonsdale and Lucy Fevrier, each variety separate, were placed about the room; several of these were finished off with Erianthus striata and A. plumosus.

Boston Retail Store Features

In many of the larger retail stores the principal window decorations at the present time are beautiful displays of Crotons; these are well-grown plants in 6-in. and 7-in. pots with delightfully colored foliage. The broad-leaved varieties seem to be the favorites, at any rate they are much more highly colored than the narrow-leaved kinds. We are pleased to see the Croton put to such good use and when the public learns that it makes such a pleasing and lasting plant in the dwelling house, and that they are not really expensive plants, many more will be grown and used. They are easily grown; where the failure has been in the past with the Croton was by giving it too much heat and not hardening it off before sending it into the retail stores. With ordinary care it will last six months or more in a dwelling house. It likes an even temperature and plenty of water.



A Basket of Orchids

Lorraine Begonias are also to be seen in the retail windows although not many large specimens as yet. There is a good demand for Ferns now and they are seen in abundance in the retail stores.

Galvin, on Tremont st., made a feature of Crotons in his window which were displayed with fine taste.

Zinn's retail store windows on Park st. were handsomely decorated this week with most brilliantly colored Crotons, which were greatly admired. Another good plant, blooming at this time, was very nicely shown; it was Oxalis Bowei. When well grown it makes a handsome hanging plant. Cypripedium villosum was arranged artistically in a large vase. Oncidium varicosum Rogersii gave a fine touch of yellow with its graceful sprays of flowers.

R. C.

Pot Pourri Again

I have found the following an excellent recipe for pot-pourri, says a writer in Gardening Illustrated: Pick the Rose leaves in dry weather, spread on sheets in a shady place till half dry—i. e., very tough, but not quite brittle. As they reach this state, put them into jars, a handful of Rose leaves and then about a dessertspoonful of bay salt, in layers, and so on. When all the Rose leaves you mean to get have been thus stored, to about an ordinary washing-basin full of them, take 1 oz. Styrax, 1 oz. gum Benjamin, 1 oz. Orris-root, 1 oz. Sandal-wood, ½ lb. dried Lavender, 3 grains Musk, ½ oz. Cloves. Mix them very well together, and cover up for three months. If there is much loose salt among the Rose leaves, remove the larger bits, or the pot-pourri will get too damp. About 6 lb. bay salt, broken up small, will be ample. (I find 6 lb. enough.)

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab 1877

Atlanta Floral Co — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Winn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. L. Phillips — Established 1874 — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN — FLORIST

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — CINCINNATI, O. — Fourth St.

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

Some day, not far off either, all Retail florists will appreciate the advantages of this Department. But why wait? Advertise Now. Correspondence solicited. Good photos wanted. Items of interest to the retail trade are not necessarily confined to this Department but will be found scattered throughout our pages in each issue.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Deutschland	Oct. 8	9.00 am.	1st St., Hoboken	Hamburg
Minneapolis	" 8	9.30 am.	W. 16th St., N. Y.	London
New York	" 8	10.00 am.	W. 23rd St., N.Y.	Southampton
Furnessia	" 8	10.00 am.	W. 24th St., N. Y.	Glasgow
Lapland	" 8	11.00 am.	W. 18th St., N. Y.	Antwerp
Berlin	" 8	11.00 am.	3rd St., Hoboken	Gib-Nap-Genoa
Celtic	" 8	12.00 m.	W. 21st St., N.Y.	Liverpool
Carpathia	" 8	12.00 m.	W. 14th St.,N. Y.	Gib-Genoa-Nap-Trieste-Fiume
Sant' Anna	" 8		31st St., Bklyn	Naples
San Giorgio	" 8		Pier 22, Bklyn	Naples-Genoa
Perugia	" 8	11.00 am.	Union Strs.Bkln.	Naples-Palerm'o
Noordam	" 11	10.00 am	5th St., Hoboken	Rotterdam
Mauretania	" 12	9.00 am.	W. 14th St., N.Y	Liverpool
Bluecher	" 12	12.00 m.	1st St., Hoboken	Hamburg
Alice	" 12	1.00 pm.	Bush Dks, Bklyn	Napls-Trieste
Majestic	" 12	3.00 pm.	W. 21st St., N.Y.	Southampton
Manuel Calvo	" 12		Pier 8 East River	Cadiz-Barcel'a Genoa-Naples
La Savoie	" 13	10.00 am.	W. 15th St., N.Y.	Havre
Oscar II	" 13	2.00 pm.	17th St. Hoboken	Copenhagen
Campania	" 13		Pier 38, Bklyn	Rotterdam
Patris	" 13		—Brooklyn	Piraeus-Cal'm Patras
Virginia	" 13		Bush Dks, Bklyn	Naples-Genoa
Carmania	" 15	10.00 am.	W. 14th St., N. Y.	Liverpool
St. Paul	" 15	10.00 am.	W. 23rd St., N. Y.	Southampton
Cleveland	" 15	11.00 am.	1st St., Hoboken	Gib-Nap-Genoa
Duca d' Aosta	" 15	11.00 am.	W. 34th St., N. Y.	Naples-Genoa
Kroonland	" 15	11.00 am.	W. 18th St., N. Y.	Antwerp
Moltke	" 15	12.00 m.	1st St., Hoboken	Hamburg
Cedric	" 15	2.00 pm.	W. 21st St., N.Y.	Liverpool
Estonia	" 15	2.00 pm.	Bush Dks Bklyn	Rotdam-Libau
Caroline	" 15	3.00 pm.	N. Y.	Havre
La Gascogne	" 15	3.00 pm.	N. Y.	Havre
Columbia	" 15	3.00 pm.	W. 24th St., N.Y.	Glasgow
Minnetonka	" 15	3.00 pm	W. 16th St., N.Y.	Londoo
Madonna	" 15		31st St., Bklyn	Naples
St. Laureat	" 17	3.00 pm.	W. 44th St., N.Y	Bord'x-Dunk'k
Rotterdam	" 18	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 19	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 19	9.30 am.	W. 21st St., N.Y	Southampton
Pres. Lincoln	" 19	10.00 am.	1st St., Hoboken	Hamburg
M. Washington	" 19	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'sts
From Boston				
Bohemian	Oct.12		B&A Dks,E.Bos.	Liverpool
Numidian	" 14	6.00 am.	MysticWhf,Char	Glasgow
Saonio	" 15		Clyde St., E.Bos	Naples-Genoa
Zeeland	" 19		B& M Dks, Char	Liverpool
Canopic	" 22	12.00 m.	B & M Dks.Char	Azores-Gib Napls-Geno
Philadelphia				
Manitou	" 14	10.00 am.	55 So. Wharves	Antwerp
Merion	" 15	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 15		24 No. Wharves	Glasgow
Friesland	" 22	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Asia	Oct.11	1.00 pm.	1st Street	Honolulu
Mongolia	" 25	1.00 pm.	1st Street	Japan
Tenyo Maru	Nov. 1	1.00 pm.	1st Street	China

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

Meyer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

A. T. Bunyard — NEW YORK — 413 Madison Avenue — FLORAL CO.

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see pages 646, 647

FLOWERS DELIVERED BY TELEGRAPH

Anywhere—At Any Hour

By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

Reliable Supplies for both Wholesale and Retail Florists

IF WE KNEW YOUR NAME AND ADDRESS, IF WE KNEW YOU WERE INTERESTED,

We would gladly mail you samples of PINE TREE BRAND RIBBONS and CHIFFONS—The Ribbons we weave and sell

Direct to you from our Mill,

The Chiffons we import ourselves

Pine Tree Ribbons are rich toned, lustrous qualities made in Florist shades and many widths, and priced at figures no jobber can equal for the same quality of Silks.

Why not send your name and address for samples to

THE PINE TREE SILK MILLS L.D.S.&CO.

The Pine Tree Silk Mills Co.

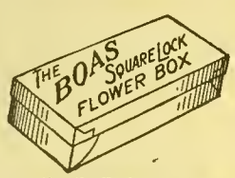
Philadelphia, Pa.

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Henry M. Robinson & Co.,

Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

New Crop Ferns Now Ready

75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass. L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

The Kervan Co.

113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

Palm Leaves, $5.00 per thousand

Magnolia Grandiflora Leaves, $8.00 per ten thousand

Florida (gray) Moss, 200 pounds for $5.00

CASH WITH ORDER. 25 YEARS' EXPERIENCE.

VICTOR SCHMELZ & SON, R. 2, Sanford, Florida

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

WE MANUFACTURE

ICE BOXES

The Latest Improved

Also Florists' Novelties. Window Boxes Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N.J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Krick's Letters THE BEST.

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery

Please mention the Exchange when writing.

Retail Notes

GOUVERNEUR, N. Y.—John T. Humphrey of Rome, N. Y., contemplates starting in the florist business here.

BOISE, IDAHO.—The Bayhouse Floral Co. is moving its downtown office from the Sanna Block to the Owyhee Hotel Building.

MILWAUKEE, WIS.—J. P. Sherer has bought the florist business of James Chacona, 108 Wisconsin st., and will continue the same.

MILES CITY, MONT.—F. S. Madden, representing Smedley & Co., florists of Fargo, N. D., has opened a florist store in the old Busy Bee quarters.

The Climax Manufacturing Company's Special Sale of

Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower, Design, Pillow and Shipping Boxes are made from Heavy Manilla board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100	Size	Per 100
†18x5x2*	$2.25	16x16x8	$8.00
†20x4x3*	2.26	18x18x8	9.00
†21x5x3	2.75	20x20x8	10.00
†21x7x3½*	3.26	22x22x8	12.00
†24x6x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x15x8	10.00
25x15x5*	7.25	24x18x8	12.00
†20x5x3½*	3.75	28x22x8	13.50
†30x10x6*	7.50	30x15x8	13.50
†20x12x7	9.00	26x20x10	16.50
†36x6x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†36x10x6*	9.00		

Printing cannot be done on these large boxes, however, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 200 or more. Extra Charge of $1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of $15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days time, but no discount will be allowed unless the invoice if paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address—

THE CLIMAX MANUFACTURING CO.

Box 205

Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St., Boston, Mass.

JACOB BRUNNER, Mgr.

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE

56 Pine Street, NEW YORK

Please mention the Exchange when writing.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

REED & KELLER

122 W. 25th Street NEW YORK

We Manufacture Our Own

FLORISTS' SUPPLIES

Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

The Florists' Supply House of America

No need to qualify the fact. Biggest and Best Assortment of Florists' Supplies in America.

That means much to you. Why? You can get the latest and best of Everything in Supplies and Novelties from us; then your business will show increased results. Send us your list of wants. We know how to take care of it. When your stock is attractive, it will please your trade, and your sales will show the results of our advice. Now is the time to put in one of our Greatest Novelties, sells at sight, **Our Famous Imperial China Ware, either in plain or real gold finish.** Our latest importation is another Advance Novelty, Gold and Silver Filagree Baskets, the daintiest of them all; from a small one up. You will like them. **A Sample Trial Order will put you right in line with the Latest New Things.** Ferns are adding greatly to increased trade; all of the most desirable effects are produced with **plain and two colored Ferns** for Autumn and Winter Decorations. Beech Sprays, green, red, leather color and yellow; the most desirable of all new importations for the decorator's art. Crepe Flowers are a new and favorite conception, come in Orchids, Wistarias, Hyacinths, Roses, Chrysanthemums, and Dahlias. Magnolia Leaves, green and brown. Oak Sprays, brown and yellow. Ruscus and Statice Wreaths. Everything which a Florist can use to add new ideas to his business you can obtain from us. Order the New Things. They will help you.

SEND FOR OUR CATALOGUE OF SUPPLIES

H. BAYERSDORFER & CO., **1129 Arch Street PHILADELPHIA, PA.**

Please mention the Exchange when writing.

Cincinnati

Business during the past week was very good with stock in plenty of all kinds excepting Carnations. The Jewish New Year will clean up American Beauty and other good stock. Carnations are still very scarce.

H. Schmidt & Co. of Oxford, O., are shipping fine Monrovia and October Frost Chrysanthemums, which fetch $2.50 per doz.

G. R. Gause and wife of Richmond, Ind., were callers last Friday.

Richard Witterstaetter has the sympathy of the craft owing to the loss of his wife, who died Friday morning last, Sept. 30; funeral services were held Monday afternoon.

Wm. Murphy has returned from his Northern trip, having so far escaped an attack of hay fever this season.

The Cincinnati Florists' Club is organizing a bowling team, and hereafter expects to be represented in the annual tournament. E. G. GILLETT.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble, to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCRAY REFRIGERATOR CO.
267 Lake Street **Kendallville, Ind.**

Please mention the Exchange when writing.

Newport, R. I.

Ralph Armstrong, manager for Wadley & Smythe, with his family, has returned to New York for the Winter.

William Jurgens has bought 40,000 sq. ft. of land adjoining his greenhouse property. This is the last available piece on the block, and will be used for greenhouse purposes. His bulb storage house, built the past Summer, has been filled to its full capacity, and will be a great convenience in the Winter as the stock can be reached and handled in all kinds of weather. Among the newer varieties of Narcissus which are to be tested are King Alfred, King Edward, Glory of Leiden and Mme. de Graff. Roses are doing well; My Maryland is a favorite and in good demand, but for Wm. R. Smith there is no call, and notwithstanding its beauty and many good qualities will have to be discarded. Yellow Kaiserin I saw for the first time; this promises to be a good thing and a good companion for the others of the same name, the only difference that we could see being in the color. The stock of Valley on the benches is of the highest quality.

At Stewart Ritchie's the stock of Carnations never looked better, and the Chrysanthemums in the large new greenhouse are also in fine shape. The old range of houses is being given a temporary overhauling, so that they will stand the Winter, after which they are to give way to a range of modern houses.

Dr. Jacobs has leased a tract of land on Annandale rd., which is being put in order for garden purposes; it is said a range of glass is to be built.

Henry Clews has purchased "The Ledges," which adjoins his own estate, for the use of his son, Henry Clews, Jr., who recently returned from France, where he has been for some time.

At the Rhode Island Hort. Society's show held in Providence last week, Edwin S. Manuel of this city won first place with the largest collection of Cactus Dahlias shown, first for 20 Cactus Dahlias, and first for 10 blooms Decorative Dahlia; also second for best individual bloom of Cactus Dahlia, with Marathon, second for 10 blooms Cactus Dahlias, and second for 5 blooms Cactus varieties. Other exhibitors from Newport were C. M. Boghbolt, who won first prize for one bloom of Cactus Dahlia, introduction of 1909, with Snowstorm, a fine exhibition white but for commercial purposes not equal to Snowdon. He was also first with 10 blooms Cactus Dahlias. John B. Urquhart, gdr. for R. L. Beekman, showed a grand specimen plant of Adiantum Farleyense and was awarded a gratuity. The visiting members from the Newport Hort. Soc. were royally entertained by the State Society. The exhibition as a whole was of a high order, cut blooms of Dahlias being shown in large numbers, with strong competition in the Cactus classes. It seems too bad to bar out-of-State exhibitors from competition, also to withhold first premiums from exhibitors in all classes where there is no competition, no matter how high the quality of the article shown.

ALEX. MACLELLAN.

Zanesville, O.

The florists of the city and their employees enjoyed an outing at Moxahala Park on Sept. 22. One of the features was a ball game between the men and the women, the latter winning by 15 to 14. Eight races were pulled off. Ralph Factor winning in the free-for-all for men and the backward race for men. Miss Goetz of Lancaster won the ladies' free-for-all; Elmer Goodlive and Miss Goetz the locked arm race; George Caton, the old man's race; and Miss Goetz the ladies' backward race. A big basket dinner was served. It was decided to have a picnic next year. A florists' club was also organized with J. T. Goodlive, chairman; Edward Caton, secretary, and Henry Schwab, treasurer. They will hold social meetings each month.

The Rochester Aster Industry

Messrs. James Vick's Sons state they much wish they could have run their excursion train about the middle of September rather than the middle of August, as was necessitated by the fact of the presence in Rochester of the members of the S. A. F. at that time, as there was never a period in the history of their house when the quality of the stock was as good as it was toward the end of September. Their grower, Mr. Arnold, has certainly worked out some extra fine strains, and it was considerable of a sight to see thirty acres of Asters on one farm practically all in bloom at the same time.

THE MACNIFF HORTICULTURAL CO.

62 VESEY STREET, NEW YORK CITY

Will Sell at Auction



Every Tuesday and Friday, at 11 A. M. Sharp, throughout the Autumn Season

Large assortments of **PALMS, FERNS (Boston, Whitmani, etc.), FOLIAGE PLANTS, ASSORTED CONIFERS, BULBS, Etc.**

Also **CALIFORNIA PRIVET** from the best local growers.

Please mention the Exchange when writing.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

Please mention the Exchange when writing.

Cheap Palms

PHOENIX RECLINATA, beautiful specimen from 8, 9 and 10 in. pots, $2.00 and $2.50 each. From 12 in. tubs, $3.50 each.

LATANIA BORBONICA, strong, healthy, outdoor grown, dark green, ready for 2½ inch pots, $1.50 per 100, $12.00 per 1000. **Express prepaid.**

WASHINGTONIA ROBUSTA, fine stock from 6 inch pots, ready for a shift, 50 cents each, $4.50 per dozen.

AVENUE FLORAL CO., New Orleans, La.

Please mention the Exchange when writing.

GENISTAS

in sizes. Send for prices.

DRACÆNA INDIVISA, 2½ inch stock, extra strong, 6 cents each.

TABLE FERNS, bushy, out of 2½-inch pots, mixed. 3½ cents; 4-inch, 7 cents.

BOSTON FERNS, ready for your store trade. Write me your wants.

Cash with order, please!

H. E. LE PAGE,

STAMFORD, CONN.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassed in five colors including fringed varieties, extra well grown plants from 3-inch pots, $7.00; from 4-inch pots, $15.00; from 5-inch pots, $25.00 per 100.

PRIMULA obconica grandiflora and Gigantea, Ronsdorfer and Lattmann's Hybrids well grown stock from 4-in. pots, $10.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine KENTIAS

Send for Price List

Please mention the Exchange when writing.

VINCA VARIEGATA

Strong field-grown, $4.00 per 100.

READY NOW

S. J. GALLOWAY, EATON, O.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

2 TO 8 DUANE STREET, NEW YORK

2000 Marguerite DAISY PLANTS

2½-inch pots **$3.00** per 100

PAUL FISCHER, Wood-Ridge, N. J.

Please mention the Exchange when writing.

Field-Grown Vincas

$6.00 per 100, $50.00 per 1000.

DRACÆNA INDIVISA

3-inch 6c., 4-inch 12c., 5-inch 20c. and 6-inch 30c.

Scranton Florist Supply Co, SCRANTON PA.

Please mention the Exchange when writing.

Buffalo

Members of the Buffalo Florists' Club are busily working and planning for the success of the flower show to be held at Convention Hall, November 2-5.

The committees that are to have charge of the show are as follows: Executive—William F. Kasting, W. J. Palmer, S. A. Anderson, Charles Sandiford, Charles H. Keitsch, David Scott, J. F. Cowell. Show and hall—George McClure, Jr., Charles F. Guenther, Charles H. Keitsch, William B. Scott. Press—W. A. Adams, E. A. Slattery, Otto Gillis, Robert Scott, Albert Keitsch. Music—J. Rowland Cloudsley, J. Benson Stafford, Joseph Sangster. Finance—William F. Kasting, W. J. Palmer, S. A. Anderson, Louis H. Neubeck. Reception—President Joseph Streit and 25 members of the Club.

New Bedford, Mass.

Trade good. Asters are about done. Some nice Carnations are coming in, retailing at 50c. per doz. Roses retail at $1.25 and $1.50 per doz.; Violets at 75c. per 100 blooms. Some good Snapdragon is to be seen, mostly light pink and white; it retails at 75c. per doz. A few 'Mums are in the market, retailing at $2.50 per doz. Dahlias are still to be seen, also a few Gladioli and Tuberoses. Fine white flowers are rather scarce.

Funeral work is good and calls for quantities of suitable flowers.

The stock and fixtures, pot plants, flowers, etc., of J. H. Cleary, the Pleasant st. florist, who failed a short time ago, were sold at auction last Saturday by order of S. S. Peckham, who was appointed trustee at the first creditors' meeting, Sept. 21, last. Some good bargains were made, the bidding not being very spirited.

S. S. Peckham is sending in some nice Snapdragon of good quality; he is also cutting some nice 'Mums at his Fairhaven place.

E. G. Davis is making a specialty of cut Fern fronds of the Whitmani variety.

We have had no frosts as yet and there is still plenty of flowers out of doors, though not many suitable for marketing. We are having a fine Indian Summer with the days hot and the nights cool. A good rain would be of great benefit. About all the Carnations are housed now. HORTICO.

Barred from Show

New Bedford Dahlia growers who attempted to participate in the Dahlia show at the recent Rhode Island State Fair in Providence received a severe jolt when, laden with numerous boxes of their choicest flowers, they arrived at the fair and were prevented from entering the competition, as they had done in previous years. W. F. Turner had 10 boxes of flowers, W. D. Hathaway had a large quantity, and George H. Walker of Dighton arrived with a big display. But the officials of the fair would not allow the entries of the Dahlias and the trip of the exhibitors had been for nothing. The reason given by the authorities was that the awards had to be confined to Rhode Island growers.

Syracuse, N. Y.

There have been no killing frosts to date, Oct. 2, so outdoor flowers are plentiful. Asters are getting scarce and mostly second rate; they have been very popular this year, and the quantity has been exceptionally good. Gladioli are coming into favor, and have been largely used in many decorations.

Trade is very good, and has been since the Summer vacations ended. Society people are entertaining quite lavishly, and there are a number of October weddings to be held.

New crop Carnations are coming in nicely and the quality is very good for first cut.

P. R. Quinlan is cutting some good Golden Glow Chrysanthemums, which sell well at $3 a dozen. His Roses are doing very well, and his first crop is giving some very good flowers, American Beauty especially so. He is picking some very good single Violets, the first to be seen here.

Burt's window is always well dressed and attractive. He is showing a very fine strain of Celosia which sells well. Kochia, too, has been quite a specialty here, and a large stock has been sold this season.

Last year, our Chamber of Commerce, through the efforts of Prof. J. A. Shea and Park Supt. Campbell, offered prizes for the best kept lawns among the working classes. It proved such a success that this year the scheme was enlarged, and $200 was offered in prizes, which have just been awarded. There were three classes: A, for houses assessed at $800 or less; B, $800 to $1200; C, $1200 to $2000. There were three prizes of $20, three of $10 and twenty-one of $5 each. One hundred and twenty-five competed, which shows the interest taken in the contest.

The vast amount of good accomplished, both as regards the beautifying of the city as well as the home surroundings, cannot be estimated by dollars. That the florists and seedsmen are greatly benefited goes without saying, and I would earnestly urge all florist's clubs during the Winter meeting to take up the matter, and try and inaugurate a similar movement in their cities. H. Y.

Prices Advertised in these Columns are for THE TRADE ONLY

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our Greenhouses, in 7 inch and 8 inch pots, 2 to 3 feet tall, price **$2.50** and **$3.00** each

JULIUS ROEHRS CO., Rutherford, N. J.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Notes on Hardy Phloxes

When you glance over the long list of Phloxes advertised, it is hard to make up your mind just what to order, as matters stand. There are altogether too many varieties listed, and so many of them are useless. As with the Peonies, there are certain varieties which are sold under different names. All this is very misleading and a thorough weeding out of at least some of the purple or bluish pink sorts would be a blessing. With us, whenever we talk Phlox to a customer the very first thing we hear is, "I don't want any of those lavender ones"—and there certainly are some awful colors. If you want to see Phloxes at their best, just order from the nurseryman, say, 1000 plants, selection of varieties to be left to him, and you will be astonished. What the retail grower wants, for his trade, is just four good colors: a red, or as near red as we can get at the present time; a good deep and light pink—of the latter we are still short, and, perhaps, the most beautiful one in that line is Eiffel Tower, a variety I have seen this Summer at the trial grounds of Ellwanger & Barry, but I don't think it is on the market yet; and of as great importance as any is a good white. Any grower who has stock of any good Phlox on his grounds should take advantage of the present time and lift a few good plants. After they are labeled and cut down they can be plunged into a coldframe from which, when removed about January 1 to a Carnation house temperature, they will produce hundreds of cuttings from each plant, which will root easier than anything you can stick into the sand. These cuttings, potted up when rooted, into 2½'s, will all bloom the first season, if planted out into the field. But whatever you do, don't propagate any which you know are no good; there are plenty of them on hand now, but there is room for more good, true colors.

The Easter Lilies

A Good Way for the Small Grower to Handle Them.

From now on, the Lily bulbs intended for Easter blooming will arrive. The specialist, who grows thousands of them and has houses which he devotes entirely to their culture, where facilities are on hand to maintain any desired degree of heat if necessary, usually plants his bulbs towards the end of October, even up to the middle of November, and with him it matters little on what date Easter falls; for, after all is said and argued for or against certain methods of forcing Lilies, when the bulbs are once fairly established through a good root foundation, it is moisture and heat which has to do the business, and the less check the plants receive, when once started to go ahead, the more successful will the undertaking turn out to be. I claim that if the small retail grower, who uses perhaps 300 to 400 pots of Lilies for Easter, has to plant and plan in order to get just this number in on time, it is by far cheaper for him to buy his wants two weeks before Easter; that is, if at all within reach of a Lily grower. Let him pay 12½c. to 15c. per bud for good stock; he can't grow good stock any cheaper, especially when growing only a limited amount, and that just for a certain date. With most of us who conduct a retail place, more or less Lilies are made use of right along, and where this is a fact no better investment could be made than to plant a few hundred of the Formosum variety right now. Get the 7-9 inch bulbs, pot up into 5-inch pots. Keep them cool up to the middle of November, or even later, and let them come along then in a Carnation house. Some of them will be in bloom weeks before Easter, but many will be just right for that day. You can always do a little pushing or holding back whenever found necessary.

A Reminder

Are You Ready in Every Way for the Winter Season?

If you include in your next week's work the getting ready, in every detail, everything necessary in the show house, store or salesroom to begin a new season's business, you are on the right track. Usually, in the larger cities, the first part of October is considered too early to do much business, the customers have hardly returned from their Summer homes. But with the florist in the smaller towns, the first good frost, the one that puts the finish to the tall French Marigold and the Nasturtiums, will bring also telephone messages to "Get our Fern dish for refilling." We consider this the beginning of the Winter season, and you should be found ready for it, everything spick and span, ready to do business; not only ready with a good supply in the plant and flower line, but also with a complete assortment of cut flower boxes, a proper supply of wax and tissue paper, wrapping paper, twine, ribbon, waterproof gauze and crepe paper, pins, plain cards, vases, pot covers, and the many other things necessary to fill orders promptly and in proper shape. So much depends in our day on the way orders are put up and delivered, that it is only fair to investigate as to how others manage, at least, the men who are successful. How about your supply of Ferns for the filling of dishes? Is there a good stock of suitable varieties on hand? If not, don't wait a minute; there are plenty in the country, get some, and while at it get enough. We have every reason to look forward to a most prosperous season; more flowers and plants will be sold than ever before. So get ready for it, if you expect a full share of the business.

The Palms and Ferns

Get a Good Supply for the Coming Season

The longer you put off the ordering of your wants in decorative stock, such as Palms and Ferns, the more chances you run, in more than one way. To begin with, I don't believe there is a retailer who grows all of his own stock. Every one of us buys. There is bound to be something the other fellow can do better than we are able to, and it is well that it should be so. Any Palms to be sold for the coming season ought to be on hand by October; they will not get any cheaper by waiting before placing the order, but surely will grow into money if on your place and taken care of. If stock is to be shipped any distance it can still be done by freight, and there is certainly a difference in rates, worth while considering, between freight and express. Again, there is always a heavy call for Palms and Ferns in early Fall, when the customer is getting ready to decorate the living rooms for the coming Winter months, and you are likely to lose some good sales by not having a complete assortment of the different sizes of stock used for this purpose. While on the matter of suitable stock, it might be well to mention that the Kentia among the Palms, and the Bostons among the Ferns, are still at the head of the list of all the many other sorts. A well grown Kentia is as valuable, or more so, as ever, and with all the many new additions to the list of Ferns, the Boston is as much in demand as ever it was, and, as Mr. George, Jr., of the Storrs & Harrison Co., told me a few weeks ago of Hardy Hydrangeas, the more of them that are sold each year the more are wanted the next. The same is true of the Bostons. In six weeks from now Bostons, in good sizes, will not be so plentiful as they are now, so, if short on certain sizes, stock up with them, and a few of the varieties, such as Whitmani, Scottii, elegantissima and, perhaps, superbissima. In Palms, Arecas, Phœnix, Latanias, Aspidistras and Raphis are all fine material for decorating, and a good stock of them should be found in every establishment, whether large or small. A good stock of such plants is as valuable an asset in a business as anything you could have.

Perennials

Potting Up Field Stock for Spring Sales

If you are located so as to be able to dig and deliver your perennials without having to make long trips, it would be only extra work to pot up the field stock. However, with most of us there are always orders during Spring which have to go by freight or express, sometimes many miles from home; and, again, by only using the field grown stock in Spring the planting season is limited to a very short time, while if pot plants are on hand you can plant up to June, even later. The only disadvantage there is with potted plants is the size. We have occasionally a call for extra heavy stock, such as will produce immediate effect, and for which the customer is willing to pay a good price; but in such cases you can still go to the field. It wouldn't be advisable for the grower to pot up his entire supply, but it does pay to have some of both kinds. If you have stock on hand now, grown from seed sown out during last Spring and Summer, of such varieties as Coreopsis, Gaillardia, Digitalis, Delphiniums, Aquilegia, Dianthus, Heuchera and others, pot up a good number and place the plants in a coldframe; 4" to 5" pots are usually large enough to hold any of such plants. You



THE NEW FERN NEPHROLEPIS DREYERII

(SPORT OF BOSTON)

THIS New Fern, when exhibited at the S. A. F. & O. H. Convention recently, received the following description: "Nephrolepis Dreyerii has *many good points* which will render it *popular*. It makes a *quick growth*, is *compact*, of *good color*, and stands considerable *rough treatment*, adapting itself to almost any condition. It is of the Scottii type, but *not as stiff*, the fronds drooping *gracefully*, giving the plant a very *attractive appearance*."

Ready for delivery after October 1. PRICE: 2¼ inch pots, per 100 $25.00; per 1000 $200.00

KESSLER BROS., 136-138 West 28th St., NEW YORK CITY

Grown by G. Dreyer, Elmhurst, Long Island

Please mention the Exchange when writing.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO., 35-37 RANDOLPH STREET Room 302 CHICAGO, ILL.

A. T. PYFER, Manager

Please mention the Exchange when writing.

CARNATIONS FIELD-GROWN

3000 Pink Lawson at $4.00 per 100, $30.00 per 1000.
1000 Wolcott, 300 Red Lawson, 300 Gov. Wolcott, at $5.00 per 100.

Nice, fair-sized plants. For one week only. Cash with order.

JOS. H. BLACK, SON & CO., Hightstown, N. J.

Please mention the Exchange when writing.

TO CLOSE OUT WE OFFER

Carnation Plants

AT $4.00 PER 100

1500 Harry Fenn 500 Mrs. Patten 500 White Perfection

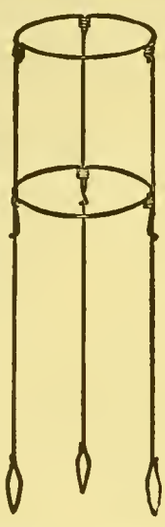
EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

THE

MODEL

Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.

93-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Now is the Time to Pot Up

"CHRISTMAS CHEER"

The Scarlet Pot-Carnation

Put it into cold frames and let it establish itself.

Now is the time to place your order.

$15.00 per 100, $125 00 per 1000

February delivery, January all booked.

It's guaranteed to make good.

H. EICHHOLZ FLORIST WAYNESBORO, PA.

Please mention the Exchange when writing.

Field-Grown Carnations

HEALTHY, THRIFTY STOCK

	Per 100	1000
White Enchantress	$7.00	
Rose P. Enchantress	6.50	
Light P. Enchantress	6.00	
Winona	6.50	60.00
White Perfection	6.50	60.00
Beacon	8.00	

250 at 1000 rate. Cash with order, or references.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

In Season

WILLIAM SWAYNE, Kennet Sq., Pa.

P. O. Box 215

Please mention the Exchange when writing.

Large Field-Grown

Carnation Plants

Lord, Mrs. Patten, Harlowarden.

$5.00 per 100, **$40.00** per 1000.

FRANK NIQUET PATCHOGUE, N. Y.

Please mention the Exchange when writing.

Fine Carnation Plants

Field-Grown, Fair Maids, all clean and healthy stock, $4.00 per 100. Cash with order.

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6000 Boston Market Carnation Plants

Strong, well branched and free from disease

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can also pot up divisions of such plants as Phlox, Shasta Daisies, Iris, Peonies, Bleeding Heart, Helianthus, Vinca minor, Heliopsis, Rudbeckia, Monardia and such others as are usually propagated by dividing the old plants, and while you are at this work pot up some Ampelopsis Veitchii.

Chrysanthemums

Don't Cut the Flowers Before They are Finished

While Golden Glow has been with us for many weeks, it is October Frost and Monrovia which really open the season, and they are both here once more, with fine flowers, and while they move at fair prices far more could be realized in that respect if Jack Frost would finish the Dahlia crop, although for the present there is no sign of it and as long as any outdoor flowers are to be had, no matter of what nature, many of them will be preferred to any indoor grown stock and this is bound to have a bad effect on the early 'Mums. I noticed the other morning, on entering the house where the early Chrysanthemums are, that the heavy dew we had during the night had entered through the ventilators and reached the partly open flowers. Now, for the hardy outdoor 'Mums this is of no great consequence, or liable to do any harm; but with the indoor grown plants nothing could be worse, a dry atmosphere is essentially necessary if a perfect finished flower is expected. To me, it matters little whether the temperature of the house goes down near 40°, but by all means keep a crack of air in the house, and keep a little fire during the night. If you have your stock in good shape the plants will produce good sized double flowers, and the larger the flowers the more care will be required to finish them properly. Let me call the attention of the beginner to the mistake quite often made in cutting the flowers before they really are fit to cut. This does happen, not so much due to not knowing when the flowers are open and ready, as to being over anxious to get them to the market. If you retail your own stock and a customer wishes to pay a fair price for flowers not fully open, all well and good; if, however, you ship, such flowers don't stand any show against such as are in the proper finished state. There are varieties with an open center which, when allowed to remain too long, might suffer, but many, many fine blooms come to the market before they are fit or finished.

Cultural Notes

For the Midseason and Late Varieties of 'Mums

Perhaps nothing is of greater importance now in regard to the care of the midseason and late varieties, than to keep the plants clean and free from aphis. Fumigating when the buds show color and begin to unfold their petals is out of the question. Light fumigating might not affect some of the varieties, but when once the pest has got a foothold it usually takes more than light fumigating to get rid of it, therefore attend to all this now; even if there isn't a sign of aphis or green fly in the houses, fumigating is in order to prevent an appearance. I speak of fumigating because many growers make use of this method. Spraying is just as good, and if faithfully attended to every week I like it better. While on this subject I might mention our experience with the new insecticide "Aphine." We used this preparation on a hundred-foot Chrysanthemum house from the time the stock was planted out in May up to the present. A spraying was given once every week, and while two successive applications were required to get rid of a dose of aphis the plants had when planted out, the stock after that was kept entirely free from it, by applying a weekly spraying of a strength according to directions. I don't know what Aphine is made of, and it really matters little; the important part, besides its effectiveness, to the grower is its cheapness, for to keep this house free from these insects didn't cost quite $1.50 all Summer. When the flowers of any of the stock, whether early or late, begin to open, feeding should stop, for feeding after this might only have a tendency to produce a soft, flabby flower. Keep up the removal of any superfluous growth, or small buds; none of such should be allowed to remain; the work and worry of the Chrysanthemum grower does not cease until the flowers are cut—no let up or rest until then.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. **Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo,** $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

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FIELD-GROWN Carnations

Strong plants. **1000 QUEEN, 1000 ENCHANTRESS, 1000 BEACON,** $50.00 per 1000. I will take $115.00 for the 3000 plants. Cash.

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CARNATION PLANTS Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65 00 per 1000; Pink Enchantress White Perfection, Bountiful, Winsor $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

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CARNATION PLANTS

Fine, Field-grown, 600 Fairmaid, 300 Sensation (dark pink), **200 Eventide** (red), $4.00 per 100, $35.00 for the lot. Cash with order please.

E. L. RILEY, R. F. D. No. 2, **Trenton, N. J.**

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A splendid lot of well-shaped plants, of good color.

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6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00
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We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.

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8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
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10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
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8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
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We offer a fine lot of this desirable miniature Fan-Palm.

4-in. pots, $3.50 per doz., $25.00 per 100.

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Good 6-in. pots	$1.50
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This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Each
4-in. pots, nicely characterized	$0.60
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We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

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Nephrolepis Bostoniensis (The Boston Fern)

	Each
6-in. pots	$0.50
10-in. pans	2.00

Nephrolepis Scholzeli (Crested Scott Fern)

2¼-in. pots, $1.25 per doz., $8.00 per 100, $75.00 per 1000.

6-in. pots, 50c. each. 10-in. pans, $2.50 each. 8-in. pots, $1.00 each.

Nephrolepis Whitmani (The Improved Ostrich Plume Fern)

2¼-in. pots, 75c. per doz., $5.00 per 100, $40.00 per 1000.

4-in. pots, 25c. each. 6-in. pots, 50c. each. 10-in. pans, $2.00 each.

Asplenium Nidus Avis (The Bird-Nest Fern)

A nice thrifty lot of this interesting Fern.

	Each.	Doz.
3-in. pots	$0.30	$3.00
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Pteris Wilsoni

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	Per 1000
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Araucaria Excelsa

	Each.
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in. high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Glauca

	Each.
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

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5-in. pots, 10 to 12 in. high, 2 to 3 tiers	$0.75
6-in. pots, 12 to 14 in. high, 2 to 3 tiers	1.25
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A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

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6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

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A grand lot of well colored, perfect plants.

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6-in. pots	$1.00

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HENRY A. DREER, Inc. 714 CHESTNUT STREET PHILADELPHIA, PA.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(82) **Twin Dahlia Blooms.**—I send you a bloom of a Dahlia, new to those who have thus far seen it. I would like to know if it be unique and of value, and if so, how best to perpetuate it. This is the terminal blossom on one of two tall stalks. The other stalk bears a variegated flower of the ordinary type. I know little of Dahlia culture and shall await your suggestions before taking action.—M. M. C., N. Y.

—The specimen submitted is very interesting. Two well formed Dahlias looking like the Maid of Kent variety are growing on one flower stalk, with their backs (calyxes) entirely grown together, and with their faces (petals) turned in opposite directions. The specimen reminds one of Janus, the two-faced god of the Romans, and it certainly should be named Janus, if it could be perpetuated, but it is feared that it is only a freak of Nature, to which especial freak the Dahlia seems inclined. If the grower, however, cares to try, he can propagate now, from the branch which bore this double Dahlia, by means of cuttings, and see what the result will be. It will probably, however, fail to perpetuate the freak bloom.

(83) **Mushroom Growing.**—I have a large cellar, a short distance from my greenhouses, and was advised by some of my men to grow Mushrooms in said place, but not knowing anything about growing them appeal to you for information in the matter, and for the names and addresses of some of the principal growers.—J. J. C., Md.

—"Mushroom Culture," price 10c., can be obtained from the A. T. De La Mare Ptg. & Pub. Co., 2-8 Duane st., New York City. You can both buy Mushroom spawn of any of the leading seedsmen whose names appear in our advertising columns, and also obtain the names of some successful growers to whom they sell spawn, and to whom you can write.

(84) **Will Locust Boards in Rose House Benches Cause Mildew?**—Is Locust wood used in greenhouse benches detrimental to Rose growing? The above subject came under my notice lately with a large commercial grower in this district. Last year, 1909, was the first year this grower ever used Locust wood for benches. This particular Rose house is 200 ft. long and 21 ft. wide and Locust was used for the bottom boards of the benches, and Cypress on the sides. Roses were planted in March 1909 for Summer blooming, as the house was just completed. The stock did well until three months after planting, when the plants got covered with mildew, and no remedy known could prevent it. This went on with no good results. The plants were dried and rested during December and January, 1910, and a low temperature run. Then in February the plants were started up, but pruned back slightly, and all decayed and diseased leaves removed previous to this. The benches had good drainage, soil seemed all right, and syringing, airing, etc., was strictly under the supervision of the owner of this place, who is a thoroughly practical man and has been in the business over 30 years. Now, the question confronts the owner, what is the trouble? Is it the soil, climate, care, or the Locust wood? In July, 1910, the plants were all lifted off the benches and the Locust boards were removed, dipped in a strong solution of lime water, and placed in position again, the old soil removed and fresh soil put in, which had been well prepared previous to planting time. The half of the house was planted with young stock and the other half with the old stock, cut back. At this date the house is one mass of mildew which began to show about two weeks ago, or say eight or nine weeks after planting, about the same time as last year when the roots would be in close touch with the bottom boards. Sulphur was used in many ways but without avail. 'Mums and Carnations are grown in the same range, with Locust used, and no bad effect is seen on either of them. Shall be pleased to have your opinion on this subject through the columns of your valuable paper, or through some of your readers who have experience. Are we right when we blame the Locust wood, if not what is the trouble? If it is the Locust wood or its acidity that causes the stoppage of the rootlets, would a skin of cement, say ⅛ in. to ¼ in. thick, laid on the bottom boards, remedy the trouble? There is just the one kind of Locust used for greenhouse work, but the color varies in different districts. I understand, it varies from yellow to white; the former predominates here.—J. D., Pa.

—The name of the Roses planted is not mentioned. It hardly seems probable that the mildew on the Roses was or is attributable to the use of Locust boards. An expression of opinion from those who have used Locust boards in Rose houses will be appreciated.

(85) **Pronunciation of Name "Proserpine."**—To settle a dispute kindly give the correct pronunciation of the word "Prosperpine." This refers to the single Tulip bearing that name.—B. L. C., N. Y.

—The word "Proserpine" in both Webster's Dictionary and the Century Dictionary is pronounced Pros'-er-pin. This is the prose pronunciation, and the proper one when speaking of the Tulip of that name. The poet Milton, for metrical purposes, used the word with the accent on the second syllable, thus: Pro-ser'-pin. Possibly this last mentioned Miltonian pronunciation has given rise to the "dispute." The Greek goddess Persephone (Per-seph'-o-ne), the Latin form of whose name was Proserpina and the English form Proserpine, was a daughter of Ceres and Jupiter. While gathering flowers Pluto carried her off to the infernal regions, where he married her—according to mythological history. As queen of hell Proserpine presided over the death of mankind. The rosy carmine color of the Tulip doubtless suggested the name as being equivalent to "Queen of Hell."



Zanesville (O.) Florists' Club

The organization of the Zanesville Florists' Club was completed on September 22, by the election of the following officers: President, J. T. Goodlive; secretary, Edward Caton; treasurer, Henry Schwab.

Monmouth Co. (N. J.) Hort. Society

The Monmouth Co. Hort. Society held a meeting on Friday evening, Sept. 30, with President Dowlen in the chair. Quite a number attended as there were no meetings through the Summer months. The main business of the evening was preparation for the Fall Chrysanthemum exhibition, which will be held in the armory, Red Bank, on Oct. 26-27.

WM. TURNER.

Springfield (O.) Florists' Club

The Springfield Florists' Club held an election of officers at its meeting Sept. 20, and the following were chosen for the coming year: President, Charles W. Schmidt; vice-president, Christian Binning; secretary, C. Earl Bethard; treasurer, Harry C. Reeser.

John M. Good and George H. Mellen were appointed a committee to circulate among local florists a petition for the adoption of a parcel post system by Congress. The candidates for Congress from this district will be interviewed and requested to define their attitude toward the question, it being the opinion of the members that the real opposition originates among the express companies of the country.

The club voted a contribution of $25 to the publicity department of the postal department of the Postal Congress League of New York City.

New Jersey Floricultural Society

The fifth annual Dahlia show of the New Jersey Floricultural Society was held in Lindsley Hall, 240 Main st., Orange, on Oct. 1. There was a large attendance. The quality of the exhibits was first-class, and taken altogether the show was the best of its kind the Society ever held. Mayor Arthur B. Seymour of Orange, opened the show. Walter M. Gray of Maplewood, N. J., captured the Hitchings & Co.'s silver cup, in the class for the best six flowers of Show, Decorative and Cactus Dahlias. S. M. & A. Colgate, Wm. Reid gdr., were awarded the second prize cup, donated by James Laing, Orange. A. E. Jenkins, Albert F. Larson, gdr., was awarded the third prize cup presented by the Society. Other first prize winners were Walter M. Gray, Albert F. Larson and Max Schneider. William Tricker of Arlington, N. J., had a fine display of outdoor Roses on exhibition, for which he received a cultural certificate. The judges were William Tricker, Arthur T. Caparn, and James Carsewell.

WILLIAM REID, Secretary.

Bernardsville Hort. and Agri. Soc.

The first annual exhibition of this Society was held on Sept. 14 and 15 in the auditorium of Bernard's Inn, Bernardsville, N. J., and proved a most gratifying success, as to both the number of entries staged and in the attendance, there being over 600 visitors present in the two days the exhibition was held. Some 66 classes were listed and there was competition in nearly every one of them, the contestants being principally the gardeners for the various estates of the locality. The judges were Messrs. Wm. Duckham and Wm. Totty of Madison, N. J., and Mr. Wills of Katonah, N. Y., to whom the Bernardsville Hort. Society tender hearty thanks for the capable manner in which they officiated.

Among professionals, Dreers' of Philadelphia made a fine display of Water Lilies and Dahlias; Julius Roehrs Co. of Rutherford, Orchids and pot plants. Several prizes for the show were contributed by Hitchings & Co., Rickards Bros., Burnett Bros., Weeber & Don, Lord & Burnham Co., all of New York, and Wilson Plant Oil and Fertilizer Co. of Chatham, N. J.

Rhode Island Horticultural Society

The Rhode Island Horticultural Society held a successful exhibition of Asters and Dahlias in Columbia Hall, Providence, on Thursday and Friday, September 29-30. Many considered this exhibition the best ever seen in Rhode Island. The hall superbly decorated for the exhibition and the massing of the Dahlias and Asters made a very pretty effect. Many new varieties were exhibited. There was a large number of entries, and the exhibits were all arranged to make a beautiful showing. The stagings were under the direction of Wm. Appleton, and Chas. W. Smith, secretary of the Society. The principal exhibitors were: W. D. Hathaway, New Bedford Mass.; H. Prest, Providence, R. I.; Geo. H. Walker, No. Dighton, Mass.; Wm. F. Turner & Co., New Bedford; Mrs. M. A. Jahn, New Bedford; O. P. Chapman, Jr., Westerly, R. I.; Joshua Vose, Mayfield Dahlia Farms, Pontiac, R. I., H. F. Burt, Taunton, Mass.; and Ernest Howard, Eden Park, R. I.

Chas. W. Smith, secretary of the Society celebrated the 80th anniversary of his birth at this exhibition. Mr. Smith has held the office of secretary of the Society for 22 years, and 20 years he has also been treasurer. Mr. Smith is vice-president of the National Horticultural Congress, an honorary member of the Worcester County Horticultural Society of Mass., vice-president of the new England Horticultural Society, vice-president of the New England Breeders' Association, and a member of several other societies. He is very active for a man of his age and was congratulated by many, who wish him many returns of the anniversary.

H. C. N.

Nassau County (N. Y.) Hort. Soc.

The Dahlia show was held at Pembroke Hall, Glen Cove, L. I., on Sept. 28. Some very fine blooms were shown, and the hall was well filled with the numerous entries. Winners were as follows: Collection of 50 vars., silver cup presented by Henry A. Dreer, Inc.—1, W. Eccles; 2, G. Barton. J. Stanley Brown's prize for best 24 Cactus vars.—1, W. Eccles; 2, G. Barton. Best 12 Cactus vars., not over 3 years old, W. W. Rawson's silver medal—1, G. Barton; 2, W. Eccles. Best 6 Cactus—1, G. Ashworth; 2, G. Barton. Best 12 Decorative—1, G. Barton. Best 6 Decorative—1, G. Barton. Best 6 Show—1, G. Barton. Best 12 Singles—1, G. Ashworth; 2, J. Kirby. Best 6 Singles—1, H. Gaut; 2, G. Ashworth. Best vase Cactus—1, G. Barton; 2, Al. Golon. Best vase Decorative—1, G. Barton. Best vase Pompons—1, H. Gaut. Best vase Peony-flowered—1, G. Ashworth; 2, H. Gaut. Best 6 Peony-flowered—1, G. Ashworth; 2, H. Gaut. Best vase seedlings—1, J. Kirby. Best vase mixed Cosmos—1, J. McDonald. Best vase of Cosmos, pink—J. McDonald. Honorable mention was awarded to Geo. H. Peterson of Fair Lawn, N. J., for two vases of Rose W. R. Smith, blooms of great merit, a very fine novelty; to I. Reidenbach for a grand vase of Gladioli; to W. Eccles for a fine vase of Carnations; to Henry A. Dreer, Inc., of Philadelphia for a fine display of Dahlias, over 180 vars. I noticed among the Dreer exhibit a splendid bloom of that grand, new Peony-flowered Dahlia, Geisha, one of the largest flowers in that class. Children had also good exhibits of outdoor flowers. O. E. ADDOR, Cor. Sec.

The farmers were sitting around the stove in the general store and telling how the potato bugs had gotten their crops. Said one farmer:

"The bugs ate my whole crop in two weeks."

Then another spoke up:

"They ate my crop in two days and then sat around on the trees and waited for me to plant more."

Here the storekeeper broke in:

"Well, boys, that may be so, but I'll tell you what I saw in this very store. I saw four or five potato bugs examining the books about a week before planting time to see who had bought seed."
—*National Monthly.*

Coming Exhibitions

Albany, N. Y., Nov. 10-12, 1910.—Second Annual Flower Show under the auspices of the Albany Florists' Club. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Show to be held in Convention Hall by Buffalo Florists' Club. Wm. F. Kasting, Chairman of Committee.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., Oct. 26 and 27, 1910.—Tenth annual Fall exhibition of the Lenox Horticultural Society, to be held in the town hall. George H. Instone, secretary, Lenox, Mass.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Red Bank, N. J., October 26, 27, 1910.—Chrysanthemum exhibition of the Monmouth Co. Horticultural Society, in the Armory, Red Bank.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner,** $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulin,** $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner,** $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffeltii** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

All Rooted Cuttings we shall have, booked for October; **with the exception of MADAME BUCHNER.**

CASH WITH ORDER.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings ready last of October. **NUTT** and **BUCHNER,** $10.00 per 1000. **POITEVINE, RICCARD, DOYLE** and others, $12.50 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Orders booked for later delivery of the following varieties: **Nutt, Buchner, Vlaud, Castellane, Jaulin, Doyle, Grant, Ricard** and **Poitevine,** $10.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Cheaper than the Cheapest, Good as the Best.

S. A. Nutt	$11.50 per 1000
Ricard	14.00 per 1000
Poitevine	14.00 per 1000

Grown right—Rooted right
Packed right—Named right.

All sold until Nov. Better get your order placed for Nov. delivery.

COLEUS

Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

FERNS

	Bench	Pots
BOSTON, 5 inch	$0.20	$0.25
BOSTON, 6 inch	.25	.30
WHITMANI, 5 inch	.25	.30
WHITMANI, 6 inch	.30	.35
7 inch and 8 inch stock	50c. to 75c.	

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CATTLEYA SUPERBA ORCHID PLANTS

Another consignment expected to arrive about October 25. Sold in lots to suit purchasers, who should book orders early to prevent disappointment. Orders solicited for any South American varieties.

COLIN CAMPBELL, 2 Riverview Terrace, Foot of East 58th St., New York City

Please mention the Exchange when writing.

ORCHIDS

PLANTS and **FLOWERS** always on hand.

ORDONEZ BROS.

Madison, New Jersey

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

ASSORTED FERNS

FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000, 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and **Forsterlana,** 2¼-in., 4 leaves, $10.00 per 100.

NEPHROLEPIS Scottii, large plants, 7-in. pots; $1.00 each; 8-in., $1.25 each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $5.00 per 100, $40.00 per 1000; 250 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 3½-inch, 15c. each.

HENRY H. BARROWS & SON

WHITMAN, MASS.

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2½-inch pots, $30.00 per 1000

100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

HYDRANGEAS—FERNS All Pot-Grown Stock, 500, 4-inch **HYDRANGEAS, for Easter,** good strong plants. **FERNS, Scholzeli,** 2-in., $6.00 per 100; 4-in., $25.00 per 100. **Scottii,** 2-in., $1.00 per 100; 4-in., $15.00 per 100; 6-in., $10.00 per 100; 10-in., $12.00 per doz. **ASPARAGUS Plumosus nanus,** 3-in., $5.00 per 100. Cash with order. Stock guaranteed.

WM. C. SMITH, 61st and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Boston Ferns

Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns

Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.

QUIDNICK, R. I.

Anthony Post-Office

Please mention the Exchange when writing.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.

SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.

3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England

and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

ORCHIDS

Just arrived in fine condition. **Oncidium variosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.**

CARRILLO & BALDWIN, MAMARONECK, N. Y.

Please mention the Exchange when writing.

ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

LAGER & HURRELL

SUMMIT, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

FERNS Ferns from Bench

Boston, for 3-in., 6c.; 4-in., 10c.; **Runners,** $10.00 per 1000.
Elegantissima, for 3-in., 6c.; 4-in., 10c.; 5-in., 12½c.; **Runners,** $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.; **Runners,** $15.00 per 1000.
Amerpohli, 3-in., 8c.; 4-in., 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.
Giant Snapdragons from field, red and yellow, $1.00 per 100.
Rubbers, fine stock, 4-in., 20c.; 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE ALYSSUM, 2-in., $2.00 per 100.
FLOWERING BEGONIAS, 2½-in., $2.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; **White, Pink, Red,** and **Yellow,** $22.50 per 1000.
SINGLE HOLLYHOCKS, Mixed Colors, $20.00 per 1000.
DIGITALIS GLOXINIÆFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
GIANT PANSIES, Bugnot, Cassier, Odier, etc., Mixed, guaranteed A1, $2.50 per 1000.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

FERNS

Very Heavy Stock—All Pot Grown.
SCOTTII, 4-inch pots, $15.00 per 100; 6-inch pots, $40.00 per 100.
SCHOLZELI, very fine, 4-inch pots, $20.00 per 100.
TODEAOIDES, 4-in. pots, $15.00 per 100.
PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

HENRY ENGLER

4651 Lancaster Ave., Philadelphia, Pa.

Please mention the Exchange when writing.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.
COCOS Weddeliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.
ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.
ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.
CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN

Short Hills, N. J.

Please mention the Exchange when writing.

5000 FERNS **Boston, Scottii, Whitmani** and **Piersoni,** 2½-in., $4.00 per 100; from 4-in., $15.00 per 100. 100,000 **California Privet,** 3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $3.00 per 100; 2 to 2½ ft., $2.50 per 100; 18 to 24 in., $2.00 per 100; **all 2-year-old,** well branched; 500 and up, 2 per cent. off 100 rates. 100,000 2-year-old **Asparagus Roots,** $3.75 per 1000. 10,000 mixed **Peony Roots** for florists, $6.00 per 100. 100,000 **Canna Roots,** $12.00 per 1000 and up. **Cash.** 5000 **Field-grown Vinca Major,** variegated, strong, $4.50 per 100.

BENJ. CONNELL, Florist, Merchantville, N. J.

Please mention the Exchange when writing.

Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES

108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, will be ready in large lots, September 1.
ASPARAGUS Plumosus, new stock ready. Only 5000 **KENTIA Belmoreana** in 2¼-in. pots left.
Also a large stock of **BOSTON FERNS,** from bench, for 5, 6, 7-in. pots, ready for delivery.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder,** 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

FERNS

MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5.00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $65.00 per 100; 7 inch, $2.60 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $6.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS

Fine stock in two-inch pots, now ready for shipment, $3.00 per 100.

R. G. HANFORD

NORWALK, CONN.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 50c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 3¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A 1 grower of Roses and Carnations. Address "Florist," 156 East 33d st., New York City.

SITUATION WANTED—By gardener and florist, single, 25 years of age; good grower; best references. Address I. E., care The Florists' Exchange.

SITUATION WANTED—By young married man in store or greenhouse. Good designer and store man. Three years' experience. Good reference. Address K. A., care The Florists' Exchange.

SITUATION WANTED—As foreman on commercial or private place; 11 years' experience in Roses, Carnations, 'Mums, Orchids. Single, age 26. State wages. Address K. C., care The Florists' Exchange.

SITUATION WANTED—By foreman with 27 years' practical experience in cut flowers, pot plants, landscape work, etc. Private or commercial place. Address "Foreman," care of Kaiser, 134 E. 16th st., New York City.

SITUATION WANTED—By man with many years of experience in greenhouses, nurseries and gardening; quick and good worker. Prefer situation in New York City or Long Island. Address L. Zacha, 320 E. 71 st., New York City.

SITUATION WANTED—By an all-around florist, especially good in Carnations. Married, 12 years' experience, temperate. References. Competent to assume full charge. East preferred. Address Marshall Parker, Kennett Square, Pa.

SITUATION WANTED—By a first-class New York City florist and decorator with experience in the best stores and acquainted with the best trade. Only first-class stores considered. Best of references. Address, K. E., care The Florists' Exchange.

SITUATION WANTED—By gardener who can handle men to advantage; first-class grower of Roses, Chrysanthemums, Palms, Ferns and all stock. 20 years' experience. Please state wages and full particulars. Address K. D., care The Florists' Exchange.

SITUATION WANTED—By gardener, German, 34, married, 17 years' experience in inside and outdoor work; first class references. Private or commercial place; able to take charge. Address L. Hoffman, cor. 5th & Garden st., Hoboken, N. J. (Drug Store).

SITUATION WANTED — By all-around grower and propagator on private or commercial place; 17 years' experience; southern vicinity preferred. Parties desiring the services of a thoroughly experienced greenhouse man, please address P. O. Box 552, Westerly, R. I.

SITUATION WANTED—As foreman, American, 20 years' experience, both private and commercial; knows how to handle help to advantage. A 1 references. Married. Eastern or New England vicinity. Please state wages and full particulars. L. H. Butts, 98 West st., Easthampton, Mass.

SITUATION WANTED—By experienced grower of Roses and Carnations as assistant foreman on commercial or private place; 13 years' experience; 9 years in this country; age 27; references; good wages expected. New York State preferred. Address K. G., care The Florists' Exchange.

SITUATION WANTED—By young German, sober, steady; long years of experience in pot plants, cut flowers; 5 years in this country. Position expected as assistant on privale or commercial place. Good references. Address K. B., Florists' Exchange.

The use of these columns will obtain for you a desirable position at any time.

HELP WANTED

WANTED—At once, steady, sober gardeners to work at forestry work. State wages, experience, etc. Address "Forester," care The Florists' Exchange.

WANTED—Energetic young man familiar with filling seed and bulb orders. Apply stating experience and wages expected, I. J., care The Florists' Exchange.

WANTED—At Thorleys, New York, two young men who have had at least three years or more of practical experience in the Retail. No others need apply. Applicants from West preferred. Large salary.

WANTED—Man who understands Carnations or has had some experience. Must be temperate. State wages expected by the week. Address, F. B. Abrams, Blue Point, L. I.

WANTED—Man accustomed filling grass and agricultural seed orders. Also care of seed stock. Apply stating experience and salary expected, I. K., care The Florists' Exchange.

WANTED—Married man, experienced Rose grower as section foreman; dwelling on place. Address Piltsburgh Cut Flower Co., 121 7th St., Pittsburgh, Pa.

WANTED—A foreman and assistant gardener to grow bedding plants, etc. References required from last employer. Address Charles Krombach, 191-25th st., Brooklyn, N. Y.

WANTED—Rose grower and general greenhouse man to work under foreman; sober and industrious. If married have small house at nominal rent. Greenhouses in country 12 miles from Philadelphia. Write or call F. P. Gaul, care of H. H. Battles, Newtown Square, Del. Co., Pa.

NIGHT FIREMAN WANTED

Young man who understands night firing on place of about ten thousand feet, and willing to make himself generally useful; American preferred. Good furnished room near the boilers; heat and light free. Wages Forty Dollars to commence; advanced as fast as proves up. A chance for a man anxious to learn Roses. Enclose copies of references. I. M. Rayner, Greenport, N. Y.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. EDW. J. TAYLOR, Greens Farms, Conn.

FLORIST WANTED—Young man who is a first class designer, a good salesman and good storeman. Steady position. Good salary paid to right man. Write stating age and references, to K. F., care of The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

CARNATION PLANTS—Queen, $3.00 per 100. E. H. Frenking, 1200 Hamilton ave., Trenton, N. J.

FIELD GROWN CARNATION PLANTS
Harlowarden, first size, Lords and Queen Louise, second size, only $36.00 per 1000. F. B. Abrams, Blue Point, L. I.

FIELD GROWN CARNATIONS
Good clean, strong, healthy stock, Boston Market, $35.00 per 1000. Cash with order please. J. H. Bechamps, 300 State st., Flushing, N. Y.

EXTRA FINE CARNATION PLANTS
4000 Queen, $50.00 per 1000
4000 Lawson, $50.00 per 1000
Rowayton Greenhouses,
Rowayton, Conn.

500 STRONG, HEALTHY FIELD CARNATIONS, Harry Fenn, $5.00 per 100. Few hundred second size at $3.00 per 100. Bargain price for whole lot. Jacob H. Weaver, R. F. D. No. 6, Lancaster, Pa.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schanf, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS
Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 26, $12.00 per 100. Cash with order.
Henry Schrade,
Saratoga Springs, N. Y.

CARNATIONS
5000 field-grown plants for $30.00 per 1000 of the following sorts:
Enchantress,
Genevieve Lord,
Pink Imperial,
Queen Louise,
Lady Bountiful.
A. J. Thorp,
Bedford Hills, N. Y.

Continued to next Column.

STOCK FOR SALE

PANSY PLANTS

PANSY PLANTS, fancy show and giant market blends, ready now, $2.00 per 1000. Cash. F. E. Saunders, 25 Burnett st., Providence, R. I.

PANSY PLANTS—Pansy Park Perfection is the best strain of Giant, Show and Fancy Pansies. Flowers of the largest size, most perfect form and greatest variety of rich and rare colors and markings. Fine stocky, field-grown plants, sown thinly, broadcast, with extra fine roots, 1000, $3.00; 500, $1.75; 5000, $14.00. Cash with order. Pansies a specialty nearly 40 years. L. W. Goodell, Pansy Park, Dwight P. O., Mass.

MISCELLANEOUS

DRACAENA INDIVISA—Ready for 5-inch, $10.00 per 100. 2 years old, ready for 7 inch, $15.00 per 100. E. H. Frenking, 1200 Hamilton ave., Trenton, N. J.

VINCA, Variegated and Green, strong field-grown plants, $4.00 per 100, $35.00 per 1000. Cash with order please. France & Vandegrift, 401 Washington St., Monroe, Mich.

STEVIA, large pruned field plants, $5.00 per 100. STOCK CHRYSANTHEMUM PLANTS ready: Golden Glow, Reviere, October Frost, $3.00 per 100, $20.00 per 1000. I. M. Rayner, Greenport, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. ASPARAGUS Plumosus, 3-in., $4.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

STOCK PLANTS OF CHRYSANTHEMUMS Golden Glow can ship at once. Will have the following varieties, Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann, $1.00 per dozen, $5.00 per 100. Satisfaction guaranteed.
Brant Bros. Inc., Utica, New York.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Cash with order.
HENRY RUDOLPH, Essex Fells, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 600. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

FOR SALE OR EXCHANGE
Any part, several thousand best hardy white **Phlox, Mrs. Jenkins, Independence** and **Stella's Choice,** strong undivided, 1 yr. field roots, 75c. per doz., $5.00 per 100. Extra heavy 2 yr. clumps, $1.00 per doz., $7.00 per 100.
Want Phlox in exchange, particularly fine named Scarlet, but will consider any choice variety, not white. Samples exchanged.
Amon Heights Nurseries,
Merchantville, N. J.

TROY, N. Y.—The Abraham Greenhouse Co. of King st. has gone into bankruptcy.

URBANA, ILL.—Ed. Dodson has just completed a large addition to his greenhouses on East Main st.

MUNCIE, IND.—The Warfel Floral Co. is erecting six large greenhouses and is preparing to do a wholesale and retail business.

COLUMBIANA, O.—Henry Weaver, florist, has purchased property on N. Main st., to which site he will move his greenhouse plant.

TOMAH, WIS.—The new greenhouses of L. Storkel have been about completed on his property in the west central part of town. Two new houses, 18x75 ft., are being erected, which, when completed, will about triple his greenhouse capacity.

DE PERE, WIS.—A. Van Gemert's new greenhouse on the West Side is one that would do credit to places much larger than De Pere. The location, on Grant st., between Third and Fourth sts., is much more accessible than the old location. The building is of brick, iron and glass, 140x40 ft., double the capacity of the old place.

STOCK WANTED

Wanted Chrysanthemums

We wish consignments of first-class Chrysanthemums; all colors and varieties. Good prices and prompt settlements.

A. L. Young & Co., Wholesale Florists, 54 West 28th Street, **New York**

FOR SALE OR RENT

TO LET OR FOR SALE—10 miles from Boston: 7 greenhouses recently remodeled, 2 acres of land, 8-room house and barn; all in good condition. J. G. Forbes, Freeman st., Auburndale, Mass.

FOR SALE—Cheap, greenhouse, 20 x 100 feet; contains 900 feet of 1½ inch, 200 ft. of 2½ inch pipe which with sash bars and 16 x 24 double thick glass are as good as new. L. W. Goodell, Pansy Park, Dwight, Mass.

FOR SALE—Greenhouses, 4,000 sq. ft. of glass, town of 7000; general stock; in good condition. Retail trade store connected to greenhouses; owner cannot attend to it on account of ill health. Will sell cheap. Address, I. B., care The Florists' Exchange.

FOR SALE

Controlling Interest in a Well-Paying Seed Business Located in the East

Now doing a business of about $100,000 and with capital can be increased with very little push. Owner must retire on account of health. An opportunity of a life time to one or two young men who can control $18,000 capital. Only principals considered and references exchanged.

Address I. L., care The Florists' Exchange.

FOR SALE

Greenhouse Property

One of the very best locations for building up a large wholesale trade. Population of 300,000 or more within a radius of nine miles. The New York and Boston markets are within easy reach. Shipping facilities are second to none. If you are a man of small means and have the ability for good work, this is your chance; the business is here and plenty of it. There is an unlimited field for the sale of Ferns and decorative plants; also a fine openiug in connection with this business for nurserymen and landscape gardener.

There are 5¾ acres of land, six-room dwelling-house, barn, stable and shed, 1½-story office and storeroom, well, pumphouse and pump, and 6000 sq. ft. under glass beside coldframes. Stock consists of Carnations, Ferns, Hydrangeas, Chrysanthemums, Bedding plants, etc.

Address I. M., care
The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address I. I., care The Florists' Exchange.

WANTED TO LEASE—For a term of years 2 or 3 greenhouses (5-6000 feet of glass) and about 2-3 acres of land, convenient to New York market. Edouard Matthes, Woodside, L. I.

WANTED TO LEASE—With privilege of buying, florist establishment about 10,000 sq. ft. of glass. Would go in partnership. Eastern vicinity preferred. L. H. Butts, 98 West st., Easthampton, Mass.

SUNDRIES FOR SALE

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Rider Compression Hot Air Pumping Engine, 6 in., cost $240.00; will sell for $60.00. Dean Ferris, Peekskill, N. Y.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3350 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 68 Troutman St., Brooklyn, N. Y.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—1 No. 17 Hitchings Boiler. 10,000 feet of 2-in. wrought iron pipe, practically new; 1000 feet of ventilator apparatus and sash. 100 boxes of 12 in. double thick glass and all kinds of other greenhouse material cheap.
I. Suessermann,
229 Livingston st., Newark, N. J.

FOR SALE
1 Cottage Boiler as good as new.
400 feet 2 inch pipe.
A lot of 1½ inch pipe.
20,000 2½ and 2 inch pots.
2500 4 and 3½ inch pots.
A lot of 10x12 glass, double thick.
Jacob van Till,
66 Grinnell ave.,
Corona, N. Y.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
16,000 sq. feet 10 x 12 double thick glass.
15,000 sq. feet 1½, 2 and 3-in. pipe,
5,000 flower pots, asst. sizes.
Three large boilers (hot water) sash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

FOR SALE—One Mercer Hot Water Boiler, 7 section, rated at 1450 square feet. Boiler in use only 2 seasons; in good order; fully guaranteed; taken out owing to the increase of plant; price $80.00. John A. Scollay, 74 Myrtle Avenue, Brooklyn, N. Y.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.
50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.96c. per ft.
5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 6.46c. per ft.
25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 16 ft., and up, at 6c. per ft.
All the above pipe is guaranteed free from holes and splits, and in good condition.
All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.
Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA
Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x16 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**
Please mention the Exchange when writing.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of, purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. SCOLLAY.

Will you kindly inform me the size and amount of radiation required to heat to 50° a greenhouse 11x64′, principally used to grow Pansies in Winter and bedding plants in Spring? The house measures as follows: 11′x64′, running east and west, sheltered on all sides except the south by buildings, end on low ground, 3′ to plate, 4′ from plate to ridge, even span about 900 sq. ft. glass and 300 sq. ft. exposed wall surface, wood walls papered and clapboarded; house built in 1909 and is in good condition. Our temperature here in Winter once in a while goes down to 32° below zero, but only very seldom, about once a season. Kindly let me know how large a boiler I shall need? A local plumber figured on this and his figures were 1300 sq. ft. radiation in 2″, 3″ and 4″ pipe, a boiler rated as carrying 1600 sq. ft.—L. C. N., Maine.

—Your local plumber certainly is on the safe side in figuring the amount of radiation and boiler power required for this house. If you follow his advice, you will be able to grow tropical plants and even more. The amount of radiation you will require to maintain 50° at about 32° below zero will be about 450 sq. ft., made up in coils of wrought iron pipe. To this end, I would suggest placing 11 runs of 2″ pipe in this house. You can divide these off into 3 coils, 2 on the outer sides, consisting of 4 pipes each, and one on center for 3 pipes. A boiler of about 700 ft. of 4″ pipe rated capacity will be a very economical size for the purpose. The above calculations are based on the extreme temperature you mentioned, and as you do not have it very often you will have no difficulty whatever in running the plant very easily and without forcing, except in a few of the very extreme weather cases you mentioned. You can make a very simple job by taking three 2″ flows from the boiler, running separately to each coil and the same manner for the returns. This will permit of your using only one size pipe (2″) on the whole job. I would advise placing 2″ gate valves on the center bench coil. I presume you know how to pipe a job of this size from information derived in previous articles in the Florists' Exchange, so I will give you no details regarding the layout except as above.

Elizabethtown, Pa.

I. W. Hoffman is one of the new florists to build in Lancaster Co.; he is just finishing two houses, 200x58 ft., and a propagating house, 200x10 ft. One bed in the larger house is devoted to single Violets, and the balance of the house to Carnations. He has two other houses, one 75x20 ft. and one 70x18 ft., in which he has a miscellaneous stock. Mr. Hoffman will open a retail store in Harrisburg, Oct. 15, which will be fitted with uptodate appliances, and will be located at 809 N. Third st. Both the wholesale and retail businesses will be carried on from the greenhouses by aid of an auto. Mr. Hoffman will journey to Harrisburg every day with stock for his store.

E. S. Rutt has been located here for the past five years and has some 12,000 ft. of glass to Carnations, Sweet Peas and 'Mums. The bulk of the business is shipping, although a nice little retail business is had. P. M. R.

Hail Damages

The greenhouses of Schillinger Bros., Bucyrus, O., were badly damaged by hail on the afternoon of Sept. 23. Some 1300 lights of glass were broken.

CAMDEN, N. J.—While George Davis, florist of 2027 Arlington st., was driving up the White Horse pike on his way into town on the evening of Sept. 25, a big automobile going in the same direction crashed into the rear of his carriage and smashed the vehicle so badly as to leave it a wreck on the roadside. Mr. Davis fortunately escaped with comparatively slight external injuries, but suffered a severe shock. His horse also came out of the wreck without fatal hurts.

Indianapolis

Frank Soult has left the employ of John Rieman to take up the flower business in Tacoma, Wash.

The Fall flower show is being exploited in the newspapers, and everything points to a successful exhibition. Secretary Baur is busily engaged in making the final preparations for the same. The State Florists' Association of Indiana will hold its October meeting this week and will hear the reports of the committee in charge.

The Richmond Fall Festival Association has made extensive preparations for the flower display to be held in connection therewith. The flower show is to be held Oct. 5. W. W. Coles of Kokomo and Irwin Bertermann have been requested to serve as judges for the occasion.

E. G. Hill of Richmond was a recent visitor. He states that everything at the Hill establishment is in fine shape and that some of the new kinds of foreign 'Mums are doing exceedingly well.

Mr. Kelly of Franklin, Ind., was in the city on business last week.

Bertermann Bros. Co. have their show windows finely arranged for the opening week of Massachusetts ave.

BULBS

A Wholesale Stock At a Bargain

A magnificent stock of **DAHLIAS,** consisting of over 30 finest named American and Imported varieties—the cream of several Specialists' collections. These represent the five leading and most popular "Sections." They are large, full, field-grown clumps, ready for shipment about Oct. 10.

Also, some 5000 **GLADIOLI** of the **Childsii** and **Lemoine Hybrid** Strains—about half and half—both strains representing a fine mixture of colors.

This stock will make about a carload, and so reduce transportation to a minimum.

This is a bargain for someone.

Write for particulars.

J. W. KUHN, Belleville, Kans.
Please mention the Exchange when writing.

Palm Leaves, $5.00 per thousand.
Magnolia Grandiflora Leaves, $8.00 per ten thousand.
Florida (gray) Moss, 200 pounds for $5.00.
Cash with order. 25 years' experience.
VICTOR SCHMELZ & SON, R. 2, Sanford, Florida
Please mention the Exchange when writing.

Chinese & Obconica Primroses Fine plants, 2½-in., $2.00 per 100; 3-in., $3.00 per 100; 4-in., $6.00 per 100. **PRIMULA Obconica,** 5-in., $12.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $2.00 per 100; 3-in., $3.00 per 100. **JERUSALEM CHERRIES,** 3½-in., $5.00 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.
Please mention the Exchange when writing.

Look! Look! Look!

6000 Field-grown **VINCAS,** fine, 1st size, $4.00 per 100; 2nd size, $3.00 per 100. Cash with order please. Also, 500 **Whitmani** and **Elegantissima FERNS,** at 15c., 20c., 30c., 40c., and 50c. each.

Will exchange for good **Winsor, Beacon, White Enchantress** or **Rose Pink Enchantress Carnations.**

W. T. HILLBORN
Newtown, Bucks Co., Pa.
Please mention the Exchange when writing.

The Indianapolis Flower and Plant Co. is cutting fancy Roses at present.

Walter Bertermann is enjoying a new Premier auto.

Trade Report

A falling off in trade accompanied by a protracted period of warmer weather causes extra inducements in the way of first-class stock at moderate prices. Counter trade is lively at times but there is not the proportionate amount of funeral work or decorating. Garden flowers such as Cosmos, Antirrhinum, and Coxcomb are brought to market in quantities, and cause much trouble to the grower of indoor stock. Carnations are overplentiful and will probably continue to be so until the advent of cooler weather. The wholesale price for the best grades is $2 per 100. Medium and short grades are selling for 75c. to $1.50 per 100. Harrisii Lilies are plentiful again at $10 to $12.50 per 100. The first Callas were sold this week, but are in poor condition. A few rubrum Lilies at $6 per 100, also auratum at $12.50 per 100 are obtainable. Roses are improving rapidly, but prices have not changed. The best Killarney, Richmond and My Maryland are shipped in at $6 to $7 per 100. Home-grown Bride and Bridesmaid are good at $3 to $5 per 100. The retail figure for Tea Roses is 75c. to $2 a dozen. American Beauty are in fine condition and sell to the public at 75c. to $6 per dozen. Single Violets are quite an acquisition to the market at 35c. to 50c. per 100. Cattleyas, too, are more plentiful at 35c. each. Indoor white Dahlias for funeral work sell well at $2 to $3 per 100. Field-grown Dahlias are certainly in prime condition at $1.00 to $1.50 per 100. Some of the Cactus varieties were never seen in better condition in this section and the trade takes well to them. The green goods market is well supplied; Mexican Ivy is much used and keeps well. I. B.

A. L. YOUNG & CO.
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.



NEW YORK, Oct. 5.—So far this week there has been considerable more activity in the cut flower market than has been manifest for sometime. This is said to be at least partly attributable to the fact that Tuesday was the Jewish New Year's Day. There is a tendency toward higher and firmer prices in the case of nearly all stocks.

The supply of Roses of all kinds has shortened up a little, and as there is at the same time a moderate increase in the demand, a clean-up of nearly all Rose stocks is effected at fair prices. The "quality" Rose is, however, the one most easily sold, and what is true of Roses is equally true of all other flowers, namely, the high grade blooms are most in favor with the buyers, American Beauty specials, in limited quantities, have reached the price of 30c. each for the choicest blooms, and the prices on all grades show an advance. Probably about 25c. each is still the price for specials on larger lots. Richmond shows considerable improvement in quality, and the better blooms are meeting with more favor with buyers, but the poorer grades still lag; 5c. each is the top price for the pick of the blooms. My Maryland is probably the best pink Rose coming into the market, and is realizing 6c. each for the highest grade of blooms. The top grade flowers of Kaiserin, Bride and Bridesmaid are also realizing 6c., and Killarney 5c. each.

Carnations are more plentiful, and with a steady improvement in quality are meeting with a good demand. The choicest flowers are realizing $3 per 100.

Orchids are still plentiful, but perhaps not quite as abundant as last week. The sales are somewhat heavier, but there is no increase in price; in fact, it is difficult to realize 50c. each for the choicest Cattleya blooms. Gardenias are more abundant, but only the choice blooms find favor with buyers, while the short-stemmed, or small or ill-shaped blooms go begging for a purchaser, and sell down to 50c. or even less per dozen. The choicest flowers today are realizing $3 per dozen. Lilies are only moderately abundant, but the demand is not brisk, possibly because of the advent of the white 'Mum. The highest price realized today is 8c. each. The supply of Lily of the Valley and the demand for it are fairly well balanced, and the top grade sprays bring $3 per 100.

The supply of Dahlias is quite plentiful, but there is nothing like a deluge, and they clean up reasonably at the same low prices, namely $1 to $3 per 100, only a few realizing better than $2. Exception should be made in this statement as regards a very limited number of choice blooms which sell for 8c. each.

There is a decided increase in the 'Mum supply and in the range of varieties, and unless the Dahlia soon drops out, an over-supply of 'Mums may be feared. Today the choicest 'Mums bring $3 per dozen. Violets are in the market, but they move very sluggishly, and many go either to the street vendors or to the barrel; 50c. per 100 is the limit for the best, either single or double, and many go for 20c. even. A small supply of white and yellow Daisies is seen, nice clean stock, though the blooms are not yet large. The best are selling for $1 per 100.

Asparagus is still the favorite green, with Smilax possibly next and Adiantum closing up the procession; the best of each brings respectively 25c. per bunch, 12½c. per string, and $1 per 100 (for A. Croweanum). Neither a heavy demand nor an increase in price may be expected for indoor greens, while boughs of Oak and other trees are so easily obtained, and so much used.

PHILADELPHIA, Oct. 3.—The market today shows a tendency toward higher prices for nearly all cut flowers. Furthermore, the better clean-up which is effected in the case of nearly all stock now arriving is even more satisfactory than the slight rise in prices. Orchids are about the only flowers which show a falling price.

The supply of American Beauty Roses is not abundant, and with a fair demand the price for specials today is 30c. each in some sales, while in other transactions the figure is 25c. each. The higher grades of these and of all other Roses are most sought, but in American Beauty even culls and ordinaries are selling at from $6 to $10 per 100. There is a gradual increase in the supply of all other Roses, and improvement in quality, though the quality of Bride and Bridesmaid still leaves much to be desired. Pink and White Killarney, My Maryland, Mrs. Jardine, Richmond and Kaiserin are selling at from 3c. to 8c. each, Bride and Bridesmaid, Golden Gate at 2c. to 6c. each, and Perle at from 3c. to 5c. each. All Roses are moving well, especially the higher grades. If there is any choice in color pink is the favorite.

Carnations are coming in more freely and have claimed their place again in the market supply of flowers. They are selling well, and with the gradual improvement in quality a better price is obtained. The best blooms today command 3c. each, and the poorest $1 per 100.

Orchids are very abundant, and with only a normal demand the prices of even a week ago cannot be maintained; the best Cattleya and Dendrobium blooms are now selling for 50c. each. Gardenias are in good supply, which is used readily by the demand, and the quality for the season is satisfactory; $2 to $2.50 per dozen is the price today. The supply of Lilies is very moderate, and is easily disposed of at prices ranging from $12.50 to $15 per 100. The Lily of the Valley supply is a little short, and the movement is brisk enough so that there is an advance in price to $5 per 100 for very choice stock; but the bulk of the stock is selling at from $2 to $4 per 100.

The number of varieties of 'Mums available is slowly increasing and the supply as yet is by no means large, but there are enough, as the buyers are not very greedy for them as yet. Ordinaries are bringing $1.50 to $2, and fancies $2 to $2.50 per dozen. The arrival of Dahlias continues to be large. The quality is good, but not what it would be with more rain in the Dahlia growing districts; the prices range from 75c. to $3 per 100, few selling for more than $2. Some Daisies are now seen at $1 per 100, and a considerable supply of Tuberoses at from $3 to $4 per 100. Violets are, so far, conspicuous for their mediocre quality and slow sale.

The preference in Greens is as follows: Asparagus, Smilax, Adiantum, with prices about the same as last week.

BOSTON, October 4.—There is very little change in the market since last report. Conditions are improving steadily and in a few weeks more good brisk business is expected. The cold snap of a week ago killed many of the more tender subjects, but today, Oct. 4, we had it 75° in the shade.

Roses are quite abundant but very little surplus is left of high grade stock. It is true there are always some inferior goods left over. Growers are careful not to overstock the market and this helps to keep the prices steady. American Beauty are of good quality and enough are being cut to supply the demand. Killarney, in both pink and white, are of excellent quality with long stems and fine buds. Prices have changed but slightly since last week. Mrs. Aaron Ward are plentiful and in good demand. Bride and Bridesmaid are of good quality but seldom asked for and prices are very low for them. Carnations have not been quite as plentiful as a week ago but they are improving in quality steadily; for the best grades prices run from 75c. to $3 per 100.

The frost of last week about ended the Asters, although there are still a few of very poor quality seen around and the price obtained for them is hardly worth mentioning.

Chrysanthemums are more plentiful and there is greater variety than a week ago. The kinds that are most frequently seen are Golden Glow, Marquis de Montmort and Mme. Bergmann. Prices are much about the same as last reported, $1.25 to $2 per doz.

Gladioli are quite scarce and of poor quality. Lilies are still scarce. Cosmos is plentiful but not in much demand. Orchids are arriving in several varieties, Cattleyas, Cypripediums and Oncidiums.

The plant business is becoming active again and quite large supplies are arriving at markets, retail stores and wholesale houses. There is a good demand for Ferns. Crotons are the favorites and good prices are paid for highly colored pieces. Small plants of Araucaria excelsa seem to be coming into favor again.

Greens of all kinds are plentiful with prices slightly lower. R. C.

CHICAGO, Oct. 4.—The opening of this week found stock shorter in nearly all lines, and many shipping orders for fancy stock have had to be left unfilled. The demand for fancy stock is increasing, as many weddings are in evidence, calling for the best in the market.

American Beauty Roses are excellent, although the demand is very variable. The Killarney crops are not quite as heavy, but the quality improves each day; some growers are cutting flowers with good long stems, and such at present have the call. Bride and Bridesmaid seem to have taken a back seat for the time being. Other Roses, such as My Maryland and Richmond are showing up well; another red Rose arriving in excellent condition is Rhea Reid, and it meets with a good demand. With the exit of the Asters, Carnations have come to the front, and some days fine scarcely enough to go around; they continue to improve both in stem and size and a week or two will find them in prime condition. Whites are most popular, although the light shades move nicely.

Each day finds Chrysanthemums in greater quantity, and in addition to Golden Glow and October Frost we have Monrovia; all are in extra fine form, and it is safe to send advance orders for any quantity required.

Lilies are in big demand, and the supply about equal; prices have advanced to $15 per 100 for the best stock. Valley also improves, although it can be had in several grades; the best moves well at 4c.

Gladioli are scarce, although some fairly good flowers are still to be obtained; they however move slowly. Some Dahlias are still seen.

Orchids arrive in greater abundance each day and are excellent. Many of the wholesalers who have not handled them before are doing so now. Violets still arrive, but as yet have not reached their zenith. Green goods in some lines, especially Smilax and Asparagus plumosus, for Fall openings and weddings, are in good demand.

ST. LOUIS, Oct. 3.—Business at the market is not as good as it might be at this time of year. The weather has become too warm and trade, which seemed to start nicely a week previous, dropped off somewhat.

There was quite a bit of decorating going on and quite a lot of funeral work, but other lines had a poor demand.

The commission houses seem to have plenty of good stock coming in, especially in Roses, but these suffer somewhat in transit from the hot weather. Average sales are $3 to $8 per 100; American Beauty are in plenty in all grades; the best bring $3 to $4 per doz.

Carnations are improving in flower and stem and best sell quickly at from 2c. to 3c.; these are not overplentiful and some days they clean up quickly. A few Chrysanthemums are coming in and bring from $1.50 to $3 per doz.

Some excellent Cosmos are bringing $1 per 100. Lily of the Valley is fine at $4 per 100 for the best; Lilies from $10 to $15 per 100.

Violets are beginning to come in but demand is slow as they are very small as yet. A few Asters, Gladioli and Tuberoses are still coming in but will soon be over for this season. Wild Smilax had a big call last week, as well as all other greens.

ST. PATRICK.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

EXHIBITION CHRYSANTHEMUMS
LILIES, VALLEY, CARNATIONS, ROSES
VIOLETS, DAHLIAS, SMILAX and
ASPARAGUS. Everything of the best.
We still have room for more good stock, and growers not acquainted with our methods and our ability to get the price, will find it to their advantage to do business with
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
Please mention the Exchange when writing.

C. Bonnet G. H. Blake
Bonnet & Blake
Wholesale Florists
130 Livingston Street, BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street, NEW YORK
Telephones, 3870—3871 Madison Square

William P. Ford
Wholesale Florist
Consignments of Cut Flowers Solicited from Growers
45 West 28th St., NEW YORK CITY

D. Y. Mellis, Pres. Robt. G. Wilson, Treas.
GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
Gunther Brothers
110 West 28th Street
Phone, 651 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
129 West 28th Street, New York
Telephone: 3393 Madison Square

MOORE, HENTZ & NASH
WHOLESALE
COMMISSION FLORISTS
55 West 26th St. New York
MEMBER AGENT

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. SLINN, JR,
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

A. MOLTZ & CO.
WHOLESALE FLORISTS
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m

FRANK VALENTINE
Wholesale & Retail Florist
Also Manufacturer of Artificial Flowers
158 East 110th Street - NEW YORK CITY
Bet. 3rd & Lexington Aves. Tel. 5633 Harlem

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Oct. 5, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	20.00 to 30.00	Inferior grades, all colors	.... to 1.00
" extra	15.00 to 20.00	Standard Varieties: White	1.00 to 2.00
" No. 1	8.00 to 12.00	Pinks	1.00 to 2.00
" No. 2	2.00 to 6.00	Red	1.00 to 2.00
" No. 3	1.00 to 2.00	Yel. & Var.	1.00 to 2.00
Killarney	.75 to 5.00	*Fancy (* The highest grades of Sta'd varieties): White	2.00 to 3.00
White Killarney	.75 to 5.00	Pinks	2.00 to 3.00
My Maryland	1.00 to 6.00	Red	2.00 to 3.00
Richmond	.50 to 5.00	Yel. & Var.	2.00 to 3.00
Mme. Abel Chatenay	.... to	Novelties	.... to ....
Kaiserin	1.00 to 6.00	Gardenias, per doz.	.50 to 3.00
Golden Gate	.... to	Gladioli	.... to ....
Bride, Maid, fancy—spec.	5.00 to 6.00	Hydrangea	.... to 1.00
" extra	2.00 to 5.00	Lilies, Harrisii and Longi.	6.00 to 8.00
" No. 1	1.00 to 3.00	Lily of the Valley	1.00 to 3.00
" No. 2	.50 to 1.50	Mignonette, per doz.	.... to ....
Adiantum	.... to .50	Narcissus	.... to ....
Croweanum	.... to 1.00	Orchids, Cattleyas	25.00 to 50.00
Antirrhinum (per bunch)	.... to	Cypripediums, per doz.	.... to ....
Asparagus, cut strings	.25 to .40	Dendrobium Formosum.	.... to ....
Plumosus, bunches	.15 to .25	Pansies, per doz. bunches	.... to ....
Sprengeri, bunches	.15 to .25	Poinsettias, per doz.	.... to ....
Asters	.20 to 2.00	Hyacinths	.... to ....
Bouvardia	.... to	Smilax (per doz. strings)	1.00 to 1.50
Callas	.... to	Stevia, per bunch	.... to ....
Chrysanthemums, per doz.	1.50 to 3.00	Sweet Peas, per doz. bun.	.... to ....
Dahlias	.50 to 3.00	Tritoma	1.00 to 1.50
Daisies	.50 to 1.00	Tulips	.... to ....
Ferns, per 1000	1.50 to 2.00	Violets	.15 to .50

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1906 Madison Square P. J. SMITH, 49 WEST 28th ST., NEW YORK

EDW. C. HORAN
55 West 28th St., NEW YORK
Telephone, 1462-1463 Madison Square CUT FLOWERS AT WHOLESALE

BADGLEY, RIEDEL & MEYER, Inc.
SUCCESSORS TO A. J. GUTTMAN
WHOLESALE FLORISTS 34 West 28th Street, New York
Telephone {1664 / 1665} Madison Square CONSIGNMENTS SOLICITED

Telephone 2336 Madison Square
Greenhouses: FOREST HILL, N. J.
Kessler Bros.
WHOLESALE
Plantsmen and Florists
136-138 West 28th St., NEW YORK
All kinds of cut flowers in their season.
Interviews with growers of cut flowers solicited
R. GRETSCH
Manager Cut Flower Department

New York

Missing for more than a week, the dead body of Mrs. Margaret Geib, 68 years old, mother of John Geib the florist of 131 Jackson ave., Long Island City, was found in the kitchen of her apartment at 237 Flushing ave. As a considerable sum of money which the deceased always carried on her person was missing the son has asked for a police investigation. The coroner's physician, however, decided that the cause of death was apoplexy.

The Japanese Nursery & Construction Co., of Yonkers, N. Y., has been incorporated to import and sell Japanese plants, shrubs, trees, etc.; lay out Japanese gardens and build Japanese tea houses, etc.; capital, $25,000. Incorporators: Kengo Moriya, Yonkers, N. Y.; H. Brevoort Odell, 14 Highland ave., Yonkers, N. Y.; Geo. W. Dobbs, 12 Radford st., Yonkers, N. Y.

John Young of Bedford Hills, secretary of the N. Y. F. C., visited Boston for a few days last week. He speaks very highly of the courtesies shown him by the Bostonians.

N. Y. Florists' Club

A large gathering is expected at the meeting of the New York Florists' Club on Monday evening next, Oct. 10, at the Club's rooms, Grand Opera House Building, 23d st. and Eighth ave. It is to be ladies' night, and an enjoyable evening has been arranged for. As previously announced there is to be an illustrated lecture by J. Horace McFarland on "The Crusade Against Ugliness." In addition, Chairman Nugent of the house committee has other plans of entertainment, the acceptability of which is beyond doubt. Eleven candidates for membership are up for election at this meeting.

Lawrence Kervan, Sr., of the Kervan Co., 113 West 28th st., recently attended the G. A. R. meeting at Atlantic City, N. J. Mr. Kervan is a member of the Lafayette Post of this city. He was living in Connecticut at the beginning of the Civil War, and though only a boy of 17 years of age he enlisted at Hartford in the 5th Conn. regiment, just after Fort Sumpter was fired upon. Mr. Kervan's reminiscences of the war are very interesting.

Frank Niquet of Patchogue, L. I., was recently in town, calling upon Walter F. Sheridan of 133 West 28th st., to whom he ships those fine Carnation blooms produced at his range of greenhouses.

A handsome new sign above the entrance indicates to buyers where the S. S. Pennock-Meehan Co.'s New York branch store is located, at 109 West 28th st.

S. C. Hopkins, recently with Alexander J. Guttman, and W. Mack, formerly with Charles Millang, are both now in the employment of William P. Ford of 45 West 28th st.

John F. Sharkey has removed from 36 E. 28th st. to the corner of 46th st. and Sixth ave. William H. Londo, recently with Van Praag, and formerly also with Fleischman, is now with Mr. Sharkey. Mr. Sharkey recently made up a unique floral piece, a gift from a New York wholesaler to the Gimbel Bros. at their recent opening. A Cedar ladder eight feet long was covered with flowers; at the bottom of the ladder was "Vincennes 1842" in blue Asters, in the center "Philadelphia" in white Roses, and at the top "New York 1910" in red Roses.

It is said that the New York retail florists received orders from the New York wholesalers in different lines of trade for more than $10,000 worth of flowers, to be sent as gifts to Gimbel Bros. on the day of the opening of their New York store. One prominent retailer states that his company alone sent $1000 worth of flowers and floral pieces to this opening, gifts from New York wholesalers.

Frank Sheehan, formerly with J. K. Allen, is now with Badgley, Riedel & Meyer, 34 West 28th st.

The Nymphæa and Nelumbium display which has been maintained from last June until this week in the window pond at J. H. Small & Son's 1153 Broadway store has been attractive, educative and beautiful. Night blooming as well as day blooming species of aquatics have been used. These flowers were grown by W. B. Shaw, Kenilworth, Washington, D. C. The decoration seen this week in the opposite window consists of a pleasing arrangement of Autumn leaves, boughs of Ilex berries, 'Mums and Dahlias, reminders of the change of the season. The orders executed by this firm for New York wholesalers for the Gimbel Bros. opening were very large.

B. Hammond, Fishkill, N. Y., was a delegate to the Republican convention at Saratoga.

L. A. Hauser is again seen regularly at his stand at the N. Y. Cut Flower Exchange, 55-57 West 26th st., after a vacation of two months, which he, with his wife and son, have spent trolleying about 2000 miles in New York, Pennsylvania and New Jersey. A trip to Canada also formed a part of the itinerary.

A very pretty decoration is seen this week at Warendorff's, 59th st. and Madison ave., in several ladies' straw hats trimmed with Oak leaves, Celosia blooms, and Delice and Countess of Lonsdale Dahlias.

Joseph Fenrich of Henshaw & Fenrich, 51 West 28th st., is the happy father of an eleven-pound girl baby, which arrived on Tuesday, Sept. 28. The mother and baby are doing well, and the father is bearing up well under the load of congratulations.

A stand at the N. Y. Cut Flower Exchange, 55-57 West 26th st., has been assigned to Charles Schmelter of Secaucus, N. J.; and the stand and icebox previously rented to Charles Smith's Sons have been assigned to Frank Millang in addition to his present stand.

The wife of Bernard Breckner of Bayside, L. I., died on Tuesday, Sept. 28, and was buried on the following Thursday. This is the fifth time death has come into Mr. Breckner's family during the last two years.

James Weir's Sons, florists, who are retiring as growers, have authorized Wm. Elliott & Sons to sell at public auction, on Wednesday, October 19th next, at 11 a.m., their greenhouse property and good will of business at Fifth ave. and 67th st., Brooklyn, N. Y., at which place the sale will be held. The real estate will be offered first, after which will be sold the stock and goodwill of this well-known business. This is one of the most important sales of greenhouse property that has taken place in this vicinity for a long time. Wm. J. Elliott will officiate as auctioneer.

Henry Riedel, of the new firm of Badgley, Riedel & Meyer, has just returned from a several days' trip among the growers.

Oscar Hanschild, late gardener for Judge Alton B. Parker, at "Rosemount," Esopus, N. Y., has entered the employment of Harry Gessner, the florist at 1256 Broadway.

At the approaching Fall show of the Horticultural Society of New York at the American Museum of Natural History, unequalled facilities are offered for decorative work, and every opportunity will be afforded retailers to make excellent and unique exhibits. Considering the fine class of people who attend these exhibitions, we trust that several of our leading retailers will be represented exhibiting. This will not only make for their credit, but will as well tend to add to their reputation and clientele.

A simple but beautiful window display was recently noted at Thomas Young Jr.'s store at 500 Fifth ave. The corner of the window was massed with some rare Crotons, and Dracænas terminalis and Massangeana, above which were suspended some Cibotium Schiedei Ferns. In the opposite corner was a well-grown specimen of Adiantum Farleyense. The remainder of the window space, was occupied with vases of Dendrobiums and Cattleyas, including a vase of the rare Cattleya labiata alba. A few vases of fine Gardenias finished the display.

N. Y. F. C. Bowling Ass'n

An invitation is extended to all members of the N. Y. F. C. to participate in the bowling to take place at the Association's alleys, 115 W. 23d st. on Monday afternoon, Oct. 10, at 3 p.m., when there will be a competition "open to all." On Friday evening, Sept. 30, Joseph Fenrich won the prize knife for high score, 173; and J. A. Manda won the box of cigars for high average, 157. Other scores and averages made were as follows:

				Avge.
Manda	162	149	140	157
Fenrich	156	173	121	150
Scott	137	167	114	139
Smith	121	156	102	126
Shaw	165	103	110	126
Moltz	128	113	108	116
McArdle	129	114	95	113
Berry	108	104	115	109
Burns	92	105		98
Kessler	95	96		95
Fiesser	91	67	79	79
Meikeljohn	74	60	84	73
Van der Voort	74	86	53	71
J. B. Nugent	55	62	84	67

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Oct. 3, 1910	Pittsburgh Oct. 3, 1910	NAMES AND VARIETIES	Boston Oct. 4, 1910	Detroit Oct. 3, 1910	Cincinnati Oct. 3, 1910
—— to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	30.00 to 35.00	—— to 30.00
—— to 18.00	15.00 to 18.00	" extra	10.00 to 15.00	25.00 to 30.00	20.00 to 25.00
10.00 to 12.00	10.00 to 12.00	" No. 1	3.00 to 8.00	20.00 to 25.00	8.00 to 10.00
4.00 to 6.00	—— to 3.00	" No. 2	—— to ——	4.00 to 12.00	—— to 5.00
4.00 to 8.00	3.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 7.00	1.50 to 4.00
4.00 to 8.00	2.00 to 6.00	White Killarney	2.00 to 8.00	3.00 to 7.00	2.00 to 4.00
2.00 to 4.00	2.00 to 6.00	Bride and Bridesmaid	2.00 to 5.00	—— to ——	1.50 to 4.00
3.00 to 6.00	3.00 to 6.00	My Maryland	2.00 to 8.00	3.00 to 7.00	—— to ——
2.00 to 6.00	3.00 to 8.00	Richmond	2.00 to 6.00	3.00 to 8.00	2.00 to 4.00
2.00 to 6.00	—— to ——	Perle	—— to ——	—— to ——	—— to ——
2.00 to 4.00	—— to ——	Golden Gate	—— to ——	—— to ——	—— to ——
2.00 to 8.00	2.00 to 8.00	K. A. Victoria	2.00 to 5.00	4.00 to 8.00	—— to ——
—— to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	—— to ——
—— to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	30.00 to 50.00	—— to 10.00
—— to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 50.00	30.00 to 50.00	—— to ——
—— to 2.00	—— to ——	Aster	—— to ——	1.00 to 2.50	—— to ——
—— to ——	—— to ——	Bouvardia	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Calla	—— to ——	—— to ——	—— to ——
—— to 1.50	1.00 to 1.50	Carnations—Inferior grades, all colors	—— to ——	—— to ——	1.50 to 2.00
—— to 2.00	—— to 2.00	Standard Varieties: White	1.00 to 1.50	1.00 to 2.00	—— to ——
—— to 2.00	—— to ——	Standard Varieties: Pink	1.00 to 1.50	1.00 to 2.00	—— to ——
—— to 2.00	—— to ——	Standard Varieties: Red	1.00 to 1.50	1.00 to 2.00	—— to ——
—— to 2.00	—— to ——	Standard Varieties: Yellow and var.	1.00 to 1.50	—— to ——	—— to ——
—— to 3.00	—— to ——	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 3.00	2.00 to 3.00	—— to ——
—— to 3.00	—— to ——	*Fancy (*The highest grades of Sta'd vars.): Pink	1.00 to 3.00	2.00 to 3.00	—— to ——
—— to 3.00	—— to ——	*Fancy (*The highest grades of Sta'd vars.): Red	1.00 to 3.00	2.00 to 3.00	—— to ——
—— to 3.00	—— to ——	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	1.00 to 3.00	—— to ——	—— to ——
—— to ——	—— to 20.00	Chrysanthemums, ordinary	—— to ——	—— to ——	—— to 20.00
—— to ——	—— to 30.00	" fancy	8.00 to 15.00	—— to ——	—— to ——
—— to ——	1.00 to 3.00	Dahlias	—— to ——	1.00 to 3.00	1.50 to 2.00
—— to 20	—— to .20	Ferns, hardy	—— to ——	—— to .12	—— to ——
—— to 15	—— to .12	Galax, green and bronze	—— to ——	—— to .12	—— to .15
—— to ——	—— to ——	Gardenias, per doz.	—— to ——	—— to ——	—— to ——
—— to ——	2.00 to 4.00	Gladiolus	—— to ——	3.00 to 6.00	—— to ——
—— to 12.50	—— to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	—— to 15.00	—— to ——
—— to 3.00	2.00 to 4.00	Lily of the Valley	3.00 to 4.00	3.00 to 4.00	—— to ——
—— to ——	—— to ——	Mignonette	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Orchids—Cattleyas	30.00 to 50.00	—— to ——	—— to ——
—— to ——	—— to ——	" Cypripediums	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Pansies, per doz. bunches	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Peonies	—— to ——	—— to ——	—— to ——
—— to 1.80	—— to 1.80	Smilax, (per doz. strings)	—— to ——	—— to 1.80	—— to ——
—— to ——	—— to ——	Tuberoses	—— to ——	1.00 to 3.00	—— to ——
—— to ——	—— to ——	Violets, double	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	" single	.50 to 1.00	—— to .50	—— to ——
—— to ——	—— to ——		—— to ——	—— to ——	—— to ——

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

Please mention the Exchange when writing.

Boston

Seasonable flowers are all quite abundant. Roses have sold better than for many years at this early date and growers have realized good prices. In former seasons many of the large growers flooded the market with their early crops and consequently low prices prevailed. However, things have been regulated much better this season.

B. Hammond Tracy of Wenham, Mass., has sold an immense lot of fine Gladioli flowers this season, and he reports that his business was never better. He has no dealings with middlemen but ships direct, daily, to some thirty-one retail stores, twenty-five of which are in Boston. In this way his customers get their flowers in the very best condition, the extra handling being obviated. Mr. Tracy is practically a new man in the business. But a few years ago he started, on a very small scale, and has gone up steadily, step by step, until today he is one of the largest growers of Gladioli in this part of the country. He attends strictly to business and believes in showing his goods at all large exhibitions.

J. K. Alexander of East Bridgewater is another large grower of Gladioli and he, also, has supplied many of the retail stores. He has had good success with them this season; he is also one of our largest Dahlia growers in this section.

W. H. Carr, one of the new salesmen at the Boston Flower Exchange, is handling W. H. Tomlinson's flowers. Mr. Carr is an experienced salesman, having previously been with the W. W. Edgar Co.

W. C. Bowditch of Grove Hall, who makes a specialty of growing plants, has a nice display at his stall at the Boston Co-operative Market, of Rubbers, small Araucarias and well fruited Orange plants.

Arthur Cooledge of Cambridge has a nice lot of Pepper plants, well grown and nicely fruited; they are handsome and sell readily.

David Duncan of Arlington is a large grower of Boston Ferns and has just begun shipping some well grown plants. There is always a good demand for these when people return from the country.

Harry Wood of Brookline is shipping in some nice Violets and expects a heavy yield from them this Winter.

George W. Ayer of Reading is marketing Carnations with good long stems; he has also some very pleasing Violets.

The Lily of the Valley John MacFarland of North Easton is sending to the market is as good as any that is to be seen at this time. He makes a specialty of this commodity and always carries fine stock.

Charles Campello, salesman for Frank Dolansky of Lynn, has the sympathy of the trade in the loss of his son who died a few days ago.

A. N. Pierson of Cromwell, Conn., is shipping some extra good Lily of the Valley to salesman Edward J. Rogean at the Boston Flower Exchange.

C. A. Sanborn of Woburn has a fine stock of Violets coming on and is shipping some good Princess of Wales now.

The wife of M. F. Gray of Milton died on Sept. 27. Mr. Gray has the sincere sympathy of his acquaintances and the trade in general in his loss.

Thomas Roland of Nahant has a nice display of well grown plants at his stall at the Boston Flower Exchange. His Crotons are well grown and well colored; he also has a fine stock of Boston Ferns.

J. K. Chandler of Tewksbury, H. C. Wheeler of Burlington and Gibbs Bros. of Lynn are all new stall holders at the Boston Flower Exchange.

Frost on the night of Sept. 30 killed most of the tender plants in many of the country places. However, right around the city, we have had no frost and outdoor stock looks as well as ever.

R. C.

Superior Wire Work

Send for catalogue.

All Cut Flowers in Season

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. - CINCINNATI, OHIO.

Please mention the Exchange when writing.

Philadelphia

H. Bayersdorfer & Co., 1129 Arch st., are now exceedingly busy filling orders not only for the ordinary line of florists' supplies but especially for those pleasing and beautiful novelties, so many of which they have recently introduced. It will pay florists when visiting Philadelphia to call on this firm and inspect their full stock of all uptodate supplies. Mrs. C. Blackman of Reading, Pa., was among the recent callers.

The Leo Niessen Co. has already accepted plans for its new building, and the old structure will soon be removed from the site which the new building is to occupy. Meantime at the present quarters at 1209 Arch st. business is being pushed with undiminished vigor. Dahlias just now are being moved in large numbers.

The S. S. Pennock-Meehan Co., of Ludlow st., have secured the services of William F. McKissick, lately of the firm of McKissick Bros. of Ranstead st., as manager of its Washington branch store. Mr. McKissick will enter upon his new duties about Oct. 15. His long experience in the wholesale cut flower business makes him especially fitted for this responsible position. William F. Gude, and brother Adolph, of Washington, D. C., were recent callers on the company. This house is now receiving from Robert Scott & Son of Sharon Hill, Pa., some samples of the new Killarney Rose. It may be spoken of as a double pink Killarney, on account of its very full center, which gives much body to the flower.

Edward Reid is still visiting in the South, but he is ably represented at the Ranstead st. store by his ever alert and courteous right hand man, Stuart Miller, who is on the job all the time.

John McIntyre of Ranstead st. spent several days recently in New York City.

William J. Baker of South Penn Square, who recently attended the dedication of the Pennsylvania monument at Gettysburg, Pa., says that this seems to him to be the finest of all the State monuments erected in memory of the soldiers who fell on the memorable field of Gettysburg, and that on the bronze

CATTLEYAS	$6.00 per doz. $40.00 per 100
E. LILIES	1.50 per doz. 10.00 per 100
VALLEY	$3.00 to 4.00 per 100
DAHLIAS	1.50 to 3.00 per 100
CHRYSANTHEMUMS	2.00 to 3 00 per doz.
BRONZE GALAX	7.50 per case
WILD SMILAX	6.00 per case
ADIANTUM HYBRIDUM	1.50 per 100

Extra long fronds.

BUSINESS HOURS, 7 A. M. to 8 P. M.

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Oct. 3, 19 0	Buffalo Oct. 3, 1910	NAMES AND VARIETIES	Phil'delphia Oct. 3, 1910	St. Louis Oct. 3, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	25 00 to 30.00	15.00 to 20.00
..... to	15.00 to 20.00	" extra	20.00 to 25.00	8.00 to 10.00
10.00 to 12.50	10.00 to 15.00	" No. 1	15.00 to 20 00	6.00 to 8.00
5.00 to 8 00	7.00 to 10.00	" No. 2	5.00 to 10.00	2 00 to 4.00
3.00 to 6.00	2.00 to 8.00	Killarney	3.00 to 8.00	3.00 to 6.00
3.00 to 6.00	2.00 to 7.00	White Killarney	3.00 to 8.00	3 00 to 6.00
2.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	My Maryland	3.00 to 8.00	3.00 to 5.00
3 00 to 4.00	3.00 to 8.00	Richmond	3.00 to 8 00	3.00 to 6.00
2.00 to 4 00	2.00 to 6.00	Perle	3.00 to 5.00	..... to .....
2 00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	3.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to 1.00
25.00 to 60.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 60.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to	25 to 1 50	Aster	..... to	..... to .....
..... to	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	..... to	Callas	..... to	..... to .....
..... to 1.00	1.00 to 1.50	Carnations—Inferior grades, all colors	1.00 to 1.50	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	1.50 to 2.00	2.00 to 2.50
1.50 to 2 00	1.00 to 1.50	Standard Varieties: Pink	1.50 to 2.00	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.50 to 2 00	1.50 to 2.00
1.50 to 2.00	..... to	Standard Varieties: Yellow and var	1 50 to 2 00	..... to .....
..... to	2.00 to 2.50	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3 00	2.00 to 2.50
..... to	2.00 to 2.50	*Fancy (*The highest grades of Sta'd vars.): Pink	2 00 to 3.00	1.50 to 2.50
..... to	2.00 to 2 50	*Fancy (*The highest grades of Sta'd vars.): Red	2.00 to 3.00	1.50 to 2.00
..... to	..... to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var	2 00 to 3.00	..... to .....
5.00 to 8 00	10.00 to 15.00	Chrysanthemums, ordinary	15.00 to 20.00	..... to .....
15.00 to 18.00	15.00 to 25.00	" fancy	25.00 to 30.00	..... to .....
.50 to 1.00	..... to	Dahlias	.75 to 3.00	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to	..... to	Gardenias, per doz	2.00 to 2.50	..... to .....
..... to	2.00 to 4.00	Gladiolus	..... to	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	12.50 to 15.00	10 00 to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4 00
..... to	.50 to .75	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	40 00 to 60.00	..... to .....
..... to	..... to	" Cypripediums	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to 1 00	..... to .....
..... to	..... to	Peonies	..... to	..... to .....
..... to 2 40	..... to 1.80	Smilax, (per doz. strings)	1.50 to 1.80	..... to .....
..... to 3.00	..... to	Tuberoses	3.00 to 4.00	..... to .....
..... to	..... to	Violets, double	..... to	..... to .....
..... to .40	..... to .50	" single	..... to	..... to .....
..... to	..... to		..... to	..... to .....

For a Full List of "Craig Quality"

STOCK OF

Ferns, Crotons, Dracaenas, Palms, Araucarias, Pandanus, Ficus, Asparagus, Adiantum, Gardenias, Begonia Gloire de Lorraine and Cyclamen, see our full page adv. in the FLORISTS' EXCHANGE, page 545, issue of Sept. 24, 1910.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

THE AMERICAN CARNATION By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

2 TO 8 DUANE STREET, NEW YORK



DAHLIAS

The most effective flower for Fall trade. Our supply is from the greatest Dahlia specialists in the country. South Jersey with Hammonton and Atco as the centres are where the very best commercial varieties are grown for the cut flower trade.

We handle the bulk of the stock, a large proportion of it going to our Philadelphia and New York houses and a great many orders, particularly regulars, going direct.

If you haven't handled any of this stock try a sample shipment and convince yourself of its superiority. The best quality, ordinary varieties, **$1.50** to **$2.00** per hundred.

NOVELTIES, such as Jack Rose, Delice, Kriemhilde, **$3.00 per 100.**

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA	NEW YORK	WASHINGTON, D. C.
1608 to 1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

plates set around about the pedestal of this monument are the names of all Pennsylvania soldiers taking part in the battle. Mr. Baker enlisted as a soldier at the very beginning of the Civil War, when only twenty years of age.

The Philadelphia Cut Flower Co., 1517 Sansom st., is now receiving heavy shipments of Dahlias from the Peacock Dahlia Farms at Williamstown Junction, N. J. The variety J. G. Cassatt, a pink Decorative, is giving some especially fine blooms.

The fire which broke out under the benches of the J. J. Habermehl's Sons' greenhouses at 22d and Diamond sts. recently damaged the plants therein to the value of $500. This loss was covered by insurance. The contract for the decoration of the Gimbel Bros. New York store at Sixth ave. and 32d and 33d sts., at its opening last week was awarded to the Habermehl's, who furnished and set up all the decorations, outside and inside, in natural plants, trees, and flowers. Some eight carloads of stock were used in these decorations, of which all the plants came from the Habermehl Philadelphia greenhouses. A more detailed account of the decorations will be found in our New York column.

The window decorations at Charles Henry Fox's store, "The Sign of the Rose," on So. Broad st., are somewhat out of the usual order. It might be called a featuring of the "new arrival," and reminds us of those dear, little, squalling lumps of mortality whose arrivals are necessary to perpetuate the human race. The decorations are simple but effective. Above a drapery of white and blue silk in the background is hung a light blue frieze representing a juvenile scene. The window floor is covered with green velour. Madonna vases are filled with choice single Dahlias. On easels are flower embowered copies of C. Clyde Squire's famous picture "Her Gift." In one corner of the window is an empty Madonna vase, and leaning against it a card bearing the suggestive words, "The New Arrival."

J. Wolf, Jr., of 1617 19th st., has the cut flower department on the main floor of Gimbel Bros. new store in New York City. Joseph Cannon is the manager.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and
DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lict Place SAN FRANCISCO
Greenhouses MELROSE, CAL.
Headquarters for
Japonese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Oct. 4, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	8.00 to	10.00
White Killarney	8.00 to	10.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	6.00 to	8.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.50
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties White	1.00 to	1.50
Standard Varieties Pink	1.00 to	1.50
Standard Varieties Red	1.00 to	1.50
Standard Varieties Yel. and Var.	.... to	....
*Fancy White	.... to	3.00
*Fancy Pink	.... to	3.00
*Fancy Red	.... to	3.00
*Fancy Yel. and Var.	.... to	....
*The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	75.00
" Cypripedlums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.75 to	1.00
" double	.75 to	1.00
Asters	.... to	3.00
Gladioli	4.00 to	6.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

ANNOUNCEMENT
The New Wholesale House of the
Chicago Carnation Company
IS LOCATED AT
35-37 Randolph Street, ROOM 302, CHICAGO, ILL.
A. T. PYFER, Manager
ALL ORDERS EXECUTED AT SHORTEST NOTICE
Please mention the Exchange when writing.

The most beautiful display of Dahlias observed at any retail store is seen this week at Pennock Bros., 1514 Chestnut st. Twenty-five baskets of Dahlias, mostly the Decoratives, with some Show and a few Singles, are used, so as to fill the whole window from top to bottom. The color scheme is largely yellow, yellow Dahlias and yellows tipped with red being used. Some baskets of Snapdragons of the same colors as the Dahlias, and one of Violets and Gardenias take away the sameness of the effect, which is further relieved by the interspersion of Crotons and Ferns. Loopings of broad yellow ribbon banging from the window ceiling further emphasize the yellow scheme. A mere glance, however, shows that the Dahlia is the feature of the display, and that the arrangement is very effective.

From Rorschach, Switzerland, Mr. Godfrey Aschmann writes us under date of Sept. 24 that the people there are enjoying snow and rain every day. Mr. Aschmann leaves Rotterdam, Oct. 8, on his return home.

Chicago

Sunday last was such a busy day that Monday morning found no surplus stock, as is usual from Sunday shipments, consequently on Monday there was no more stock than the demand required; in fact, in many lines a shortage was reported.

Judging by the advanced inquiries for small Boxwood, there will be an active call this Fall for these plants, mainly for use in filling window boxes. The filling of window boxes, vases, etc., for Winter decoration is becoming quite a feature of the retail trade. During the past season not only was Boxwood used extensively, but various small evergreens as well. The public in the West is evidently awakening not only to the availability of these plants, but to their beauty and durability. It behooves the retail florists in position to do this work to have a few sample boxes filled to show their possibilities; such boxes usually allow of a much better margin of profit than does the Spring planting stock.

It is reported that there will be a scarcity of Lilium giganteum in the larger sizes, not only in Chicago but all through the country, owing to the unfavorable season in Japan.

A visit to Vaughan's greenhouses, Western Springs, found the nurseries showing up in excellent shape, with a very fine collection of specimen shrubs. In the trial grounds unusually fine Asters were seen, which were grown from seed. Likewise, in the greenhouses, plants of all descriptions appear in extra fine condition for the Fall business, which Carl Cropp, who now supervises the establishment, anticipates will be very good.

The greenhouses of A. Filke of Wilmette are in excellent shape. They are nearly all used for the growing of Chrysanthemums; some 17 different varieties are raised, which will be used both for market purposes and exhibition at various shows this Fall. After the Chrysanthemum season is over the houses will all be planted to Sweet Peas. There are also to be seen here several houses of Migoonette and Marguerites, which are coming along as well as one could wish. Some good specimens of Ferns were also noticed.

The Albert T. Hay Floral Co. of Maywood reports a very good business at its retail store in connection with the greenhouses. Some excellent Carnations are being received in the Chicago market from this place.

Weberg & Peterson, florists of Chicago Heights, have dissolved partnership, Mr. Peterson buying out Mr. Weberg's interest and now conducting the business in his own name. Mr. Weberg has opened a retail store in another part of the town.

J. E. Meredith of Libertyville, Ill., has just completed two new greenhouses, and expects to add several more to his establishment the coming year.

Tim Matchen, the genial manager of Peter Reinberg's wholesale house, slipped quietly away from his many friends on Saturday, Oct. 1, and married Miss Ida Bolgren of Portage, Wis., spending Sunday and Monday at Portage. Tuesday found him again on deck, ready for the usual rush of business. The good wishes and congratulations of his many friends in the trade are extended to the newlyweds.

Mrs. Cunningham, daughter of our genial wholesaler, John Zech, presented him with a new granddaughter on Tuesday, Sept. 27. Miss Keegan, who left the employ of Zech & Mann eight weeks ago, owing to ill health, has again fully recovered and is once more at her desk in the firm's office.

Monday found the Chicago Carnation Co. of Joliet, Ill., conducting business at its new wholesale quarters, room 203, 35 Randolph st. While this concern has, on two previous occasions, handled its surplus stock on the market, it is the first time it has opened a store exclusively for handling all its stock from the Joliet establishment. A. T. Pyfer is the manager, and Will Starrett, late with J. B. Opitz, and son of John Starrett, a veteran in the trade, will be in charge of the selling department. All the business of the company will be conducted from this address.

It will only be a short while before we find all our retailers delivering their orders by autos. Samuelson has added his establishment to the already long list, using either one or two autos in place of wagons.

Winterson's Seed Store finds a brisk demand for named Peonies, of which they have quite an extensive stock. A new stock of Palms and Ferns is exceedingly fine, and moves nicely.

The J. B. Deamud Co. is handling some remarkably fine Golden Glow 'Mums. Some unusually fine Hydrangeas for this season are also seen at the store. The company is now receiving extra fine blooms of Cattleyas, for which there is a good demand.

Bassett & Washburn are receiving some extra fine American Beauty and Rhea Reid Roses.

Hoerber Brothers' place is now out of the hands of the carpenters and painters, and everything is in readiness for the busy season. Their stock is arriving in a most encouraging way.

The increase in supply and beautiful coloring of the Cattleyas received at Chas. McKellar's daily shows that the Orchid season is advancing favorably; in fact, Mr. McKellar says he has never seen better stock.

A. Lange had a large wedding on Thursday of last week, when the bride carried a flower muff instead of the usual shower bouquet. This is the first order for a muff executed in flowers for a bride Mr. Lange has had this season.

Vaughan & Sperry report not an abundance of stock but enough to meet the present demands. All stock arriving is much improved from one day to the next.

Carl Thomas returned on Monday from his Summer's vacation spent at West Springfield, Pa., and is again with the A. L. Randall Co.

Geo. Pieser is now employed by the Paul Bloom Co., North Clark st.

Ernest Farley is in town and anticipates remaining here.

Arnold Ringier, of the W. W. Barnard Seed Co., returned last Friday from his Eastern trip, reporting business good. He left again on Saturday night for a trip to St. Louis.

Visitors: Milo Crozier, Cedar Rapids, Ia.; A. L. Perring, Onarga, Ill.; M. Anderson, Dayton, O.

J. M. Cole and wife, of Peoria, Ill., are spending some days in Chicago. They are accompanied by a niece, Miss Bassett, of Ocean Grove, Cal.

R. A. Smythe of Benton Harbor, Mich., president of the Michigan State Horticultural Society, was a visitor in Chicago the latter part of last week.

C. W. Ward of Cottage Gardens, Queens, L. I., is in town visiting among the growers of Chicago and vicinity.

As yet, no place has been decided upon for an office for the manager of the Fall show of the Horticultural Society of Chicago. Manager Asmus hopes, however, to have the matter decided in a day or two.

Harry E. Philpott arrived from Winnipeg in time to attend the Chicago Florists' Club's meeting on Thursday evening.

The Chicago Florists' Bowling Club met last Wednesday evening, Sept. 28, at Bessinger's alleys, with the following result:

	1	2	3	Total
Orchids vs. Violets	776	738	715	2229
	693	791	831	2315
Car'tions vs. Roses	1	2	3	Total
	752	720	733	2205
	747	669	695	2111

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
REGONIA Vernon, 4-in. pots, in bloom, $1.00 per doz.
STEVIA, dwarf, 4½-in. pots, $1.00 per doz.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 60c. each.
RUBBER PLANTS, 6-in. pots, 26c. each; 6-in. pots, 36c.
FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.
BOSTON FERNS, 4-in. pots, $1.50 per doz.; 6-in. pots, $2.00 per doz.
DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.
CINERARIAS, Finest Varieties, 2½-in. pots, $3.00 per 100.
GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.
CARNATIONS, The Queen, started in 4½-in. pots, $6.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $6.00 per 100; **Killarney,** 5-in., 36c. each.
DRACAENA Indivisa, 4-in., $10.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Riccard, Buchner, Poitevine, R. C.,** $1.60 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each; 6-in., 36c. each.
FERNS, Boston, 5-in., 25c. each.
VINCA Variegata, 2-in., $2.00 per 100.
Cash with order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1°00
PANSIES, fine, stocky plants	$3.50
FORIGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.
REX BEGONIAS, 3-in., $4.00.
COLEUS, 2-in., $1.00.
SCOTTII FERNS, 3-in., $6.00.
GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 6-in., $20.00.
VINCA, 2-in., 3c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.
HELIOTROPE, 3-in., $1.50.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

PETUNIAS

Seeds of our celebrated strains

Marvelous Dobule and Giants of California (Single)

Orders booked for Fall Delivery.
We are also large growers of other Small Seeds. Send for trade list.

Theodosia B. Shepherd Co.
Ventura, California

Please mention the Exchange when writing.

Kalamazoo, Mich.

Business the last two weeks can be called fair, the fine weather being a factor both supplying the outdoor stock as well as keeping outdoors the buyers, also, hence transient trade is very light. Funeral work is rather slow, no big orders coming in for the last week or two.

The weather is grand for the growers and all indoor stock moves along nicely and promises well for the season. 'Mums of good quality are being cut right along although not enough to create an oversupply; they sell at an average of $1.50 per doz. Dahlias and Gladioli are still on the market but find little favor now. Roses are in good shape but, as expected, Carnations will not be plentiful just yet. Single Violets are coming along nicely. The trade in bulbs is delayed by the fine displays still maintained by the Summer flower beds which look now equal to their best.

G. Van Bochove and his brother spent several days in Detroit last week on business.

John Thomas (who, by the way, is the only florist here of military proclivities) was with his regiment at the camp last week at Indianapolis, after which he took a tour around the cities of the Middle West, including Pittsburg and Detroit; as John is an observant youth no doubt he will add considerable to his stock of knowledge.

Fred Marker is preparing to rebuild a small house this Fall; he raises considerable Celery, besides flowers, and says the Celery business has benefited by the shortage in fruit and Tomatoes. From reports in the papers the canners of Tomatoes appear to be scrapping and serving injunctions, etc., on each other in order to get their contract crops filled, all of which goes to show there must be a big shortage of that class of goods. Grapes are also reported to be only a ten per cent. crop.

S. B.

Pittsburgh

Trade conditions were a trifle better last week, sufficient stock being on hand for the demand. Carnations are yet scarce; the quality is improving, although short stemmed. A few 'Mums are to be had, principally yellow; good prices are asked for them but they are not in much demand. Dahlias are coming in more plentifully, selling fairly well; some good Singles are very showy. Asters are poor; quite a few are to be had and are useful indeed on account of scarcity of Carnations. Cosmos is coming in slowly, late this season, and will likely be nipped before much is cut. The weather is still very summerlike, the thermometer high in the eighties, and no rain the past week.

John Bader has returned from his long stay in Kansas and will leave again in a few days for West Virginia, to visit his large farm, purchased a few years ago.

E. C. Ludwig, the North Side florist, has purchased a nice farm of 81 acres, about 23 miles from the city, where he intends to grow outdoor cut flowers for his business. The farm is easily reached by electric and steam cars, and has a dwelling house and barn, plenty of water, and is fairly level. Mr. Ludwig expects to stock it with Peonies, Iris, Lilies, and this Fall, also hardy flowering shrubs for which he has already placed some large orders.

The Pittsburgh parks for the last few weeks are looking their best; the lawns are perfect, and the flowering beds are much admired by the public. George Burke, superintendent of Bureau of Parks, deserves great credit for what he accomplished the last year in making our parks equal to any in the country. The conservatories are also in fine condition, although troubled much with dirty glass on account of the close proximity of the mills, but frequent washing with acid diluted in water keeps the glass fairly clean. Foreman John Jones has his 'Mums in fine shape for the Fall show, and promises quite a few of the new sorts, some of which are doing exceedingly well. The North Side parks are also in better trim than for some time; quite a few improvements were made the past year. J. Moore, who is in charge, had a fine show of fancy Caladiums this year, and his show of Chrysanthemums promises very well and will be quite extensive. The trees in the North Side parks have suffered considerably this year, although they were sprayed frequently. The bedding at Highland Park, in the East End, is far better than it ever was; this park is very popular, particularly on Sundays, and is visited by great crowds.

E. C. REINEMAN.

PROSPERITY!
PROSPERITY!!
PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with Araucarias fine.
With Ferns that are better than before;
For Palms that are stately should in our windows shine.
So our stores will have patrons evermore.
Let us wend our way to Aschmann's and choose the best he grows
(The plants that we need he has galore),
And, ae we count our profits, see the end of all our woes,
While hard times come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.
ARAUCARIA Robusta Compacta, $1.00, $1.25.
ARAUCARIA Excelsa, top cuttings, no seedlings, 6-6-7 in. pots, 3-4-5-6 tiers, 12-15-18-20-25-30 in. high, 40c.-60c.-60c.-75c.-$1.00-$1.25-$1.50.
KENTIA Forsteriana, 4-6-7 in. pots, 20-25-30-35-40-46 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.
KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-36-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.
COCOS Weddelliana, 12 to 16 in. high, 15c.-20c.-25c.
SAGO PALMS, Cycas Revoluta, 6-7-8 in. pots, 5 to 20 leaves to the plant, 10c. per leaf.



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 60c.
ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 6c.; 4-in., 10c.
ASPARAGUS Sprengeri, 2½-in., 3c.
NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 5½-6 and 7 in. pots, 35c.-40c.-60c.-75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.
NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.
FERNS for Dishes, a good assortment, $3.00 per 100.
ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.
CINERARIA Hybridum, 2-in. pots, $3.00 per 100.
CYCLAMEN Giganteum, 4-in., 15c.; 6-in., 20c.
PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 6-in., 15c.
RUBBER PLANTS, 6-in., 40c.
PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.

Cash with order, please.
All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

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Please mention the Exchange when writing.

HARDY CHRYSANTHEMUMS

IT will be admitted we are offering below a splendid list of these popular plants, both in the Pompon and Large Flowering types. Delivery will be made in October in strong field roots, just what is needed for Winter propagation. File your orders now.

Anna Mary, (Pompon), salmon pink.
Ashbury, (large flowering), sulphur white.
Blushing Bride, (P.), clear pink.
Brown Bessie, small, globular, brown.
Dawn, (P.), Daybreak pink.
Dundee, (P.), maroon shaded scarlet.
Gladys, (L.), pearl pink.
Golden Pheasant, small, round yellow.
Jerry, (L.), pretty lilac rose.
L'Ami Courderchet, (P.), dainty sulphur white.
Model of Perfection, small, round white.
Mrs. Snyder, (L.), clear yellow.
Patterson, (L.), beautiful old gold, shaded darker.
President, (L.), rich purple crimson.
Princess of Wales, (L.), white.
Regulus, (L.), bright terra cotta bronze.
Rosinante, (P.), blush rose, very dwarf, distinct and beautiful.
Salem, (L.), silvery rose.
St. Alamo, (L.), extra fine white.
Sunshine, (P.), golden yellow.
Tiber, (P.), light bronze.
Trojan, (P.), maroon, dwarf and very free.
Willie, (L.), lilac and white.

Any of above, **75c.** per doz., **$5.00** per 100.

AMON HEIGHTS NURSERIES, Merchantville, N. J.

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Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

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WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y.
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Established 1765.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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N. COWEN'S SON
14 & 16 Wooster Street, New York

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

Please mention the Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2¼ " "	6.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 60	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
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Fertilizers

For GREENHOUSES, LAWNS, FARM, Etc.
AT WHOLESALE PRICES

I save you 30 per cent. State plainly what you require and for what purpose.

William M. Davidge, 156 Madison Street, Brooklyn, N. Y.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street New York

Please mention the Exchange when writing.

The Mastin Automatic Whitewash and Spraying Machine



Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake Street
CHICAGO, ILL.

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St. Louis.

We had with us last week W. J. Vesey, Jr., of Fort Wayne, Ind., M. F. Widmer of Highland, Ill., Edward Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia; all called on the trade and Mr. Fancourt did a nice business in ribbons.

Wm. Bouche, one of the best landscape gardeners in the city, is in the East looking over large estates and parks; he has several large places to lay out on which he will begin at once on his return.

Prof. H. C. Irish, superintendent of Shaw's Garden, has returned from a two weeks' trip to St. Paul where he went to meet his committee to attend the Conservation Congress; he was appointed on this committee at the last S. A. F. meeting.

P. T. Barnes, who was formerly a student at Shaw's Garden, and also a member of the Florists' Club, but now connected with Suburban Life at Harrisburg, Pa., in the editorial department, called last week.

W. W. Cochrane, president of the Merchants' Exchange, attended the meeting of the American Grain Exchange at Chicago last week and was made chairman of a committee on the improvement of seed.

Edward Kelly, of the Kelly Floral Co. always shows up at the right time in the wholesale district just when the phone rings "has any one here seen Kelly?" The company's place at 18th and Olive sts. is in shape for the season; they make a specialty of goldfish in which they do a big business.

THE BEST



Bug Killer AND Bloom Saver

FOR PROOF WRITE TO

P. R. Palethorpe Co.
Owensboro, Ky.

Please mention the Exchange when writing.

KILMDEAD



The best of all the tobacco dusts for Dusting or Fumigating

50 lbs., $1.00 25 lbs., 1.75 | 100 lbs., $ 3.00 200 lbs., 14.00 | 1000 lbs., $27.00 2000 lbs., 52.50

Stumpp & Walter Co. 50 Barclay St. New York.

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NOW IS THE TIME TO USE

DREER'S
Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. **Dreer's Peerless Glazing Points** will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c. postpaid. 5000 points by express for $2.75.

IF YOU ARE BUILDING

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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A. HERRMANN
Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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Greenhouse Material of Louisiana Cypress and Hot-Bed Sash Washington Red Cedar



Greenhouse Hardware and Posts Patent V and U Gutters

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT

Write for Catalogue and Estimate when figuring on your new houses

A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL.

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GLASS

Repair Season Here
We Have the Stock
Before buying write us for prices

SHARP, PARTRIDGE & CO.
Long Distance Phone Canal 880
CHICAGO, ILL.

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

"We are well pleased with the returns received from your publication, and the better the display you are able to make with this advertisement, the more results will be obtained which will be better for us both."—*Address of this advertiser upon application.*

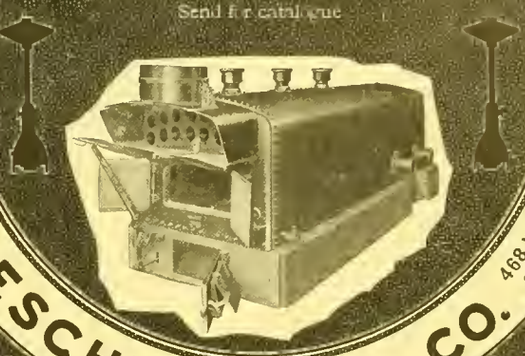
ORDER NOW — TELEGRAPH AT OUR EXPENSE

KROESCHELL HOT WATER BOILERS

This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make

Send for catalogue



KROESCHELL BROS. CO. 468 West Erie Street CHICAGO, ILLINOIS

WILL SHIP WHEN WANTED — PAY AFTER BOILER REACHES YOU

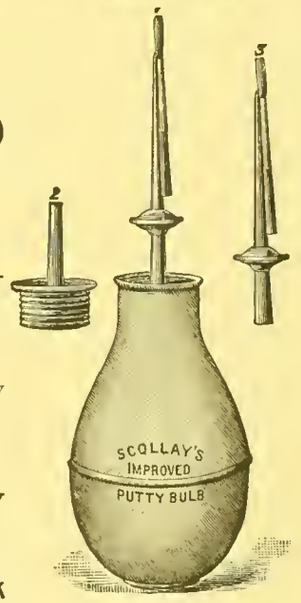
Please mention the Exchange when writing.

Scollay's Putty Bulb

MONEY SAVED—and that is what counts

Best Tool in Use for Glazing and Repairing

For sale by your Seedsman or Supply House, or **sent per mail on receipt of One Dollar, postpaid**



JOHN A. SCOLLAY
74 and 76 Myrtle Avenue
Borough of Brooklyn, City of New York

Please mention the Exchange when writing.

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

Please mention the Exchange when writing.

In Bulletin No. 10 of the Missouri State Board of Horticulture, L. P. Jensen, gardener for the Busch estate, has a fine article on "Lawn Making."

L. P. Jensen, secretary of the Engelman Botanical Club, reports that it will resume its monthly meetings this month and they will take place, as usual, in the botanical laboratory of the Central High School Building.

Ostertag Bros. report that they had several large decorations for Fall openings last week. The opening of Greensfelder Bros. new store was the largest, the cost running to nearly $800. The Ostertag's had a great many orders for the Veiled Prophets' Ball which took place in the Coliseum Oct. 4.

C. Young & Sons Co., again had the Veiled Prophets' ball decorations this year; in addition to the regular plants, 1000 American Beauty Roses were used. They have had this big job for the last few years.

The Florists' Club will hold its regular monthly meeting in Odd Fellows' Hall on next Thursday afternoon, Oct. 13. President Connon and Secretary Beneke are making special efforts for a large attendance. All members are requested to be present. ST. PATRICK.

Louisville, Ky.

Louisville floral conditions are indicative of steady improvement throughout the Fall, as the Horse Show will open up about Oct. 1 and the business of flowers and Ferns is always greatly increased by the coming of the equines, with their fashionable owners, to this city. New Fall flowers are developing every week and practically every variety of bloom shows good condition and gives promise of selling readily. Chrysanthemums have appeared, and although the early varieties are small and cannot be assigned to a big place in the florists' calendar, it is believed that good business will result from the fine large crop of Chrysanthemums that will be produced.

Authentic returns in regard to the floral display at the Kentucky State Fair last week have been received. The awards were extremely difficult to decide, owing to the profusion and general excellence of every display. The prize that attracted a major portion of the attention of florists was the handsome silver cup, bought by subscriptions from local florists. The contest for this cup, which was to be given to the designer of the handsomest set piece, was spirited. After several hours' conference, in which piece by piece was eliminated by the judges, the cup was awarded to the firm of Nanz & Neuner, who exhibited a handsome broken column, made of Ivy leaves intertwined with white Roses and bunches of white Bouvardia, with the base of the piece composed of extra fine Maidenhair Ferns. The piece was 6 ft. in height, standing upon a 5 ft. base, and an unusual amount of time was required to construct it, since each Ivy leaf that went into the design was given a glistening sweet oil finish. The piece was designed by Miss E. C. Pulford, who has been connected with the Nanz & Neuner establishment for a number of years, and the work was executed by Will Raby, an employee of the firm. The judges in the contest were Fred Haupt and A. Rasmussen. The trophy, 18 in. in height, was one of the handsomest silver cups ever offered for a floral display in this city. Some of the other awards were: Flower display for basket—1, C. B. Thompson; 2, M. D. Reimers. Cut flowers—1, M. D. Reimers; 2, J. Schulz. Asters—1, J. Schulz; 2, M. D. Reimers. Gladioli—1, J. Schulz; 2, M. D. Reimers. Chrysanthemums—1, J. Schulz; 2, M. D. Reimers. Roses—Nanz & Neuner. Best table of cut flowers—1, M. D. Reimers; 2, J. Schulz.

Owing to unavoidable delay in the construction of their handsome new shop on Fourth ave., near Broadway, Nanz & Neuner will be unable to occupy the "Rosary," as the new store will be called, until about Oct. 15.

Jacob Schulz is showing some very handsome Orchids in his window on Fourth ave. Mr. Schulz has departed from hackneyed forms of advertising and has rented a big space in the Louisville Lighting Co.'s immense electric sign, directly behind the Louisville Post Office, across the street from the Schulz floral shop. The decorative feature of the big electric display is embodied in a handsome spray of American Beauty Roses, done in colored electric lights. A big space, 20x60 ft., is required for the Schulz electric ad, and it is said that the cost is in the neighborhood of $600 per year.

Seaweed for goldfish is being featured by Henry Fuchs, the well-known Fourth ave. florist, in connection with his general lines. Mr. Fuchs maintains an attractive finny department in his store, and he reports that the denizens of the deep are a paying investment for any florist. Mr. Fuchs has made up some attractive "Fall Opening" floral announcements during the past fortnight, for local dry goods merchants; in addition to making the designs, Mr. Fuchs rents a large array of Ferns and potted plants to merchants for store decoration.

Some of the first Chrysanthemums of the season are being shown at the shop of August Baumer, in the Masonic Temple Building; they are the Golden Glow variety.

Mrs. S. E. Thompson, who is a relative of Mrs. C. B. Thompson, the prominent Fourth ave. florist, is now occupying a handsome florist store in the Walnut St. Theater Building, near Fourth ave.

Mrs. M. D. Reimers has received a large importation of bulbs from Holland.

The first Violets of the season have appeared in the shop of Mrs. C. B. Thompson. Dahlias are now reported to be in their prime and are correspondingly heavy sellers for Mrs. Thompson. A window display of Goldenrod recently attracted much attention at the Thompson store; this flower is the official flower of the "Bluegrass State."

Fred Haupt, a well-known local florist, recently sold the Hast Building, on Fourth ave., to T. P. Taylor, a prominent druggist of this city.

Mrs. C. B. Thompson recently purchased a handsome twelve-room residence on East Broadway from Fred Senning and is now converting it into an apartment house. G. D. C. JR.



144 Sunlight Sash in the yard of M. E. Hiett, Florist, Clarksville, Tenn. Think of the money saved by the elimination of all mats and boards in this yard—Think of the saving in labor for covering and uncovering the beds.

Pay for themselves in a single season

Sunlight Double Glass Sash will more than pay for themselves in the better, earlier crops that will bring the big prices on the early market—and in time and labor saved in caring for the beds.

You never have to cover Sunlight Sash

You can throw away expensive, cumbersome boards and mats. You can save all the time you now take to cover and uncover the beds—because Sunlight Double Glass Sash have

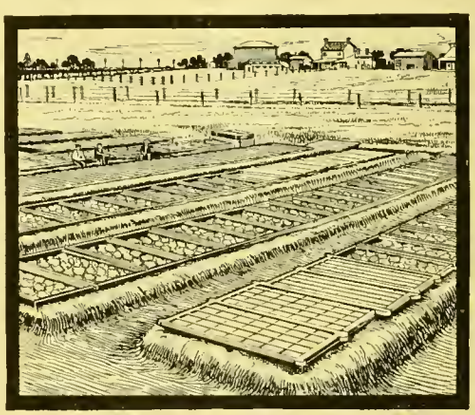


Two layers of glass instead of one

Between the two layers of glass is a 5/8 inch layer of dry, still air. This transparent blanket is a perfect non-conductor, keeping in the heat—keeping out the cold—permitting the plants to get *all the light all the time.*

Every grower will appreciate the value of this at once. Plants that mature under glass will be ready under Sunlight Sash for the market weeks ahead of those grown under single glass sash—and plants that are forwarded will be bigger and sturdier when the time for transplanting arrives, because the plants get the light from sun-up to sun-down—which means faster and stockier growth. Think of the dollars and cents value of having a perfect crop on the market early—when prices are still high.

The glass in Sunlight Double Glass Sash is held in place without putty. Cannot work loose—easily replaced.



One man takes care of all these Sunlight Sash because there is no covering or uncovering.

On the opposite page are some of the letters we have received from growers and florists—telling of their successes with Sunlight Double Glass Sash.

Agents wanted: A splendid opportunity for responsible persons in territory where we are not now represented. Write for details.

Sunlight Double Glass Sash Co.,
933 E. Broadway, Louisville, Ky.

Here is what successful growers and florists think of Sunlight Double Glass Sash

"Mine will pay for themselves the first year"

"The hundred sash I bought from you have given the greatest possible satisfaction.

We got to 4 degrees above zero and I found my flowers untouched. Moreover, I am daily making 25% more than others who have greenhouses. I have just cut 1000 flowers, although the weather is very wintry. My opinion is that your sash will advertise themselves and you will never be able to make them fast enough. Mine will pay for themselves the first year, and I would not have a single sash for a gift."

O. W. D'Alcorn,

Congress Heights, Dist. of Columbia.

"Six degrees below zero—no plants injured"

"Used Sunlight Sash on cold-frames all winter and spring, and grew cosmos, asters, lettuce and tomatoes in them. The lowest temperature was 6 degrees below zero, and no plants were injured."

J. H. Wilson & Son, McLeansboro, Ill.

"15 degrees below zero!"

Harry S. Walker; Terra Haute, Ind. His hotbed covered with Sunlight Sash was used for cabbage, tomatoes, eggplants and mangoes. The minimum thermometer during the winter was 15 below zero: no plants were injured. "Plants grown under single glass sash were not to be compared with mine under Sunlight Sash."

Here's one from the Long Island Agronomist

April 1, 1910.

"We are now transplanting our tomatoes, peppers, cauliflower, etc. in the frames, and our double glass sash show up way ahead of the single, particularly in vigor and color."

"Labor saved will soon pay for the Sash."

"I used both hot-beds and cold-frames this year and grew onions, tomato, pepper and sweet potato plants and most all kinds of market garden truck. The coldest day was 2 above zero, and no plants were reached by the cold. Not only did the seeds germinate quicker under the double glass, but the plants do better, much better than under the single glass sash. And the labor saved in extra covering will soon pay for the sash."

R. M. Kingsley, Greenville, Tenn.

Plants under *covered* single glass sash frozen—those under Sunlight untouched.

"I used my Sunlight Sashes on hot-beds for radishes and lettuce up to March 1st, and then for the general line of vegetables. All did well. Under single-layer sashes in hot-beds, even with extra covers, plants were frozen. The Sunlight Sashes were never covered, though the thermometer went to 10 degrees below zero."

U. W. Iverson, Milwaukee, Wis.

Send for these two books

1. Our Free Catalogue.—It contains the details of this new invention for hot-beds and cold-frames, and testimonials from well-known growers all over the United States who have used Sunlight Double Glass Sash successfully under all weather conditions. Use the coupon at once and get this interesting book free. It states our freight prepaid and guaranteed delivery propositions.

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If booklet is wanted, mark a cross (X) on the square in coupon and enclose 4c. in stamps.

Cut out along this line

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SUNLIGHT DOUBLE GLASS SASH CO.
933 E. Broadway, Louisville, Ky.

Gentlemen :—

Please send me your free catalogue.

Name .....

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Please mention the Exchange when writing.

Poughkeepsie, N. Y.

An illustrated lecture on Orchids is to be given in the Opera House at Poughkeepsie on the evening of Oct. 21 by Dr. George B. Shattuck. The plates to be used are 5x7 in., more than twice as large as the lantern slides in common use, and it is said that the Orchids which will embrace varieties from Central and South America, Mexico, West Indies, India, Australia, China, Japan, Philippine Islands, East Indies and Africa, will be reproduced in their natural colors and will appear on the screen as exquisitely wrought oil paintings. About 100 pictures will be shown, the views occupying 7 to 10 ft. in size. The stereopticon has been made to order for the purpose and is said to be the finest electrical, dissolving view, projecting apparatus in existence. The machine itself is 5 ft. long and stands 6 ft. high. It is made of aluminum and two powerful arc lights are used.

It would appear as though this illustrated lecture would be a good one to have at the various florists' club meetings throughout this Winter. Dr. Shattuck's address is Vassar College, Poughkeepsie, N. Y.

Lockport, N. Y.

Weather conditions have been very favorable to late crops this season; plenty of rain and warm weather. Up to date there have been no injurious frosts. The Asters were a great success both in quality and quantity and brought good money. The early crop was a total failure owing to the extreme dry weather. Indoor planting was finished early this year and the Carnations in particular are coming on nicely. McCarthy's show promise of a fine season's cutting. Only a few flowers are seen but they are of good quality and on good stems. 'Mums are growing finely and will be on the market in less than 10 days.

LOCKPORT.

San Francisco

The Market

Business during the past week has been quite satisfactory and prices are pretty good all round. Society people are rapidly forsaking the southern watering places and are returning to town; this in itself helps the retailer quite considerably. Carnations continue to improve daily, and another week or two should see them well nigh perfect, so far as length of stem and quality of the blooms are concerned. Roses have shown quite a perceptible improvement of late, and some nice prices are to be had for first-grade blooms. A few nice American Beauty have made an appearance, and sell well. Chrysanthemums are in heavier supply than ever before at this date. The quality of the 'Mums which I have seen brought into the market of late has been strictly first-class, and growers have had no reason to complain, so far, in regard to prices. Violets continue to arrive in moderate quantity, and move well. Lily of the Valley is moving better than it has for some time past, probably owing to the increasing number of weddings. Cattleyas are still short of the demand, but a limited number of other Orchids help to make up the deficiency. There is a fairly good demand for green goods of all descriptions, with prices about the same.

Various Notes

Henry Goertszien is shipping some extra fine 'Mums to town these days. He is busy getting ready to clear the boards at the coming show.

The Art Floral Co. reports that business is picking up wonderfully, and keeps getting better each day. The new nursery of this concern is proving to be a great success and some nice stock has been sent into the store in the past few weeks.

Frank Pelicano intends going in heavily for Cyclamens next season. He classes Cyclamens as one of the best sellers at Christmas.

The California Evergreen Co. has received several large consignments of Tree Moss from Sonoma County.

The MacRorie-McLaren Co. has a fine assortment of Bay trees on view, at its nurseries at San Mateo at present.

Present indications point to the coming exhibition of the Pacific Coast Horticultural Society being the most successful ever held by the Society. Entries are coming in rapidly, and the donations of cups and money prizes from trade firms and private individuals have been most gratifying. It only remains now for everyone to carry the project along with a rush, and each do his little bit towards making the exhibition better than its predecessors.

Quite frequently I receive letters from eastern growers, asking me what inducements there are for them to come to California, and what sort of opening there is in this State for the man of small means. Now, I once asked that question myself. Many years ago, a friend of mine who had traveled much, was wise in his own peculiar way, and thought he knew all about the West. In answer to a question of mine as to what kind of place California was for the poor man to live in "My boy," he said, "California is the rich man's paradise and the poor man's hell." This was twelve years ago. I have traveled a little myself since that time, and, incidentally, I came out to California to see what "hell" looked like. In my young days I remember I used to be told that when a person went to hell he never came back. I guess that's how we all feel when once we come to the Golden State. California, from a horticultural point of view, is a land of miracles. I do not refer to such things as Spineless Cactus, and others of that ilk, but to the wonderful progress made by the Californian in solving the question of irrigation. Where now one sees orchards and long rolling stretches of vineyards was, not very many years ago, a wide sweep of barren, rolling hills, sunburnt and brown and apparently hopelessly dry—but nothing is impossible to the Californian. Probably no other country in the world offers the rich so much; but it will also share its bounty with the man of energy and thrift, and this is probably more noticeable in our own line of business than in any other.

MACMILLAN BROWN.

Trouble Talk

Number Three

It's about the so-called "Patent Heat Generators."

Wasn't that a great flim-flam game that Philadelphia crank put up a year or so ago about burning ashes! All you had to do was carry a little vial of the "Great Discovery" around in your vest pocket, pour it on the ashes anytime the janitor happened to be bringing them out. Presto, you had fuel again! That was going some for Philadelphia, wasn't it? But the funny part of it was, so many folk believed it. Swallowed the bait, hook, sinker and line, just as a lot of the growers are doing about the so-called "Patent Heat Generators."

You can't get a quart out of a pint jug, that's certain. Neither can some kind of an apparatus screwed on the side of your boiler, generate heat. *It takes coal to do that* and if you get more heat from the same boiler, you burn more coal, mark my word for that.

If your hot water heating system is wrong, the circulation slow, then make it right. It's by far the cheapest way to do it, and I'll tell you why.

Water boils at 212 degrees in the regular atmosphere pressure of 15 lbs. to the square inch. Increase that pressure, say 10 pounds more, and the water boils at 240 degrees. That's what the "Heat Generators" do. It's plain as day that it is going to take more heat and more coal to get that boiling point up to 240. What do you gain? The extra pressure may carry the water over a dip in the piping or force it through too small mains—*but* you are paying for it. *Heat Generators do not generate heat, they simply increase pressure.*

To put a generator on to help circulation is like a man eating mince pie and then taking dyspepsia tablets so it won't hurt him.

Fix your heating system right—(cut out the mince pie) —it will cost less in the end.

If you have circulation troubles let me come and locate them. I'll figure right on the spot, what it will cost to make things right. And when they are right—they will be right—and money in your pocket in the end. Address your letter like this,

The Trouble Man

Hitchings & Co.

ELIZABETH, N. J.

P. S.—Next week's Trouble Talk will be "Air Locks—their Medicine."

Please mention the Exchange when writing.

Coatesville, Pa.

Jas. Brown has torn out all his old wooden benches and is replacing same with up-to-date iron and concrete benches, which greatly improved the range. Carnations, Roses and 'Mums are grown here quite extensively, as well as mixed stock. He does considerable design work, in fact is the only practicing florist in Coatesville. Mushrooms are grown under the benches, and a large quantity of Tomatoes are raised in Spring.

S. P. Shrom, who formerly had a store here at 307 Main st., succeeded in finding a buyer for his store who, however, has since closed it and gone to pastures unknown. P. M. R.

Washington, D. C.

The equinoctial period passed with no relief whatever from the drought, which is the worst experienced in this vicinity; and to add to the damage already wrought, heat and drying winds have been prevalent each day. The only outside plants thriving at all are those artificially irrigated, and this work is greatly impeded by the number of wells, springs and branches which have gone dry for the first time in their history. The Dahlia crop, which should now be at its height, is sending forth only inferior stock, both quantity and quality lacking; the best Dahlias are being received from New Jersey. A very few Asters are seen, and this is a time when they would prove most profitable. Some small white and yellow 'Mums are coming in from nearby points, but for these the demand is light, owing, it is thought, to the excessively hot weather. A few double Violets and a rather over supply of singles are shown, but the quality, of course, is lacking.

Among those who visited the establishment of R. Vincent, Jr. & Sons Co. at White Marsh, Md., on Sept. 27, were John Robertson, Jr., William Marché, and W. A. Bolinger. All came back thoroughly enthused with the magnitude of the place, and courteous treatment extended them by the Vincents.

The local bowling team went to Baltimore on the night of the 27th, and rolled games with the Baltimore and Philadelphia teams.

Saturday was Z. D. Blackistone's busiest day thus far this season. He is selling a good number of Palms, and also running a special sale on Peony roots, the latter at $2 per dozen.

W. Marché says business is picking up; he is selling a good many Palms and Ferns.

S. S. Pennock-Meehan Co. are receiving some good Dahlias from New Jersey which find ready sale. It is understood that on Oct. 15, W. E. McKissick of Philadelphia will become their local manager.

O. W. D'Alcorn of Congress Heights, D. C., is cutting a large lot of early 'Mums in white and yellow.

The new flower store of Stanley F. Holland, at 1209 14th st. N. W., opened for business on Oct. 1, with a general and well-selected stock.

J. A. Phillips is remodeling his store and putting in a new show window extending to the building line, which will give him much more space for his increasing business.

Wallace W. Kimmel expects to have completed repairs to his new store by next week and have full possession.

The Florists' Exchange is handling a new novelty in the shape of a small fancy green basket for cut flowers.

The Non-Breakable Flower Vase Co. reports good success. It is now getting out many new novelties and new features in connection with its vases; chief among the latter are special arrangements for the care and proper display of Cattleyas, to prevent their condensing together as in any ordinary vase. The several different styles in which the last consignment of vases are finished are attracting much attention.

Gude Bros.' Co. supplied all the flowers used for decorating the newly opened Café la Publique, and, additionally, have secured the contract to supply flowers for the rest of the season.

J. R. Freeman is cutting some of the best Enchantress and White Perfection Carnations seen thus far this season; he is also exhibiting some tub-grown Crape Myrtles, and a fine lot of Ficus pandurata about 5 ft. tall.

The Washington Florists' Co. has a particularly striking and most creditable display in its F. st. window, a tribute to the opening of the various seminaries. The floor of the window is covered with green, crumpled tissue paper, representing waves upon which are sail boats, each with pennants bearing the initials of the various schools. The ships are clad in spray Cattleyas, and the rigging with Smilax and Asparagus plumosus. Above all are boughs of Sweet Gum and innumerable pennants of Washington, and in the background is a fine reproduction of the Washington monument still further localizing the unique display.

O. A. C. Oehmler has had several operations performed for adenoids during the last fortnight, and expects in order to get the desired relief to have still another, of greater importance.

C. O. Taveuner is cutting a good many Dahlias, above the average, which he has kept up by constant watering.

Worcester, Mass.

Worcester florists report an excellent business for the opening of the Fall season. The shops and windows are most attractive. Cut flowers, especially those arranged in corsage bouquets, are sold as soon as they are displayed. Orchids, with Lily of the Valley, are popular, and Violets with a red Rose center are also favorites with Worcester women.

H. F. A. Lange is showing a Cattleya Atlanta, which is very rare. It is one of the Orpet seedling hybrids, and the flowers are a beautiful purple. The plant grew 33 flowers in all, although only two stems bearing blossoms remain. It is shown in the south window of the shop, and arranged with a background of greenery and a draped affair of white gauze ribbon has attracted much attention. Mr. Lange's Orchids are doing remarkably well and he is receiving many calls for them. Wedding orders keep the large corps of assistants in the Lange establishment busy. At the Morgan-Churchman wedding in Central Church on Wednesday night, the decorations were by Lange. White Lilies and Palms were used. The pink Dahlia Kriemhilde, of which the Langes make a specialty, with Asparagus, were used in a bower in the drawing room of the Morgan home, while My Maryland Roses were used in the dining room and in profusion throughout the house.

C. D. Mackie is receiving many wedding orders. His work at the Willard-Meredith wedding in All Saints' Episcopal Church on Wednesday night, was much admired. Lilium Harrisii and Palms decorated the chancel rail, and clusters of white Chrysanthemums tied with white satin ribbons marked the guests' pews. The bridal bouquet was of Lily of the Valley. In the Willard home Roses and Palms prevailed. Pink Killarney Roses were used in the dining room and Richmond Roses decorated the library. The drawing room was elaborately decorated with Easter Lilies and Palms. Weddings, funerals and a large patronage generally, keeps the Mackie shop busy all the time.

The Flower Shop on Southbridge st. is showing some good cut stock, and is busy sending out Ferns for the homes.

Leonard C. Midgley of the Worcester Conservatories is fully prepared to meet the demands of the Fall trade. His four houses of Carnations, with 10,000 to a house, are doing nicely. Mr. Midgley has grown one entire house of pot stock, and from these is now cutting between 700 and 800 blossoms a day. He has 12,000 Enchantress, 4000 White Enchantress, 1000 Dorothy Gordon and 2000 Beacon Carnations, which supply the demand made by the retailers in Worcester and the county. The balance of the Carnation houses is devoted to miscellaneous varieties of a cheaper grade. Two houses are used for Roses, Mrs. Jardine, Richmond, pink and white Killarney being the best varieties. One-half of a 150-ft. house is growing Sweet Peas, which he is beginning to cut, and the other half is devoted to Chrysanthemums. There are 10,000 Chrysanthemum plants which are promising a splendid stock. One small house is devoted to Ferns and another to Violets. Altogether, there are 100,000 sq. ft. of glass, making one of the largest establishments in this vicinity.

During the illness of George MacWilliam of Whitinsville the judge of flowers at the Worcester County Hort. Soc. exhibition, Mr. Midgley served.

All florists are making special displays of green goods. Ferns of many species are on sale every day, and pleasing arrangements in Fern dishes, and boxes are being used as wedding gifts.

Asters are about gone, but Dahlias are holding out well. Carnations, Roses, and Lilies are sufficient to fill funeral orders. Violets are beginning to come and some of the florists have more than enough to supply the demand. E. D.

GENERATOR TALK

By Generator Users

WOULD NOT DO WITHOUT GENERATOR AT FIVE TIMES THE COST

I have put in my piping system according to your plans, and the Generator. The Generator is the best thing that the greenhouse man can get for his heating system, and it has given me the greatest value I ever received for the money I spent. I would not do without the Generator at five times the cost.

S. K. GREEN, Paris, Ills.

ONE GENERATOR FOR TWO BOILERS

The No. 6 and No. 8 Kroeschell boilers cross-connected, are heating 30,000 square feet of glass and would take care of 5000 feet more. Will never use any other for hot water heating. We are using your largest Generator on the heating system and would not do without it.

J. N. BOMMERSBACH, Decatur, Ill.

A FUEL SAVER

Enclosed please find check for your special Greenhouse Generator purchased in the Fall. The Generator did good work for us during the recent cold spell; the temperature was equalized in the greenhouses more satisfactorily than before the Generator was used. NIC ZWEIFEL,

North Milwaukee, Wis.

The Generator gave all the results that you claimed for it. We would not want to take it out.

F. HERLEMAN, Marion, Ind.

A GREAT HELP

Your Generator is a great help and a splendid care-taker of our hot water heating system, the pipes becoming extremely hot. It has saved me a lot of coal.

M. GRAF, Elmsford, New York.

EQUAL TO STEAM

Your system of piping, together with your improved greenhouse Generator is an improvement over steam in many ways. We were on the market to buy high pressure steam, but after receiving such reports of your improved hot water system we concluded that your experience was worth something, and we have been delighted at the result, and so glad we put in the Generator Hot Water System, instead of steam.

W. J. MILLER & SON, Pontiac, Ill.

GENERATOR WORKING FINE, TEST IT YOURSELF

I want to say that our Generator is working fine; it is one of the greatest improvements that could be added to a heating system. The heat of our piping is equal to steam, and if anyone don't believe this, let them stop at 124 Franck Ave. and test it and be convinced.

GUS KLEINSTEUBER, Louisville, Ky.

MAKES PIPING HOTTER

We have one of your special greenhouse Generators and find it does the work in a very satisfactory manner. We have noticed that the returns are much hotter than they were with the old gravity system. We intend to install Generators on all our heating systems the coming season.

J. D. COCKCROFT,

Northport, L. I., N. Y.

HEATING SYSTEM NEVER WORKED SO WELL BEFORE

We have just gone through a rough cold spell for California, and the two Kroeschell Generators, No. 6 and No. 14, have done fine work. We are very much pleased with the results of both of them, and would not be without your Generator on any account. In half an hour we can get the pipes very hot to the far end of our last house, which is over 280 feet from the boiler. We have never had our heating system work so well before, and believe it is due to the Generators. G. BUTLER & SON,

Santa Cruz, Calif.

COAL SAVED PAYS FOR GENERATOR

Enclosed find check in payment for the No. 14 Kroeschell Greenhouse Generator. We must say that the Generator does all you claim for it, and we are very much satisfied with same. We only regret that we did not install the Generator sooner, since the Generator paid for itself in the coal saved this season.

A. C. OELSCHIG & SON, Savannah, Ga.

A TEST AT 18 BELOW ZERO

"Having promised you a letter as soon as we had passed through a good fair test, I consider it now as almost timely.

We had the thermometer 18 degrees below and we've just gone through a blizzard had enough for most any season, and am very pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System."

J. E. MATTHEWSON,

Sheboygan, Wis.

GENERATOR A MONEY SAVER

Gentlemen: Boiler perfectly satisfactory and heats up very quickly. We consider the Generator a money saver. Piping was done according to your plans, and satisfactory in every way. Yours truly,

SWAYNE & POWELL,

Kennett Square, Pa.

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CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

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In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
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Will Lift Easy 100 Feet

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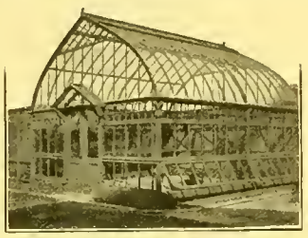

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FOR Greenhouse Glazing
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F. O. PIERCE CO.
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NEW YORK

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Any Style and Size



The best and cheapest.
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A. C. TOOF
Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.

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FOR GOOD SERVICEABLE
SECOND-HAND PIPE
with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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Tel. 2225 Williamsburg 68-70 Troutman St.

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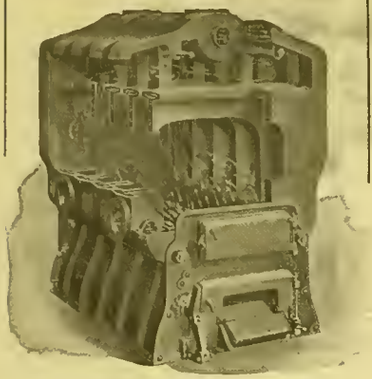

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Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity

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BY USING

Standard Greenhouse Boilers

One cent gets our catalog

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ALL SIZES

16x24 A. & B. Double a Specialty

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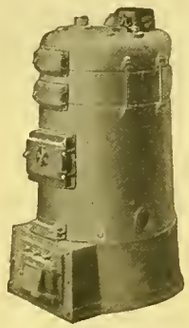
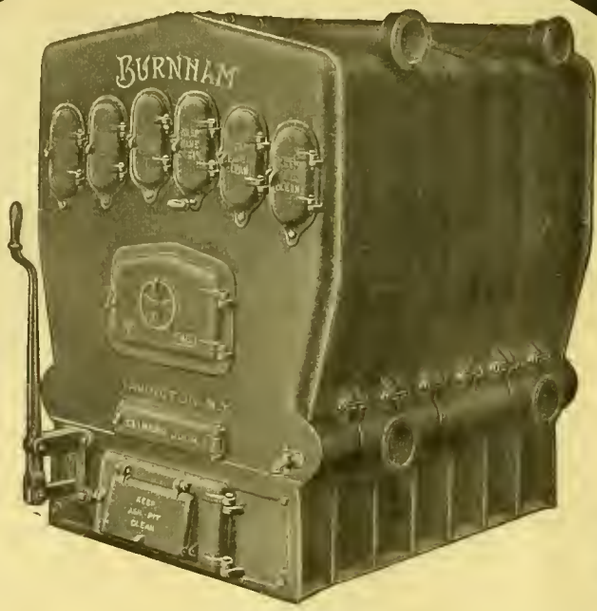


For auxiliary work or in houses where a small water boiler is needed, buy the Burnham Round Sectional. Heats from 250 to 4700 sq. ft. of glass



A low broad boiler it is, with socket connections and made in 27 sizes



The Round Sectional Steamer is made like the water boiler excepting the dome is larger. Heats from 1050 to 7350 sq. ft. of glass.

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MADE ESPECIALLY FOR GREENHOUSE WORK

They are not just boilers—they are *greenhouse boilers*. You wouldn't think of buying a fine bred trotting horse to put on a dray wagon. You buy a dray horse. Then why buy a boiler that was constructed for dwelling house heating and expect it to do the heavy special work of economically heating your greenhouse. It simply can't and won't. The Burnham is the *only* (remember that word only) Cast Iron Sectional Boiler that was constructed from start to finish to do greenhouse work. *That's why* it does the work! We can ship yours tomorrow, if you wire us today.

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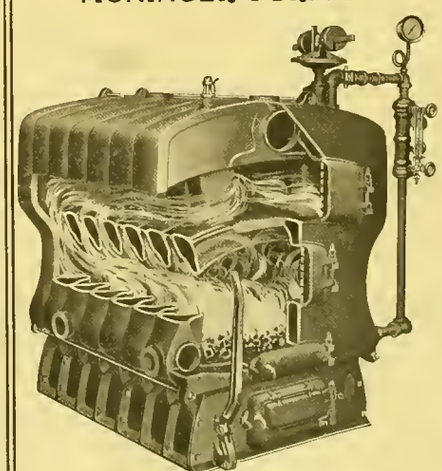

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906 Blackhawk Street

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

A DAHLIA SYMPOSIUM—Illustrated

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 16 NEW YORK AND CHICAGO, OCTOBER 15, 1910 One Dollar Per Year

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Bicolor Victoria, selected double-nosed bulbs	$1.75	$16.00
Emperor and **Empress,** selected, double-nosed bulbs	1.75	15.00
Paper White Grandiflora, 14 c/m bulbs, 1000 to the case	1.25	11.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50
Princeps, selected, double-nosed bulbs	1.25	9.50

TULIPS

	100	1000		100	1000
Keizerskroon	$1.25	$10.50	**Marillo**	$1.25	$10.00
La Reine	1.00	8.00	**Couronne d'Or**	1.75	14.00
Rose Grisdelin	1.00	8.50	**Salvator Rosa**	1.75	14.00
Rose Luisante	1.75	14.50	**Gesnerinna Spathulata**	1.25	9.50

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $5.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅜ to ½ inch and up in diameter, 75c. per 100, $6.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 16 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, $17.50 per case; $45.00 per 1000.
7 to 9 inch, 200 to the case, $18.00 per case; $80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $6.00 per dozen; large specimens, 12-inch pans, $3.00 to $5.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 6-inch pans, $6.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 6-inch pans, $5.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 6-inch pans, $5.00 per dozen.
Nephrolepis Scottii. Good plants, 6-inch pans, $6.00 per dozen.

Complete list of Fall bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants ..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

FICUS PANDURATA

6-inch pots, $1.00 each.

RUBBER PLANTS

6-inch pots, $6.00 per dozen.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

For the next two weeks we make the following special offer on these plants:
4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

5000 PRINCESS OF WALES VIOLET PLANTS

$6.00 per 100, $50.00 per 1000; special rates for large lots.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

Please mention the Exchange when writing.

Hydrangea Otaksa

Have a few hundred plants of the following:

One to two shoots	$6.00 to $10.00 per 100
Three to five shoots	15.00 to 20.00 per 100
Six to eight shoots	25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Azaleas

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.60 per bundle; $27.50 per 1000.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$5.00	$45.00
6x7, 335 to the case	6.50	60.00
7x9, 200 to the case	10.00	90.00

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

GERANIUMS

We have an immense stock ready for shipment, from 3-inch pots, at $3.00 per100, in a good assortment, including such varieties as **Alph. Ricard, S. A. Nutt, Berthe de Presilly, Jean Oberle, Mad. Buchner, Mad. Landry, etc.**

Are booking orders for November delivery from 2-inch pots at $2.00 per 100, $18.50 per 1000.

COLEUS

BRILLIANCY—One of the handsomest of the large leaved varieties, soft red bordered bright yellow, strong 3-inch pots, $1.00 per dozen, $4.00 per 100.

	2 inch Per 100	3 inch Per 100
COLEUS, In Standard Sorts	$2.00	$3.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Giant Double	2.00	
LEMON VERBENAS	2.00	3.00
LANTANAS, Assorted	2.00	3.00

R. VINCENT, JR. & SONS CO.
WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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What Is Very Much Wanted

	100	1000
CALLAS, 1½ to 2 in.	$8.00	
TULIPS, Artus, scarlet	1.00	$9.00
Belle Alliance, bright scarlet.	1.75	16.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white.	1.00	8.50
Keizerskroon, crimson and yellow	1.25	10.50
Rose Grisdelin, rose and white	.95	8.50
Queen Victoria, white	.80	7.50
NARCISSUS, Bicolor Victoria	1.50	12.00
Incomp. Sir Watkin	1.25	10.00
Paper White Grandiflora	1.25	9.00
Trumpet Major	1.00	9.00
Von Sion, extra selected	1.30	12.00
Von Sion, mammoth double nose	2.25	18.50
OXALIS, Bermuda Buttercup	1.00	8.00
LILIUM Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, French, selected	.75	6.50
French, mammoth	1.25	9.00
	Tr. pkt.	Lb.
STOCKS, Beauty of Nice	$0.25	
Princess Alice	.25	
SWEET PEAS, Christmas Pink		$0.75
Christmas White		.75

ENGLISH MUSHROOM SPAWN, fresh.....$7.00 per 100 lbs.
CHRYSANTHEMUM MANURE ..... 3.25 per 25 lbs.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Narcissus Paper White



Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000
FANCY GRADE
1250 to case.....$8.50 per 1000
REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.00 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$65.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

5-7 in.....$40.00 per 1000
6-7 in..... 50.00 per 1000
7-9 in..... 75.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size..	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages
A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

Stumpp & Walter Co.'s Bulb Specials

Why not try a few cases of late dug

HARRISII and FORMOSUM

Harrisii
The True Bermuda Easter Lily

	100	1000
Size 5 x 7, 400 to case	$5.00	$40.00
Size 6 x 7, 335 to case	6.00	50.00
Size 7 x 9, 200 to case	9.00	75.00

Formosum
Extra Fine Stock

	100	1000
Size 7 x 9, 300 to case	$7.50	$65.00
Size 8 x 9, 250 to case	8.50	75.00
Size 9 x 10, 200 to case	9.50	90.00

COLD STORAGE LILIES

Just a few cases of **Speciosums** for January flowering, when they will be in good demand.

Lilium Speciosum Album

11 to 13 in. in circumference (100 to case), $20.00 per 100; 9 to 11 in. in circumference (150 to case), $12.00 per 100.

Lilium Speciosum Rubrum

11 to 13 in. in circumference (80 to case), $15.00 per 100.

Lilium Speciosum Melpomene

11 to 13 in. in circumference (100 to case), $15.00 per 100.

For Prices on Giganteum, Multiflorum, and all other Fall Bulbs, send for Price List.

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25c. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

ROMAN HYACINTHS

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00

TULIPS

	100	1000
Artus, excellent scarlet	$1.10	$9.50
Belle Alliance, large flower, dazzling scarlet	1.90	16.25
Chrysolora, good yellow	.85	7.00
Cottage Maid, white, edged rose	1.00	8.00
Duchesse de Parma, red, yellow border	1.15	10.00
Keizerskroon, red and yellow	1.50	12.00
La Reine, pure white	1.00	7.00
Murillo, delicate light rose	1.25	12.00
Rose Grisdelin, soft rose, good forcer	1.00	9.00
White Hawk, very early forcer	1.75	16.00
Yellow Prince, large yellow	1.00	7.50

NARCISSUS (Mother Bulbs Only)

	100	1000
Empress, Mother bulbs	$1.75	$15.00
Emperor, Mother bulbs	1.75	15.00
Golden Spur, Mother bulbs	2.25	19.00
Victoria, Mother bulbs	1.75	15.00

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

HIGH-GRADE BULBS

Dutch Hyacinths, Tulips, Crocus, Narcissi, Peonies, Lily of the Valley

PURE CULTURE and ENGLISH MUSHROOM SPAWN

Write for our wholesale bulb list.

JOHNSON SEED CO., 217 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

	12	100	1000
Thick petaled, extra size bulbs, 22-24 in.	$0.60	$4.25	$40.00

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

PRIMULA KEWENSIS

Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose. finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Primula Kewensis. the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria. large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum. Finest Giants Mixed, 200 seeds $1.00; ½ packet 60c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

French Campernelle Jonquils

EXTRA SIZE FOR FORCING

$4.00 per 1000, $15.00 per case of 4000.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

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We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O Box 1697 N. Y.

Novelties in Flower Seeds for 1911

Descriptive List Free on Application.

FREDRICK ROEMER
Seed Grower, QUEDLINBURG, GERMANY

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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Tree Seed For Sale

Camphor, Holly, Magnolia Grandiflora, Juniperus Barbadensis, Sabal Palmetto, Blue or Porcupine Palmetto. Price $1.00 per pound. Cash. Special prices on large lots.

T. K. GODBEY, Waldo, Florida

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THE AMERICAN CARNATION By C. W. Ward

Price $3.50 Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

$ Need Money, Need Room $ For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.
NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.
ROMAN HYACINTHS, 12-16 ctms., $23.00 per 1000.
LILIUM Harrisii, 7-9 inch, $8.00 per 100.
Special low prices on DUTCH BULBS, BOXWOOD, BAY TREES, etc.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

ARE YOU LOOKING

For **Lilium Giganteum** and **Multiflorums; Lilium Auratum, Album, Rubrum** and **Melpomene;** also **Valley?** We can supply the above, in the VERY BEST GRADES OBTAINABLE, at short notice.

WE HAVE THE STOCK.

Prices given on application.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Oct. 3.—Hussa & Co., 16 cases plants; Lunham & Moore, 11 cases plants; P. Henderson & Co., 15 cases plants; McHutchison & Co., 133 cases plants, 12 tubs Laurel trees; Perry, Ryer & Co., 32 cases plants; C. C. Trepel, 15 cases plants; Smith & Bobnesslnue, 9 cases plants; Vaughan's Seed Store, 51 cases plants; P. C. Kuyper & Co., 24 cases plants; W. Larzelere & Co., 32 cases plants; W. Hageman & Co., 87 cases plants; W. N. Proctor & Co., 10 cases plants; Stumpp & Walter Co., 22 cases plants; H. F. Darrow, 50 cases plants; O. G. Hempstead & Son, 10 cases plants; Maltus & Ware, 389 cases plants, 12 tubs Laurel trees; J. W. Hampton, Jr. & Co., 138 cases plants; C. B. Richard & Co., 1 case plants; F. B. Vandegrift & Co., 9 cases plants; G. W. Sheldon & Co., 7 cases plants. Oct. 4.—W. Elliott & Sons, 21 cases bulbs, 3 pkgs. bulbs; MacNiff Horticultural Co., 14 cases bulbs; Amermann & Patterson, 17 cases shrubs and trees; A. Gips, 14 cases flowers and plants; J. P. Roosa, 8 cases shrubs; C. C. Abel & Co., 48 cases bulbs; R. M. Ward & Co., 3 cases bulbs; Lunham & Moore, 17 pkgs. trees; F. B. Vandegrift & Co., 3 cases bulbs; J. W. Hampton, Jr. & Co., 3 cases bulbs; Maltus & Ware, 37 cases bulbs, 11 cases plants and bulbs 57 cases trees, 4 cases flower roots, 36 cases roots. Oct. 5.—R. R. Penna & Co., 30 bags grass seed; C. A. Faynes & Co., 4 cases plants; J. W. Hampton, Jr. & Co., 11 tubs plants; Knauth, Nachod & Kuhne, 18 cases plants. Oct. 10.—J. M. Thorburn & Co., 35 bags garden seed; 3 bags grass seed; H. Nungesser & Co., 100 bags grass seed; W. H. Simerworth & Co., 32 cases bulbs; Vaughan's Seed Store, 6 cases bulbs; C. C. Abel & Co., 24 cases bulbs; Tice & Lynch, 2 cases bulbs; P. Henderson & Co., 3 cases bulbs; A. Schultheis, 10 cases plants; J. Roehrs Co., 19 cases plants; Lunham & Moore, 12 cases trees; Stumpp & Walter Co., 3 cases bulbs; H. H. Berger & Co., 3 cases bulbs; C. A. Haynes & Co., 19 cases bulbs; F. A. Havemeyer, 4 cases bulbs; Maltus & Ware, 48 cases bulbs, 177 cases shrubs and trees; C. B Richard & Co., 1089 pkgs. trees and plants; W. Elliott & Sons, 20 cases bulbs; Davis Turner & Co., 1 case bulbs; F. B. Vandegrift & Co., 2 cases bulbs, 1 case shrubs and trees.

American Notes

Bulb Business Improves

Through every section of the country the advent of considerably cooler weather has added zest to the retail counter bulb sales, and what is still more pleasing are the reports that bulb stocks in no direction show large surpluses. In

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marienthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococu, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Paney Seed see The Floriste' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

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Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Heneoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

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Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, Improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

STOKES' STANDARD CYCLAMEN SEED

Stokes' Giant Pure White
Stokes' Giant Crimson
Stokes' Giant Rose
Stokes' Giant White Red Eye
Stokes' Giant Papilio or Butterfly
Stokes' Giant Rococo Mixed

Price of above: per 100 Seeds 65c; per 1000 $5.00.

PAPER WHITE NARCISSUS

Fancy grade—1250 to a case. Per 1000, $8.25. 5000 lots, at $8.00.

FRENCH ROMAN HYACINTHS

White (12 to 15 ctm.) Per 1000, $24.00.

TULIPS, HYACINTHS, NARCISSUS

LET ME KNOW YOUR WANTS

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, GIANT STRAIN

Brilliant. Deep crimson, extra.
Excelsior. White, claret base.
Grandiflora alba. Giant pure white.
Mauve Queen. Mauve.
Mont Blanc. White.
Picturatum. Giant light rose, claret base.
Prince of Wales. Giant bright red.
Rosy Morn. Delicate rose, tinted claret base.
Giant Salmon King. Extra large, beautiful salmon pink.
Sunray. Pink, claret base.
Finest Mixed, all colors.

The above varieties, 100 seeds, **$1.00**; 1000 seeds, **$8.00.**

FOTTLER, FISKE, RAWSON CO. FANEUIL HALL SQUARE, also 26 SOUTH MARKET STREET **Boston, Mass.**

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. **50** cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., **50** cents.

PANSY

Beckert's Superb Mixture. Ounce, **$4.50.**

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

GROW

MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2 Duane Street NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY

Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.

LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.

Also, **LILIUM HARRISII,** all sizes, send for prices per 1000.

Cold Storage Lily of the Valley Pips, best German grown, a few left over at $10.00 per case of 1000, in case lots only.

J. M. Thorburn & Co., Seedsmen **33 Barclay St., N.Y.**

Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.

2-8 Duane Street, New York

F. E.—Best Advertising Medium

fact, almost everything is selling down quite evenly, although quite a few radical shortages are developing, particularly in the better class of named Hyacinths and also in several lines of named Tulips; but there are always some shortages to be expected. While, in many sections of the country, we have not as yet had frosts severe enough to injure bedding plant stock to any degree, still such a condition cannot be far away and there is no question but that the sudden bulb sale rushes which will result the moment we do have hard freezing, will be most satisfactory to every dealer and seedsman who handles French and Dutch bulbs.

There is very little to be said of other lines, except that all seasonable goods with the seedsmen are in unusually good demand this Autumn and sales are satisfactory.

Catalog Prices for 1911

It is not going to be, by any means, an easy matter to arrange prices either at wholesale or retail for the general line of seeds, both flower and vegetable, for the coming season of 1911. For example, take the Garden Pea question; we have thought for three or four years past that we have had short crops to contend with and such has been the fact, but during the past few years the shortages have been little as compared with the present depleted stocks. For instance, take the Gradus Pea, which has been sold at retail, for some years, at from 40c. to 60c. per quart; most certainly the price for 1911 will be from 60c. to 75c. per quart, and many well-posted seedsmen already feel that $1 per quart for Gradus Peas will not be an excessive retail price considering present conditions. At wholesale, Gradus Peas are today worth at least $13 to $14 per bushel—if they can be obtained even at that price. The writer has selected this example to point out, as forcibly as possible, to every catalog maker, the hard time that is ahead in the making of seed prices for 1911. It is no use to try to dodge this issue, and too much serious consideration cannot be given to the subject.

Nursery Stock

No seedsman should lay out the plans for his 1911 catalog without seriously considering the matter of a department for nursery stock, as never in the history of this country has nursery stock of all kinds been in such strong demand and at such good prices for the best qualities. Large as are the quantities of desirable nursery stock in this country at the present time, the same is very little compared with the demand which is just ahead of us this Autumn, and the demand which will surely develop the moment the Spring opens for the season of 1911. The writer cannot too strongly urge seedsmen and dealers in horticultural goods to add to their catalogs or price lists, as the case may be, a line of desirable ornamental trees and hardy shrubs, as well as some herbaceous plants, perhaps, so that he may fill completely the orders his customers will surely send him. This branch of the business is very lucrative for the trouble and care it takes, as the small dealer can easily make arrangements with his nearest nurseryman whereby orders in this direction can be filled as taken by the nurseryman, who will allow a substantial commission on the same. There is no loss whatever to the seedsman, as he has no stock to carry.

Bulb Qualities

A few weeks since, the writer in this column called the attention of the American seed trade to the fact that during the last few years our Holland friends seemed to have realized substantially the fact that here in America we need and can use good quality bulbs, and during the past few seasons a better grade of Holland bulbs has been received in America than ever before. Of course, it is understood that the best quality of bulbs cannot be expected to be received from Holland without a larger price being paid, but it is not many years ago since our Holland friends felt that anything was good enough for America, and it is very pleasing to note that this condition of affairs has passed and we are now receiving in this country bulbs we need not be ashamed to offer our customers. There is another side to this question. The better the quality of bulb stock we receive from Holland, the more the Fall Holland bulb trade will increase, and it will increase to such splendid proportions that our Dutch correspondents will be well repaid for looking sharply to what they send to America in the line of bulbs in the future. This matter has been mentioned several times in this column and it is of the greatest importance that every seedsman and dealer should insist on a good quality of bulb stocks, and when it comes

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.
PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 200.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $6.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

PRINCESS OF WALES

Violet Plants

Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

Asparagus Plumosus Nanus

2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES

29 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

Marie Louise Violet Plants

Strong, healthy **MARIE LOUISE VIOLET** plants; $2.50 per 100, $20.00 per 1000. Satisfaction guaranteed.

C. F. BAHRET, Poughkeepsie, N. Y.

Please mention the Exchange when writing.

TEN THOUSAND

Violet Plants

Healthy, Field-Grown Plants LA FRANCE, $5.00 per 100, $45.00 per 1000. Also 2000 PAEQUHAR, $5.00 per 100, $45.00 per 1000 or $80.00 for the 2000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK

Florist and Nurseryman, HIGHTSTOWN, N. J.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $45.00 per 1000.

Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAINS N. Y.

Please mention the Exchange when writing.

VIOLET PLANTS

Field-Grown Clumps of Gov. Herrick at $6.00 per 100; $50.00 per 1000. Splendid stock in every way.

CHARLES H. TOTTY, MADISON, N. J.

Please mention the Exchange when writing.

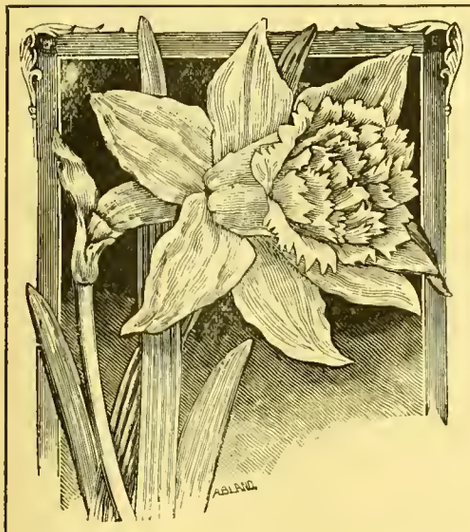
VIOLETS—VIOLETS

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.



Double Narcissus "Von Sion"

SINGLE NOSED BULBS EXTRA SELECTED SIZE

When You See Our Bulbs You Will at Once Proclaim

Michell's "Distinctive" Quality

Only Such Bulbs Produce the Best Results

"Quality" is forever limited and if you do not want to be disappointed you must order promptly

Per 100 $1.35 Per 1000 $12.00 Per 5000 $55.00

Let us quote you on all other bulbs; we have them; catalogue free

HENRY F. MICHELL CO. 518 Market Street, Philadelphia

Please mention the Exchange when writing.

to price the advance is very little over ordinary goods. There is nothing like a satisfied customer and you cannot satisfy any customer with cheap bulbs, it is absolutely impossible.

Seedsmen's Advertising

As it is now time for seedsmen who do a general wholesale and retail business, and especially those who do a mail business, to place their advertising for the season of 1911, if they have not already done so, a few words calling attention to this matter cannot be amiss. Every seedsman should have a series of records which help him from year to year to select those mediums which are best adapted to his line of trade—and there are no two seedsmen who do exactly the same kind of trade—and with such data before him, he should at least be able to advance upon what was done last season. Advertising is of course a momentous question, but every seedsman agrees that more or less advertising must be done to hold, if not to increase his business. Good mediums only should be selected and particularly those which are adapted to particular needs. V.

New York Seed Trade

The somewhat cooler weather has greatly encouraged bulb sales, especially at retail, and counter business this week has shown more activity than at any time this season; and the moment the frost materializes a great rush is looked for. Bulb stocks are reducing rapidly and there will be little left, from present indications, at the end of the season.

Henry Nungesser & Co. report a most excellent Autumn for Grass seeds and Clovers. By the S. S. Noordam this house received last week 200 sacks of assorted Grass seeds, and again this week 100 bags from Rotterdam by the S. S. Rotterdam, and 200 bags from Liverpool by the S. S. Cedric. The firm feels that even at the advance prices for Grass seeds right through the list the demand for the same this Autumn and Spring of 1911 will be an increasing one.

George H. Dicks, representing Cooper, Taber & Co., of London, Eng., has been making his last visits this season to the trade here in New York in the past few days. Mr. Dicks sailed for home on Wednesday last by the Mauretania. On his present trip he has been in this country since Aug. 11, traveling continually among the larger seedsmen, and is very much pleased and encouraged by the universal feeling expressed on every hand of the large, general seed business that is destined to be accomplished, in the Spring of 1911, notwithstanding the shortages of seed in almost every line.

The Yokohama Nursery Co. is this week receiving large invoices of Lilium giganteum, and the bulbs are in splendid condition. This firm expects its first arrivals of Lilium auratum and speciosums in about two or three weeks.

Vaughan's Seed Store reports a very much increased demand for bulbs; especially have the retail counter sales become very brisk. This house reports no especial surpluses in any direction but, on the other hand, speaks of quite a few shortages in the bulb line.

J. M. Thorburn & Co. also report counter bulb business very satisfactory.

The Stumpp & Walter Co. deserves special mention for the attractive manner in which it has arranged the Dutch bulbs, not only in the show windows but in the store as well; the various bulbs of Hyacinths, Tulips, etc., are neatly arranged in baskets, with each variety plainly marked, the large card used for the prices showing also the special variety in natural colors, a most attractive and order-bringing arrangement.

Wm. Elliott & Sons have been having a most attractive display of cut blooms of the better varieties of Dahlias in the Fancy, Show and Cactus classes. In connection therewith they have been taking many orders for the roots for this Fall and next Spring delivery. They have also, this week, had on exhibition some very choice specimens of Elliott's Prize-taker Onions. Such arrangements take considerable time and care but well repay in good advertising.

Peter Henderson & Co. have, in the front center of their store, a most attractive harvest pyramid of Squashes, topped with forage plants. Almost every desirable sort of Squash is displayed, and among the forage plants, which are shown to great advantage, were noted Johnson Grass, the Dourra, Kaffir Corn, Hungarian and German Millet.

At Boddington's, the bulb business is very active. So great has been the call for retail bulb catalogs that Mr. Boddington has been obliged to publish a second edition of his Fall list, which will be ready for distribution within a very few days.

It is persistently rumored in the trade that Gradus Peas will sell somewhere between 75c. and $1 per quart for 1911.

Regarding the wholesale price of Garden Peas, many of the larger houses who, as a rule, can supply almost any needs in reason, are refusing to quote prices, so short is the crop in many directions.

Burnett Bros. find their retail counter sales of bulbs still on the increase and report they will have little left in this line when the season ends. Bulbs, with them, have sold in the most satisfactory manner this season.

W. C. Langbridge, representing Jerome B. Rice Seed Co. of Cambridge, N. Y., was among our recent visitors.

Philadelphia Seed Trade

Nearly all the seedsmen are putting in some time revising catalogs, making ready for the 1911 issue. This is an age of progress and if seedsmen would keep up with the procession they must offer something better in the catalog line than ever before. To an enthusiastic horticulturist a well-arranged and freely illustrated seed catalog is always very interesting literature. It is simply wonderful how the seedsmen all keep so smiling and cheerful, when reports of seed crop shortages keep coming in, such as one might suppose would make them shiver with the apprehension of a short supply in many lines of seeds.

Store exhibits of vegetables, grains and flowers are going on at the several seed stores, and they never fail to draw a crowd. These exhibits are educative, and do much good, and are also a good advertisement.

The Johnson Seed Co. has an immense heap of prize Pumpkins, ranging in weight from 25 to 150 lbs., piled up against their store front, before which groups of passers continually gather. William J. Sherry, who attended the fair at Mt. Holly, N. J., speaks of it as a success. The attendance on Oct. 6, was 30,000. A special award for a display of Cyphers incubators, and also for an exhibition of bulbs was given to the Johnson Seed Co. Miss Mary Ramage, who is cashier of this company, and also in charge of the flower seed department, has just returned from a vacation of two weeks spent at Baltimore. This company is now making very heavy sales of Johnson's famous Storm King waterproof Celery paper, used for covering Celery when trenched out of doors.

The window display at Michell's, 518 Market st. store looks even prettier this week than two weeks ago. The lawn therein is green as ever, with grass from Michell's Evergreen Grass seed, of course, and the Tulips as well as the Hyacinths are now in bloom. No matter if the flowers are artificial, they suggest that you can buy bulbs within the store which will produce even prettier and surely sweeter blooms. This window decoration is the work of Norman B. Mattson, and shows much taste and skill in its planning and execution. Recent callers at the 1018 Market st. store of the Henry F. Michell Co. were James Walsh of Boston, Mass., formerly superintendent of the Boston Flower Market, Mr. Henry, of Henry & Lee, New York City; W. C. Langbridge, of the Jerome B. Rice Co., Cambridge, N. Y.; and H. L. Holmes, of Harrisburg, Pa. Maurice Fuld, now with the Michells, reports that their bulbs have moved so fast that in some varieties they have nearly reached the bottom already. Mr. Fuld is very busy with the 1911 catalog. All hands here, as far as possible, are engaged in the moving from the 1018 Market st. store to the splendid new store at 518 Market st., which was acquired and opened some eighteen months ago. It shows great business judgment on the part of the Michells to allow all old customers to become acquainted with their new home at 518 Market st., where they expect to become completely installed by Nov. 1, before they gave up their old quarters at 1018 Market st.

Monday was the opening day of an exceedingly attractive and instructive store exhibit of vegetables, grains, flowers and plants at the Stokes Seed Store, 219 Market st. George H. Atkinson, Mr. Stokes' manager, was in charge of the exhibit. The display of Squash, Pumpkins and Melons was one of the prominent features; the number was very large and the size of many simply immense, and there was a great variety. Many of these Squash and Pumpkins weighed over one hundred pounds each, and one Mammoth Chili Squash tipped the scales at 165 pounds. The display of Watermelons also was large and some were of giant size, among which were Bradford, Dark Icing, Light Icing and Gray Monarch. Many kinds of field Corn on the stalk were shown, some stalks reaching the height of 18 ft. with an ear of Corn 8 ft. from the ground. Sheaves of Rye, Wheat and Oats also were shown, and some yellow and red Globe Onions. The exhibit was lighted up, and given a touch of beauty by a display of nearly one hundred varieties of Dahlia blooms, many Ferns, etc.

The store window at Henry A. Dreer's is made beautiful this week by more than fifty new varieties of Rose blooms, which will be catalogued for 1911 sales. These blooms were from outdoor plants in the open field, and many were of great beauty, among which may be mentioned Marquis de Sinety, a large lemon yellow, touched with carmine; Albert N. Calamet, a large blush pink; Chateau de Clos Vougeot, a very double deep crimson; and Orleans, a bright crimson Baby Rambler.

Among the recent callers upon the Moore Seed Co., 339 Market st., were Alfred Emerich, representing Vilmorin Andrieux Co., Paris, France, and James J. Comont, representing James Carter, Dunnett & Beale, London, England, who is making his 28th annual visit to Philadelphia, and says that he finds much improvement every visit. A report to the Moore Seed Co. from one of the large growers of Cabbage seeds in the Puget Sound region shows that there are five failures of standard varieties, and of the rest of fourteen varieties only one will give a 100 per cent. delivery, and the others will give from a 5 per cent. to a 60 per cent. delivery.

Milwaukee

There has been a recent change in the officers of Currie Bros. Co., of this city, James Currie and William Currie, the founders of the firm of Currie Bros., having purchased the stock of Adam Currie formerly secretary of the company. The present officers are as follows: James Currie, president; William Currie, vice-president; William B. Currie, secretary; Roy J. Currie, treasurer. Allister J. Currie, son of Adam Currie, and formerly the traveling salesman of Currie Bros. Co., retires with his father from participation in the business. CURRIE BROS. CO.

Adam Currie, who for thirty-one years has been secretary and manager of the seed business of Currie Bros., Milwaukee, has severed his connection with the old firm to establish a new one, under the name of A. Currie & Co. The new firm consists of Adam Currie and his sons, Allister and Herbert. They will conduct a general seed and flower business, together with all lines in connection with this business. Allister Currie was in the employ of Currie Bros. for six years as their traveling representative. Adam Currie was originally from Scotland, and

Surplus Stock of French Bulbs

WHITE ROMAN HYACINTHS, 13 to 15 centimeters
WHITE ROMAN HYACINTHS, 15 centimeters and up
LILIUM CANDIDUM, Mammoth Bulbs, French-Grown

Call and inspect our stock of **DUTCH BULBS** before placing your order. Illustrated Bulb Catalogue on application.

BURNETT BROTHERS, 72 Cortlandt Street NEW YORK CITY
SEEDSMEN
TELLPHONE, 2223 CORTLANDT

Please mention the Exchange when writing.

CALLA ELLIOTTIANA

The Golden-Yellow Calla

READY FOR IMMEDIATE DELIVERY

Mammoth Bulbs, $20.00 per 100, $175.00 per 1000. **First Size Bulbs,** $15.00 per 100, $125.00 per 1000.

WATSONIA ENDERSII

Mammoth Bulbs, $5.00 per 100, $40.00 per 1000.

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California
NURSERIES, SAN MATEO, CALIFORNIA
SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

P. Vos Ms Gladiolus Pink Beauty

A new, very early, forcing variety. Color, a lovely Peach shade of Pink. In flower three weeks before any other variety.

$40.00 per 1000

C. J. SPEELMAN & SONS, Sassenheim, Holland

P. S. Two First-Class Certificates at Edinburgh
Two Awards of Merit at Haarlem and Amsterdam.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI AND OTHER BULBS

JOHN LEWIS CHILDS FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARM
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Dahlias and Cannas

I am overstocked on many standard varieties of **Dahlias** and **Cannas.** Florists and dealers, please send for List of Sorts. My prices are right.

DeWITT HOUSE, Florence, S. C.

Please mention the Exchange when writing.

DRACAENA INDIVISA

We can give extra value in these if sold this month.

	100	1000
2 inch	$2.00	$16.00
2½ inch	2.50	22.00
4 inch	10.00	

ASPARAGUS SPRENGERI, 2½ inch, $2.50 per 100; 3 inch, $4.00 per 100.

CYCLAMEN, fine plants in 4-inch pots, $15.00 per 100.

FERNS: Scholzeli, Boston and **Whitmani,** fine stock in 4-inch pots, 25c. each.

WETTLIN FLORAL CO.
HORNELL, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Field-grown, 25-30 inches high, fine stuff, $25.00 per 100.

100 CYPERUS Alternifolius, 3½ inch pots, $5.00 per 100.

STEVIA Compacta, field-grown, large plants, $5.00 per 100.

Cash with order.

JOHN WHITE, Elizabeth, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.
REX BEGONIAS, 2-in., $4.00.
COLEUS, 2-in., $1.00.
SCOTTII FERNS, 3-in., $5.00.
GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.
VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 5c.; 5-in., 10c.
HELIOTROPE, 2-in., $1.50.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.

MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.

PRICES
Per 100 lbs....$6.50
Per 1000 lbs...60.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks, $1.80; per 25 Bricks, $3.50; per 50 Bricks, $6.60.

Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut St. PHILADELPHIA, PA.

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark **American Spawn Co., St. Paul, Minn**

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with Order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants

In Mixed and Separate Colors, $2.50 per 1000, $10.00 per 5000 lot. Fine, Stocky Plants. Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also **five separate colors** $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.



DAHLIAS

Whole Field Clumps

Versus

Divided Roots

The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock, cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

My stock this year is much larger than my storage facilities, and to accommodate one to the other, I will make some very attractive prices for delivery from the field on the following varieties:

APPLE BLOSSOM—Single.
CATHERINE DUER—Decorative.
CARDINAL—Single.
F. L. BASSETT—Decorative.
H. W. SILLEM—Cactus.
JACK ROSE—Decorative.
LYNDHURST—Decorative.
MAY LOMAS—Decorative
MISS DODD—Show
MRS. CHAS. TURNER—Cactus.
MAID OF KENT—Fancy.
NYMPHAEA—Decorative.
PERLE D'OR—Decorative.
ROSE PINK CENTURY—Single.
REBECCA MAYHEW—Single.
TWENTIETH CENTURY—Single.

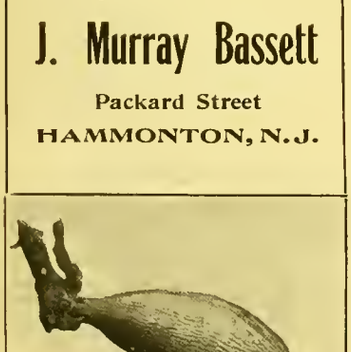
These are all good cut flower sorts, and are guaranteed true to name. These and many other sorts in smaller supply, all good varieties.

I also have several New Unnamed Seedlings of merit on which I will quote price for the entire stock of each variety. You will be repaid by a visit to my farm when you can see them in all their glory.

J. Murray Bassett

Packard Street

HAMMONTON, N.J.



Please mention the Exchange when writing.

when a young man entered the seed business at London, Eng., where he remained for two years prior to coming to Milwaukee. The new place of business will be at 130 Wisconsin st.

RICHMOND, VA.—Important changes in the rules regulating the sale of agricultural seeds under the new law were made on Oct. 5 by the State Board of Agriculture. Since the law went into effect on Sept. 17, the Department of Agriculture has been working under the rules adopted by a committee of the State board. Under the terms of the new law requiring the inspection of seeds offered for sale in this State, it was required that a certain standard be conformed to. Those seeds which had not more than the minimum of adulteration are entitled to be labeled "standard." It is found, however, that some dealers have been working off other seeds without putting the percentage of adulteration on them. They have adopted the practice of printing at the bottom of the label the statement that the seeds are not guaranteed, and that the purchaser must take his chances as to the contents. The State Board of Agriculture would not stand for this condition. It has therefore been decreed that nothing shall be printed on the labels save such matter as is authorized and required by the regulations of the board. This means that the nature of the adulteration and its percentage must be plainly printed on all labels, except as to "standard" seeds.

A Nebraska Seed Crop Report

Mr. Wm. Emerson, manager of the Western Seed and Irrigation Co. of Fremont, Neb., forwards the following details as to seed crop outlook with them:

The writer has completed the crop inspection of our vine seeds to a sufficient extent to advise that most of our Sweet and Field Corn crops indicate fair returns, and we believe the quality will be good although some varieties will be short, more especially the late kinds. Cucumbers, with a very few exceptions of the shy seeding varieties, indicate good yields and full deliveries.

Muskmelon is generally short with the exception of the Rocky Ford, Netted Gem, Burrell's Gem, Ferry's Defender, Osage Gem, Netted Rock, and a very few of the larger varieties; the other varieties range from very small deliveries to total failures.

Watermelon, fair crops and yields, ranging from 50 to 100 per cent., with a few exceptions which will be total failures.

Pumpkin, Large Cheese, Small Sugar, Conn. Field, and Kentucky Field, probably full deliveries; other ordinary varieties, 25 to 50 per cent. deliveries. Mammoth Potiron, King of the Mammoths, and a few other varieties, nearly failures.

Summer Squash, nearly full deliveries with the exception of Early Summer Crookneck, Mammoth Summer Crookneck, and Bush Fordhook, which will be very short. Winter Squash, very late and prospects poor. Marrows and Golden Hubbard about 50 per cent. delivery. Improved Hubbard, Chicago Warty Hubbard, American Turban, Low's and Warren's Essex Hybrid, Burpee's Early Fordhook, Henderson's Delicata, Perfect Gem, Delicious, Mammoth Chili and Mammoth Whale very short.

Gourds, with the exception of the Nest Egg, very short or nearly total failures.

The above will apply more particularly to our own crops. We understand other growers are receiving poor reports from a number of their crops. We find the crops we have grown under irrigation this past season will give us the best results and, fortunately, had under irrigation a fair acreage of nearly all varieties of Cucumber and the varieties of Muskmelon we expect to fill in full, otherwise would have been unable to make good deliveries on these varieties.

The Most Widely Known Seedsman

We have been taken to task for proclaiming, in a recent issue, that Mr. S. B. Dicks of London was "the most widely known seedsman in the world." Our correspondent writes: "What is fame? I never heard of Dicks as a seedsman! Where is Landreth, Vilmorin, Haage & Schmidt, Henderson, Sutton and lots of others?"

The writer of the above, though not a seedsman, is himself a well-known personage in the trade. Thinking that others might look at our qualification in the same light as our correspondent, however, we ask them to change same to read "the *seedsman most widely acquainted with seedsmen* in the world."

Scores of seedsmen are undoubtedly better known to the public than is the gentleman referred to, but The Florists' Exchange is not a public paper. Through the fact of Mr. Dicks' long connection with the seed trade and his continuous travels—he has practically covered the greater part of the world and is always on the move—he has, in all probability, met more seedsmen than has any other one man in the trade.

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** fo Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

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Please mention the Exchange when writing.

Single Hyacinths

Bedding Bulbs, Mixed Varieties, Separate Colors.
Fine Stock, at $14.00 per 1000.

Pink, Red, White, Purple and Blue.

WRITE OR WIRE ORDERS

JACKSON & PERKINS CO., NEWARK, NEW YORK

Wholesale Only

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Please mention the Exchange when writing.

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Gigantea	3.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Pansy World's Fair Strain, Giant Flowers, fine, stocky, field-grown plants, $3.00 per 1000.

Ferns Pot-grown, Boston, Piersoni, Whitmani and Amerpohli, 2½-in. $4.00 per 100; from 4-inch $15.00 per 100 Cash or to exchange for Cineraria, Primula Chinensis Obconica and Carnations, true to name.

SHELLROAD GREENHOUSES. **Grange, Baltimore, Md.**

Please mention the Exchange when writing.

2000 Marguerite DAISY PLANTS 2½-inch pots **$3.00** per 100

PAUL FISCHER, Wood-Ridge, N. J.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and **Sprengeri,** 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size,	$8.00, $20.00 and $25.00
VINCA Variegata, 8 to 12 vines	5.00
SHASTA DAISIES fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
PRIMULA Obconica and Kewensis, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Gattata, 4 in.	5.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00
45 large field clumps **DAHLIA Jack Rose,** lot for	$8.00.
ABUTILON Savitzii, R. C., by mail	1.50

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Rhinebeck, N. Y.

James H. Snyder is one of the well-known growers who always has Violets if the weather permits. He claims that this stock is not growing very rapidly at present, and is not ready to ship many flowers as yet. Mr. Snyder contends that while some growers are sending them out now the blooms will not stand up as they should, and this fact hurts sales later on; he says that the growers might better wait and send in good stock and that so doing would much help the trade, as Violets would then be in greater demand.

L. H. S.

THE MACNIFF HORTICULTURAL CO.

62 VESEY STREET, NEW YORK CITY

Will Sell at Auction



Every Tuesday and Friday, at 11 A. M. Sharp, throughout the Autumn Season

Large assortments of **PALMS, FERNS (Boston, Whitmani, etc.), FOLIAGE PLANTS, ASSORTED CONIFERS, BULBS, Etc.**

Also **CALIFORNIA PRIVET** from the best local growers.

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SHIPMENTS OF JAPAN LILY BULBS TO AMERICA

The following is a list of shipments of Japan Lily Bulbs taken from statistics in Japan and pertaining to shipments to America only, for the year so far of 1910.

Shipper	Steamer	Date of departure	Destination	Marks	Number of cases
Yokohama Nurs. Co.	Kamakura Maru	June 22	to Chicago	F in flag	101
Yokohama Nurs. Co.	Kamakura Maru	June 22	to Chicago	F in flag	153
Yokohama Nurs. Co.	Kamakura Maru	June 22	to New York	F in flag	61
Yokohama Nurs. Co.	Bellerophon	June 26	to Chicago	Heart shape	165
Yokohama Nurs. Co.	Bellerophon	June 26	to Chicago	Parallelogram	1
Yokohama Nurs. Co.	Asia	June 28	to San Frans.	D in diamond	36
Yokohama Nurs. Co.	Asia	June 28	to San Frans.	M in diamond	67
Yokohama Nurs. Co.	Asia	June 28	to San Frans.	MM in diamond	17
Yokohama Nurs. Co.	Asia	June 28	to San Frans.	W in diamond	19
Yokohama Nurs. Co.	Asia	June 28	to San Frans.	CL in diamond	2
L. Boehmer & Co.	Asia	June 28	to Denver	Shield	11
R. Tanoi	Suveric	July 3	to New York	H in triangle	200
L. Boehmer & Co.	Suveric	July 3	to Toronto	Shield	29
L. Boehmer & Co.	Suveric	July 3	to New York	Shield	353
L. Boehmer & Co.	Suveric	July 3	to Chicago	Shield	190
L. Boehmer & Co.	Suveric	July 3	to New York	Crescent	50
R. Tanoi	Empress of China	July 4	to New York	H in triangle	87
R. Tanoi	Empress of China	July 4	to New York	Shield	260
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	HB in diamond	40
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	S&I in keystone	42
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	F in flag	254
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	OVZ in diamond	75
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	YNC in diamond	2
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	YNC in dia. (Seed)	3
Yokohama Nurs. Co.	Awa Maru	July 6	to Chicago	AC in diamond	73
Yokohama Nurs. Co.	Awa Maru	July 6	to Victoria	FEG in diamond	7
Yokohama Nurs. Co.	Awa Maru	July 6	to Victoria	WB in diamond	2
Seitaro Arai	Awa Maru	July 6	to New York	OVZ in diamond	16
Seitaro Arai	Awa Maru	July 6	to New York	MH in triangle	39
Seitaro Arai	Awa Maru	July 6	to New York	S&I in keystone	40
Seitaro Arai	Awa Maru	July 6	to New York	W in horseshoe	600
Seitaro Arai	Awa Maru	July 6	to New York	F in diamond	11
L. Boehmer & Co.	Awa Maru	July 6	to Portland	Shield	30
Yokohama Nurs. Co.	Awa Maru	July 6	to New York	A in diamond	118
Yokohama Nurs. Co.	Awa Maru	July 6	to Chicago	F in flag	119
Samuel Samuels Co.	Panama Maru	July 11	to New York	VSS in paral'gram	152
Samuel Samuels Co.	Panama Maru	July 11	to Toronto	VSS in paral'gram	3
Samuel Samuels Co.	Panama Maru	July 11	to Chicago	VSS in paral'gram	357
L. Boehmer & Co.	Panama Maru	July 11	to New York	Shield	375
L. Boehmer & Co.	Panama Maru	July 11	to New York	MCS in diamond	1
L. Boehmer & Co.	Panama Maru	July 11	to New York	Crescent	28
L. Boehmer & Co.	Panama Maru	July 11	to Chicago	Crescent	19
Yokohama Nurs. Co.	Kumeric	July 19	to New York	F in diamond	218
Yokohama Nurs. Co.	Kumeric	July 19	to Chicago	F in diamond	115
Yokohama Nurs. Co.	Kumeric	July 19	to New York	YNC in diamond	19
R. Tanoi	Kumeric	July 19	to Chicago	H in triangle	106
Yokohama Nurs. Co.	Tenyo Maru	July 20	to San Frans.	SL in diamond	4
Yokohama Nurs. Co.	Tenyo Maru	July 20	to San Frans.	CN in diamond	3
Yokohama Nurs. Co.	Tenyo Maru	July 20	to San Frans.	D in diamond	3
Yokohama Nurs. Co.	Selja	July 20	to Portland	MF in diamond	10
Yokohama Nurs. Co.	Selja	July 20	to Portland	F in diamond	6
Yokohama Nurs. Co.	Empress of India	July 25	to New York	F in flag	147
R. Tanoi	Empress of India	July 25	to Chicago	H in triangle	115
Seitaro Arai	Empress of India	July 25	to Chicago	W in horseshoe	65
Seitaro Arai	Empress of India	July 25	to New York	W in horseshoe	162
Seitaro Arai	Empress of India	July 25	to New York	OVZ in diamond	115
L. Boehmer & Co.	Empress of India	July 25	to New York	Shield	191
L. Boehmer & Co.	Empress of India	July 25	to New York	CFM in Crescent	41
Samuel Samuels Co.	Seattle Maru	July 27	to Chicago	VSS in paral'gram	21
Samuel Samuels Co.	Seattle Maru	July 27	to New York	VSS in paral'gram	32
Yokohama Nurs. Co.	Inaba Maru	Aug. 2	to New York	F in flag	161
Yokohama Nurs. Co.	Inaba Maru	Aug. 2	to New York	Z in diamond	34
Samuel Samuels Co.	Inaba Maru	Aug. 2	to Seattle	VSS in paral'gram	21
Samuel Samuels Co.	Nippon Maru	Aug. 9	to San Frans.	VSS in paral'gram	63
Samuel Samuels Co.	Ayemeric	Aug. 8	to Portland	VSS in Paral'gram	4
Yokohama Nurs. Co.	Empress of Japan	Aug. 15	to New York	1 in diamond	18
Yokohama Nurs. Co.	Empress of Japan	Aug. 15	to New York	2 in diamond	18
Yokohama Nurs. Co.	Empress of Japan	Aug. 15	to New York	3 in diamond	29
Yokohama Nurs. Co.	Empress of Japan	Aug. 15	to Vancouver	RN in flag	8
Yokohama Nurs. Co.	Empress of Japan	Aug. 16	to Vancouver	B in diamond	2
Yokohama Nurs. Co.	Siveria	Aug. 16	to San Frans.	M in diamond	16
Yokohama Nurs. Co.	Kamakura Maru	Aug. 16	to Seattle	TI in diamond	3
Yokohama Nurs. Co.	Siveria	Aug. 16	to San Frans.	K	22
Yokohama Nurs. Co.	Antirochus	Aug. 20	to Portland	P in diamond	140
Tagaki	Monteagle	Aug. 22	to Toronto	MOS in paral'gram	27
Tagaki	Monteagle	Aug. 22	to New York	CFM in Crescent M.	127
Isaac Bunting	Monteagle	Aug. 22	to Vancouver	XYZ	22
Tanoi & Co.	Monteagle	Aug. 22	to New York	H in triangle	270
Seitaro Arai	Monteagle	Aug. 22	to New York	W in horseshoe	283
Seitaro Arai	Monteagle	Aug. 22	to New York	MH in triangle	14
Seitaro Arai	Monteagle	Aug. 22	to New York	M in square	17
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	M in flag	136
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	G in flag	53
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	3 in diamond	54
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	S & I in keystone	38
Yokohama Nurs. Co.	Monteagle	Aug. 22	to Vancouver	BB in diamond	62
Yokohama Nurs. Co.	Monteagle	Aug. 22	to Chicago	G in flag	125
Yokohama Nurs. Co.	Monteagle	Aug. 22	to Chicago	M in flag	88
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	OVZ in diamond	160
Yokohama Nurs. Co.	Monteagle	Aug. 22	to New York	WCo in diamond	3
Yokohama Nurs. Co.	Monteagle	Aug. 22	to Victoria	FEG in diamond	10
Yokohama Nurs. Co.	Monteagle	Aug. 22	to Victoria	WB in diamond	2
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	L in diamond	32
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	EG in circle	49
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	L in circle-square	17
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	M in circle-diamond	67
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	M in diamond	139
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	HM in diamond	49
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	HM in circle-diam.	17
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	RET in diamond	7
L. Boehmer & Co.	Monteagle	Aug. 22	to New York	Shield	71
Samuel Samuels Co.	Manchuria	Aug. 30	to New York	VSS in oblong	18
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	M in flag	191
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	G in flag	84
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	3 in diamond	34
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	OVZ in diamond	60
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	HB in diamond	70
Yokohama Nurs. Co.	Manchuria	Aug. 30	to San Frans.	D in diamond	18
Yokohama Nurs. Co.	Manchuria	Aug. 30	to San Frans.	1 in diamond	1
Yokohama Nurs. Co.	Tauba Maru	Aug. 30	to New York	B in diamond	2
Yokohama Nurs. Co.	Empress of China	Sept. 5	to Toronto	G in flag	43
Yokohama Nurs. Co.	Empress of China	Sept. 5	to Chicago	AC in diamond	80
Yokohama Nurs. Co.	Empress of China	Sept. 5	to Chicago	G in flag	260
Yokohama Nurs. Co.	Empress of China	Sept. 5	to New York	CFM in Crescent	70
Yokohama Nurs. Co.	Empress of China	Sept. 5	to New York	OVZ in diamond	45
Yokohama Nurs. Co.	Empress of China	Sept. 5	to New York	G in flag	161
Yokohama Nurs. Co.	Empress of China	Sept. 5	to New York	S&I in keystone	59
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	M in circle-diam.	20
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	M in diamond	11
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	432 in oblong	1
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	L in circle-diamond	5
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	L in square	3
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	EG in circle	45
L. Boehmer & Co.	Empress of China	Sept. 6	to Toronto	M in diamond	3
L. Boehmer & Co.	Empress of China	Sept. 5	to Toronto	EG in circle	45
L. Boehmer & Co.	Empress of China	Sept. 6	to Toronto	EG in crescent	28
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	M in diamond	35
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	EG in circle	70
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	S&I in keystone	35
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	R in circle	12
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	D in circle	20
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	EG in circle	68
L. Boehmer & Co.	Empress of China	Sept. 5	to Toronto	EG in circle	27
L. Boehmer & Co.	Empress of China	Sept. 5	to Chicago	H in circle	10
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	AVR in diamond	47
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	HM in circle-diam.	17
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	HM in diamond	60
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	M in diamond	20
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	L in square	19
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	EM in diamond	16
L. Boehmer & Co.	Empress of China	Sept. 5	to New York	SW in circle	33
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	P in circle	20
L. Boehmer & Co.	Empress of China	Sept. 6	to New York	CFM in crescent	60
Tagaki	Empress of China	Sept. 5	to New York	CFM in crescent	360
Tanoi & Co.	Empress of China	Sept. 5	to Chicago	H in triangle	251
Seitaro Arai	Empress of China	Sept. 6	to New York	W in horseshoe	800
Seitaro Arai	Redhill	Sept. 7	to New York	W in horseshoe	203
Seitaro Arai	Redhill	Sept. 7	to New York	MH in triangle	21
Seitaro Arai	Redhill	Sept. 7	to New York	S&I in keystone	65
Seitaro Arai	Redhill	Sept. 7	to New York	M in square	11
Seitaro Arai	Tencer	Sept. 13	to New York	W in horseshoe	400
Seitaro Arai	Sado Maru	Sept. 13	to New York	W in horseshoe	745
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	OVZ in diamond M.	40
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	OVZ in diamond G.	140
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	G in flag	619
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	CFM in crescent	140
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	HB in diamond	21
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to New York	BB in diamond	2
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to Chicago	G in flag	184
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to Chicago	AC in diamond	31
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to Boston	G in flag	67
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to Seattle	HG in diamond	10
Yokohama Nurs. Co.	Sado Maru	Sept. 13	to Victoria	XXX in diamond	7
Samuel Samuels Co.	Sado Maru	Sept. 13	to Seattle	VSS in paral'gram	53
Samuel Samuels Co.	Asia	Sept. 18	to San Frans.	VSS in paral'gram	34
L. Boehmer & Co.	Sado Maru	Sept. 13	to Portland	RS in circle	13
L. Boehmer & Co.	Sado Maru	Sept. 13	to Portland	P in circle	2
L. Boehmer & Co.	Sado Maru	Sept. 13	to Portland	XRX in circle	5
L. Boehmer & Co.	Sado Maru	Sept. 13	to Portland	PS in circle	9
L. Boehmer & Co.	Sado Maru	Sept. 13	to Portland	M in diamond	5
L. Boehmer & Co.	Sado Maru	Sept. 13	to Denver	EG in circle	13
L. Boehmer & Co.	Sado Maru	Sept. 13	to Denver	Mel in diamond	1
L. Boehmer & Co.	Sado Maru	Sept. 13	to Denver	Rub in diamond	1
L. Boehmer & Co.	Sado Maru	Sept. 13	to Denver	Alb in diamond	1
L. Boehmer & Co.	Sado Maru	Sept. 13	to Denver	Aur in diamond	4

TOTAL SHIPMENTS

Yokohama Nurs. Co.	(representing Yokohama Nurs. Co., New York)	5492 Cases
Seitaro Arai	(representing Ralph M. Ward & Co., New York)	3607 Cases
L. Boehmer & Co.	(representing Henry & Lee, New York)	2630 Cases
Tanoi & Co.	(representing Wm. Hagemann & Co., New York)	1299 Cases
Samuel Samuels Co.	(representing Rockhill & Vietor, New York)	768 Cases
Tagaki	(representing Charles F. Meyer, New York)	514 Cases
Bunting	(representing unknown)	22 Cases
	Total	14,122 Cases



The above stem of bloom does not show average length; to illustrate a full spike would entail too much reduction in size. The average length is over a foot.

HERE

is something worthy of your

ATTENTION

A sterling novelty strain of

DELPHINIUMS

We offer to the trade, for Fall sowing, seed of our magnificent new strain of Delphinium "Belladonna" in all colors, and here are a few facts concerning

IT is true "Belladonna" type, same as the sterile form.
IT has the same deeply dentate foliage.
IT has the same wiry stems.
IT is of perennial duration, increasing in vigor each year.
IT has the same graceful disposition of flowers on stem.
IT is never crowded as in the ordinary Elatum types.
IT averages three to three and a half feet high.
IT is self-supporting, requiring no staking whatever.
IT flowers from break of Spring to close of Fall.
IT produces ten times as many blooms as ordinary tall sorts.
IT begins to bloom when but a few months old.
IT averages two inches or over across individual blossoms.
IT contains some of the loveliest shades of blue in existence.
IT embraces true blue, sky blue, sapphire, indigo, etc.
IT has been thoroughly rogued of all objectionable purples.
IT produces a magnificent mass of blue when bedded out.
IT is a gem for cut flowers.
IT lasts a full week in the cut state.
IT is something for florists besides Roses and Carnations.
IT is last and not least a money maker.
IT simply sells on sight.

We have sold over 25,000 plants to our retail trade in the past year and a half and the best part of the whole matter is that our customers are more than pleased. Try it on yours; it is worth while.

Price per trade packet 50 cts., per half ounce $2.25, per ounce $4.00.

HERE

are a few other items which may interest you:

CANNA. Saved from a grand collection of named varieties. Per lb. 75c.

DELPHINIUM. Double and Single Elatum Grandiflorum type, extra choice. Per oz. $1.50.

STOCKS. Beauty of Nice. Carefully saved. Will produce a high percentage of Doubles. Per oz. $1.50.
Winter Riviera White. A fine variety for cutting purposes, 18 inches high, snow white, with a very high percentage of Doubles. Per oz. $1.50.

TRITOMA. Hybrids in all colors from pale yellow to orange, orange scarlet, etc.; a very fine strain. Per oz. $1.00.

WATSONIA IRIDIFOLIA O'BRIENI. The finest and largest pure white Watsonia, five to six feet high; blooms at Easter time; can be flowered the second season from seed. Per oz. 75c., per lb. $10.00.
Note. It does not come entirely true from seed. Some pink shades are bound to appear, but these are good and large.

WATSONIA, H. & S. Hybrid Pink Shades. Saved from a pink strain of unsurpassed beauty, ranging from apple blossom to lavender pink, deep rose, etc.; very fine. Per oz. $1.00; per lb. $12.00.

Cash with all orders

Address

HOWARD & SMITH

P. O. Box 484

LOS ANGELES, CALIFORNIA



A "Horseshoe Brand" Giganteum Field—July, 1910

**"Not How Cheap—
But How Good"**

You are in business to make money—so are we—our interests are mutual. It concerns us very much whether you make money or not, and, knowing that fact, we are doing all we can to give our clients the very best there is in Lily Bulbs. We have been in the Japanese Importing Business long enough to know that in Japan, as in other countries, you get just what you pay for and not more. Our Bulbs cost more than other brands and we pay 100% cash in advance for them too. Now, a successful Merchant usually buys from a successful Importer—he associates in a prosperous sphere—one gravitates to a common center according greatly to his surroundings. It pays to buy from good firms and to buy the best in Lily Bulbs.



A "Horseshoe Brand" Giganteum Field—July 31, 1910

RALPH M. WARD & CO.

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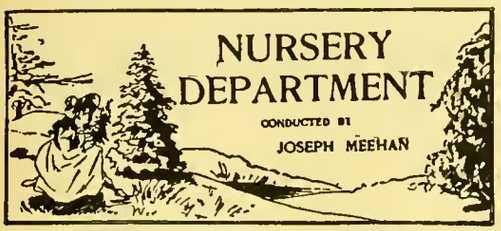

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

HOUSTON, TEX.—The Gulf Coast Nurserymen's Association met on the evening of Oct. 4 at the Bristol Hotel, with R. H. Bushway presiding and fifteen members present. Plans for systematizing work for members of the Association and formulating of plans for the business interests of the members were considered. The members declared themselves strictly against the taxing of nurserymen's stock—that is, on the fruit trees in field. They declared it unjust to tax the crop and trees of nurserymen and have the crops of other soil tillers go untaxed. The Association agreed to co-operate with the State Nurserymen's Association in testing a case requiring the taxation of nursery stock. A uniform labor rate was adopted by the members for budding, but the rate was not given out.

Rhus glabra

It is customary to call all the species of Rhus, Sumachs, and to think of all Sumachs as having beautiful Fall foliage, but all are not eligible to these classes. Rhus cotinus and R. cotinoides, for instance, are rarely thought of as Sumachs partly, probably, because not coloring in Autumn they seem not entitled to the name. The two that every one thinks of as Sumachs are the Rhus glabra and R. typhina, and each has a cut-leaved variety which takes on handsome foliage in the season just as the type does. These and the poison vine, Rhus radicans, all become of a beautiful red color in Autumn, the panicles of conelike seeds as well as the foliage. The "cones," in fact, are of a lovely color before the leaves are, becoming red early in Summer, and then, with the green background of foliage, the appearance of the bush is handsome. Our photograph gives an idea of the appearance of the bush in late Summer, when it was taken. The foliage, though becoming red, had not attained to its full splendor as it would appear a month later. Further, when it is growing in soil not as good as that in which our specimens is, it is more floriferous, every branch, practically, bearing a head of flowers; this bush will do it, too, when it gets through thriving so vigorously.

Referring again to color in the Rhus family, the R. venenata, a bush wild in swamps, does not color at all, neither does the Japanese one, R. succedanea—but both are highly poisonous.

The poisonous ones are the two just named and the radicans; all the others, including trilobata, and the pretty berried one, aromatica, can be handled without fear.

To get a large group of the Rhus glabra, or of any other one, run a spade in the ground around them, severing the roots, and lots of young plants will spring up.

Evergreens for Pots

Meeting a florist, today, with a wagonload of small evergreens of about a two feet height, curiosity led the writer to ask him what kinds he had. It seems he had been to purhase a hundred small plants for potting up for Christmas, and his assortment consisted of about equal numbers of the following kinds: Thuja globosa and T. occidentalis, Juniperus stricta and J. Hibernica, Retinispora squarrosa, R. plumosa and R. pisifera aurea, Pinus strobus, and Tsuga Canadensis.

This is a very good assortment, still there are many more excellent kinds to help along a good collection, such as the Norway and White Spruce, Balsam Fir, several other Junipers and Retinisporas, Box plants, Euonymus, Laurel, Mahonia and others of the broad-leaved section.

It was wise on the part of the florist mentioned to be securing and potting this stock well in advance of cold weather. The plants will make a few new roots in the meantime, which will be greatly to the advantage of their well doing. But he was an old man, long in the business, and, evidently, experience was leading him in the matter.

A Beautiful Berried Shrub

All the Euonymus species are known as bearing handsome berries in Autumn. The European one, E. Europæus, is still common in old gardens, from plants brought from Europe in the early days of garden making, before our own species were to be had in nurseries. It is still a very good one to plant, the color of its seeds being of an orange scarlet. The best known of our native species is the E. atropurpureus. It is not unlike the preceding one in many respects, but in the color of its seeds it is of a deeper scarlet, in which respect it is readily distinguished from the European. These berries are not evident until Autumn, when the bursting capsules reveal them, and often, as in the case of the two species named, the capsules themselves have a red tint, altogether forming a pretty picture.

Another American species of much beauty is the E. Americanus, a rather slender growing shrub. In addition to the red of its seeds, which are exposed in Autumn, it has warty capsules of a purplish red color, which in themselves attract, aside from its red colored seeds.

It is our intention in these notes to refer to the great beauty of a Euonymus but little known, the E. Hamiltonianus. It really leads all in many respects, because of having capsules of a pretty pink color. The seeds are of a dark red color, and with the pink capsules and green foliage—for the colors are there before the fall of the leaves—the contrast is most pleasing. This, and all other of the deciduous Euonymus, are adorned by the seeds for some time after the fall of the leaves, in fact until hard freezings destroy the seeds; and in the South the berries of the E. Japonicus and E. Sieboldianus please in the same way.

Beauty of Stuartia Virginica

One of the rarest and at the same time most beautiful flowering shrub, or small tree in cultivation is the Stuartia Virginica. Is there any nursery in the United States that could supply it? It has a fellow species, the S. pentagyna, less rare than the other, but it is almost impossible to obtain even it. Some years ago, collectors did offer this one, pentagyna, and a few plants of it were disposed of in collections, but it seems to have dropped out of lists formerly containing it. The S. Virginica is the better of the two, having better looking foliage; and its flowers have a purplish base to them, setting off the white color of the flower nicely. Pentagyna is wholly white.

Propagators say that these Stuartias are extremely difficult to root from cuttings or from layers, and as no one offers seeds of them there seems no way of propagating them. Has any one tried root grafting them on their own roots, a plan often successful with many plants difficult to increase in any other way? Botanic gardens may contain this rare one, S. Virginica. The writer has a recollection of seeing one in Bartram Park (formerly Bartram Botanic Garden), Philadelphia, also in Woodland Cemetery near by, both planted probably by the early Philadelphia botanists, if not by Bartram himself.

As the Camellia belongs to the same natural order as the Stuartia, and is easily raised from seeds, it may be it might suit the Stuartia as a stock, but there would be the fact that its growth would be confined then to the warmer States, as the Camellia can endure but little frost.

The nursery business of the present day appears to be running in channels remote from the growing of rare trees and shrubs. The demands of the country appear to be for great quantities of every individual thing offered. The one who endeavors to build up a trade in rare sorts finds his pockets empty, is the talk; this is probably so, to a great extent. Take the Stuartia for example. Where could wood for grafting be had, and where the stocks? The shrub seeds freely, it is claimed, but where are those who can get the seed? There must, of course, be some way of increasing it, as the few specimens of it in cultivation show; but what a time it would take for a nurseryman to offer it by the 100 only! It seems improbable that we shall see these rare trees and shrubs offered for sale, until the time comes when the calls for immense quantities of stock as witnessed today cease, and that time will not arrive for generations.

In the meantime, will our botanic gardens make any efforts to increase these rare plants?

Viburnum Opulus in Winter

Now that so many owners of estates are taking an interest in the Winter beauty of their grounds, there is a shrub they should not neglect—the good old Viburnum opulus, long known as V. oxycoccus. It is sometimes seen now in collections of shrubs, always conspicuous in Winter because of its clusters of red berries, the said clusters hanging on the bushes all Winter, regardless of weather or of birds. Those who have seen it in its wild state speak highly of its decorative character during late Summer and early Autumn, and until the snows of Winter cover up the bushes. Whether other birds than what we have in Pennsylvania care for the berries is not known by the writer. Neither the robin nor other birds eat them, so that it is one of very few bushes or trees that carry their ornamental fruit all Winter long.

Besides the beautiful clusters of fruit, there are its heads of white flowers in Spring, so that between these and the red berries there is a display that pleases from early Spring until Winter.

This shrub is the parent of the old common Snowball, still a favorite, and the first one of all varieties to perfect its snowballs in Spring.

The Paulownia as a Hardy Tree

As it is common for one-year seedlings of Paulownia to become winter killed when unprotected, many persons have the impression that it is not a hardy tree. This is a mistake, as far as Pennsylvania is concerned. The loss of seedlings in Winter is but a circumstance such as happens to even some of our native trees—the Catalpa, for example, the seedlings of which get winter killed when left out unprotected the first Winter, or are very apt to, just as Paulownias do. The reason is that both these trees are of a sappy growth, with much pith, and the seedlings are too soft to endure freezings. In the case of Paulownias this may happen even up to the second and third year, but not afterwards, as hard wood is there by that time, and freezings do not hurt them.



Rhus Glabra

Foresters who now grow the Catalpa by the thousands make it a rule to dig all the seedlings before Winter, heeling them in, in a cold cellar preferably, otherwise burying them completely in sand outdoors.

Paulownias are grown only for ornamental purposes, but nurserymen treat them the same as foresters do the Catalpa, digging them up on the approach of Winter, and housing them in a cold cellar until Spring. When planting out time comes the seedlings are cut back to within an inch of the ground, after being planted. A growth of a few feet may result by Fall, but, as with the one year growth, this two year is not likely to survive the Winter. However, as the cutting back will have to be repeated in Spring the plants may be left where they are and some protection given them, sufficient to cover an inch or two of their base, to which point they are to be cut back when Spring opens. The growth they make the Summer following—the third season—is usually of a nature hard enough to withstand the Winter; should it not be, cut down the plants once more, when a growth of such strength ought to follow that no more injury need be expected in the years to follow. Although Catalpas are usually hurt only the first Winter, straighter trees result from a cutting back every Spring for two or three years; and, when selling, all nurserymen know how straight trees are appreciated by the customer.

Paulownias are almost wild in some parts of Pennsylvania, the trees having sprung from seeds blown from cultivated trees. Some large specimens about Philadelphia have trunks over two feet in diameter.

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"LADY HILLINGDON"

Awarded GOLD MEDAL, National Rose Society, England, 1910, and AWARD OF MERIT, Royal Horticultural Society, England, 1910.

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This Rose is a Seedling raised from "Papa Gontier" × "Madame Hoste." Color: deep apricot yellow, shading to orange. Petals very long and filbert shaped, of fair substance, very free flowering and of free growth.

A grand Rose for forcing and for general greenhouse culture, keeping its color well when cut. The Rose has proved a great success wherever grown, and, in the opinion of the Raisers and Distributors, is by far the best yellow Rose for cultivation under glass.

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California Privet



I am offering an extra fine stock of two-year-old California Privet, which will be graded according to the high standard which I have always maintained.

QUALITY as well as PRICE should be considered.

It will pay you to send me your list before your place your order.

I am Growing California Privet To Sell, and I Sell It. There must be a reason.

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Globes, 12 inches, $4.00 a pair and up.

Square Pyramids, $10.00 a pair.

Just arrived in fine shape from Holland

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Also, Berberis, Cannas, Asparagus Roots and Grape Vines.

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	Credit price per 1000	Cash price per 1000
6 to 12 inches, 1 year, 2 to 5 branches	$4.00	$3.00
12 to 18 inches, 1 year, 2 to 5 branches	7.00	6.00
18 to 24 inches, 1 year, 2 to 5 branches	13.00	12.00
6 to 12, 2 years, very bushy	5.00	4.00
12 to 18, 2 years, very bushy	10.00	8.00
18 to 24, 2 years, very bushy	15.00	12.00
2 to 3 feet, 2 years, very bushy	20.00	18.00
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CAROLINA AND LOMBARDY POPLARS

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7 to 8 feet, 2 years	$6.00	$5.00
8 to 10 feet, 2 years	7.00	6.00
10 to 12 feet, 2 years	9.00	8.00

Terms, Cash with order or satisfactory reference.

Purchasers of known responsibility desiring credit will be charged at credit prices. Those unknown to us who fail to furnish satisfactory references must positively send cash with order. All who send cash with order will be allowed our special cash prices.

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Aphine

The Insecticide that Kills plant Lice of every Species

For "MUMS"

Aphine has no equal among the insecticides on the market today. It has no injurious effect when applied to either foliage or flower. It will not burn or stain, but will destroy insect pests to which Chrysanthemums are susceptible.

Read what Mr. Fritz Bahr reports in the "Week's Work" on his experiments with Aphine from Spring up to date, in THE FLORISTS EXCHANGE of October 8.

$2.50 per Gallon, $1.00 per quart.
For sale by all seedmen.

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Crocker Building, San Francisco, California
Please mention the Exchange when writing.

Rochester, N. Y.

Business the past two weeks has been exceptionally brisk and the main difficulty has been in getting enough stock to take care of the demands. A general shortage has been experienced in most every kind of stock, principally Carnations and Chrysanthemums; the latter, in order to fill orders, having had to be cut before the flowers had time to properly develop. Compared with a year ago conditions are much better as, at that time, the market was heavily overstocked with Roses and Chrysanthemums; if present conditions continue there is little probability that this condition will be experienced this month as, at present, trade conditions are extremely satisfactory.

W. D. Oviatt has a fine crop coming on, and the prospects are that he will hit it right, as he usually does. Mrs. Oviatt has just returned from a most enjoyable visit to northern Canada, and is now again able to look after things in her usual energetic manner.

Some good wedding decorations have been going around creating a good demand for wild Smilax and, of course, other stock, which makes one feel that a good season's business has started in in earnest.

The regular monthly meeting of the Florists' Association was held Monday, Oct. 10; about 75 members were present, and one of the most interesting meetings of the season ensued.

The report of the Civic Improvement Committee, as read by Chairman W. H. Dildine, was adopted by the Association and the president authorized to appoint a committee of seven to carry out the work; this committee will be appointed at the next meeting.

The report of general chairman C. H. Vick was entirely satisfactory to all concerned; it showed that everything was running nicely and the prospects of a banner show this year assured; the slogan, "An even more beautiful Rochester!" will undoubtedly be the outcome of this, our second annual flower show.

The following gentlemen have been appointed chairmen of the various committees in charge of the Rochester Florists' Association's Fall Show: Charles H. Vick, general chairman; E. S. Osborne, Reception Committee; Geo. B. Hart, Concessions; F. W. Vick, Music; E. P. Wilson, Ushers; F. J. Keller, Decoration; A. H. Salter, Advertising; W. L. Keller, Finance.

H. B. STRINGER.

Forthcoming Meetings

The fifteenth annual meeting of the American Association of Farmers' Institute Workers will be held in the National Hotel, Sixth st. and Pennsylvania ave., Washington, D. C., Nov. 14 to 16, 1910.

Beginning Nov. 16 and continuing through to the 18th, the Association of American Agricultural Colleges and Experiment Stations will hold their annual convention, also in Washington.

ONE-HALF MILLION

CALIFORNIA PRIVET

1, 2 and 3 Year Stock as follows:		Per 1000	Per 10,000	Per 20,000
1	to 1½ ft. 3 branches up	$10.00	$ 85.00	$165.00
1½	to 2 ft. 4 branches up	15.00	125.00	210.00
2	to 3 ft. 6 branches up	20.00	175.00	325.00
3	to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4	to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect

ORDER EARLY **DON'T DELAY**

CARLMAN RIBSAM, 31 Wall Street TRENTON, N. J.

Please mention the Exchange when writing.

California Privet

Car load of 2 to 3 and 3 to 4 feet sizes, for Fall shipment. Also 18 to 24 inches, 1 year, 3 to 5 branches, $15.00 per 1000. Carefully graded.

M. H. MUSSER, Lancaster, Pa.

Please mention the Exchange when writing.

CALIFORNIA PRIVET Is My Specialty

Bennett's Wholesale Price List.

I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

We can furnish 2 year old plants, graded from the large size, very bushy but not as high as the First Grade, for $2.00 per 100, $15.00 per 1000, 500 at above rate, packed.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Special prices on car lots.

Cash with order. Packing free.

JOHN BENNETT, The Privet Man
HILLSIDE NURSERIES
ATLANTIC HIGHLANDS, N. J.
Long Distance Telephone
60J, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

California Privet

2 year branched, 2 to 4 shoots, $12.00 per 1000
3 to 6 shoots, 15.00 per 1000

No charge for cases or packing

Henry Eichholz
WAYNESBORO, PA.

Please mention the Exchange when writing.

500,000 California Privet FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also, a fine stock of **AMPELOPSIS Veitchii**, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Special Prices

California Privet

	100	1000
3 to 4 ft., extra heavy	$4.00	$35.00
2 to 3 ft., extra heavy	3.00	25.00

Berberis Thunbergii

	100	1000
18 to 24 in.	$10.00	$80.00
12 to 18 in.	8.00	60.00

Carolina Poplar

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

Lombardy Poplar

Low branched.	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

This above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.
The Burr Nurseries
Manchester, Conn.

Please mention the Exchange when writing.

40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 18 to 24 in., 5. each.
NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

D. T. McCARTHY & SONS
Nurserymen and Florists **Lockport, N. Y.**

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Hollyhock Plants

Double White, Yellow, Salmon, Pink, Red and Maroon; extra strong transplanted roots, $6.00 per 100, $50.00 per 1000.

	100	1000
AQUILEGIA Coerulea (true)	$6.00	$50.00
DELPHINIUM Formosum ..	6.00	50.00
PAPAVER Orientals	5.00	40.00
PAPAVER Orientale, 4-in. pots	6.00	50.00
PYRETHRUM Roseum	4.00	35.00

Write for list of other Perennials, and samples to,

GEO. F. KIMBEL, Flourtown, Pa.

Please mention the Exchange when writing.

Field-Grown Vincas

$6.00 per 100, $50.00 per 1000.

DRACÆNA INDIVISA

3-inch 6c., 4-inch 12c., 5-inch 20c. and 6-inch 30c.

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK. (L. I.) N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100; Killarney, 5-in., 36c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Riccard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

Special Plant Offer

Pandanus Utilis, specimen plants, 6-9 in. pots, 50c.-$4.00 each; 2-in. pots, $6.00 per 100.
Marguerites, 6-7-8-9-in. pot grown, foliage to the pot, fine for Christmas, 35c.-50c.-75c. and $1.00 each.
Marguerites, 2¼-in. pots, $3.50 per 100; 3-in. pots, $6.00 per 100.
Table Ferns, 2¼-in. pots, $3.50 per 100.
Primula Obconica, 2¼-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100, ready for 4 to 5-in. pots.
Double Sweet Alyssum, 3½-in. pots, $4.00 per 100.
Poinsettias, 1 year old stock plants, $20.00 per 100, will produce 4 to 6 flowers for Christmas.
Hydrangea Otaksa, 7-8 in. pots, 5 to 7 branches, 50c.-75c. each.
Campanula, pot grown for forcing, $6.00 per hundred, out of 4-in. pots.
Honeysuckles, 6-in. pots, very bushy, 4 ft. long, 25c. each.
Euonymus Radicans, variegated and green, very bushy, 4½-in. pots, $15.00 per 100.
Euonymus Radicans, strong Summer rooted cuttings, $2.50 per 100.
Virginia Creeper, 6-in. pots, 4 ft. long, 25c. each.
Hollyhock, 4-in. pots, separate colors, healthy stock, $6.00 per 100.
Ivy, Summer rooted cuttings, $15.00 per 1000.
Ivy, field-grown, $6.00 per 100.
All stock strictly first class. Cash with order.

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Orders booked for Fall Delivery.
We are also large growers of other Small Seeds. Send for trade list.

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Ventura, California

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Chinese & Obconica Primroses Fine plants, 2¼-in., $2.00 per 100; 3-in., $3.00 per 100; 4-in., $6.00 per 100. **PRIMULA Obconica**, 5-in., $12.00 per 100. **CYCLAMENS**, 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS**, 2¼-in., $2.00 per 100; 3-in., $3.00 per 100. **JERUSALEM CHERRIES**, 3½-in., $5.00 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

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The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Baltimore

At last we have rain, and it was certainly welcome, only too late to do much good to the outdoor stock. The usual market supply of cut flowers is below the average. The supply from outdoors is decreasing, and the indoor cut is gradually increasing. Roses are plentiful at this time, and some fairly good stock can be seen. Carnations are moving well; some growers were compelled to push them, as stock has been scarce; Enchantress is the leading variety at present. Cosmos is a little heavier in supply and some nice blooms can be had cheap. A few varieties of Chrysanthemums are to be seen. Dahlias are still plentiful and selling fairly well. Greens are in good supply.

John McCormick, Catonsville, Md., is erecting a new greenhouse, 21x60 ft. He is one of the largest Lily growers here, and the condition of his plants is excellent. His Roses and Carnations are in tip-top shape and cropping heavily. His store in Baltimore consumes all he grows, which is anything but enough, and at times he buys heavily for his trade. The plant is looked after by his son Thomas, who is a very energetic young man and loves the business.

Robert Yates, Ellicott City, Md., reports that he has had a successful season with Coleus and Geraniums. He is the only florist in his city and gets many orders from the counties for funeral work.

Charles Seigwart, Carroll, has nearly all his houses supplied with concrete benches of various kinds, and is still trying for the best. The condition of his stock is in every way good and encouraging. He has an extra fine lot of Carnation plants, including a new seedling variety of the Enchantress type.

The Ladies' Bowling Team will meet every Wednesday evening at the Garage Bowling Alleys.

W. P. Kennedy, Laurel, Md., the only florist between Baltimore and Washington, has a fine lot of Carnations and does a good amount of funeral work.

The Laurel County Fair is now in full blast. The Griffith & Turner Co., has a catchy display of bulbs and implements; their exhibit is in charge of J. L. Towner.

Baltimore G. & F. Club

A regular meeting of the Gardeners and Florists' Club of Baltimore was held last Monday evening, at the Club rooms, Franklin and St. Paul sts., with president George Morrison in the chair. Being "Ladies' Night" little business was transacted. The Club rooms were handsomely decorated with choice selected Dahlias, Palms and Ferns. One hundred and fifty chairs were arranged and all were occupied, and half as many more persons were compelled to stand. The attendance was the largest in the Club's history. Richard Vincent, Jr., of White Marsh, was introduced by the president. After a presentation to the ladies of quantities of Dahlias, he gave an interesting talk covering his recent travels through Europe, and showed a number of views with the aid of a stereopticon. At the conclusion of the lecture a hearty standing vote of thanks was tendered to Mr. Vincent by the Club, with many congratulations by those present. The evening was a successful one in every respect, the music and refreshments being highly enjoyed. The committee in charge was composed of James Boone, J. J. Perry and F. C. Bauer.

J. L. T.

Washington, D. C.

A two days' rain at the close of the week broke the unprecedented drought, but it is thought to be rather too late to do much real good other than to field crops for provender. Dahlias have, however, shown some improvement in quality, but each night threatens a frost that will suddenly terminate their season. 'Mums and Cosmos are becoming more plentiful every day; some good October Frost and Polly Rose among the former are the best seen thus far. There seems to be few yellow 'Mums in comparison with the white.

Z. D. Blackistone is showing some very good 'Mums, but says business was not as good as might be expected last week.

William Marché still retains his aquatic window, filled chiefly with a fine collection of vari-colored night bloomers.

W. B. Shaw of Deanwood has been sending in fine Water Lilies all Summer.

Chas. Kramer of Alexandria, Va., has bought out his sister's interest in the store and greenhouses, and will continue the business for himself in that city.

The Washington Florists Co. have two very novel window displays; in the 13th st. window a miniature church aisle carpeted with crumpled white satin forms a conspicuous feature and leads onward to the kneeling desk, over which is a shell effect canopy in green, festooned with Asparagus plumosus and electric lights. The most noticeable feature is a new idea of two heart-shaped gates of open work, with A. plumosus daintily entwined on each; the gates are hung from posts consisting of tall baskets of white Chrysanthemums, and the effect on the whole is more novel and pleasing. In their F. st. window is a bride's table complete with table furnishings, and with a center piece of Orchids. Back of this are tall vases of white 'Mums and American Beauty Roses. The table decorations are changed each day and, likewise, new effects are being shown in this connection with different styles of colonial bouquets.

O. A. C. Oehmler underwent a rather serious co-operation at the Garfield Hospital on Thursday and is getting along nicely; he expects to return to work the first of next week.

Gude Bros. Co. have some fine October weddings booked.

Club Meeting

At the regular monthly meeting of the Florists' Club of Washington which was held on the night of Oct. 4, at the conservatory of F. H. Kramer, at 916 F. st., N. W., there was a good attendance and the business session was mostly taken up with forming plans for the forthcoming flower show, which opens at Convention Hall on Oct. 31 for one week. There is a growing interest and enthusiasm in this show, such as has never been manifest before, and the committee in charge is desirous of making it the banner event in the Club's history. There is much more space than heretofore to be filled, and this means that many flowers and plants will be needed, and therefore it is earnestly desired that the local enthusiasm may spread and that the growers and retailers generally will be represented.

JAS. L. CARBEBY.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Many of Your Customers Will Be Glad to Have Heacock's Well-Established Palms This Winter

Well-established; that's one of the big things in favor of Heacock's Palms, and explains WHY they succeed wherever grown—from one side of the country to the other, and even as far south as Mexico. Our Palms are a first-rate, all-the-year-round line for you to handle, and right now, when the demand is strong for good indoor stuff, Palms like this Kentia Belmoreana are bound to prove especially popular with your trade. At the price we are quoting, you can make a good profit handling them.

The clean, healthy condition of this Palm is duplicated in every plant we send out—every one is vigorous, well-established, because grown here in our houses from the seed. We have a splendid stock and can ship on short notice. Order NOW—freight shipments cannot be safely made after cold weather, when all stock must go by express, at a higher rate.

KENTIA FORSTERIANA

	Leaves	In. high	Each	Per doz.
5-in. pot	5 to 6	28 to 30	$1 00	$12 00
6-in. pot	6	34 to 36	1 50	18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot	4 plants in pot	36 $2 50
7-in. tub or pot	4 plants in pot	36 to 40 3 00
9-in. tub or pot	4 plants in tub	42 to 48 5 00
9-in. tub, heavy	4 plants in tub	4 ft. high, 6 00

ARECA LUTESCENS

	In. high	Each
6-in. pot	3 plants in pot	28 to 28 $1 00
7-in. pot	3 plants in pot	30 to 32 2 00
8-in. pot	3 plants in pot	36 2 50
8-in. pot	5 plants in pot	42 3 00

COCOS WEDDELIANA

	In. high	Per 100
2½-in. pot	8 to 10	$10 00
2½-in. pot	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz.	100
5-in. pot	6 to 7	18		$6 00	$50 00
6-in. pot	6 to 7	22 to 24	$1 00	12 00	
6-in. pot	6 to 7	24 to 26	1 25	15 00	
6-in. pot	6 to 7	26 to 28	1 50	18 00	
7-in. tub or pot	6 to 7	34 to 36	2 50	30 00	
7-in. tub or pot	6 to 7	36 to 38	3 00		
7-in. tub or pot	6 to 7	40 to 45	4 00		

	Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48	very heavy $5 00
9-in. tub	6 to 7	48 to 64	very heavy 6 00
9-in. tub	6 to 7	5 ft.	very heavy 8 00

CIBOTIUM SCHIEDEI

Ready Now; Stock limited.	Each
9-in. tubs, 4 to 5 feet spread	$6 00
9-in. tubs, 8 ft. spread	7 50

PHOENIX ROEBELENII

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5-in. pots, nicely characterized	$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00



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JOSEPH HEACOCK CO., Wyncote, Pa.

Railway Station: JENKINTOWN

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1 00 each. Extra fine stock and just right for the holidays.

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WORCESTER, MASS.

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JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

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Cheap Palms

PHOENIX RECLINATA, beautiful specimen from 8, 9 and 10 in. pots, $2.00 and $2.50 each. From 12 in. tubs, $3.50 each.

LATANIA BORBONICA, strong, healthy, outdoor grown, dark green, ready for 2½ inch pots, $1.50 per 100, $12.00 per 1000. **Express prepaid.**

WASHINGTONIA ROBUSTA, fine stock from 6 inch pots, ready for a shift, 50 cents each, $4.50 per dozen.

AVENUE FLORAL CO., New Orleans, La.

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We are one of the largest collectors and importers of Orchids. Investigate us.

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SUMMIT, N. J.

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Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England

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PLANTS and FLOWERS always on hand.

ORDONEZ BROS.
Madison, New Jersey

Please mention the Exchange when writing.

"As the advertisement in the Exchange last week sold all my Carnation Plants, you may discontinue it and we enclose $1.00 to pay for the same."

Address of this advertiser upon application.

FOUNDED IN 1888

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

"Art" Dahlias

We have received from E. H. Cushman of Sylvania, O., a box of "Art" Dahlias, embracing certain varieties of Decorative and Peony-flowered Dahlias which certainly could be classed under the term he gives them. Among the varieties were: Gladys Dawson, Queen Emma, Harnesveld, Bertha von Suttner, Gov. Gnild, Delice, King Leopold, Isadora Duncau, Van den Dael, and Sylvia.

SHADING FOR BULBOUS BEGONIAS.—One of the principal Begonia specialists near Paris, France, has a practical way of shading his plants as soon as they are set in place. He spreads over his Begonia beds clean stable litter in a layer thick enough, nearly, to cover the plants and the soil around them, thus both shading the plants and saving the trouble of watering. After a time the Begonias come through this litter; they are then uncovered, and the litter between them, which is left, serves later for bedding. This is a practical and inexpensive procedure for anyone growing Begonias on a large scale. —*Revue Horticole.*

PRUNUS PISSARDI MOSERI, FL. PL.—This magnificent flowering shrub was introduced a few years ago by Moser & Sons of Versailles, France. It is a seedling of P. cerasifera purpurea, whose fine reddish brown foliage it has retained, while its habit is more branched and fuller. The very abundant flowers are of a lovely light pink, about the size of those of Prunus triloba fl. pl., though not so double. Planted singly or in groups, this new red Prunus is highly ornamental. It begins to flower at the same time as P. triloba fl. pl. and other Prunus, but lasts about two weeks longer. Cut branches keep remarkably long in water. It is easily forced and should be cultivated for cut flower purposes.—*Moeller's.*

Society of American Florists

Registration of Coleus "Fanny Ross"

Public notice is hereby given that the J. W. Ross Co., of Centralia, Ill., offers for registration the Coleus described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.—Leaves large to very large; color rich velvety crimson shading outwardly to pink, often having gold blotches in the point; beautifully edged with green and gold.

Name.—"Fanny Ross."

H. B. DORNER, Secretary.

October 6, 1910.

Our Dahlia Symposium

The extent of the industry in the Dahlia may not be fully realized even after the presentation of that subject made in this issue; quite likely, too, outside of the specialists but few of us have a knowledge of the fact that there now exist hundreds of claimants for popular favor, each one possessing by virtue of beauty and distinctiveness its own special right to recognition. Wonderful colors and color combinations, grace, beauty and elegance are all characteristics of the modern Dahlia, so small wonder that it has made its way into the hearts of the amateur planters, but great wonder that it is, comparatively speaking, so slightly used as a cut flower, to which for decorative purposes several of its classes are so well adapted.

It is impossible, as it would be absurd, to endeavor to call a halt to the multiplication of varieties, especially so when these are improvements, but if new sorts continue to increase in the ratio in which they are lately making their appearance, how will we keep track of them all? The majority of large growers favor the elimination from commerce of all but the very best but, naturally, no one grower with a country wide trade would care to undertake to cut down his list unless all competitors did the same. The lists we present are but a few, yet all sufficient to give a fair idea as to the great number of select varieties in cultivation and also, demonstrate the fact that many are local to the neighborhood in which they are raised.

Here is an instance where the need of a strong national body of florists, possessing ample funds and its own trial ground or grounds, is strikingly shown. Had we such, all varieties could there be grown and tested, duplicates and inferior and too-near-alike sorts could be discarded, nomenclature straightened out, and the grower relieved from carrying stock which he now has to dispose of all too often at a loss.

We regret that through pressure on our columns we have been compelled to omit several contributions of value; these will appear in our issue of Oct. 22.

New York Florists' Club

A regular monthly meeting of the New York Florists' Club was held at the Club rooms in the Grand Opera House Building, 23d st. and 8th ave., on Monday evening, Oct. 10. Being "Ladies' Night," the attendance was very large. President A. L. Miller presided and the business proceedings were hurried through as quickly as possible in order that the program of entertainment provided by the essay and house committees might be commenced.

The transportation committee, through Frank H. Traendly, made its report on the trip to the Rochester Convention; the report was accepted, and the committee discharged with the thanks of the Club.

Patrick O'Mara, for the committee having in charge the project of the establishment of experimental greenhouses at Cornell University, reported progress.

Walter P. Sheridan of the essay committee announced that at the November meeting of the Club John T. Withers of Jersey City, N. J., would deliver a lecture on his recent trip around the world, and illustrate the same with a series of lantern slides.

The following, nominated at the last meeting, were elected to membership: Robert D. Macniff, Geo. W. Crawbuck, E. T. Broomfield, W. F. Shay, John Baumann, Fred. Marquardt, H. E. Philpott, John Collins, George Wagner, Emil Leuly and Philip Einsmann.

There were ten nominations of candidates for election at the next meeting, as follows: Charles Shuster, Brooklyn, N. Y.; Maurice Kleinman, New York City; Olaf Blomberg, and James Fenn, Cranford, N. J.; Wm. H. Phillips, Brooklyn, N. Y.; John Graff, Queens, N. Y.; W. J. Moore, Percy B. Rigby, M. C. Ford, and Wm. Taat, New York City.

J. A. Shaw, for the N. Y. F. C. Bowling Association, reported the progress of that organization since the last meeting.

The feature of the evening was a lecture by J. Horaco McFarland of Harrisburg, Pa., on the subject "The Crusade Against Ugliness." The lecture was illustrated by a number of excellent lantern slides. Mr. McFarland showed what had been done in different cities throughout the country in the agitation for the "City Beautiful" and presented many examples of the beautiful and the ugly. His lecture was greatly enjoyed, and at the close he was accorded a hearty vote of thanks.

Chairman John B. Nugent of the house committee took charge of the remainder of the proceedings and introduced Kirk's Orchestra, which played some excellent selections. Sig. Ciuaffo rendered a tenor solo, "Love's Young Dream," for which he received an encore. Miss Savary Dorsell, one of the leading sopranos at the Hippodrome, and well and favorably known to the Club, rendered the song, "Cupid and I," one of her best, in her usual good form, and as an encore she gave "Annie Laurie," to the delight of the Scotch element present.

There were two exhibits before the Club; one by Robert Scott & Sons of Sharon Hills, Pa., of a vase of their new Rose, "Melody"; the other by Harry Turner of Castle Gould, L. I., of a vase of cut sprays of Celosia Pride of Castle Gould.

During a lengthy intermission the ladies were conducted to an ante room where refreshments were served. J. A. Manda, R. M. Schultz and others rendering able assistance in the service. In the "canteen," where the gentlemen were refreshed, R. E. Berry presided over a huge roast of beef, and J. B. Nugent and Robt. Kuehne dispensed popular liquids.

It was after midnight when the gathering dispersed. The ladies are also invited to be present at the next meeting.

Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(*Continued from page 516*)

During the London season we shipped nearly all our fruit to a commission firm in Covent Garden. The first consignment would go on a passenger train leaving Ascot at 8 a.m. and a second consignment would go on a train leaving Ascot at 9 a.m.; both trains would be met at the station in London and the fruit taken in charge. After the forced Strawberry season was over it was a simple matter to get all packed on time by commencing at 4 a.m. If the weather was favorable we used temporary benches outside, a location much more convenient than the packing shed, and there would not be many outsiders to bother us at that time in the morning.

Many of the great racing men would rent a house for Ascot week, as everything from a cottage to a mansion was to rent for that week. They would have the horses out on the commons early in the morning, exercising, etc., and many of the owners, trainers and others would be out watching them. Early one morning two gentlemen came to where we were packing—I knew they were gentlemen or they would have been ordered off quickly; so many gentlemen who rented houses for the week were customers for fruit, and many of them left orders for nursery stock. One of the gentlemen asked me several questions about fruit growing and packing; he also asked me about some of the large private places in England, and where I got my experience; he thought it strange that after having so much practice in private places I should be in a commercial place with all the long hours and the inferior class of assistance. After we got through packing I had to leave to give some instructions. The gentleman then asked me if Mr. Standish could be seen. I sent one of the men to his house, and his wife sent back word he would be there in a short time, as he was not up then. When Mr. Standish came out the three walked off together and I thought no more about it. Some time later in the day, Mr. Standish told me it was the Earl of Stamford and Warrington who had been talking to me, that he had ordered fruit for the table for each day while he remained at Ascot, and that after going through the Rose ground he had left an order for a lot of hardy Roses for Fall delivery, with several other things in the hardy Japan stock. His lordship also told Mr. Standish he was then sending his gardener his discharge, owing to his fruit being so poor and so badly packed. He said he had been dissatisfied with things in general for some time, and concluded he could not stand it any longer. He told Mr. Standish he had been watching me pack fruit, also that he had been talking with me about fruit growing, etc., and asked a lot of questions about my former experience and practice on all points connected with gardening, deciding that he would like to meet me, thinking I was the man he wanted, as his gardener must, besides well understanding fruit growing and the general management of a large garden, thoroughly understand replanting and the general treatment of all kinds of trees, both ornamental and forest, not generally understood by gardeners.

After that, I had three interviews with his lordship, two of which commenced about 11 p.m. and lasted till nearly 2 a.m., as there were two friends with the Earl and each one considered himself an authority on all the questions which came up. It kept me guessing who was going to ask the next question. I think I must have come out all right, as I received instructions to meet his lordship in London at a certain time two days afterwards, when I received final instructions to be at Envill one week later, which was as soon as I could promise.

The place I then took charge of was quite extensive. The flower garden and pleasure grounds were of about one hundred acres, including some very fine lakes and two walled in kitchen gardens of about twenty acres, with extensive ranges of both fruit and plant houses. Although the houses were not old I found there were many changes to be made, much fixing to be done and several boilers to be taken out and replaced, and piping to be changed, as from the way much of the piping was done there was too much power wasted; in short, it was the usual cry with a new gardener, pulling out and changing the heating system. The borders in the grape houses all had to be pulled out and remade, and given a general overhauling. The Pine houses and pits all wanted more heating power and the plant houses required nearly as much overhauling as the fruit houses.

The staff of help, including improvers and laborers, was about fifty. Nearly all the regular work under glass was done by the young men who came as improvers; usually, one man would be given charge of so many houses, with a second man as his assistant. By adopting that plan there was always one man who knew his work and no new hand was put in charge till he had been tried. If he was a reliable man he soon got a charge; some of them were never put in charge.

The grounds were open to the public two days each week, from the time the bedding out was finished till frost destroyed the Summer plants in Fall, and all classes from the manufacturing towns, including Birmingham, Wolverhampton, Dudley and many other places, and the whole of what was termed the "Black Country," for ten or fifteen miles around, came in every kind of cheap conveyance. It was not a question of what the horse or team could draw, but how many the conveyance could hold. Many of them brought the most of their refreshments with them, and held picnics in the pleasure grounds. There was a large hotel outside where were served dinners, lunches and all kinds of liquid refreshments. The grounds were cleared of visitors at 6 p.m., and it would then take about two hours for all the visitors to get loaded up and started for home—certainly a very amusing sight. With the great crowds nearly all working people, and many of them from where neither Nature nor Art did anything to beautify the surroundings, there was very little trouble keeping order or preventing damage or thieving. What a contrast! I recently thought, when I saw in the paper this Summer the trouble they were having in this city, (Detroit), with visitors stealing and destroying property. I sometimes think the children in this country are not taught to respect the rights of others, also that there are children of all ages running at large.

One very striking thing in the flower garden was a very large and handsome conservatory, well constructed and properly proportioned in every part. The roof was of iron, supported by iron columns, which also acted as water conductors. There were light iron girders from column to column, twenty feet above the floor, with another tier of girders higher up in the curved roof, all of which were covered with strong growing vines, such as Passiflora, Tecomas, Ipomœas, etc., which hung in festoons to within twelve feet or so of walks and borders planted with specimen Camellias and other flowering plants suitable for a night temperature of 45° in Winter. Spaces were reserved for Wintering large specimen Camellias, Azaleas, Oranges, etc., in tubs and boxes, which were placed outside in the Summer. This house was, like all the other houses, heated by hot water. A large vault under the conservatory contained the boilers and furnaces, with space for the Winter's supply of coal. The smoke was conveyed by an underground flue about two hundred yards and discharged by a tall chimney which was quite hidden in the Summer by a group of trees. Most of the hot water pipes were under the main walks, protected by neat light gratings. It is not often that we see a large ornamental plant house which has many conveniences or is adapted for either growing or displaying plants to the best advantage. The house I have described met more of the requirements than any large conservatory I have ever seen, and it stood quite alone surrounded by flower beds.

Among the Growers

Aschmann Bros., Philadelphia

Howard E. and Edward Aschmann are now very busy completing the repairs on their newly acquired range of greenhouses at Second and Bristol sts. There are ten houses, furnishing about 30,000 ft. of glass. They are steam heated, and provided partly with raised benches and partly with solid beds. The range is well adapted to plant growing, for which purpose it will be used by the firm. The situation, too, directly opposite the main entrance of Green Mount Cemetery is a good one from the standpoint of local trade. These enterprising young men do not, however, expect to confine their efforts to a mere local business, but expect to do a large shipping trade in plants, in which business they have been thoroughly trained, and which they fully understand.

Every house of this range, as soon as put in order, has been filled with well-grown plants, and it is noted that all the plants are now in excellent condition, showing nice clean culture. The repairs on the houses will be finished and shipment of orders begin this week.

Among the plants observed were Nephrolepis Scholzeli in 6-in. pots, N. Bostoniensis in 5-in. to 8-in. pots, N. Scottii in like sizes, and N. Whitmani in different sizes; also a block of nice 4-in. pot Pteris Wilsoni, one of the best of all Pterises, and several thousand small Ferns in variety for making up pans. The Ficus elastica is looking fine, and so are Primroses, both the Chinese and the obconica, and also the Begonia Lorraine. Mention also should be made of a large block of Araucarias, Kentias and Cocos Palms. The Dutch bulbs have already arrived, as well as others, and several thousand Azaleas and Araucarias are expected by early steamer. The Asparagus plumosus, and Poinsettias are in good condition. One house, 21x100 ft. will be especially devoted to Spring plants.

Two new wagons, one covered and one open, have been added to the equipment, and the Aschmann Bros. are now ready to attend promptly to all shipping and local orders.

The Worcester Conservatories, Worcester, Mass.

The establishment of L. C. Midgley, at Worcester, Mass., conducted under the style of The Worcester Conservatories, embraces about 100,000 sq. ft. of glass. There are four houses, each 300 by 30 ft., filled with Carnations, 40,000 plants in all, of the varieties Enchantress, White Enchantress, Wiusor, Beacon, Lady Bountiful, White Lawson, Winona, and blocks of all the new varieties of 1910. One of the houses is planted with inside grown stock from 2½-in. pots and flats, and from this house a fine cut is being received. Two houses, each 300 by 30 ft., are devoted to Roses, of standard varieties, including Mrs. Jardine and White Killarney, at present in good crop. There is a house, 150 by 30 ft., planted to Sweet Peas, which is already in crop; and another of the same size filled with 'Mums.

A house, 150 by 15 ft., contains a stock of potted plants, and Ferns and miscellaneous stock fill a house 60 by 30 ft.

The heating system is supplied by four 100 h. p. boilers.

There is a packing room, 80 ft. square, with a large cooling room, as fine a one as is to be seen anywhere.

The stock from the establishment is sold at wholesale in Worcester, Springfield, Providence, and other towns outside of Boston.

Mr. Midgley remarks that he had a house of Stocks three years ago; the house was 300 by 30 ft. and contained some 11,000 plants. Most of the cut flowers were shipped to Boston around Memorial Day, but Mr. Midgley hardly considers the house was a good investment, as the shipments were heavy in weight and the express charges in consequence very high.

Readers' Views

Sixty Years of Retrospect

Editor The Florists' Exchange:

I have followed Mr. Taplin's reminiscences in the EXCHANGE with much interest and I have no doubt many who served their apprenticeship on the other side of the Atlantic have enjoyed them equally. It will put them in mind of their first three years at a dollar and a half a week and the nice financiering it took to keep themselves in grub and clothes. Obviously, there was no money to spend on luxuries or amusement, frivolities or vices of any kind. This, I believe, is the reason why those old time 'prentices are in after life so highly endowed with all the moral virtues. Virtue was a stern necessity in those three years of probation and so became habitual and crops out later, just like early piety.

Mr. T. is a good example of the "rolling stone"; no sooner does he get things into good shape in one place than he rolls off to another and repeats the operation. He is, however, by no means unique in this respect; the nomadic propensities or habits of the old country gardener are proverbial if not notorious. As a journeyman he moves about from place to place, always with an eye to learning something but, as soon as the desired knowledge is acquired, off he rolls again and keeps on going until he meets his affinity and then, perforce, he comes to anchor. If he happens to land in a place where children are not classed as an "incumbrance" he considers himself lucky and may be there for the rest of his life.

Mr. Taplin's articles show, in an interesting way, the evolution of gardening from the old time "all round" gardener to the specialist of the present day. The gardener of sixty years ago had necessarily to be thoroughly versed in all branches of gardening, from the outdoor kitchen and flower gardens to forcing all kinds of vegetables, fruits and flowers under glass; he had, also, according to Mr. T., to be something of a pugilist. Mr. Taplin remarks in one of his papers that he "never found a gardener who was a success in everything"; no wonder, considering the multitude of things he had to be posted on. I wonder what particular branch Mr. T. "slipt up" on.

Mr. Taplin describes some of the greenhouse structures of those ancient times, but says very little about the heating; he, however, mentions hot water pipes several times, which would indicate that the use of hot water for heating greenhouses was not uncommon. It would be interesting to know if the science of greenhouse heating has kept pace with that of greenhouse building and other mechanical branches of the business, or if there is any difference between the so-called heating system of today and that of sixty years ago, also if they had the "too hot" end and the "too cold" end, just as we have at the present day.

The remarkable amount of money those British gentry were willing to spend for vegetables, fruit and flowers out of season is another interesting feature of Mr. T.'s articles. Those Asparagus he mentions must have cost at least a dollar a stalk and I have heard of Peaches being charged to the "estate" at a guinea a piece.

Those papers have been good reading and I am sorry they are done. I notice that Mr. T. never speaks of going after a "position"; he invariably goes after a "job." This is something the young man of today might take note of. Some one who owns a dictionary might look it up and find out how Webster differentiates between a position and a job. I note, also, that one of Mr. Taplin's bosses went to church once, at least, but no record of Mr. T. entering the sanctuary himself.

West Hoboken, N. J. JOHN BIRNIE.

[Mr. Taplin's series of papers are not exhausted; there is more material to follow.—ED.]

Climbing Euonymus

Editor The Florists' Exchange:

Referring to Mr. Meehan's comment of Aug. 20 upon Climbing Euonymus, I beg to call your attention to the enclosed cutting from one of two vines on the residence of Robert F. Shannon at Edgeworth, Pa. If these vines ever had the habit Euonymus radicans exhibits in its early years, they have long since abandoned such habit. Each now has a trunk at least three inches in diameter at the ground and sends out branches, free from the wall, six feet and more in length; it extends to the roof, a height of twenty-five feet or more. In the Spring it is a mass of cream white bloom. These vines are probably twenty-five years old and I believe came from the nursery of Thomas Meehan. SUBSCRIBER, Pa.

—The shoot sent is not Euonymus radicans at all, but E. Sieboldiana, a large growing shrub and not a climber. E. radicans has much smaller leaves and is a true climbing vine. Sieboldiana is an evergreen when grown a little farther South or where freezings are slight. It is reported a true evergreen in southern Kansas; but in Philadelphia it is only evergreen when covered with snow all Winter or when grown in pots indoors.

JOSEPH MEEHAN.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Obituary

Emily D. Schultheis

Miss Emily D. Schultheis of Scranton, Pa., died on Sept. 21, very suddenly, after a few days' illness. Miss Schultheis had conducted a florist's establishment in Scranton for the past seven years. She had been extremely well the past few months, after an extended trip over the Great Lakes. She also attended the S. A. F. Convention at Rochester and, from there, took a trip to the Thousand Islands, Montreal and Quebec. The funeral was held Sept. 24 and was largely attended. The business will be carried on by the remaining family.



Establishment of Leonard C. Midgley of the Worcester Conservatories, Worcester, Mass., Comprising 100,000 sq. ft. of Glass

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their queations freely answered. Addreas your envelopes Construction Dept., care of thia paper.]

Article IV—Continued

Material and Construction

In supporting the roof of a semi-iron frame house, considerable care should be used in proportioning the iron posts and purlins for same, as the roof members have practically no strength in themselves beyond the matter of holding the glass in place. It will, therefore, be seen that this part of the work must receive close attention.

Various arrangements of columns and struts, and combination columns and truss rods have been used more or less successfuly in the past. It would he impossible to consider all the various methods which have been used, as the location and widths of benches and walks, etc., very frequently determine the location and character of the columns; but we will describe a few typical methods and the proportions for same which have been found successful, and we believe that these suggestions will enable the prospective builder to decide what is best for his particular requirements.

The number of purlins and column or strut supports required in a house is determined by the width of the house and the strength of the roof bar used. Generally speaking, in semi-iron framework the roof bar is never less than 2½ in. deep and 1⅛ in. wide. This size roof bar will stretch a distance of 8 ft. and support the glass up to 24 in. wide without sagging; therefore, if the purlins and posts or struts are so arranged that this length will not be exceeded it will give successful results. Occasionally a lighter bar than this is used, the lighter bar frequently measuring about 1¾ in.

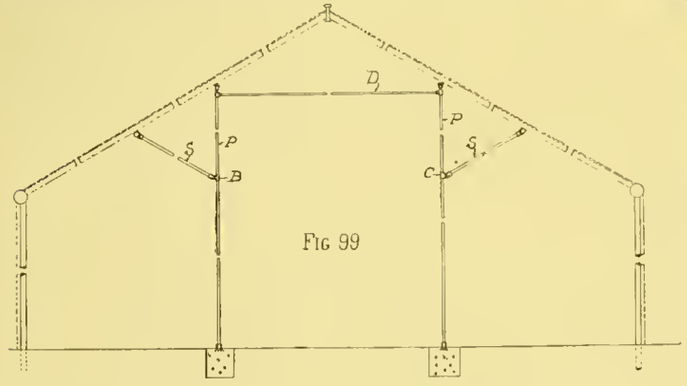


FIG 99

deep by 15-16 in. wide; this is the size generally used in connection with iron frame houses, but occasionally it has been used in semi-iron frame constructions. With this size wood bar the supports must be placed in the house so that the span of the bar will not exceed 4 ft. 6 in.; hut, as we are at the present time dealing exclusively with the semi-iron frame houses, we will proceed under the assumption that the heavier bar will be used, which will span a distance of not to exceed 8 ft.

The simplest form of post arrangement for the support of the roof of the house is straight pipe columns extending from the purlin to the ground, as shown in Fig. 35, but where the roof bar would be about 12 ft. or 13 ft. long, as in the case of a 20 ft. wide house, if the simpler form was used it would reqnire three columns, which would he an objection in a house of this width; therefore, to reduce the number of columns, the center column and strut support is frequently used as shown in Fig. 46.

Fig. 97 shows a more detailed view of these center posts and struts. It shows a pipe purlin, and also an angle iron purlin, with methods of connecting both. Post top, A, to which the ridge is secured by the wood screws, is similar to that illustrated in the photograph Fig. 41, the strut fitting, B, being illustrated in photograph Fig. 54 with the angle iron purlin shown at D. The required strength of the various types of purlins was indicated in connection with the illustrations Figs. 82 to 84.

The method shown for connecting strut S with the angle iron purlin, D, is such that there is no drilling required at this point. In this method the strut top, S, engages a ball casting, R, which is secured to the angle iron by means of the hook, U, and the clamp, V. This makes a strong and permanent connection without drilling the angle iron purlin, and the ball and socket connection to the strut S makes it possible to set this strut at any angle.

Another method of connecting the angle iron with the strut frequently used is a castiug to take the place of R, which is secured to the angle iron by means of a set screw, as shown in Fig. 98. This casting is secured to the top of the strut by means of two bolts in slotted holes, which give the necessary adjustment to suit the angle of the strut. This connection to the angle iron purlin is also made without the necessity of drilling the angle. In both of these cases it is necessary to drill the angle iron purlin for wood screws to suit the centers of the roof bars,

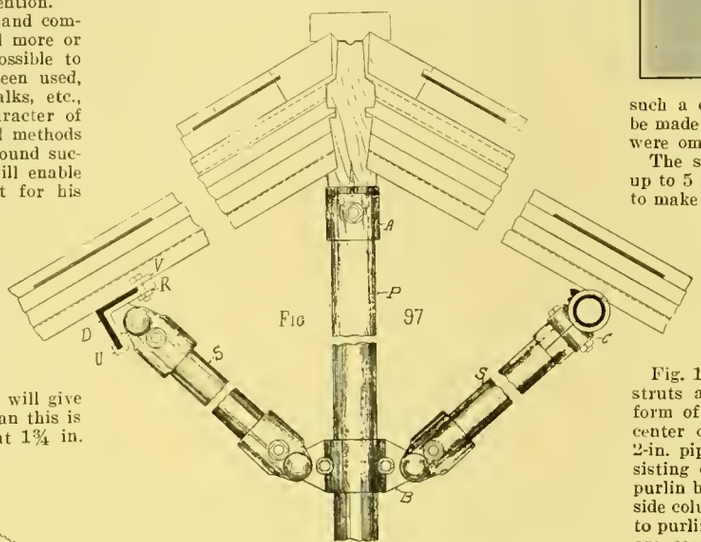


FIG 97

secured to the angle iron by means of iron clips, F, shown in connection with the T-bar purlin in Fig. 84, and so avoid the necessity of drilling the purlins except for splices where they join. It will be readily seen that a T-bar purlin similar to that shown in Fig. 84 can he used instead of the angle iron purlin, if desired, by using a similar casting for connecting to the post strut S.

Should it be desired to have a center walk in the house, the roof could he supported by means of two pipe columns with a pipe tie across the top similar to Fig. 48, with the exception that either pipe, angle iron or T purlins could be substituted in place of the wood purlins shown in that illustration. However, where possible, it is always better to use the center post under the ridge, as it will be readily seen that it is much the stronger construction.

Fig. 99 shows another form of roof support which is sometimes used in a house about 30 ft. to 32 ft. wide. In such cases the length of the roof bar on each side of the ridge is too long for a single support on each side, and yet the length is not sufficient to warrant using two posts on each side. This construction consists of two singlep side struts, S, attached to the two columns, P, by fittings, B, and C, the tie rod, D, joining the columns at the top. Of course,

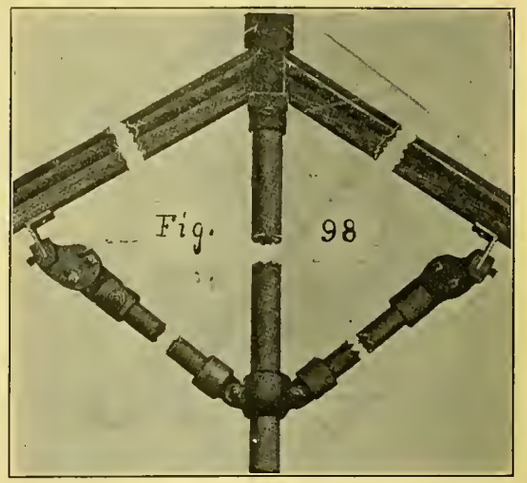


Fig. 98

such a construction as this calls for the columns, P, to be made heavier than would be necessary if the side struts were omitted.

The side struts, S, are generally made of 1-in. pipe, up to 5 ft. long, but where they exceed this it is advisable to make them of 1¼-in. pipe. When these side struts are used with the two columns as shown in this illustration, if the height of the house will permit it is well to place a 1-in. pipe tie between the two fittings, B and C. This, however, should not be done unless the fittings are at a height of about 6 ft. 6 in. above the ground, but where it is possible it adds considerably to the strength of the structure.

Fig. 100 shows a combined form of center column with struts and double column with tie; this makes a good form of roof support for a house about 36 ft. wide, the center column, P, beneath the ridge, being composed of 2-in. pipe, and the side struts, S, connected to same, consisting of 1-in. pipe, being connected to the 1¼-in. pipe purlin by means of 1¼ in. x 1 in. clamp tees, R. The two side columns, QQ, consist of 1¼-in. pipe, and are connected to purlins by the 1¼ in. clamp tees, M. The tie rods, TT, are composed of 1-in. pipe, being supported midway by the cross, N, on center column, P. This center column should not be cut for the cross, N, but the cross should be clamped on and the tie rods cut a little short and secured to the cross, N, and tees, L, by an iron pin passing directly through the fitting and pipe, so as to form a positive tie.

Fruit by Subscription

The Chamber of Agriculture of the Province of Brandenburg, Germany, inaugurated this year a system of subscriptions for fruit, in order to stimulate the consumption in the province. Fruit growers designated hy the Chamber will send to the subscriber at definite intervals—as e. g. regularly once a week—a postal package of ripe, selected table fruit at a fixed price for the entire season, packed and shipped according to the regulations. The Chamber believes that this plan will benefit the growers, and as its success depends upon the nature of the deliveries, they must bind themselves, in writing, to satisfy all the conditions and furnish only fruit of the best quality. The subscription being sent direct to the Chamber of Agriculture, it is in a position to hand over the orders only to reliable firms. It is believed that private consumers will welcome such an arrangement, for it guarantees a continuous choice supply without the trouble of storing or caring for fruit. If the plan proves successful this Winter, vegetable and small fruit subscriptions will be started next Spring.—*Moellers.*

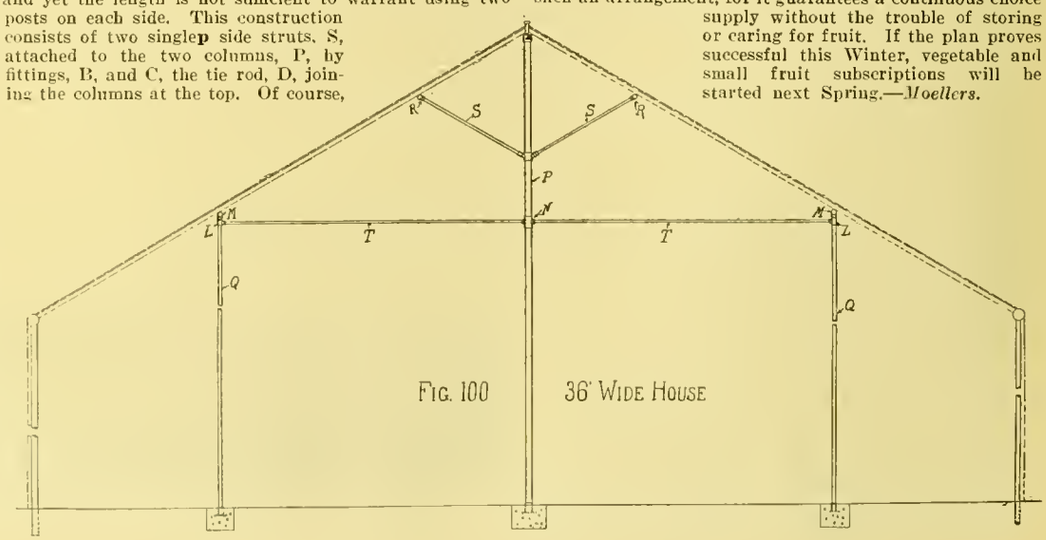
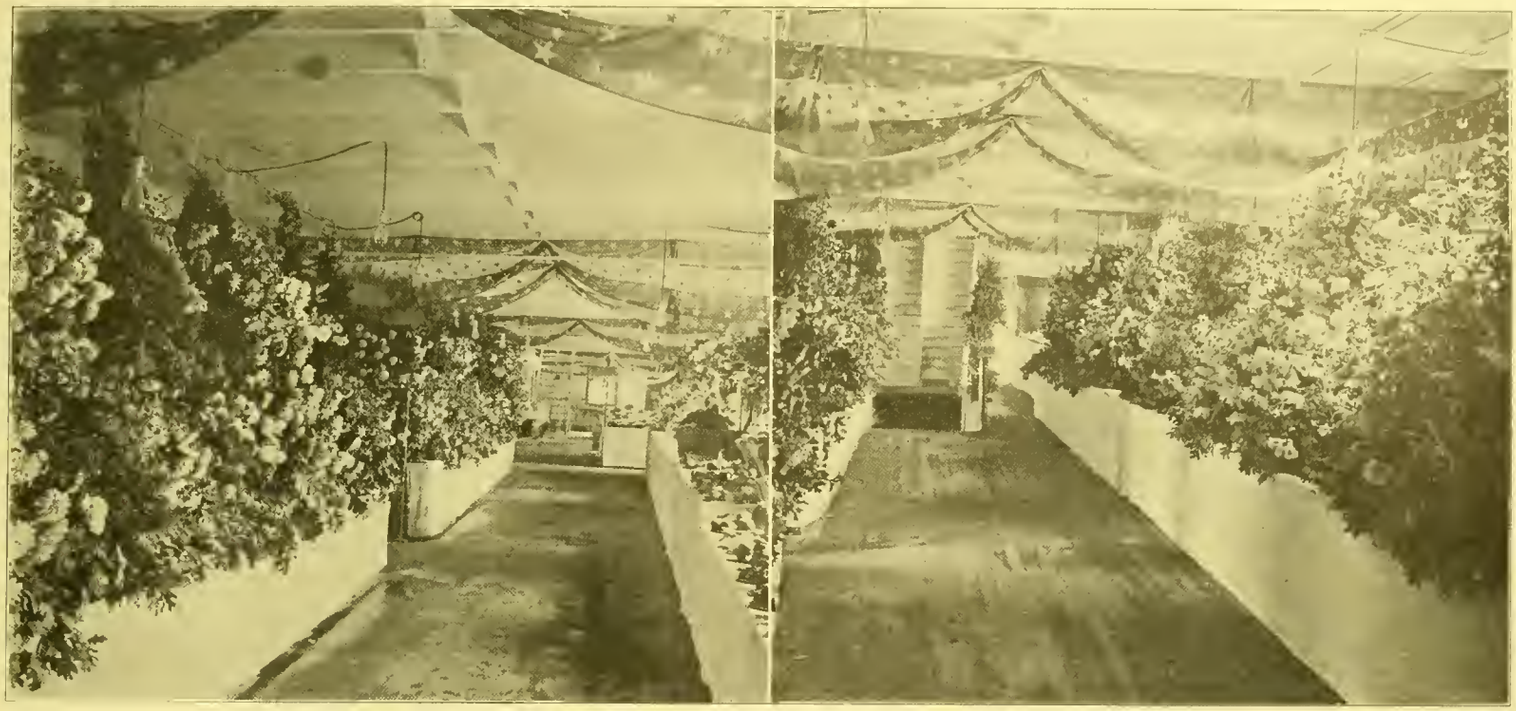


FIG. 100 36' WIDE HOUSE



The Recent Dahlia Exhibition at Vincent's, White Marsh, Md. See F. E., p. 596, Oct. 10

The Dahlia—Its 1910 Status

G stands for Garden Varieties C stands for Commercial Varieties E stands for Exhibition Varieties

Dahlias in the South

By Richard Vincent, Jr.

I should judge, by present indications, that we are on the verge of a Dahlia "craze." Everyone seems to be more or less interested, and the increased demand for plants and bulbs experienced last Spring, with the great increase in the demand for flowers, would prove that, as far as Baltimore is concerned, the people are just waking up to the realization of the possibilities of the Dahlia as a garden plant, or as a flower for decorative purposes. I might at this time, without going into details, say that our sales will more than double those of last year. People who a few years ago would hardly condescend to look at a Dahlia flower for personal adornment, or even for home decorations, have now become extremely interested and many have developed into enthusiastic amateur growers of Dahlias, and are very successful. As the disease is very contagious we may expect to hear of a heavy demand for roots and plants next Spring. We are led to believe that the condition as evidenced here is the same everywhere.

The demand has not seemed to be excessive for any one particular type of the large flowering kinds, Show, Decorative and Cactus all going about the same. The root orders in for Fall or Spring shipment are about evenly divided; three parts among the classes mentioned, with the Centuries, Singles, Pompons, and Collarettes making up the part remaining.

The Dahlia is by all means a Fall flower, and any effort to produce earlier blooming varieties we fully believe would not meet with much encouragement.

About this time last year there was quite a discussion in the trade papers in reference to weeding out and cutting the numbers of varieties down to a shorter list. So far, we have been unable to see any result whatever, unless it was to cause some growers to increase their list, as there are surely considerably more varieties listed now than a year ago, and for anyoue to try to become acqnainted in the slightest way with all of them or to find use for so many varieties would certainly be productive of disastrous results, and leave him a fit subject for an asylum. Cannot the New England Dahlia Society do something along this line?

We are more convinced than ever that the best flowers can be and are produced from pot-grown plants, planted in our vicinity between May 20 and June 1. We have had an extremely dry season, that is, the latter part of it, and those varieties that held up longer and gave us exhibition and finest grades of flowers during the latter part of September and October, when the best demand was on, were those that were planted later than June 1.

The claim is so often made that propagation by cuttings has a strong tendency to cause degeneration in flowers and bulbs. We have not found such to be the case, as the flowers we have cut this season are the finest we have ever had. The bulb crop we shall harvest will be first-class in every respect.

Among the newer varieties we have this season and which are showing up in fine shape are the following, of our own introduction:

MRS. C. W. BASSETT (Decorative).—A clear deep pink, full flowers of medium size; good stems; free blooming and meeting the approval of the most critical judges.

MRS. CHAS. L. SEYBOLD (Peony-flowered).—Classes as a double Peony-flowered, long sharp petals, an exquisite shade of deep rose pink, each petal edged white; long graceful stems.

WM. PIERCE (Show).—Shell pink of the Mrs. Gladstone shade, medium-sized full flowers on long erect stems, free flowering; a splendid variety for cut flowers.

PHOENIX (Boucharlat, 1909) (Cactus).—Of the largest size, well formed, full flowers of good substance, a distinct and handsome deep fiery rose red, each petal shaded black; a striking variety on the exhibition table.

One of the best attractions that we have had on the exhibition tables this season bas been Queen Wilbelmina, a pure white Peony-flowered variety, and when massed



Acres of Dahlias at Vincent's, White Marsh, Md.

Princess Victoria Louise in Foreground Storm King in Foreground



Dahlia Queen Wilhelmina—Peony Flowered

showed extremely well. Fringed 20th Century came in for its share of admiration when exhibited so as to show to advantage its handsome coloring. Rose Pink Century and Scarlet Century both stood four days on exhibition without hardly shedding a petal. It was the consensus of opinion that there is nothing finer, especially at this time of the year, for large decorations than the Dahlias here mentioned, and there are several other long rigid stem varieties that could be added to the list.

Cactus Varieties

c COUNTESS OF LONSDALE.—Rich salmon, an extremely free flowering sort.
c KRIEMHILDE.—Pink, shading to white center; splendid thing but a little late.
e MASTER CARL.—Clear orange salmon, large deep flowers.
ce MRS. H. J. JONES.—Bright scarlet, variegated white, splendid as a cut flower and striking for exhibition.
ce REV. D. R. WILLIAMSON.—Deep velvety crimson edged carmine.
c MRS. GEO. STEVENSON.—Sparkling bright yellow.
c STRAHLEIN KRONE.—Cardinal red; an old variety which still holds its own.

Decorative Varieties

ec MRS. C. W. BASSETT.—Clear deep pink; should be in every collection.
c GRAND DUKE ALEXIS.—Ivory white, tinged lavender, quilled petals.
c JACK ROSE.—Velvety crimson, early and free flowering.
c MME. VAN DEN DAEL.—Nymphæa pink, one of the best commercial sorts in our list.
ec MME. A. LUMIERE.—A strikingly beautiful flower, waxy white, each petal tipped violet red.
cc SOUV. DE GUSTAVE DOUZON.—Enormous flower, orange red.
e YELLOW COLOSSE.—Bright lemon yellow.

Show Varieties

A. D. LIVONI.—Rich clear pink; an old variety but still a favorite.
CHARLES LANIER.—Yellow amber.
CUBAN GIANT.—Dark crimson maroon.
FRANK SMITH.—Rich maroon tipped white.
PRINCESS VICTORIA.—Pure canary yellow.
STORM KING.—Pure white.
SOUV. DE MME. MOREAU.—Deep rich pink.

Dahlias in New England

By Wm. F. Turner

The season of 1910 has not been a particularly successful one in this section of the country as regards Dahlias, weather conditions being far from ideal. The weather has changed so constantly that the growers could not tell from one week to another whether they would have a respectable flower for any purpose. One day a field might look fine, the next would see flowers absolutely ruined, dampness one day making the blossoms soft and a boiling sun the next changing everything into a disgusting brown. This has been especially true of the more delicately colored varieties. The unusual amount of moisture has also caused an excess of foliage and a corresponding dearth of flowers. At this time we have plants ranging from 5 to 15 ft. in height, with miniature blossoms perched upon the tops; the higher they go the smaller the flower. To cap the climax, we were visited last week with a dry southwest gale which made a wreck of a large proportion of the fields; or, if left standing, the plants were so completely covered with dirt that it was a matter of wonder which end was planted, the roots or the foliage. Nevertheless, New Bedford growers were able to hold one of the finest exhibitions ever held in that city, and to make a name for themselves around the circuit.

The cut flower business has been very good and seems constantly on the increase. Florists do not care to handle the Dahlia, consequently growers are forced to sell their product from the field, and while this method limits the output, most of the growers seem well satisfied and are making a good profit from this source.

The year 1910 has done much to popularize the Single and Peony-flowered types, and it is safe to say they will soon be in the front rank both for garden decoration and for cutting, Queen Wilhelmina (Peony flowered) being in great demand. There seems to be a tendency among some Dahlia specialists to dump any flower with an open center into the Peony-flowered class, give it a high sounding name and send it out to dupe the unwary. But in spite of the fact that there is so much rubbish being put under this head there are many really first-class varieties, and anyone buying any of the following may rest assured they will not get disappointed: Andrew Carnegie, Bertha Von Suttner, Geisha, Germania, King Edward, Queen Wilhelmina and Garibaldi. There are, doubtless, many others, but these have come directly under our notice.

Of the older well-known varieties, we find the following best suited for both commercial and exhibition purposes, combining the two qualities: Among the Cactus varieties, Amos Perry, Aurora, Crepuscule, Faunus, J. H. Jackson, Master Carl, Phineas, Pink Pearl, Schwan, Stern, William Marshall. Decoratives: Delice, Jeanne Charmet, Kaiserin Augusta Victoria, Mme. Van den Dael, Le Geant, Ruth Forbes, and Lucy Fevrier. Shows: Charles Lanier, Dr. J. P. Kirkland, Esmond, Gold Medal, Gracchus, James Cocker, Meteor, Mrs. Roosevelt, Mme. Heine Furtado and W. W. Rawson. All these we find very satisfactory, as they may be used for any purpose and may be depended upon at all times.

For exhibition purposes only we would add, among the Cactus, the following: Clincher, Caradoc, Ivanhoe, Ianthe, Lucifer, Mrs. H. Shoesmith, Mrs. S. Gaskill, Nelson, Rev. Dr. Baker and T. G. Baker. Decoratives: La France, Mme. F. Mollard, Mlle. Helene Charvet, Gigantea and Souv. de Gustave Douzon.

Among the novelties we find some exceptionally good additions, the following being especially attractive to us:

e ADVANCE (Cactus).—Bright fiery scarlet, an immense flower.
c ARISTID GURTLER (Cactus).—Brilliant orange scarlet, a profuse bloomer.
c RENE CAYEUX (Cactus).—Rich ruby crimson; in habit resembling the well known Countess of Lonsdale.
c EMMY (Cactus).—A rich maroon, having the distinction among Cactus Dahlias of producing its flowers upright on strong stiff stems.
e ECLIPSE (Show).—A mammoth crimson, petals resembling Grand Duke Alexis; almost too large for decorative purposes.
c GOLDLAND (Cactus).—This should occupy a premier place among yellow varieties, can be cut in sprays, and keeps remarkably well.
cc YELLOW COLOSSE (Decorative).—A mammoth yellow, producing flowers as freely as A. D. Livont.



Rosea Superba—Decorative

cc LADY HELEN. (Single).—Pure yellow, with a delicate white stripe through the center of each petal.
ec COUNTESS OF KENMARE (Cactus).—Rich amber suffused salmon; fine.
e DOROTHY (Cactus).—Silvery pink with just a touch of white on the reverse.
e GONDOLA (Cactus).—Bright pink, very free.
e LADY FAIR (Cactus).—Primrose and soft pink with bi-furcated petals.
ce MME. HENRY CAYEUX (Cactus).—Bright pink with white tips; the best of its color.
ec PHENOMINIE (Decorative).—The finest novelty we have seen; soft shade of salmon with petals rolled at the tips.
ce SNOWDON (Cactus).—The finest white Dahlia and among the best of the Cactus varieties.
e WHITE LADY (Cactus).—Pure white on good stems, fine for cutting.
ce LAWINE (Cactus).—White, just tinted with pink; the best white for cutting.
e MME. HERRIOT (Peony).—Paper white, very large.
e MERCURY (Cactus).—Yellow ground heavily striped and speckled crimson; large, and one of the best exhibition varieties we have.
e LE GRAND MANITOU (Decorative).—Blush ground striped with crimson; a flower too heavy for cut flower purposes but very telling on the exhibition table.



Souv. de Gustave Douzon | Mrs. Roosevelt | Cuban Giant | Henry Patrick | Jean Charmet | Lyndhurst

Dahlias Staked and Grown to Single Stem for Outdoor Exhibition Purposes at Vincent's, White Marsh, Md.



1. Mme. Marze—Show
2. Jeanne Charmet—Decorative
3. Bertha Von Suttner—Decorative

cc F. GRINSTED (Decorative).—Deep yellow ground striped with a clear and effective red; very showy.

c FIREWORKS (Cactus).—Rich yellow striped with red; good stems.

Among the Singles we have not tried any new varieties except those of our own introduction, among which we might mention, as winners anywhere, Annie Keith, Sun Ray, an Improved Harvard, Opalescent, and Alice Stackpole.

We should like to know from growers what novelties have been dismal failures. While this information might not tend to build up trade, it would probably serve as a protection.

Dahlias in Rhode Island

By Alex. MacLellan

The past season has been a most favorable one for Dahlias. In a review of varieties we are forced to the conclusion that for ordinary commercial purposes the double Cactus sorts are the least useful—that is, where long-stemmed flowers are wanted. But, for dinner table decorations, where made-up pieces are used, there is a grace and refinement about them not found in any of the other types. For exhibition purposes they certainly stand first. For this reason they will come first in this review.

Red, Scarlet and Crimson Double Cactus Varieties

NOT A POOR ONE IN THE LOT

cc AMOS PERRY.—Scarlet; an old variety, yet one of the best.

c ARBONDAMA.—Free, fine scarlet.

c CHARLES H. CURTIS.—Light crimson; a grand flower of largest size. See illus.

c DR. G. G. GRAY.—Fiery Crimson scarlet; narrow florets; a beauty. See illus.

c T. MCQUADE.—A glowing crimson scarlet; extra large.

c FLAME.—A grand red.

c ADVANCE.—Scarlet reverse lake, which shows in the twist of the florets.

c J. C. NEWBERRY.—Crimson scarlet; large, of fine Cactus form.

c GREAT WESTERN.—Crimson, tips lighter; considered an improvement on Australia, which is also fine for exhibitions.

c THURINGIA.—Dark scarlet; narrow florets; large and fine.

c ALIGHT.—About the same shade as the last named but having heavier florets; is distinct in form.

c REV. ARTHUR HALL.—Ruby Crimson, lighter reverse; extra good.

c HENRI LEMOINE.—Light crimson; fine form.

c MR. KEEFE.—Crimson and scarlet.

Yellow Cactus Varieties

c GLORY OF WILTS.—A fine yellow tipped bronze. See illus.

c J. B. FRY.—Yellow shaded rose; floret tips split and forked. A large flower.

c BOSTON YELLOW.—A deep flower of medium size; long stiff stems; free. See illus.

c STERN.—A good yellow; free bloomer; flowers medium in size. See illus.

c BUTTERCUP.—A fine deep yellow.

c SOLIEL D'ITALIA.—Cream; narrow florets.

c AQUILLA.—A fine flower.

c RAYON D'OR.—Cream; large, good form.

c ARCADIA.—Light cream; very large and of fine form.

c LADY FAIR.—Cream; florets much cut; very distinct in form.

c DIRECTEUR QUENNEL.—Amber and white; extra large.

c MRS. SCRASE DICKENS.—A fine yellow, tips bronze in center of flower; formation almost coarse enough to allow it to be placed among the Decoratives.

Pink Cactus Varieties

cc MME. HENRI CAYEUX.—Pink with white tips; straight needle-like florets.

c COUNTESS OF MALMESEDRY.—A larger flower than the last named; of the same shade of pink; florets incurving.

cc MARATHON.—A shade of rose pink and yellow; form distinct; has long stiff stems. An 8" flower. See illus.

c GONDOLA.—Rosy pink; largest size. See illus.

cc MRS. WM. MARSHALL.—A delicate shade of light pink.

c DELICATISSIMA.—Pale pink; beautiful.

c C. E. WILKINS.—Salmon pink; narrow florets; a beauty.

c AURORA.—A pleasing combination of pink and and yellow; fine incurving form.

c THUSNELDA.—Soft pink, yellow at base of florets; a large flower.

c REV. ARTHUR BRIDGE.—Rose pink, base of florets yellow, long, narrow florets.

c MRS. STRANACK GASKILL.—On the same order as the last named; both being grand exhibition sorts.



Giant Single Dahlia The Bride

Awarded First-Class Certificate of Merit, Newport Horticultural Society Show, Sept. 17, 1910.

Raised by James Robertson.

c KRIEMHILDE.—Of the same order as Mme. Henri Cayeux but, owing to its greater freedom of bloom, although old, is superior to the latter for commercial purposes.

White Cactus Varieties

c SNOWSTORM.—A large pure white of fine form. Took first place wherever exhibited the past season. See illus.

cc SNOWDEN.—Claimed by some to be superior to the previous named. See illus.

c SNOWDRIFT.—A fine white, long narrow florets.

c HILDA.—A large deep flower.

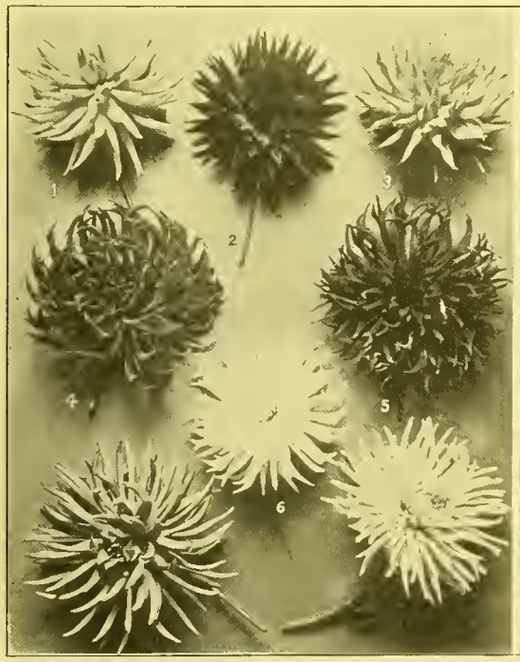
c WHITE SWAN.—A fine exhibition bloom.

c SCHWAN.—Medium size; of fine build and very free. See illus.

c YVONNE CAYEUX.—A fine white but not free enough to entitle it to the *c* mark.

c THE BRIDE.—Medium size; free.

c FLORENCE M. STREDWICK.—Another good free blooming white with flowers of medium size.



CACTUS VARIETIES

1. Stern
2. Rene Cayeux
3. Boston Yellow
4. Chas. H. Curtis
5. Dr. G. G. Gray
6. Schwan



PEONY-FLOWERED VARIETIES

1. Queen Wilhelmina
2. Duke Henry
3. King Leopold
4. Schneewittchen
5. H. Hornsveld
6. Geisha



CACTUS VARIETIES

1. Snowstorm
2. Snowden
3. Gondola
4. Marathon
5. Glory of Wilts



Dahlia Delice—Decorative

c SPOTLESS QUEEN.—Old, but a very free bloomer; flowers only medium.
e FAIRY.—Pure white; very narrow florets.

Off Shade Cactus Varieties

e FURST PUCKLER.—Nasturtium red and yellow.
e MRS. EMERSON.—Light yellow striped and splashed red; a large, deep flower.
e DIAVOLO.—Crimson and dark yellow.
e MERCURY.—Yellow and red.
e ELATE.—Lilac.
e YOLANDA.—Lilac; good size.
e LYDIA.—Rose pink, large white eye; beautiful.
c CRESPY.—Pale heliotrope; fine for funeral work.
e CLINCHER.—Heliotrope, white eye; extra large flower.
e IVERNIA.—Rosy salmon, an 8" flower.
e MRS. T. WILLIS.—Between lilac and rose; large.
c MRS. C. SCOTT.—Orange.

Decorative Varieties

cc MME. MARZE.—Pure white; large, free bloomer. This is a Show but have placed it with the Decorative. See top illus. in that class.
cc KAISERIN AUGUSTA VICTORIA.—The best white of this class. The most floriferous Dahlia in cultivation.
cc MME. VAN DEN DAEL.—White flushed pink; extra good.
cc JEANNE CHARMET.—Rose pink; very free. See illus.
cc BERTHA VON SUTTNER.—Introduced as a Peony-flowered but has entirely lost that character, now coming full and double; for that reason we place it with the Decoratives, where it rightfully belongs. The color is salmon pink; in size it is nearly 9" when well grown. See illus.
c FIREBURST.—A large red but not equal in color to Catherine Duer.
cc CATHERINE DUER.—Our best red in this class for all purposes.
cc YELLOW COLOSSE.—A beauty.
c SOUV. DE GUSTAVE DOUZON.—Dull red; immense size.

Peony-flowered Varieties

cc QUEEN WILHELMINA.—White. See illus.
cc DUKE HENRY.—Fine red. See illus.
cc KING LEOPOLD.—Light yellow.
cc SCHNEEWITTCHEN.—Pure white. See illus.
c H. HORNSVELD.—Salmon. See illus.
cc GEISHA.—The grandest novelty of the lot; a 9" flower; color red and yellow. A great acquisition. See illus.

The Bride—(See illus.) An undisseminated new variety; a white with just a little cream in its composition; is the best ever seen in this section. The flowers are very large, borne on fine long stiff stems, equal to Lilies for decorative purposes. This variety is in the hands of its originator, James Robertson, the same raiser who gave us in this class Newport Beauty and Imperialiano; he has several others which will be placed on the market later. Not many of the named varieties of singles are grown here outside of those named and some of the Centurys, most of the growers having varieties of their own raising.

In making up my lists of double Cactus varieties I have been given every facility to examine and compare those at Edwin S. Manuel's gardens and, as he has over 1000 varieties under cultivation, I wish here to express my obligation to him. As there are so many good varieties it has been a task to keep the lists down.

[Samples of about thirty varieties of Dahlia blooms received at this office from Edwin S. Manuel, Newport, R. I., are of great merit and beauty. All except one of these blooms belong to the Cactus class. Of the Cactus varieties the following are especially noteworthy: Great Western, crimson; Furst Puckler, Nasturtium red and yellow; Glory of Wilts, a splendid large yellow tipped slightly with bronze; Snowstorm, a large pure white of elegant form; Marathon, rose pink and yellow, very handsome; T. McQuade, a large bright crimson scarlet. The one Decorative sent, namely Beloit, was a very large well formed deep red.—ED.]



Dahlia Clifford W. Bruton—Decorative

Dahlia Notes

By G. W. Kerr

As I write these few notes this glorious late Summer and early Fall flower is at its zenith, and with the passing of our Summer blooming plants it is now holding supreme sway. A few weeks ago one would have thought by the appearance of the plants that the Dahlia season would this year be an extremely poor one, but since then the rains and cooler conditions have brought the plants along with a rush, with the result that in many gardens they are now as fine as I have ever seen them.

As this is one of my favorite flowers, it gives me great pleasure to observe the increasing interest that is now being taken in the Dahlia by professionals and amateurs alike, especially in the raising of new varieties, and importing the best foreign novelties; undoubtedly, our lists wanted improving, more particularly in the exhibition Cactus section. Now, however, there is such a plethora of magnificent sorts that, to the uninitiated, the choosing of the best is an extremely difficult matter if we go by catalog description only; and the pity of it is that so many of our finest exhibition varieties are practically of little use for garden decoration or cutting purposes on account of their weak flower stems, and extra disbudding and thinning out of laterals only tends to accentuate the fault; therefore, in compiling the following lists, I have, to the best of my knowledge, noted any peculiarity inherent in a variety.

Although such great strides have been made within the last few years in the improvement of the Cactus type, such cannot be said of the old florist's favorites, the double Show and Fancies, as many of those introduced in the seventies and eighties of the past century are still unsurpassed by the present day novelties, and if I were only growing twelve varieties of "Shows" for exhibition purposes my selection would be: Arthur Rawlings, deep crimson, ideal form; Daniel Cornish, terra cotta of reddish shade; Duchess of York, lemon with salmon pink edge; Gracchus, orange buff, good size and form; John Walker, still the best white, introduced in 1892; J. T. West, yellow shaded purple, introduced in 1887; Miss Cannell, cream edged and suffused crimson, introduced in 1881; Mrs. Gladstone, blush, introduced in 1884 and still one of the very best; Perfection, large orange buff, introduced in 1889; R. T. Rawlings, beautiful clear yellow; Warrior, bright scarlet, form and color good; William Rawlings, purple, introduced in 1881. If size was wanted at the expense of "form" the two following might be added: Gloire de Lyon, the largest pure white, and Esmond, an immense clear yellow, the two giants of the double Show section.

In the double Fancy varieties there are still none to surpass Duchess of Albany, large, orange and crimson, introduced in 1884; Goldsmith, yellow with crimson



Dahlia Duc d'Orleans—Decorative



Dahlia Catherine Duer—Decorative



Dahlia General French—Decorative



Dahlia Mme. A. Lumiere—Decorative



Dahlia Henry Patrick—Decorative
W. Atlee Burpee & Co., Phila.

stripes; Mrs. John Downie, orange striped scarlet; Mrs. Saunders, yellow with white tips, introduced in 1872; Rev. J. B. M. Camm, yellow striped red, introduced in 1873, and probably the most perfect Fancy in cultivation; Peacock, maroon tipped with white, introduced in 1877.

Undoubtedly the foregoing are unsurpassed for the exhibition table, and the majority are also unexcelled for garden decoration work; but for cut flower purposes, especially where wanted in large quantities of one color, the following are "up to date," and the best in the section: A. D. Livoni, deep clear pink of medium size, early; Arabella, primrose shaded rose, an early and continuous bloomer; White Dandy, a pure snow white of medium size; Princess Victoria, and Queen Victoria, the best bright Show yellows for cutting; Bon Ton, a fine bright crimson; Emily, white and soft pink, exceedingly chaste and beautiful.

While on the subject of "cutting" varieties, suitable for the market grower, it must be conceded that the Decoratives are the flowers *par excellence* for this purpose. They are, on the whole, the freest bloomers, flowers produced on good, stiff, long stems—though, of course, disbudding plays an important part in any of the sections with regard to stem—and in most instances first class shippers. As a pure snow white, Henry Patrick, when well done, is still unsurpassed for florist's work. It blooms freely, is early and is a great keeper. Other good white Decoratives are found in Kaiserin Augusta Victoria, an exceptionally free bloomer; Perle de la Tête d'Or, a large white with cut petals, but a little soft early in the season; Flora, a fine large white, inclined to be soft, catalogued by some firms as a Cactus, but much too heavy in the petal to be placed in that section.

Among pink Decoratives the following are all first-class: Mrs. J. G. Cassatt, a new rose pink, varies a little on some soils and with the season, but is always lovely and bound to become a great favorite; Virginia Maule, beautiful soft shell pink, very free flowering and always good; Nymphæa; Sylvia; and Delice.

In yellow Decoratives, C. W. Brnton and Mrs. Charles Turner are free and continuous bloomers; Master Carl, a yellowish buff or orange salmon is extra fine, the color good and the flowers of large size. The latter variety is listed by some as a Cactus, but it is too broad in petal and heavy to be included in the true Cactus class. Of the scarlets and crimsons, Lyndhurst and William Agnew are still the best, and Jack Rose is decidedly an acquisition in the deep crimson section.

A set that has become very popular, the roots of which are always in demand, are what I might term the "Giant Decoratives," this class being headed by Souvenir de Gustave Douzon, an enormous orange-red flower, very floriferous, but the flower stems are sometimes rather weak; Jeanne Charmet, pinkish-lilac and white; Madame van den Dael, beautiful silvery-pink; Mammoth, bright scarlet, very large; Commandant Rivoire, crimson purple with white tips; Source de Feu, deep orange and vermilion. This type is being added to every year but the foregoing are the best that I have so far come across.

The rapid progress made in the improvement of the Cactus varieties within the last few years has been the great factor, undoubtedly, in bringing the Dahlia to its present day popularity; and who would have imagined that such exquisite forms as C. E. Wilkins or Rev. A. Bridge could have been evolved from the original—at that time, so-called, Cactus variety—Juarezii or from Mrs. Hawkins. Cochineal or Constance! Yet that evolution has been effected by the persistent efforts of hybridizers, and now we have a race of Cactus Dahlias which rivals the finest Japanese Chrysanthemums, and so far as color is considered, quite surpasses them.

I have culled the following sorts from the enormous lists of Cactus varieties that are being offered, as from notes made among the growers and my own personal experience I have proved them to be the cream of those now in commerce. Best for exhibition: C. E. Wilkins, salmon pink and yellow; Rev. A. Bridge, clear yellow, tipped rose pink; Flag of Truce, a very fine petaled white; Cockatoo, buff yellow and white, varies but is always good; Crepuscule, orange and amber buff, large and fine; H. Shoesmith, glowing crimson, long narrow petals; J. H. Jackson, a comparatively old variety but yet the best dark maroon;



Dahlia Perle de la Tête d'Or—Decorative
W. Atlee Burpee & Co., Phila.

Mrs. Geo. Stevenson, fine clear yellow; Mrs. H. Shoesmith, pure white; Mrs. Macmillan, incurving, white center graduating to deep pink, large and fine; Nelson, rich crimson, very long petals, rather weak stem; William Marshall, rich deep orange with yellow center, incurving, very large, a glorious flower, but with pendant stem; Thomas Parkin, light terra-cotta, long petals, very fine flower, dwarf habit; Thomas Wilson, soft reddish fawn suffused amber, large and fine raking petals; Advance, an enormous flower of fine form, fiery scarlet, incurving; Countess Kenmare, fawn, very large; Clincher, heliotrope, large; Hamlet, bright red, large; Imperial, reddish carmine, monster size; Phineas, crimson. The last six varieties are all of extra large size, and are magnificent examples of the Cactus type but have weak flower stems.

The following, on account of their stiff erect flower stems, have been proved to be the best of the true Cactus type for cutting purposes or garden decoration: Dainty, yellow and rose pink; Eva, pure white; Floradora, dark crimson; Fred Cobbold, scarlet; Gladiator, orange red and yellow; H. F. Robertson, clear yellow; Ibis, bright



Dahlia H. J. Jones—Caetus



Dahlia Mrs. H. J. Jones—Cactus



Dahlia Ringdove—Cactus



Dahlia Sensation—Double Century

orange; Amos Perry, vivid crimson, extra free, early and good; Mrs. T. G. Baker, rich deep orange, very free; Peace, pure white, small; Sweet Nell, clear pale pink; Mrs. H. J. Jones, scarlet edged white; Perlehilde, pink; Standard Bearer, scarlet; The Pilot, yellow and deep orange; Kriemhilde, rose pink; W. F. Balding, yellow shaded orange; Yellow Prince, yellow.

I have often wondered why florists did not grow more of the Pompon varieties than they do, they are so very floriferous and keep so well in a cut state, I am certain that such sorts as the undernoted would be found most profitable, and all are well adapted for garden decoration: Violet, white; Bacchus, scarlet; Edith Bryant, yellow and crimson; Emily Hopper, yellow; Nerissa, silvery rose; Queen of the Whites; Silvia, white and rose; Sunny Daybreak, apricot and red; The Duke, crimson; Iris, amber and fawn.

In looking over the report of the Massachusetts Horticultural Society's Show, I observe that in the class of twenty-four Peony-flowered varieties seventeen of those mentioned in the first prize lot were all "children of my own," they being varieties which I marked in their seedling year while located in England, and have since been disseminated by the firm with whom I was then associated.

The advent of the Peony-flowered type was met with jibes and jeers from the older florists, the usual remark being: "Why, I have been flinging similar rubbish out of my seedling beds every year"—but the ladies fancied them, and 'nough said. Not even the Cactus type made a footing so quickly in public favor as did this new form. Their merits are many, being very free-flowering, flowers produced clear above the foliage on long stems, colors good, and for bold decorative work in association with Autumn foliage I know of no flower that can surpass them. The following are all first-class: Baron G. de Grancy, creamy white; Codsall Gem, deep yellow; Duke Henry, soft dark red; Glory of Baarn, soft pink; Countess of Lonsdale, crimson maroon; Lady K. Drummond, yellow shaded buff; Mrs. Allister Gilroy, rosy lilac; Mrs. A. McKellar, terra-cotta and salmon; Mrs. W. Kerr, pale pink suffused rose and lemon; W. H. Morter, scarlet and gold; Paul Kruger, rosy red flushed white; Queen Emma, salmon suffused lavender; King Leopold, sulphur yellow.

The Single Dahlia has never been taken up as the other forms have, and yet if only cut before the stamens ripen, or just when the outer row of stamens are showing, they make wonderfully good shippers, and no other type is so free blooming. When visiting a south Jersey Dahlia grower a few days ago, he was cutting singles by the thousands, and very fine they were, the varieties grown being all of the Century types; he informed me that the demand for them was much greater than the supply.

Might I sound a warning as to propagation? Doubtless it is stale news, yet this is the time to remind growers that all plants of the double-flowered types that should have come consistently throughout the season with open centers should not be held over to propagate from; get them marked at once ere frosts should hide their deformities, and dump them in the rubbish heap.

THE ADVTS. IN THE FLORISTS' EXCHANGE are ALWAYS read.

The circular generally goes into the waste basket WITHOUT BEING READ.

Dahlias, Old and New

By N. Allen Lindsey, Marblehead, Mass.
Editor Dahlia News

Because of its long season of bloom and wide range of form and color the Dahlia has taken firm hold upon the appreciations of the plain people. It is truly the Queen of Autumn. When other flowers are waning and the nights are getting cool it is at its best. It brightens both the cottage garden and the grand estate. Planted in bold groups of a single color upon the lawn or at the edge of shrubbery it is most effective; or, propagated from cuttings and grown in pots, it is fine for interior decoration. For florists' use its possibilities have scarcely been touched.

Speaking of the blooming season, let me clear up a misapprehension. It has been said that in the North there is danger of the plants being cut down by frost before they have had a chance to bloom. This may be so, but it must be in very high latitudes indeed. In my own garden, near Boston, I had plenty of flowers in mid-July and a month later I saw plenty of them in various parts of the White Mountain region of New Hampshire. Most Dahlias ought to flower in ten weeks after planting the tubers and many in much less time than that. I have frequently grown blooming plants from seed in a single season.

Some horticulturists have frowned upon the Dahlia because of the ease with which new varieties can be produced and put into commerce, and there are grounds for



Dahlia White Century

such criticism; but it should be remembered that this very fault has a sunny side, for is it not the constant introduction of new varieties that lends zest to Dahlia culture and entices more and more people each year into its sphere of influence? And is not the cultivation of the Dahlia very often the avenue by which many are first led to know the affluent delights of the garden craft?

It was precisely to control the needless duplication of varieties that the New England Dahlia Society was formed, in 1906. National in scope and intention, if local in name, its growth has been prodigious. At present writing it numbers several hundred Dahlia enthusiasts in all parts of our country and even abroad. It is not a trade association, neither is it intended to make money. Its announced purposes are: "To promote the culture and development of the Dahlia, to accurately determine the several classes thereof, to disseminate information and to secure uniformity in awarding prizes at the various flower shows, to establish a standard nomenclature, and to award recognition to new varieties of sterling merit." While it may not have accomplished all these praiseworthy ideals it has done much. The average high quality of the 1910 show just held in the city of Boston has been especially gratifying.

Perhaps a brief review of the Dahlia's history may not be amiss.

Its renewed popularity began with the introduction of the first Cactus specimens about thirty years ago. There had been at least two other Dahlia periods, the first following the first introduction of the plant, about the year 1800; the second about the year 1830, when it again became the rage, as the horticultural journals of that time and their elaborately colored plates bear witness. Note the difference, however; the first enthusiasm pertained to an eight-rayed stellate flower having a conspicuous disk; the latter to a massive many-petaled bloom with no disk at all—a wonderful triumph of the gardener's art. The renowned Sir Joseph Paxton of England expressed the ideals of his country and time by his dictum that an exhibition Dahlia ought to be a perfect hemisphere. It was—and more.

It is easy now to understand how such faultless regularity, such heavily-molded splendor, came to pall upon the popular taste. Not even the brilliance and variety of the color could atone for the obvious lack of delicacy and of grace. The craze was a long time in dying, but it died. It is a melancholy fact that of the hundreds of named varieties extant in the thirties few or none remain, notwithstanding that there have always been ardent admirers and votaries of the flower.

English growers, who carried the development of the old formal type of Dahlias to its greatest height, divided them into two classes. The self-colored varieties they called "Show"; the variegated sorts and those tipped with a lighter color they termed "Fancy." However, light-colored sorts with darker tips were, oddly enough included among the "Shows." These highly artificial distinctions, dear to the British exhibition tables, our New England Dahlia Society was the first to upset. The absurdity is readily apprehended by any one who has noted that occasionally Show and Fancy sorts are both found blooming together on the same plant.

Of course these big round Dahlias, many of them with short stems, could have little value for cutting. But development had been proceeding along other lines and the Liliputian or Pompon Dahlia came to the front. These are the big fellows in miniature, just as round, just as regular, just as perfect as the others and, at the present time, just as much out of vogue. They have a certain value for bouquet work and are really fine and pretty in their way. They also have the merit of never having been separated into "Show" and "Fancy," like the others—at least not to the writer's knowledge.

When the Cactus Dahlia (absurd name!) burst upon the floral world it was a brand new thing. It is still an open question, perhaps, whether it be a different species or merely a variety of the old variabilis. No matter! It was a novelty and it took. The old Dahlia men looked upon it askance for awhile and pronounced it no Dahlia at all, but a host of new admirers entered the field and spread its fame far and wide. Its lightness and brightness were much praised and the many kinds and colors long ago overran all bounds of reason. Note the difference between the original Juarezii and such a ragged, Chrysanthemum-like flower as Lady Fair, a remarkable variety of the present time. The imperative need in Cactus Dahlias would seem to be a set of long-stemmed varieties of good substance that will last well after being cut; there are not many such yet.

The "Decorative" Dahlias in part supply this lack. These are loose, open flowers that have followed the Cactus Dahlia into favor and are obviously (most of them, at least), a new race of seedlings from the older Show and Fancy sorts. There are recent American introductions of value but, generally speaking, the names proclaim a French origin. There was a time when any bloom that had a



Dahlia Lyndhurst—Decorative



Dahlia Master Carl—Cactus—Massive Foliage

remote resemblance to a Cactus Dahlia was carelessly classed as such. We discriminate better, now.

The word "Decorative" may not seem especially descriptive, but it serves to point out a class of much elegance and value. Many of the varieties have rigid stems of good length and the flowers are erect and bold. Moreover, they are inclined to last well after being cut. It must be confessed, however, that some of them are shy bloomers, yet, on the other hand, many are quite free. Florists seeking good Dahlia material ought to find among the Decoratives what, elsewhere, they look for in vain.

In this connection it may be well to note that English growers, with characteristic conservatism, seem oblivious to the merits of this desirable class. Indeed, few Dahlias not of British origin find any place in their catalogs or upon their exhibition tables. Americans are, however, hospitable to whatever is good wherever found.

Just a word about Single Dahlias, which are light, airy and graceful, and make the daintiest sort of vase decoration. There is a considerable list of well-known English varieties, and there is a class of large singles (Twentieth Century, etc.), which are quite distinct. From a commercial point of view there is not much to be said about either, as yet.

This rapid survey of the Dahlia world would not be complete without some mention of the Holland Peony-flowered sorts which have recently achieved prominence. The few original varieties had several rows of florets loosely arranged about a frankly conspicuous center. The big flowers were held high on long, straight stems. As a reaction against the rigidly formal old-fashioned type, and the pointed perfection of the modern Cactus, they may have some excuse for their being. Great artistic merit has been ascribed to them and, perhaps, deservedly so. But one thing must be said—every coarse semi-double seedling is not to be considered a Peony-flowered Dahlia. There is too much rubbish masquerading under that name.

I have attempted to present a list of varieties of ascertained merit in the more prominent classes. I do so with reluctance, knowing full well that any such list is largely a matter of individual preference and that no two people would agree as to just what such a list ought to contain. Nevertheless, within limits, it may have value, and I venture the following as perhaps in some degree representative, having special reference to the needs of florists and dealers in cut flowers.

The letter *c* designates sorts having commercial possibilities; the letter *e* refers more particularly to the kinds better adapted for purposes of exhibition.

The Best Reds

e SIRDAR (Show).—Deep crimson; large and fine.

e DANIEL CORNISH (Show).—Terra cotta; good size.

cc SOUVENIR DE GUSTAVE DOUZON (Decorative).—Scarlet deepened at the center. A sensational flower, frequently nine inches in diameter. Very free and early. A bit coarse, perhaps, but most effective.

c JUMBO (Decorative).—Deep crimson; long, stout stems; very free blooming. One of the older varieties, but good always. Extremely early.

c CATHERINE DUER (Decorative).—Deep glowing red; a large flower held erect on a long stem. Fine for cutting. Sometimes called "the Newport Dahlia."

cc PAPA CHARMET (Decorative).—Dark velvety red, almost maroon. An erect, open and striking flower. Not particularly free, but a beauty.

c ADVANCE (Cactus).—Scarlet touched with yellow at the base. Large and incurved. An abundant bloomer but the flowers bend down.

c OLIVER TWIST (Cactus).—Crimson scarlet. Good size and much incurved.

c LUSTRE (Cactus).—Rich crimson deepening to maroon at the center. A typical pointed Cactus and always in perfect form.

c ALIGHT (Cactus).—Clear bright red approaching orange scarlet. An especially refined and well built flower with florets long and slender; good stem.

The Best Yellows

c ESMOND (Show).—Plants are tall with giant canary yellow blooms held aloft on long stems.

c THOMAS PENDERED (Show).—Plants quite dwarf. Flowers yellow; large and solid.

cc YELLOW COLOSSE (Decorative).—Clear yellow; very perfect blooms on good stems. Bears little resemblance to the red Dahlia known as Le Colosse.

c CARADOC (Cactus).—Probably the best yellow of its class. Florets long, narrow and pointed and slightly incurving. Free bloomer. Fair stem.

The Best Pinks

c A. D. LIVONI (Show).—Soft pink. One of the few Show Dahlias of this color, most of them having a rosy purple tinge. Well built blooms of medium size Good for cutting. Not new.

e MRS. GLADSTONE (Show).—Pale blush, exquisite in its way. Introduced in 1884 and even now staged more than any Show Dahlia at the English exhibitions. Large, regular and full.

c MME. VAN DEN DAEL (Decorative).—Soft rose and white with a hint of buff at the center, suggesting a Water Lily. A large loose flower of marked elegance. Good for cutting.



Dahlia Souv. de Mme. Moreau Show

c JEANNE CHARMET (Decorative).—Pale pink approaching white, frequently splashed and edged faint lilac. Immense blooms on long stiff stems.

c DELICE (Decorative).—Bright glowing pink, remarkably pure and good. Attractive flowers lifted clear of the foliage on robust stems. One of the most satisfactory Dahlias grown.

c PINK PEARL (Cactus).—Another beauty; rich pink in color, tips of the florets almost white, silvery pink at the center. Medium size. One of the Cactus varieties best adapted for cutting.

c MME. HENRI CAYEUX (Cactus).—Exquisitely pink, the long narrow florets shading pale at the points. Good in all respects and one of the most beautiful Cactus yet introduced.

The Best Whites

cc DIAMENT (Show).—Pure white. Perfect in form and substance.

e MME. HEINE FURTADO (Show).—Like a big snowball when well grown. Faultlessly round and regular.

c HENRY PATRICK (Decorative).—One of the older whites in this class, still highly valued for cutting.

c KAISERIN AUGUSTA VICTORIA (Decorative).—Large white blooms, produced throughout the season in abundance. Flowers are borne on long stout stems. Plants very dwarf.

c DREER'S WHITE (Show).—The most lovely white of recent introduction. Large quilled flowers after the manner of Grand Duke Alexis, but having longer stems.

c LAWINE (Cactus).—One of the few pure whites in this class which afford a reliable quantity of bloom. Rather lacking in substance, perhaps.

The Best Purples and Maroons

c JAMES COCKER (Show).—Large purple. Good in form; large and constant.

e JAMES SERVICE (Show).—Dark crimson maroon. An old standby.

c BLACK PRINCE (Decorative).—Deep maroon almost black. Attractive in form. Rather scarce.

c J. H. JACKSON (Cactus).—Very deep maroon. Large striking flowers of the best Cactus shape.

The Best Buffs and Salmons

c GRACCHUS (Show).—Orange buff; full, regular and perfect.

c DR. KEYNES (Show).—Reddish buff. Reliable and free.

e SANTA CRUZ (Decorative).—Beautifully blended tints of pink and buff. A bold flower of much merit. Of California origin.

c FAUNUS (Cactus).—Salmon buff, bright and glowing. Florets long, narrow and incurved. A reliable bloomer.

c CREPUSCULE (Cactus).—Pale yellow florets shading into warm buff. Fine in shape, large in size. Early, constant and free.

c COUNTESS OF LONSDALE (Cactus).—Salmon, growing paler toward Fall. An early and late bloomer, never throwing an imperfect flower.

The Best Variegated

c GOLD MEDAL (Show).—Canary yellow striped and splashed deep red. Variable in coloring. Distinct and good.

c FRANK SMITH (Show).—Maroon, tipped pink or white. An old favorite that has never been superseded.

c MME. LOUIS PERRIER (Decorative).—Carmine edged white. Unique and striking. Medium size flowers on long stems.

c GEISHA (Peony-flowered).—Orange red and yellow. A loosely built flower of enormous size and striking appearance.

c W. W. RAWSON (Decorative).—White softly tinged and tipped with lavender. Immense flowers, quilled at the center and borne on erect stems. An American seedling of undoubted merit.

Growing Exhibition Dahlias

By W. D. Hathaway

The Dahlia season this year has been a very successful one with me. My plants in the yard, about 1200, never did better. I tried a new way of planting this year and found it works the best of any tried yet. I do not believe in early planting, as the ground is cold and by the time the plants get up and ready to blossom they have made a woody growth and cannot throw a large flower. I prepared my ground by spreading on a thin coating of cow manure, and began to plant on May 30, finishing July 1. When the plants came up I had about 200 of them cut by cut worms. I planted some more and put paper cones around them and was not troubled any more. When the plants began to bud, I started to feed them, and every two weeks through the season I gave them a dose of muriate of potash, cultivating every week; and by not giving them very much food when planted and feeding them only as they grew I got the finest and largest flowers I ever raised. Most of the Dahlia growers are afraid to cultivate which is a most essential thing, and by neglecting this they make a mistake, as by cultivating one can't help getting good blossoms. If the plants are inclined to go to foliage it is the white fly; use Whale Oil Soap for a spray.

The most successful 1909-1910 varieties were: Rev. T. W. Jamison, Marathon, Snowstorm, Snowdon, Caradoc, Glory of Wilts, Mercenes, Dorothy, Mercury, C. E. Wilkins, in Cactus; Mont Blanc in Decoratives; Lady K. Drummond, Lady Saville, Countess of Lonsdale, Col. J.



Dahlia Souv. de Gustave Douzon—Decorative

St. G. Wolseley, Hon. Mrs. Howard, and Lady Cleeve in Peony Flowered; and Surpasse, Colosse and Mme. Marika Anagnostaki in Shows.

The following list is of some of the best exhibition varieties with which I have had great success:

CACTUS VARIETIES

Reds

e ADVANCE.—Bright scarlet, yellow at base; extra large flowers.
ec IGNEA.—Clear scarlet, exhibition size.
e MISS. LENA ASHWELL.—Tomato red, with amber shadings; immense size.
e MONSIEUR GUSTAVE BEEA.—Red shaded yellowish copper; very large.
e LUCIFER.—Deep orange red, long incurved florets; early.
ee DREADNOUGHT.—Glowing crimson, deepening to maroon in center; great size.

Yellows

e ARMIGO.—Lemon yellow, good size, long petals.
ec CREPUSCULE.—Yellow shading to amber yellow.
g COCKATOO.—Lemon yellow, white, and pinkish amber.
eg FAUNUS.—Soft yellowish buff tipped salmon.
eg GOLIATH.—Yellow and salmon; very large.
e H. J. JONES.—Primrose, shading to the sweetest rosy pink.
e T. G. BAKER.—Yellow of the largest size.
e WM. MARSHALL.—Rich orange with bright yellow in center.
e CARADOC.—Yellow, long incurved petals; very good.
eg GLORY OF WILTS.—The best yellow yet grown for exhibition and garden.

Pinks

e CLINCHER.—Lavender pink; never should be left out of an exhibition.
e C. E. WILKINS.—An exquisite shade of bright, clear salmon pink overlaying yellow.
e DOROTHY.—Lovely silvery pink, well formed, good habit.
eg MME. HENRI CAYEUX.—Rich pink heavily tipped white; this is one of the finest Cactus Dahlias yet introduced.

Whites

eg SNOWDON.—Large, pure white variety, long florets; fine for exhibition.
eg SNOWSTORM.—Very large pure white, incurved; extra large, the best white ever grown for exhibition purposes.

Other Varieties

e MALCOLM H. RICHARDSON.—Yellow base shading to amber tipped scarlet, often 8″ across.
eg REV. T. W. JAMISON.—Lilac rose, tipped yellow, long stiff stems; one of the very best.
eg MRS. WALTER BAXTER.—Deep rich crimson, shaded magenta; long, fine twisted petals; very large.
eg MERCURY.—Fancy Cactus; ground color deep yellow at the base to lighter at tips, thickly splashed and speckled crimson, very much incurved.

DECORATIVE VARIETIES

Reds

eg BEAUTE LYONAISE.—Red edged white; grand flower.
e COMMANDANT RIVOIRE.—Purple red, white tips; fine.
e LA COLOSSE.—A gigantic flower of a reddish color.
eg LE GEANT.—Flowers enormous, of a nice dark velvety red.
eg LE GRAND MANITOU.—Very large, color violet red and white.
e PAPA CHARMET.—Brilliant coral red, overlaid crimson maroon.

Yellows

e JOHN R. BALDWIN.—Yellow buff, suffused with red.
eg LOUIS HARIOT.—Lemon-yellow, gigantic in size.
e MME. MARY COLLETT.—Copper color, changing to shades of golden yellow.
eg MME. VICTOR VASSIER.—Bright clear yellow, very large flower.
eg SANTA CRUZ.—Clear canary yellow, tipped carmine.
eg YELLOW COLOSSE.—Brightest yellow, the best yellow for garden and exhibition purposes.

Pinks

eg DELICE.—Bright pink suffused with lavender pink.
e ESMERALDA.—White ground shaded and tipped with violet pink.
eg JEANNE CHARMET.—Pink and lilac pink, very free.
eg LA FRANCE.—Brilliant rose pink; stiff stem.
e LUCY FEVRIER.—Rich rose pink, long stems, one of the best for the exhibition board.
eg MME. VAN DEN DAEL.—Soft rose, shading to white in the center.
eg MRS. ROOSEVELT.—Delicate silvery rose, very free bloomer.
e VILLE DE LYON.—Very large white, flushed pink.

Whites

e MLLE. HELENE CHARMET.—Pure white, florets of enormous width.
eg MLLE. MARGARITE DESBLANC.—White flower with cream center.
eg MME. MARZE.—Very large, beautiful pure white flower.

Other Colors

e PROF. MANSFIELD.—Fancy Dahlia, yellow, white and rosy-red. Extra large.
e MONSIEUR BUREL.—Apricot yellow, with darker center.
e GABRIEL DELOON.—Velvety blackish maroon; large.

PEONY-FLOWERED DAHLIAS

Reds

eg COUNTESS OF LONSDALE.—Deep crimson maroon.
eg HON. MRS. HOWARD.—Bright crimson, shaded maroon.
eg MRS. A. WORSEY.—Rich deep crimson, very large.

Yellows

eg CODSALL GEM.—Deep yellow with primrose tips.
eg LADY K. DRUMMOND.—Yellow, tipped buff, shaded salmon.

Pinks

eg MRS. W. KERR.—A pale pink, suffused rose.
eg MISS G. KEELING.—Pale pink, prettily shaded lilac.

Whites

eg BARON DE GRANCY.—Beautiful white.
eg MRS. T. G. BAKER.—An immense pure white.
eg LADY MURIEL PAGET.—Pure white of distinct habit.

Other Varieties

eg LADY SAVILLE.—Rich orange scarlet, petals tipped buff.
eg LADY CLEEVE.—A beautiful shade of yellow, tinged with pale mauve.
eg MRS. W. E. WHINERAY.—Rosy-lilac with yellow at base of petals.
eg COL. J. ST. G. WOLSLEY.—A rosy-lilac with the points of petals almost white.
eg MRS. G. DRUMMOND.—Apricot, suffused with salmon.

SHOW AND FANCY DAHLIAS

Reds

eg FLACHARD.—Intense red, splendid variety.
eg GLOIRE DE PARIS.—Deep red shading to purple tips; enormous.
eg PLEASANCE.—Bright crimson scarlet; fine variety.
eg SURPASSE COLOSSE.—Scarlet-carmine; flowers extra large.
eg W. H. WILLIAMS.—Brilliant scarlet, large flowers.

Yellows

eg ESMOND.—The best yellow for exhibition and garden.
eg GRACCHUS.—Bright orange buff, one of the best.
e JOHN N. KEYNES.—A grand yellow.
eg MURIEL.—Large clear yellow.
eg MURIEL HOBBS.—Soft lemon yellow.

Pinks

e CHIEFTAIN.—Purplish pink; splendid form.
e MME. MARIKA ANAGNOSTAKI.—White ground, pink edge; very large.
g PINK DANDY.—A good pink.



Dahlia Juliet—Cactus

Whites

eg DREER'S WHITE.—Pure glistening white; large size.
g ETHEL MAUL.—White; good.
e GLOIRE DE LYON.—Very large and fine; pure white.
e MME. HEINE FURTADO.—Snow white; large exhibition size.
eg MME. HENRIETTA SCABARA.—The ideal white Show Dahlia.

Other Varieties

e DR. KEYNES.—Fine reddish buff; good back row flower.
e DUCHESS OF ALBANY.—Pale yellow striped crimson.
e ERIC FISHER.—Buff, striped scarlet.
e FLORENCE TRANTER.—Blush white, edged rosy-purple.
e GOLD MEDAL (Fancy).—Bright canary yellow with fine stripes and splashes of red.
e KAISER WILHELM.—Of immense size, deep yellow, tipped with cherry red.
e MR. CONSTANT VARIN.—Fancy; violet maroon, white tips; A 1 for exhibition.
e ENGLISH PENELOPE.—Fawn shaded amber and tinted yellow.
e SIR RICHARD WALLACE.—Violet maroon, intense and velvety.
e SOUTHERN QUEEN.—Lilac, shaded and pencilled deep pink.
eg W. W. RAWSON.—Pure white overlaid amethyst blue; fine.

The Dahlia in England

By T. A. Weston

Ideas as to Dahlias have, hitherto, largely differed in England and America. The Cactus Dahlia, in fact all Dahlias, in British eyes were at one time purely "show" flowers, and attempts to make them garden flowers have met with small success. The Decorative Dahlia, because it was of no value for show was never given a chance, and specialists have kept on developing the Cactus until it possesses little or no likeness to the old original. On the other hand, Americans seem to have kept the cutting value in sight all the time and the bulk of their varieties appear to be of the decorative type possessing stem in plenty and a free-blooming habit, so that while the Dahlia in England has been gradually losing caste, on account of its weaknesses, which overshadow its good points, the reverse seems to be the case in the United States.

The marvelous Cactus varieties we have nowadays fairly knocked the old Show and Fancy varieties off their perch, but while the latter still fail to appeal to the public the people have found that the wonderful Cactus sorts are fit for nothing other than exhibiting. Despite the murmurings, the specialists appeared to do little in the way of improving the Cactus sorts for garden and cut work, so that when the gawky Peony type came forward on its long, strong stems there was a decided falling off in the demand for the exhibition forms of Cactus. Not till then did specialists wake up, and now we are seeing the beginning of a great fight, that in all probability will see the overthrow of the Peony Dahlia.

The Peony-flowered type in recent years has filled the public want. It is a garden Dahlia, but in their hurry to make the most of it raisers have been ignoring its essential value, viz.: strength of stem and value for cutting.

Great numbers of sorts have shown the prevailing weakness of the Cactus—weakness of stem and aptitude to collapse after cutting. In the meantime a number of raisers have started out to make the Cactus really useful, and a new section called the Garden Cactus is the result. In three or four years what was thought impossible has been achieved. Prior to this, flower, and flower only, was the raiser's mark, and eventually the public sickened of the beauties that refused to hold their heads up. No heed was paid to stem, until the public went for Peonies. Now, however, we are getting the stems, but to secure them raisers have been obliged to run back, the garden Cactus varieties, with few exceptions, being very little removed from the type that exhibiting folk curled their noses at a short time back, the flowers shorter and broader in the petal—but oh! the difference in the stem. This season quite a number of garden varieties have been shown, many of them getting certificates; yet three years ago such flowers would have been passed over.

Among the best garden sorts shown this year are Minerva, orange carmine; White Ensign Flagstaff, rosy salmon; and Mary Purrier; the last deep scarlet and equal in form to many of the best Show sorts. All of them have stems as stiff as wire and from 12 to 18 in. long.

The reversion tends to suggest that we shall ere long cease showing Dahlias upon boards and go in for long-stemmed blooms in vases.

Dahlias in New York and Philadelphia Markets

By Joseph H. Sperry

In the following lines are very briefly mentioned some of the varieties of Dahlias which this season are selling well in the New York and Philadelphia wholesale cut flower markets. It is not claimed that this list is an exhaustive one, embracing all of the good commercial varieties sold in the above mentioned markets; indeed, there may be several important omissions, but as far as it goes it is the result of observation and careful inquiry, and it is given in the hope that it may be suggestive to those who are growing or who are intending to grow Dahlias for the cut flower market.

It would be interesting to know the relative favor which the several classes of Dahlias find with buyers. The following order of favor is given merely as a carefully expressed opinion and not as an indisputable fact; Decoratives first, Cactus a close second, Show Dahlias not far behind Cactus varieties, Single varieties disputing for the position with the Show Dahlias, and Pompons last on the list. The list is as follows: In the Decorative class—Jack Rose, crimson; Lyndhurst, scarlet; Katherine Duer, orange crimson; Souvenir de Gustave Douzon, rich red; Delice, rose pink; Jeanne Charmet, violet rose; Nymphæa, soft pink; Sylvia, soft pink, better than Nymphæa; C. W Bruton, canary yellow; Yellow Duke, canary yellow; Henry Patrick, white. Cactus class—Kriemhilde, deep rose pink changing to pure white at center; Flora, pure white; Mrs. H. J. Jones, bright scarlet, cream edge; Prince of Yellows, canary yellow; Countess of Lonsdale, salmon orange; Floradora, rich garnet; Master Carl, bright amber. Show and Fancy class—A. D. Livoni, soft pink; Arabella, soft primrose, tipped with lavender; Frank Smith, rich maroon, tipped with pink blended white; Queen Victoria, canary yellow; Gold Medal, bright canary yellow, regularly marked with stripes and splashings of deep red; Minnie McCullough, yellow; Storm King, early white; White Swan, white. Single class—Sensation, vivid vermilion tipped white; Rose Pink Century, rose pink; Twentieth Century, rose crimson passing to white; White Century, pure white.

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Carmania	Oct. 15	10.00 am.	W. 14th St., N. Y.	Liverpool
St. Paul	" 15	10.00 am.	W. 23rd St., N. Y.	Southampton
Cleveland	" 15	11.00 am.	1st St., Hoboken	Gib-Nap-Geno.
Duca d' Aosta	" 15	11.00 am.	W. 34th St., N. Y.	Naples -Genoa
Kroonland	" 15	11.00 am.	W. 18th St., N. Y.	Antwerp
Cedric	" 15	2.00 pm.	W. 21st St., N. Y.	Liverpool
Estonia	" 15	2.00 pm.	Bush Dks. Bklyn	Rotdam-Libau
Caroline	" 15	3.00 pm.	N. Y.	Havre
La Gascogne	" 15	3.00 pm.	N. Y.	Havre
Columbia	" 15	3.00 pm.	W. 24th St., N. Y.	Glasgow
Minnetonka	" 15	3.00 pm	W. 16th St., N. Y.	London
Madonna	" 15		31st St., Bklyn	Naples
St. Laurent	" 17	3.00 pm.	W. 44th St., N. Y.	Bord'x-Duok'k
Rotterdam	" 18	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 19	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 19	9.30 am.	W. 21st St., N. Y.	Southampton
Pres Lincoln	" 19	10.00 am.	1st St., Hoboken	Hamburg
M. Washington	" 19	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
La Lorraine	" 20	10.00 am	W. 15th St., N. Y.	Havre
C. F. Tietgen	" 20	2.00 pm.	17th St. Hoboken	Copenhagen
Minnehaha	" 22	9.30 am.	W. 16th St., N. Y.	London
Philadelphia	" 22	10.00 am	W. 23rd St., N. Y.	Southampton
Caledonia	" 22	10.00 am.	W. 24th St., N. Y.	Glasgow
Finland	" 22	11.00 am	W. 18th St., N. Y.	Antwerp
Koenig Albert	" 22	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Arabic	" 22	12.00 m.	W. 21st St., N. Y.	Liverpool
Regina d' Italia	" 22	12.00 m.	Gr'nd St., Jer.Cy	Naples-Genoa
Saxonia	" 22	12.00 m.	W. 14th St., N.Y.	Mad- Gib-Geno Nap-Tri-Fiume
Amerika	" 22	12.00 m.	1st St., Hoboken	Hamburg
Italia	" 22		Union Strs. Bkln.	Naples
Ryndam	" 25	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 26	10.00 am.	W 14th St., N.Y.	Liverpool
Europa	" 26	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Pres. Grant	" 26	1.00 pm.	1st St., Hoboken	Hamburg
Teutonic	" 26	3.00 pm.	W. 21st St., N. Y.	Southampton
La Touraine	" 27	10.00 am.	W. 15th St., N.Y	Havre
Panconia	" 27	12.00 m.	W. 14th St., N. Y.	Gib-Naples Trieste-Fiume
Hellig Olav	" 27	2.00 pm.	17th St. Hoboken	Copenhagen
Roma	" 27		31st St., Bklyn	Naples
Uranium	" 27		Pier 38, Bklyn	Rotterdam
From Boston				
Sannio	Oct. 15		Clyde St., E.Bos	Naples-Genoa
Zeeland	" 19		B& M Dks, Char	Liverpool
Canopic	" 22	12.00 m.	B & M Dks. Char	Azores-Gib
Ivernia	" 25	3.00 pm.	B&A Dks, E. Bos.	Naples-Geno Liverpool
Georgian	" 26			Liverpool
Parisian	" 28	6.00 am.	Mystic Wh.f. Char	Glasgow
Philadelphia				
Merion	" 15	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 15		24 No. Wharves	Glasgow
Friesland	" 22	10.00 am.	53 So. Wharves	Liverpool
Marquette	" 28	10.00 am.	55 So. Wharves	Antwerp
Taormina	" 28		80 So. Wharves	Naples-Genoa.
Carthagenian	" 29		24 No. Wharves	Glasgow
San Francisco				
Mongolia	Oct. 25	1.00 pm.	1st Street	Honolulu
Tenyo Maru	Nov. 1	1.00 pm.	1st Street	Japan
Korea	" 8	1.00 pm.	1st Street	China

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Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Thestre flowers a specialty. Wire me your orders

A. T. Bunyard Floral Co. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see pages 698-699

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

FLOWERS DELIVERED BY TELEGRAPH

Anywhere—At Any Hour

By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

Reliable Supplies for both Wholesale and Retail Florists

USE THE HANDY WAY

JUST A PENNY POSTAL

in writing for samples of **Pine Tree Ribbons.** For if you make decorations, if you tie bows, if you make loops or showers, or use Ribbons at all, Pine Tree qualities are a necessity—

RICH LUSTROUS COLORS

woven in narrow, medium and *wide widths*, no other Ribbons sold just like them.

THE PINE TREE SILK MILLS L.D.S.&Co.

DIRECT FROM THE WEAVERS

Why not write today for samples?

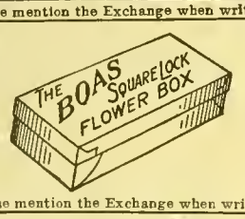
The Pine Tree Silk Mills Company
Philadelphia, Pa.

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.
1042 Ridge Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.



DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office: New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Speciel lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

"I am sure that I never got better value from a dollar than in the Exchange the past year."

Address of this advertiser upon application.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 1254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.



KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Climax Manufacturing Company's Special Sale of

Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower, Design, Pillow and Shipping Boxes are made from Heavy Manilla board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100
†18x5x3*	$2.25
†20x4x3*	2.25
†21x5x3	2.75
†21x7x3½*	3.25
†24x5x3½*	3.00
23x12x4*	4.50
†24x8x4*	4.00
†28x8x4*	4.50
†28x8x5*	5.00
28x8x6	6.00
28x12x4	6.50
25x15x5*	7.25
†30x5x3½*	3.75
†30x10x6*	7.50
†20x12x7	9.00
†36x6x5*	6.50
†36x8x5*	7.50
†36x10x6*	9.00

Size	Per 100
16x16x8	$8.00
18x18x8	9.00
20x20x8	10.00
22x22x8	12.00
24x24x8	13.50
22x22x10	16.00
24x24x10	18.00
28x28x10	22.50
30x30x10	24.00
18x10x8	8.00
20x15x8	10.00
24x18x8	12.00
28x22x8	13.50
30x15x8	13.50
26x20x10	16.50
26x14x10	18.50
42x9x7	11.00

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 300 or more. Extra Charge of $1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of $15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days time, but no discount will be allowed unless the invoice if paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address—

THE CLIMAX MANUFACTURING CO.
Box 205
Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St., Boston, Mass.
JACOB BRUNNER, Mgr.

Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

The Florists' Supply House of America

No need to qualify the fact. Biggest and Best Assortment of Florists' Supplies in America.

That means much to you. Why? You can get the latest and best of Everything in Supplies and Novelties from us; then your business will show increased results. Send us your list of wants. We know how to take care of it. When your stock is attractive, it will please your trade, and your sales will show the results of our advice. Now is the time to put in one of our Greatest Novelties, sells at sight, **Our Famous Imperial China Ware, either in plain or real gold finish.** Our latest importation is another Advance Novelty, Gold and Silver Filagree Baskets, the daintiest of them all; from a small one up. You will like them. **A Sample Trial Order will put you right in line with the Latest New Things.** Ferns are adding greatly to increased trade; all of the most desirable effects are produced with **plain and two colored Ferns** for Autumn and Winter Decorations. Beech Sprays, green, red, leather color and yellow; the most desirable of all new importations for the decorator's art. Crepe Flowers are a new and favorite conception, come in Orchids, Wistarias, Hyacinths, Roses, Chrysanthemums, and Dahlias. Magnolia Leaves, green and brown. Oak Sprays, brown and yellow. Ruscus and Statice Wreaths. Everything which a Florist can use to add new ideas to his business you can obtain from us. Order the New Things. They will help you.

SEND FOR OUR CATALOGUE OF SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.



Albany Florists' Club

The meeting of this Club was held Thursday, Oct. 6, at 73 State st., President Fred'k Goldring in the chair. Secretary Robert Davidson of the Flower Show Committee reported that a meeting was held on Sept. 29, fifteen of the members being present. A committee of three was appointed by Pres. Goldring to look after vases also to arrange for mantels. The retail florists were asked to furnish the wedding bower for the show. Mr. Jones, secretary of the Chamber of Commerce, has given his promise that he will ask the R. R. Cos., to publish circulars giving reduced fares during the show from all outside points. A letter was read from our new Governor, Horace White, stating that he would attend the show in person.

A committee was appointed to call on the Supt. of Parks, with a view to getting the loan of Palms and plants for the show. No further business being on hand the meeting adjourned until Thursday, Oct. 13.

The following candidates were presented for membership: Ernest Harris, A. Van Wie, Edson C. Lowell, Frank E. Berberick, Morton R. Tank. Wm. C. Gloeckner read a circular handed to him by Mr. Jones, asking the Albany Florists' Club to unite with other associations in the endeavor to bring a terminal station on the barge canal to Albany, as our city is one of the best centers for the location of a shipping station. This was carried. L. H. S.

Newport (R. I.) Hort. Society

A regular meeting of the above named Society was held on Tuesday evening, October 11, with President James Robertson in the chair. On the exhibition table was a Laelio-Cattleya Callistoglossa; although not new to commerce, this was, so far as is known, the first of its kind raised from seed in Newport, and Richard Gardner, who has done quite a little in the way of hybridizing Orchids was, upon recommendation of the committee on awards, given the Society's silver medal. The plant shown was 7 years from seed and bore nine flowers. Wm. McKay showed a vase of Gloriosa grandiflora blooms, from plants which had been grown in the open air since May, and although grown under shade of trees to some extent they were very fine, but would undoubtedly have done better had they been grown in a more sunny position; a cultural certificate was awarded. A new seedling Dahlia, from Aurora, raised by Joseph S. Lawton, was awarded a first-class certificate; this was a fine rose pink flower, having white center, and with the florets tipped white, flower of medium size but of unusual depth; it has been named Fletcher Wilson. Mr. Gardner gave a most interesting talk on the hybridization of Orchids, relating his experience and giving the results in this line with Cypripedium, Calanthes, Laelias and Cattleyas. Secretary Daniel J. Coughlin is off on his annual vacation. The drought is quite severe here and much hinders Fall planting, and is a serious handicap to the nurserymen.

ALEX. MACLELLAN.



New Hardy Trailing Pink Bodensee

NEW HARDY TRAILING PINK BODENSEE.—The most remarkable point about the new Pink, Bodensee (Lake of Constance) is its splendid habit; one-year plants easily branch 16 to 20 in. and even 24 in., of course under good culture. It is, therefore, especially adapted for window boxes and balconies, and the effect of a fine plant in full bloom in a window box is very charming. The color is a dark brownish red, and the flowers are nearly 3 in. across; they have a very strong perfume. They bloom through the entire Summer. The plant is said to be very hardy and not subject to disease. It appeared as a seedling in the establishment of Hach's at Reutin, and is being disseminated by George Rupflin of Eschach near Lindau, Germany.—*Moeller's.*

Retail Notes

ROME, N. Y.—Edward H. Kipp, of the florist firm of Kipp & Edwards, has bought out his partner's interest in the business.

DETROIT, MICH.—Miss Hattie Holzhauer, formerly with Breitmeyer's, has opened a retail store at 20 John R. st.

KANSAS CITY, MO.—D. Freudenthal, a florist, of the Bryant Building, recently fell from a ladder in his store and sustained painful injuries.

SEATTLE, WASH.—E. Fortlouis has succeeded to the business of the Graff Flower Shop, First ave. and Madison st. The business is to be managed by A. Fortlouis.

MARINE CITY, MICH.—A Mr. Rachell of Wallaceburg has purchased the business and property of the Marine City Floral Co.

MONTGOMERY, ALA.—The store of the Fernhill Greenhouses has been moved from the Exchange Drug Co.'s premises to those of the Montgomery Drug Co., 11 Dexter ave.

LOUISVILLE, KY.—C. B. Thompson & Co., florists, have incorporated with a capital stock of $5000, divided into shares of $10 each. The incorporators are: Cora B. Thompson, Louis P. Remmers, Joseph L. Able.

COLORADO SPRINGS, COLO.—The Colorado Springs Floral Co., which has been in business many years at 104 North Tejon st., has assigned to F. B. Sauerwald, chief clerk of the company. Sauerwald's inventory, filed in the District Court, places a valuation of $8679 on the company's stock and fixtures. In a list of accounts receivable $909.70 is classed as good, $183.30, doubtful, and $343, bad.

LONDON, ENG.—Lady Angela Forbes is the latest recruit to the ranks of titled shopkeepers in London. Her enterprise is a flower shop, where she personally waits on customers and sells plants and flowers at fancy prices. The little store is prettily fitted up, and the titled proprietress flits about among her wares wearing a blue apron and gardening gloves. "My Shop" is the sign over the door. Lady Angela is the third member of Blanche, Lady Rosslyn's, family to go into trade. Her sister, the Duchess of Sutherland, has a shop in Bond st. for the sale of the silver, pottery and metal work made by the Cripples' guild; and Lady Warwick, her half sister, was in the millinery business in Bond st. and later in Sloane st., and now controls a horticultural school for girls. Lord Rosslyn, the elder brother, was at one time editor of Scottish Life and a war correspondent in Ladysmith. He afterward adopted the stage as a profession.

VINCA Variegata, field-grown, at $4.00 per 100.
ADIANTUM Croweanum. Strong 4-in. pot plants, $15.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli, Scottii and Whitmani, 5-in. pot plants, $4.00 per doz., $25.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
PRIMULA Obconica Grandiflora, Pink, Red and White, 2½-in. pot plants, $2.50 per 100.
CELESTIAL or **CHRISTMAS PEPPER**, 4-in. pot plants, $10.00 per 100.
BULBS—HYACINTHS, 17 centimeters and up, best named varieties, double and single, $3.50 per 100, $32.00 per 1000.
HYACINTHS, 15 centimeters, fine bedding stock, colors separate, $2.25 per 100 $20.00 per 1000.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
NARCISSUS, Paper White Grandiflora, 13 centimeters and up, $1.00 per 100, $9.00 per 1000.
HYACINTHS, White Roman, 12 to 15 centimeters, $2.50 per 100, $24.00 per 1000.
NARCISSUS, Trumpet Major, (French Grown,) $1.00 per 100, $9.00 per 1000.

Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

TO CLOSE OUT WE OFFER

Carnation Plants

AT $4.00 PER 100

1500 Harry Fenn 500 Mrs. Patten

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

Large Field-Grown Carnation Plants

Lord, Mrs. Patten, Harlowarden.

$5.00 per 100, **$40.00** per 1000.

FRANK NIQUET
PATCHOGUE, N. Y.

Please mention the Exchange when writing.

Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in this column.

DON'T GET LEFT
Coleus!!! Coleus!!!

Verschaffelti and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner,** $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulin,** $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner,** $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffelti** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa

Please mention the Exchange when writing.

Geraniums

All Rooted Cuttings we shall have, booked for October; **with the exception of MADAME BUCHNER.**

CASH WITH ORDER.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.
Cheaper than the Cheapest,
Good as the Best.

S. A. Nutt	$11.50 per 1000
Riccard	14.00 per 1000
Poitevine	14.00 per 1000

Grown right—Rooted right
Packed right—Named right.

All sold until Nov. Better get your order placed for Nov. delivery.

COLEUS

Extraordinary fine collection by the 100,000 in season, can furnish them now on short notice.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings ready last of October. **NUTT** and **BUCHNER,** $10.00 per 1000.
POITEVINE, RICCARD, DOYLE and others, $12.50 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Orders all booked until November 20th for **Nutt, Ricard, Poitevine** and **Castellane.** Orders booked now for the following. **Buchner, Doyle, Viaud, Grand** and **Jaulin,** at $10.00 per 1000. **Cash with order.**

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

You Need this in Your Business

THE FLORISTS' EXCHANGE

Design Book

It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.

This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents.

Positively this Design Book can be obtained only through becoming a subscriber.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(86) **To Remove Shading from Glass.**—Owing to the very light rainfall the shading is still on our glass; can you suggest a way to remove the same easily and quickly?—Viridis, N. Y.

—Put stiff brush on end of long pole so attached that the brush will stand at about a right angle to the pole. Scrub the shading off with this when the glass is dry, and then by use of the hose, wash off the shading which will have been already loosened by the brush.

(87) **Trouble with Palms, Boston Ferns, Winsor Carnations. Plants for Name.**—Herewith find clippings from a Palm leaf, a leaf from a Boston Fern, a stem from a Carnation and a plant I very much desire to know the name of; what use the seeds are, if any. Will you kindly tell me the cause of the spots on Palm leaf and remedy for same; also what is infesting the Boston Fern and remedy? Most of all, I wish advice as to what I can do with my Winsor house, every plant being affected as the enclosed sample. Not only the leaves die, but all the young growth until it reaches the top, making many of my plants almost useless. They have been set about three weeks and looked fresh and healthy at that time; no red spider. They were set with care and roots not allowed to dry and I cannot account for this.—F. S., N. Y.

—The portion of Carnation plant submitted shows a very pronounced case of blight, and, if all the plants are in a similar condition they are of very little value. Remove the affected leaves, discontinue overhead syringing for a time, ventilate freely, and spray with Bordeaux Mixture, using a fine nozzle and as much force as possible. The frond of Boston Fern is infested with scale insects. The Ferns can be cleaned up by using a solution of Ivory soap, dissolving it at the rate of one pound to twenty-five gallons of water. Wet the Ferns thoroughly with this, and after three or four hours syringe off with clear water. The Palm leaf shows a severe attack of some bacterial trouble; if the entire Palm is so affected, it is of very little value. The plant submitted is Chenopodium Botrys, Jerusalem Oak. It was formerly grown among flowering annuals, and used as a bouquet green. It can be propagated from seeds. In regard to the Palms, Ferns and Carnations, a closer watch over the plants is suggested, so as to meet the troubles at the very outset.

(88) **To Get Rid of Wood Lice.**—Th. F. v. d. M., N. Y.

—Mix one part of Paris Green and eight parts of granulated or brown sugar. Strew the mixture at night along the edges of the greenhouse benches and among the plants. The next morning great numbers of wood lice, sometimes called sow bugs, will be found. Repeat as often as necessary.

(89) **Sowing Seed of Cut Leaf Weeping Birch.**—Please instruct how and when to sow the seeds of Cut Leaf Weeping Birch. I had a lot of seed last year, but not one of them germinated.—Th. F. v. d. M., N. Y.

—It is possible that, from some cause, the seeds were infertile; then it may be that, though fertile, they quickly lose their vitality. It would be well to sow some this Autumn and some again in Spring; some outdoors and some under glass. It is a general complaint among nurserymen that they do not meet with much success with Birch seeds, excepting with Red Birch. This one ripens its seeds in June and, if sown at once, almost every seed will grow. J. M.

(90) **Beetle found on Pin Oaks for Identification.**—F. D., Conn.

—The beetle is known as the bumble flower beetle (Euphoria inda). This beetle is rather common, occuring in early Spring, and the second brood appearing about the middle of September. The adult is a general feeder occurring upon flowers, eating the pollen. It also is often found upon Peaches, Grapes and Apples, eating the fruit. At times its injury on fruit is somewhat serious, but very seldom. It is not of sufficient importance to justify employing artificial remedies for its control. T. B. SYMONS.

(91) **Shipping Asparagus plumosus.**—Please advise me how to pack Asparagus plumosus sprays, so they will keep in shipping to New York or other distant points. I have a lot of it coming on now and will be ready to ship in a week or two. I gather it and pack one day and it starts next morning. It takes about 36 to 40 hours to reach Washington.—H. A. C., Fla.

—Pack the Asparagus plumosus in light cases. It will be better not to use very large cases, because a large quantity of Asparagus in one case would be apt to heat and, in consequence of this heating, drop its leaves. It would be well to allow the Asparagus to stand in water five or six hours after cutting before packing, and then wrap the wet stems in newspaper before packing. Do not sprinkle the Asparagus with water in packing. If the weather is very warm, it may be necessary to use ice in packing. After making a sample shipment, have the receiver write you as to exactly in what condition the Asparagus reaches him, then, if necessary, change the manner of packing.

(92) **Measuring Cups for Seedsmen.**—To whom should I write for measuring cups employed in filling seed packets sold at retail. I am beginning in the retail business of vegetable and flower seeds and need some convenient method of filling. Cannot, of course, use the patent bag filling machines until my business is large enough.—P. S., Mich.

—In reply to your inquiry as to where you can obtain measuring cups employed in filling seed packets, would say that each seedsman usually makes these for himself. The better way would be to consult some old seedsman in your neighborhood or to write to some seedsman you know well, who would, no doubt, be willing to supply you with a set of spoons and cups like those he himself is using. There are no regular packet fillers that you can obtain as each seedsman has his packet measures made according to his own individual ideas.

(93) **Melon Vines Diseased.**—Herewith Melon leaves from a vine, and would like you to let me know what is the nature of the disease and the cure if possible. I have grown the same Melon for a considerable time and never had any trouble. The seed is imported and the fruit of a very fine quality. The disease usually makes its appearance at the time the fruit sets. It makes a rapid advance as the fruit reaches maturity and caused the loss of about half my last crop. The fruit that finished was of the usual good quality.—W. M., R. I.

—The Melon leaves submitted show an attack of blight such as sometimes attacks Melon vines under glass. So far as botanists have been able to determine this is not due to any fungus or parasite, but is a physiological disease. In forcing houses the disease is brought on by overwatering and syringing during damp, cloudy weather, so that the foliage remains wet over night. Possibly, similar outside conditions might produce the same result. Try spraying with a weakened solution of Bordeaux Mixture, or dusting with dry Bordeaux, on the very first appearance of the disease. This may help.

(94) **Mastica or Putty for Glazing?**—I am building a greenhouse 18x35 ft. What about Mastica in place of putty for glazing? Which would you recommend? Where can I secure Mastica? Will you kindly tell me the best method of applying putty?—W. D. G., N. Y.

—Whatever material is used in glazing it is of prime importance that the sash bars first be given two coats of the best white paint. Mastica has been advertised in our columns and used for many years, and has a good reputation. It is best applied with a Mastica machine which can be bought with the Mastica for a small price. Putty can either be applied as usual with a knife, or with Scollay's Putty Bulb, which has also been used many years and is well thought of and is advertised in our columns. With the putty bulb comes directions for preparing putty to use therewith. In case either Mastica and a Mastica machine or Scollay's Putty Bulb and prepared putty are used observe the directions exactly. If a knife and putty in ordinary form is used buy the very best putty.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

The Week's Work

BY

FRITZ BAHR

After the Early 'Mums

Sweet Peas a Good Crop to Follow

In many parts of the country where, usually, a good frost either partly or totally finishes every outdoor flower before October 10, there hasn't been a night, up to this writing, when the thermometer went below 50 degrees, and Monrovia and October Frost are practically all cut and gone. In other years many plants have been waiting in frames, and even under the edges of bunches, to take the place of the early 'Mums. Geraniums, either rooted in flats or in 2's, are among the first to be taken care of; this year, however, they might as well remain where they are for a while, for as long as we have such fine weather and sunshine they are as well off in the frames, even without glass. Perhaps as good a thing as any to do with the bench left empty by the early 'Mums is to make use of it for Sweet Peas. If small plants are on hand the appearance of the bench is quickly transformed, for all that is really necessary is to dig the soil over and add a couple of inches of fresh sod soil; this, when leveled, completes the conditions required, unless a great amount of manure has been made use of while the Chrysanthemums were in the bench, in which case it might be better to remove a part of the old soil and renew the same. If no small Sweet Pea plants are on hand, seed will do nicely, of the Christmas-flowering varieties. The small plants will be up in a few days and be ready for blooming in Midwinter. More Sweet Peas than ever will be grown this season, and of such importance is this flower today that many growers are devoting houses to its culture; and the retail grower, outside of Carnations, can hardly overdo the planting of Sweet Peas inside. While we may sometimes devote the end of a house to a few plants, or plant along the purlin supports and get fairly good blooms, the best results can only be had when a bench is devoted to them. Give them plenty of head room, not too rich soil, allow sufficient space between the rows as well as the plants, a temperature of about 50°, and sunlight whenever there is any to be had.

The Primulas

Care of the Plants Intended for Early Blooming.

The Sinensis section of Primulas are cold house plants and do not require the heat the obconicas do in order to do well. The plants intended for December blooming should now be in or be shifted into their flowering pots. You can't grow a good Primula in a 4" pot. You may have no trouble to get them to bloom in such, but a 5" or even 6" pot is not too large for good plants. With Primulas as with many other plants we are liable to look more for quantity than quality. Let us grow less in number on a bench but better stock. It is practically as easy to grow a Chinese Primula which will retail at 75c. to $1 as one that has to be sold for 25c. or 35c. Good red Primulas for Christmas always sell, and while the smaller retailer may have calls for cheap plants and should carry them for that purpose, there are always customers who when seeing the difference will gladly pay a higher price for good stock. If nice plants are on hand now, give them all the room they need to develop into shapely specimens. Perhaps nothing hurts a Primula more, and causes yellow leaves, than letting the pots dry out too much. While the plants object to overwatering, they love moisture, and the house they are in should never lack sufficient of it, for then you will get the large leaves as well as a robust growth and, later, good sized and fine colored flowers; whereas, when exposed to a dry atmosphere and heat the plants will be ruined in a few days, and the flowers will grow smaller and smaller. Our plants are now in 5" pots, and a couple of weeks later they will get their first dose of liquid cow manure—dosing which is kept up every 10 or 12 days—and we find quite a difference between the plants so treated and such as get no feeding.

Ophiopogon Jaburan Variegatus

Of Great Value to the Retail Grower

If you want to grow a plant useful for many purposes, try what Bailey says is the Greek translation of the Japanese name, Snake's Beard—Ophiopogon. The species O. Japonicus is a perennial and native of Japan, Corea and northern China, but does very nicely with us when given greenhouse protection during Winter. The other and, perhaps, better known is O Jaburan variegatus, and this one, according to Nicholson, came from Japan in 1863, so it's old enough to be better known. The plants might be compared to a small Pandanus Veitchii, long, narrow, green leaves, with a heavy creamy white border. Quite frequently one sees a neglected, half starved plant on the side or end bench of some greenhouse, but he should not judge its value from such. By dividing an old plant and only paying ordinary attention to the stock, good plants fit for the center of Fern dishes, made-up pans and baskets for the holidays, or anything else where an inexpensive variegated foliage plant is required, can be had in a few months' time. Many of the suburban homes are being equipped with a sun room or sun parlor, located along the east or south side of a residence, and where the florist gets his benefit from such places is from the window boxes which are to be found here, to be filled with Ferns and foliage plants for the Winter season; and here the Ophiopogons are of great value and will outlast any other variegated foliage plant, whether kept too wet or watered once a month. If you have use for such a plant, why not grow this one—it's a good thing.

Chrysanthemums

Early Varieties Grown Outdoors

There are two Chrysanthemums which the retail grower, even throughout the middle West, can do nicely in coldframes, and they are Golden Glow and October Frost. I don't want to be understood as being in favor of going back to ways made use of years ago, or that the quality of flowers grown in a frame are to be compared with those grown inside; the coldframe way, however, is to be recommended to the smaller grower, the one who hasn't as much room as he would like to have. With him the growing of many of the very early Chrysanthemums is always a risky undertaking; no matter how well planned his work, he runs chances, and if there is a way in which he can grow some of the early varieties without their taking up valuable bench room so much the better. We found ourselves with a lot of nice 2½ inch pot plants of Golden Glow and October Frost last May; it was near the end of the month and every bit of bench room was filled up. There was hardly enough of the plants to make use of the Florists' Exchange columns to get rid of them, so we planted the whole lot out into a deep coldframe. We did practically the same thing with a batch of Kalb the year before, but neglecting to put the sash on one frosty night just as the flowers were partly open we spoiled most of them. This year we cut the last October Frost yesterday; they all bloomed nicely without any protection whatever, and while the plants inside grew up with 6 ft. stems, those outside were hardly over 30 inches in height, but plenty tall enough, with good foliage and flowers of fair size. The best of them retailed at $2.50 per dozen, and some went for $1.50; the only fault to find is that we can only cut them once. Try a few next year!

Hydrangea Hortensis

The Present the Best Time to Stock Up

Whether you want your Hydrangeas for Easter or Memorial Day, if you have no pot grown plants on hand it either means purchasing some or making use of field grown plants. No better time than the present to get such, if in want; they can be dug, and if at all packed properly they travel any distance. Potted up in a good stiff loam, provided with plenty of drainage, they ought to make fine stock for Easter, as so late a date as April 16, on which Easter falls in 1911, makes heavy forcing to get the plants into bloom unnecessary. Strong heat, in order to get the plants into bloom, will do the trick, but such stock is in no way to be compared with plants which were allowed to come along more naturally, and while this holds good with Roses, in fact most any other of the plants we try to get into bloom out of season, it is especially true of the Hydrangeas. Freshly potted stock should go to a coldframe now, allowing reasonable room between the plants. Give the plants a thorough soaking after potting, it will, in a way, help to create root action, and that is what you want. The leaves of such stock will begin to get yellow and drop, and you can keep the plants a little on the dry side. A light frost will not do them any harm but it is as well to be careful and not get caught unprepared for a heavy frost, which might kill the embryo flower bud already formed at the end of each branch. On that account, also, pruning the Hydrangea hortensis, such as the varieties Otaksa, Thomas Hogg and others, is out of the question until after flowering.

Hydrangea Arborescens

This is only to be another reminder, in order that you may work up a good stock of this moneymaker. I called attention to this Hydrangea several months ago, but there are so many things to be attended to in our business that one is only too apt to forget some of them. But if you force Hydrangeas at all, H. arborescens deserves a fair trial, and while it is a native of North America it is, nevertheless, a novelty with most of us. Of great value outdoors, it is just as good, perhaps even better, when brought into bloom indoors. As to treatment, there is hardly any difference between it and H. hortensis, except that a severe pruning back will give you the big flower heads, often averaging 9" to 10" in diameter. These plants can also be left in the coldframe, without protection, during the month of December; freezing seems to do them good. If potted up now, you must provide protection so as to allow bringing the pots in during January, when they can be pruned back to about 6 inches from the pots. Pot up a hundred or so of them; if for any reason they are not all sold you won't have to lose the plants; divide them, cut back and plant into the nursery row. While ordering some for forcing, get enough to plant out; you cannot afford to be without a good stock of this valuable plant.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO., A. T. PYFER, Manager

35-37 RANDOLPH STREET Room 302 CHICAGO, ILL.

Please mention the Exchange when writing.

Now is the Time to Pot Up "CHRISTMAS CHEER"

The Scarlet Pot-Carnation

Put it into cold frames and let it establish itself.

Now is the time to place your order.

$15.00 per 100, $125 00 per 1000

February delivery, January all booked.

It's guaranteed to make good.

H. EICHHOLZ FLORIST WAYNESBORO, PA.

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For biggest returns plant our new white carnation Shasta.

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

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White Enchantress	7.00	
Rose P. Enchantress	6.50	
Light P. Enchantress	6.00	
Winona	6 50	$60 00
White Perfection	6.50	60.00
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250 at 1000 rate. Cash with order.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.

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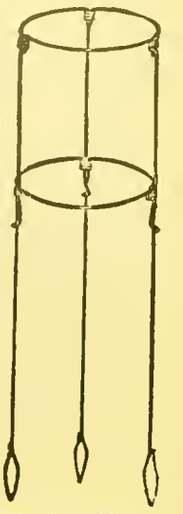

Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

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93-71 Metropolitan Ave., BROOKLYN, N. Y.

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CARNATION PLANTS Clean, healthy field-grown Carnation Plants. This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties:

White Enchantress, $7.00 per 100, $65.00 per 1000; Pink Enchantress, White Perfection, Bountiful, Winsor, $6.00 per 100, $60.00 per 1000; Boston Market, White Lawson, Harlowarden, $5.00 per 100, $50.00 per 1000.

Cash with order

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FIELD-GROWN Carnations

Strong plants. 1000 QUEEN, 1000 ENCHANTRESS, 1000 BEACON, $50.00 per 1000. I will take $115.00 for the 3000 plants. Cash.

M. H. Kruschka, 616 Cookman Ave. Asbury Park, N. J.

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Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

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Fine Carnation Plants

Field-Grown, Fair Maids, all clean and healthy stock, $4.00 per 100. Cash with order.

Mrs. T. W. Lawton, 127 Brown Street, Fall River, Mass.

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WILLIAM SWAYNE, Kennet Sq., Pa.

P. O. Box 215

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STOP!!

Read our advertisement over carefully, and then send us your order for Craig Quality Stock. The first order will make you acquainted with the quality of our goods, and in the future we will have your every confidence.

Craig Quality Stock

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall .....$5, $6, 7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....50c., 75c. and $1.00 each
6-in. pots, 75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans ....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots $1.50, $2.00, $2.50

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 and $36.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready now.

5-in. pots .....$5.00 and $6.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb stock.

8-in. pots, strong plants, $18.00 and $24.00 doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers..$9.00 doz., $70.00 100
6-in. pots, 5 tiers .....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

Very heavy 6-in. pots, 3 plants, 32 to 34 in. tall.....$15.00 doz.
Heavy 7-in. pots, 3 plants, 36 in. tall .....$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall .....$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 ins. tall.....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall.....$3.50 each

Pandanus Pacifica

Very handsome plants.

11-in. tubs..$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$6.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in pots ..$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston

2¼-in. pots ..$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy, $6.00 and $9.00 per doz.
8-in. ¾ pans, heavy .....$15.00 per doz
10-in. ¾ pans, heavy .....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strong plants. $6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots ..$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Scottii

Our stock in superb condition.

2¼-in. pots..$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy ....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots $4.00 per 100, $35.00 per 1000
3-in. pots ..$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome..$18.00 per doz.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, immediate delivery, $50.00 per 100
3-in. pots, ready now .....$25.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz

We also have a very large stock of **Light Begonia Lonsdale** sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots, very heavy .....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots..$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in pots ....$2.50 each
8-in. specimen plants..$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy $8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy ....$50.00 per 100
7-in. pots, heavy, $9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Pandanus Veitchii

4-in. pots .$6.00 per doz., $45.00 per 100
6-in. pots ....$12.00 per doz., $90.00 per 100

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth and Market Sts. PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Please mention the Exchange when writing.

Pageant of the Rose Mallow

Annual Exhibition on the Hackensack (N. J.) Meadows Now Open

A writer in a recent issue of the Memphis (Tenn.) Commercial Appeal has written so graphically of this wonderful scene that we feel constrained to repeat his article in part.

There is now on view in the Hackensack meadows the annual pageant of the Rose Mallow. From the windows of trains crossing the big salt marsh passengers may see thousands of the great, gorgeous blossoms.

The Rose Mallow is in some respects the most magnificent wild flower in the northern United States. Some plants, like the Laurels and the Rhododendrons, offer greater masses of color, but their individual flowers do not approach those of the Swamp Mallow in size. Five or six inches across, the great pink-purple, or magenta bells of bloom continually astonish spectators with their beauty.

The plant as a whole is satisfying as an ideal wild flower. It is from four to six feet tall, the leaves are an aesthetic dull green, whitish underneath, and the stout stems are crowned in the blossoming period with five or six flowers every pleasant day.

The display of the Rose Mallow lasts from early August to the middle of September. From Aug. 10 to Sept. 10 in the latitude of New York is the period of its prime. On the main line of the Erie railroad, on the west side of the Hackensack River, is now one of the most gorgeous exhibitions of the plant. There are thousands of the blossoms, too, in one great bed in the salt marshes on the Greenwood Lake division of the same railroad, on the west side after the crossing of the bridge near Snake Hill.

The Lackawanna tracks, on either side of the river, are bordered with frequent clumps. The Rose Mallow loves to have its roots bathed twice a day in brine.

The variety found in the Hackensack meadows is the purple Hibiscus moschentos. Its color runs from very pale to almost a raspberry color. Occasional white blossoms, possibly albinos, are found.

Fortunately for itself perhaps the plant is not well adapted for gathering for decoration. The great petals, which in their veining and consistency suggest crêpe paper, are tender and bruise readily, so that it is difficult to get them home in perfect condition. The buds rarely open in water to the same size and beauty as in their native marshes, and the plant has no perfume; on the contrary, its smell is somewhat rank.

[As the plants grow in mire and water, often waist high, the flowers are secure from intruders. The writer by no means overrates the wonderful and glorious appearances of these large and dense masses of flowers when the season is at its height. —ED.]

York, Pa.

The York County Fair was held from Oct. 4 to 7, was well attended, and a large number of florists were among the exhibitors. In the cut flower and plant department there were offered over 100 premiums ranging from $1 to $10. H. S. Brandt of 141 Spruce st. showed 27 varieties of Ferns, of which stock he is a very successful grower, considering that he only has been in business the past two years; he showed a number of fine specimen plants; he also showed twelve varieties of Geraniums, a number of Palms and a quantity of Carnations and other cut stock. Mr. Brandt reports very good business and is planning to enlarge his range in the Spring. He now has about 4000 sq. ft., formerly the property of Levi Dull.

August H. Schaefer of 15 W. Market st. reports busy times in his store and a fairly good trade considering the season. He has some 15,000 sq. ft. devoted to mixed stock and is cutting some excellent Roses. One of his recent design pieces was a casket cover of Carnations, Roses and Sprengeri. Mr. Schaefer had one of the largest exhibits at the fair, composed of design work, cut stock, Palms, Ferns and bedding plants.

Chas. A. Schaefer had a nice lot of cut stock, Palms, Crotons, Roses and potted plants which attracted considerable attention. Business at the store on East Market st. has been very good.

Miss M. L. Miller of 24 So. Beaver st. has now been in business for herself for over three years and reports a steadily increasing trade, especially in design work. She recently took a combination business and pleasure trip to New York and Philadelphia.

Chas. E. Smith had a large exhibit at the fair composed mainly of Ferns and Palms, a number of cut blooms and a few design pieces, among them a handsome bride's bouquet. Mr. Smith has a very attractive store on East Market st., which is well stocked. He has been doing considerable remodeling and now has 23 houses, all devoted to miscellaneous stock.

Augustus F. Plitt had one of the largest exhibits of foliage plants at the York fair, as well as a quantity of cut stock, Ferns and potted plants. He has about 1700 sq. ft. of glass at 813 Linden ave.

Geo. E. Stein of East Prospect, York Co., Pa., exhibited a quantity of fruit and evergreens.

Harrisons of Berlin, Md., had the largest exhibit at the fair comprising fruit, ornamental trees and shrubs.

Rakestraw-Pyle Co. had an exhibit of fruit and shade trees.

W. J. Bowls, an undertaker here, has taken up the florist business to some extent, doing mostly artificial work.

Sidney Bayersdorfer was a caller upon the trade last week. P. M. R.

Publications Received

HINTS ON PLANTING ROSES.—By a Committee of the National Rose Society, England.

BULLETIN OF THE NEW YORK BOTANICAL GARDEN. Vol. 6, No. 21, containing the following botanical contributions: Bolivian Mosses, Part. 11, by R. S. Williams; Critical Notes on New or Little Known Species in the Herbarium of the New York Botanical Garden, by B. P. G. Hochreutiner; A Phytogeographic and Taxonomic Study of the Southern California Trees and Shrubs, by Le Roy Abrams.

DAHLIAS

Dahlias are one of our specialties. We have over forty acres in the cream of the leading varieties. We are booking orders for whole field clumps, in a good assortment, at **$6.00** per 100, **$45.00** per 1000.

NOVELTIES

The following varieties are of our own introduction, and we are now prepared to offer them to the trade in quantities, and at a price which places them within the reach of everyone. We have been growing them for four years and feel confident they will prove satisfactory in every way.

Wm. Pierce (Show)

A delicate shade of light shell pink, very similar to Mrs. Gladstone. The flowers are of medium size, full to the center, very freely produced on long, stiff stems. This is a grand acquisition to the show type.



Show Dahlia, Wm. Pierce

Mrs. C. W. Bassett

(Decorative)

A clear deep rosy pink; an early bloomer of full flowers, freely produced on long, rigid stems.



Double Peony Flowered Dahlia, Mrs. Chas. L. Seybold

Mrs. Chas. L. Seybold

(Double Peony Flowered)

A distinct bright crimson pink, each petal tipped white; a strikingly beautiful variety. Flowers abundantly produced on long, graceful stems.



Decorative Dahlia, Mrs. C. W. Bassett

We are now booking orders for the above three Novelties in plants for Spring delivery at $1.00 per dozen, $6.00 per 100

Phoenix

(Boucharlat's 1909) (Cactus)

An extremely handsome dark velvety color, center of petals striped fiery red; very large flowers of great substance. We are certain this variety will become a great favorite.

$2.00 per dozen, $15.00 per 100 for plants for Spring delivery



Cactus Dahlia, Phoenix

R. VINCENT, JR. & SONS CO., WHITE MARSH MARYLAND

Cost is measured by the results obtained and in no other way

FERNS Ferns from Bench

Boston, for 3-in., 6c.; 4-in., 10c.; **Runners,** $10.00 per 1000.
Elegantissima, for 3-in., 6c.; 4-in., 10c.; 5-in., 12½c.; **Runners,** $10.00 per 1000.
Whitmani, 3-in., 8c.; 4-in., 12c.; 5-in., 15c.; **Runners,** $15.00 per 1000.
Amerpohli, 3-in., 8c.; 4-in., 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in., 6c.; 4-in., 10c.
Giant Snapdragons from field, red and yellow, $1.00 per 100.
Rubbers, fine stock. 4-in., 20c.; 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE ALYSSUM, 2-in., $2.00 per 100.
FLOWERING BEGONIAS, 2½-in., $2.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; **White, Pink, Red,** and **Yellow,** $22.50 per 1000.
SINGLE HOLLYHOCKS, Mixed Colors, $20.00 per 1000.
DIGITALIS GLOXINIÆFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
GIANT PANSIES, Bugnot, Cassier, Odier, etc., Mixed, guaranteed A1, $2.50 per 1000.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, lo best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5 00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $65.00 per 100; 7 inch, $2.50 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $6.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS

Very Heavy Stock—All Pot Grown.
SCOTTII, 4-inch pots, $15.00 per 100; 6-inch pots, $40.00 per 100.
SCHOLZELI, very fine, 4-inch pots, $20.00 per 100.
TODEAOIDES, 4-in. pots, $15.00 per 100.
PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa.

Please mention the Exchange when writing.

5000 FERNS Boston, Scottii, Whitmani and Piersoni, 2½-in., $4.00 per 100; from 4-in., $15.00 per 100. 100,000 California Privet, 3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $3.00 per 100; 2 to 2½ ft., $2.50 per 100; 18 to 24 in., $2.00 per 100; all 2-year-old, well branched; 500 and up, 20 per cent. off 100 rates. 100,000 2-year-old Asparagus Roots, $3.75 per 1000. 10,000 mixed Peony Roots for florists, $6.00 per 100. 100,000 Canna Roots, $12.00 per 1000 and up. Cash. 5000 Field-grown Vinca Major, variegated, strong, $4.50 per 100.

BENJ. CONNELL, Florist, Merchantville, N. J.

Please mention the Exchange when writing.

Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES

108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

Also a large stock of **BOSTON FERNS,** in 5, 6, and 7-in. pots, ready for delivery.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.
COCOS Weddeliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.
ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.
ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.
CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN
Short Hills, N. J.

Please mention the Exchange when writing.

FERNS

	Bench	Pots
BOSTON, 5 inch	$0.20	$0.26
BOSTON, 6 inch	.25	.30
WHITMANI, 5 inch	.25	.30
WHITMANI, 6 inch	.30	.35
7 inch and 8 inch stock	50c. to	75c.

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 16th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

La Park, Pa.

Geo. W. Park, the publisher of Park's Floral Magazine, has some 10 000 sq. ft., which is devoted to almost every variety of plant obtainable. The seed and plant departments require some fifty assistants. Mr. W. I. Clugston reports a good business and a big demand for Hydrangeas.

P. M. R.

Wiesbaden, Germany

The competition in balcony and front yard gardening in this city was quite large this year throughout the city, and nearly a hundred prizes were awarded by the committee in charge, ranging from stylish sterling silver tea sets, rich cut glass bowls and decorated china to parlor pot plants and pretty plant tubs, all proving great stimulants for this beautiful custom which is alike beneficial to the community, the sightseeking traveler and the tradesman who supplies the material.

At the annual "review in action" of the garrison (17,000 men, representing all arms) of Mayence, the ancient city on the Rhine, almost opposite Wiesbaden and in a different State, taken part in by the German Emperor, great crowds are attracted to that city. His duty performed in the field, this busy man enters the city, takes lunch at the ducal palace and departs again. The streets through which he passes, accompanied by the sovereign of the State, the Grand Duke of Hesse-Darmstadt, and escorted by a brilliant staff and distinguished guests, several princesses among them this time, are for this occasion elaborately decorated by the ducal and the city authorities, and also by the individual citizens. Cut flowers, plants, flags and Oriental rugs are used in great profusion in the decorations and with much taste and skill.

Right opposite to where we had chosen our stand to witness the entry, was a two-story sandstone clubhouse. A spacious balcony on the first story was flanked by four windows on each side. In each lower corner of these spacious windows stood a glass vase, about 12 to 15 inches in height, containing about six dark red Dahlias and about a dozen large sprigs of Golden Rod; around the middle of the vases bows of silk ribbons, about an inch wide and of a bright golden yellow were tied, adding no little to the effect when the long ends were streaming in the light breeze. From each windowbank Oriental rugs, each different in pattern but of uniform size, were suspended. From the stone balcony three beautiful rugs larger in size than the others were suspended and in each corner stood a huge bouquet of white and red (the Hessian colors) Gladioli, grouped in colors; and here, too, yellow ribbons waved from the necks of the vases their welcome.

The effect of this simple decoration, which was on the sunny side of the street, was very charming, especially after the windows and the balcony were occupied by the guests of the house.

Another, also a two-story building, but on the shady side of the same street, had each window of the second floor framed with garlands of Oak foliage, in bulk six inches or more in diameter, the design keeping strictly to the lines of the architecture of the building, while each of the two ends of a garland in each window was allowed to hang down to within a few feet of the sidewalk. The oblong panels below each of the eight windows so decorated were filled out with white and red Cactus Dahlias, thus imitating rugs. The small iron balcony projecting from the first floor in the middle of the house and immediately above the door, was decorated in dark green with plain Oak foliage, which gave a splendid relief to three large bouquets of white and red Dahlias and Gladioli that occupied the center and each end of the balcony. In neither of the two decorations described was a flag used.

The little square right in front of the gate of the ducal palace, which is paved with stones like a thoroughfare, was turned into a tropical garden for the day. Loads of Rhine sand had been dumped here and shaped into walks and beautiful beds. In the latter, large numbers of tub and pot plants were arranged, the pots being concealed in a manner so that one could think the plants had always been growing there.

The flowers used on the luncheon table were Sweet Peas in all shades and tints of pink; these were loosely arranged in high white crystal vases, while freshly cut half-blown pink Roses (Mad. Caroline Testout), on about 8-inch stems, with their own perfect foliage, were scattered carelessly here and there over the tablecloth.

HUGO MULERTT.

ASSORTED FERNS
FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000, 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.
COCOS Weddelliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.
KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.
NEPHROLEPSIS Scottii, large plants, 7-in. pots; $1.00 each; 8-in., $1.25 each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERNS

Fine stock in two-inch pots, now ready for shipment, $3.00 per 100.

R. G. HANFORD
NORWALK, CONN.

Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 60c.; 4-in., 16c.
ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.
COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Boston Ferns
Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns
Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.
BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL I. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

BOSTON and WHITMANI
FERNS

2½-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

HYDRANGEAS—FERNS All Pot-Grown Stock, 600, 4-inch **HYDRANGEAS,** for Easter, good strong plants. **FERNS, Scholzeli,** 2-in., $6.00 per 100; 4-in., $25.00 per 100. **Scottii,** 2-in., $4.00 per 100; 4-in., $15.00 per 100; 6-in., $40.00 per 100; 10-in., $12.00 per doz. **ASPARAGUS Plumosus nanus,** 3-in., $5.00 per 100. Cash with order. Stock guaranteed.

WM. C. SMITH, 61st and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.
WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.
NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, **Philadelphia, Pa.**
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

HYACINTHS · TULIPS · NARCISSUS

Best Quality for Forcing and Outdoor Growing

Get your supply now while our stock is complete. Our orders this year average 25% larger than a year ago. This shows our customers are well pleased with Vick Quality Bulbs. In selecting our stock we pay more attention to quality than price.

We prefer to advertise the best, not the cheapest.

The Quality will be Remembered

when the Price has been Forgotten.

If you want the best quality, our prices are low.

Our grower writes concerning our stock:

"We are giving you bulbs of our own growing exclusively, and you may confidently expect large, strong flowers of all varieties. The bulbs ripened in excellent condition, and may be forced much earlier than usual."

Here are some of our Leaders:

SINGLE HYACINTHS

	Per Doz.	Per 100
Baron van Thuyll, fine pink	$0.75	$5.50
Charles Dickens, delicate pink	.80	6.00
General Pelissier, brilliant carmine	.80	6.00
Baroness van Thuyll, pure white	.75	5.50
La Grandesse, pure white	.80	6.00
L'Innocence, pure white	.80	6.00
Grand Maitre, porcelain blue	.75	5.50
King of the Blues, deep blue	.75	5 50
	Per 100	Per 1000
Unnamed, separate colors	$2.25	$25.00

SINGLE TULIPS

	Per 100	Per 1000
Artus	$1.10	$9.50
Belle Alliance	2.20	19.50
Cottage Maid	1.00	8.50
Keizerskroon	1.30	11.00
L'Immaculee	.85	7.50
La Reine	1.00	8.00
Rose Grisdelin	1.10	9.50
Yellow Prince	1.00	8.00
Extra Superfine Mixed	.90	7.50

DOUBLE TULIPS

	Per 100	Per 1000
Alba Maxima	$1.10	$9.00
La Candeur	1.30	11.00
Murillo	1.50	13.00
Purple Crown	1.25	11.00
Rubra Maxima	1.50	13.00
Yellow Rose	1.00	8.00
Superfine Mixed, early sorts	1.10	8.50

LATE TULIPS

Gesneriana spathulata	1.25	10.00
Macrospila	.80	7.00
Picotee	.85	7.50

NARCISSUS

Empress	1.75	15.00
Princeps Maximus	1.00	7.00
Victoria	1.50	13.00
Emperor	1.75	15.00
Golden Spur	2.00	18.00
Trumpet Major	1.10	9.00

DOUBLE NARCISSUS

Orange Phoenix	1.25	10.00
Sulphur Phoenix	1.75	15.00
Von Sion, Double Nose	2.10	19.00

IT PAYS TO BUY THE BEST, NOT THE CHEAPEST——*Mention this paper when ordering*

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

SUCCESS
BRINGS
SUCCESS

ADVERTISING
IN
The Florists' Exchange
PAYS

Florists : :
Seedsmen :
Nurserymen
AND ALLIED
Industries :

Aschmann Bros.

Florists

Second and Bristol Sts. and Rising Sun Avenue

PHILADELPHIA, PA.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii. 5½-6 in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis. 6-in., 50c.; 7-in., 75c. each.
NEPHROLEPIS Whitmani. 4-in., 20c.; 5½-6-in., 40c. and 50c. each.
NEPHROLEPIS Scholzeli. 6-in., 50c. each; 4-in., 20c. each.

Our ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum. 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus nanus. 4-in., $8.00 per 100.
PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis. 4-in., $8.00 per 100.
KENTIA Belmoreana. 4-in., fine plants, 30c. each.
COCOS Weddelliana. 3-in., strong plants, 20c. each.

Cash with order, please.

Our greenhouses are located only four miles from the center of Philadelphia (Market Street) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

5,000 GOVERNOR HERRICK VIOLET PLANTS

Strong, Healthy Stock; $3.00 per 100, $25.00 per 1000.

Cash with Order.

NIKOLAUS HOFMANN, NANUET, (ROCKLAND COUNTY,) N. Y.

Coming Exhibitions

Albany, N. Y., Nov. 10-13, 1910.—Second Annual Flower Show under the auspices of Headquarters Tenth Infantry, N. G., N. Y., at the State Armory. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Show to be held in Convention Hall by Buffalo Florists' Club. Wm. F. Kasting, Chairman of Committee.

Chicago, Ill., Nov. 7-12.—Annual Fall Exhibition of the Horticultural Society of Chicago to be held in the Coliseum, Wabash ave., nr. 15th st. Secretary, J. H. Burdett, 1620 West 104th Place, Chicago, Ill.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., Oct. 26 and 27, 1910.—Tenth annual Fall exhibition of the Lenox Horticultural Society, to be held in the town hall. George H. Instone, secretary, Lenox, Mass.

Milwaukee, Wis., Nov. 7-14.—Flower Show Milwaukee Florists' Club in the Auditorium.

Minneapolis, Minn., Nov. 9 to 13, 1910.—First Flower Show to be given by the Minnesota State Florists' Association at the Armory, Kenwood Parkway. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis, Minn.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Red Bank, N. J., October 26, 27, 1910.—Chrysanthemum exhibition of the Monmouth Co. Horticultural Society, in the Armory, Red Bank.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

American Gladioli Abroad

From Prof. K. Nishijima, of the Imperial Botanic Gardens, Tokio, Japan, Mr. H. H. Groff of Simcoe, Ont., has received the following commendation: "The modern Gladioli supplied by you were an immense success; I have never had larger or better colored flowers and am very much pleased with them. I reported your honor for these to the Japan Horticultural Times."

At the Royal Botanic Gardens, Wisley, England, recently an inspection was made by the Horticultural Trades Association of Great Britain and Ireland of Mr. Groff's Gladioli Dawn and Blue Jay, and these varieties were especially referred to as to quality and value.

Incorporations

Effective October 1, the MacRorie-McLaren Company of San Francisco, incorporated under the laws of the State of California, with a total capitalization of $75,000, the original incorporators being Daniel MacRorie, Donald McLaren and Henry Maier. Following are the officers of the company: Daniel MacRorie, president; Henry Maier, vice-president; Donald McLaren, secretary and treasurer.

Mr. MacRorie and Mr. McLaren are members of the well known house of MacRorie-McLaren Company of San Francisco; Mr. Henry Maier has been for years superintendent of the Stockdale Nurseries at Burlingame, and has laid out a number of large estates surrounding Burlingame and San Mateo and along the Peninsula.

The company has also taken over all the nursery and greenhouse stock of the Stockdale Nurseries, and has opened an office in Burlingame immediately opposite the station. It also announces that it has changed its main offices from the Crocker Building to a suite of rooms in the Westbank Building, corner of Ellis and Market sts.

Ronks, Pa.

Chas. M. Weaver is erecting one new house, 300x43 ft., which is well filled with Sweet Peas and Candytuft. This house is one of the largest in Lancaster Co. The Skinner system of irrigation, having been proven successful in outdoor fields, will be installed in the house when finished. An ash conveyor is being put in position and will prove a time saver in getting ashes out of the boiler room. Due to the irrigation system a crop of Asters was produced this season.

Elmer J. Weaver was busy rebuilding and cleaning up his old houses and installing the Skinner system in both the old and the new houses he is building. These houses are 10x96 ft. and, when finished, will be used for propagating Carnations. A good trade is reported here and the oulook is for a busy season. P. M. R.

Christiana, Pa.

Maurice J. Brinton has some 20 acres of nursery stock which he is anxious to dispose of, as he wants to devote all of his time to the wholesale growing of cut stock. The houses are being repainted inside and out. The large house which was built last Fall is devoted entirely to Carnations. This house is all concrete, planned and built by Mr. Brinton, in which he has incorporated a number of original ideas, well worth following by other florists. One house is devoted to Golden Glow, from which he has been cutting since about Sept. 15. All stock is tied with string instead of being staked. Five houses are devoted to Enchantress Carnations. Seven boilers are required to heat his range. A large number of bulbs will be forced this Fall. One house is devoted to Palms, Ferns and Ficus pandurata. P. M. R.

Greenhouse Building

TOMAH, Wis.—L. Storkel is building two new houses, 18 by 75 ft.

BOZEMAN, MONT.—John Marhalik is erecting a new greenhouse.

ATLANTA, GA.—J. P. Matthessen is erecting an additional greenhouse.

FARMER CITY, ILL.—Bracken & Bay are building a new greenhouse.

SUPERIOR, WIS. — The Superior Floral Co. is erecting a $6000 greenhouse.

JOHNSTOWN, N. Y.—C. E. Schroeder is to build an extension to his greenhouse.

PORT HURON, MICH.—C. W. Asman is building a large addition to his greenhouse.

TRENTON, N. J.—Carlman Ribsam is building five large greenhouses, and is to build eleven more.

YONKERS, N. Y.—William B. Thompson is to erect a new greenhouse at 1013 Broadway in the near future.

MITCHELLVILLE, IA.—A contract has been let for a greenhouse, amounting to $2000, at the State Industrial School for Girls here.

ANACONDA, MONT.—R. M. Greig has purchased a lot on Locust st. in the rear of his greenhouse and will build an additional house 50 by 140 ft.

NEW YORK.—Four concrete greenhouses are to be built near Bronx River Bridge for the City of New York. A. G. Waldreaon, Claremont Park, is the architect; the cost is to be $16,000.

PHILADELPHIA, PA.—Paxson V. James has taken out a permit to erect a greenhouse at 8029 Ridge ave. to cost $1000. J. C. Frasch has also taken out a permit for an $800 house at Salmon st. and Erie ave.



REVERO GARDEN HOSE

It is a Moulded, Indestructible Hose for the Lawn, Greenhouse, Stable and Garage. Being of continuous length, you can get any length wanted up to 500 feet in ONE PIECE—thereby avoiding leaky couplings whenever long lengths are necessary.

REVERE RUBBER CO., Boston, Mass.

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NEW YORK *MINNEAPOLIS*
CHICAGO *NEW ORLEANS*
PHILADELPHIA *SAN FRANCISCO*
PITTSBURG

Please mention the Exchange when writing.

Catalogs Received

H. DEN OUDEN & SON, The Old Farm Nurseries, Boskoop, Holland.—Wholesale Price List of Nursery Stock for 1910-11. Interesting pictures in this catalog are those showing views of the firm's dwelling house, office and packing shed, with steamer on canal which runs past their place, loading cases of Koster's Blue Spruce for America, in part filling of the order for 36,000 young trees of that variety which they received from an American last year.

Trade Notes

ROSWELL, N. M.—The Roswell Floral Co.'s new greenhouses and nursery have been opened for business.

JONESVILLE, MICH.—F. G. Pray has purchased the greenhouse establishment formerly operated by C. I. Poor.

BLOOMINGTON, ILL.—H. L. Bracken and Anderson Ray of Farmer City have bought the G. D. Barnes greenhouse equipment.

MECHANICSVILLE, N. Y.—W. H. Allen has sold the greenhouse recently purchased by him to Charles Shearer of Newman ave.

NAHANT, MASS.—Thos. Roland has purchased a plant at Revere and will make it an auxiliary to his Nahant establishment.

BLANCHESTER, O.—James Burnett, florist, has been confined to his room for some weeks with lung trouble, but is now improving.

PITTSFIELD, ME.—A. J. Loder, florist, has purchased the three greenhouses of Carl Beers, Bangor, and will move them to his establishment here.

NORRISTOWN, PA.—Wm. Catanese, florist, was married Oct. 5 to Miss Anna Giannone, in the Italian Church of San Salvatore. A Norristown local paper gives a full account of the wedding festivities, which were on a large scale, with decorations most lavish in character. Over 800 guests were present at a reception by the bridal couple in City Hall.

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A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

This reliable cultural work has been gotten up for use, not ornament; therefore the price has been fixed at a figure within the reach of all. It contains more real practical information for those for whom it is intended than is found in much more pretentious works.

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Books Every Florist Should Have

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ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

RESIDENTIAL SITES AND ENVIRONMENTS.—Joseph F. Johnston. One of the finest landscape books ever issued. Price, $2.50.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

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Lily of the Valley—Cold Storage

$15.00 per 1000, $1.75 per 100.

ARTHUR T. BODDINGTON

SEEDSMAN Please mention the Exchange when writing. **342 West 14th Street, NEW YORK**

Providence, R. I.

Peter S. Byrnes, Wickford, R. I., is moving and rebuilding two of his houses, one to be used for growing Carnations, the other for bedding plants. He reports business very good.

At a recent visit to T. O'Counor's greenhouses on Blackstone blvd. everything was found in fine condition. Among the leading commodities grown by them are Chrysanthemums, Roses, Carnations, Asparagus, Ferns, and some very fine Cyclamens. The writer found them very busy with wedding and funeral work.

E. J. Johnston has everything looking fine at his place on Rochambeau ave. He reports business very good.

James J. King is building a new dwelling-house and one large greenhouse on his place on Plainfield st., Providence, recently purchased by him.

Otto Hassert, proprietor of the Plainfield Greenhouses, who is successor to James Crawshaw, has some fine Chrysanthemums and Carnations coming on. He reports trade very good.

City Forester Alex. H. Johnson has started planting the Evening Bulletin Maple trees. The first carload of 850 trees arrived in Providence, R. I. last Tuesday, and planting commenced in Olneyville and Federal Hill districts, under the supervision of John Sharkey, foreman and manager of the Elmwood Nurseries, who was instrumental in obtaining the contract for 5000 trees from the city. Mr. Johnson is also on the location committee with Mayor Henry Fletcher, and Prof. J. F. Collins of the dept. of forestry and botany of Brown University. The Elmwood Nurseries are employing 55 men and 10 teams in the planting of these trees. Seventy streets are selected on which the work is to be carried out. The few trees which were planted out last Spring are reported as doing nicely.

Johnston Bros., Dorrance st., have a fine display of Ferns in their show windows, also Chrysanthemums.

Visitors: Mr. Johuson of Boston, Mass., representing the Albert Dickinson Co. was a recent visitor, as also were Mrs. Peter S. Byrnes of Wickford, R. I., J. H. Cushing of Quidnick, R. I., and James J. Karins, representing Henry A. Dreer, Philadelphia, Pa.

O. H. Williams is cutting some very good Carnations and Violets.

The Tribune office window has a fine display of vegetables, including Squash, Sunflower, etc.

The Burke Rose Co. is fixing over its office on Dyer ave. It is cutting some very good Roses at present.

Wm. Hay, Oaklawn, R. I., is cutting a fine lot of Roses which are sold at wholesale in his store on Clemence st., Providence.

Mathew Macnair arrived home from an extensive foreign trip on Tuesday.

The Market

Roses, Bride, Bridesmaids, Richmond, and Killarneys: Firsts, $6 to $8 per 100; seconds, $4 to $6; thirds, $1 to $3; American Beauty, $5 to $25 per 100. Carnations are coming in better quality, and the demand is better; prices range from $1 to $2 per 100. Lily of the Valley, $3 to $4 per 100. Chrysanthemums, $5 to $12.50 per 100. Violets, 25c. to 50c. per 100. Asparagus, 25c. to 50c. per bunch. Adiantum Ferns, $1 to $1.25 per 100 sprays. Easter Lilies, $6 to $8 per 100.

H. C. N.

Albany, N. Y.

Business in Albany is beginning to brighten up after the Summer quiet. H. G. Eyres of North Pearl st. reports that October will be a busy month for him as he has booked quite a number of wedding orders, among them some of our leading society people. He has just now an attractive window display of Palms and Ferns.

F. A. Danker of Maiden lane has made quite an improvement through his new addition; he has also completed his alterations by putting in a new ice-box which takes in the entire back part of his store. He has received quite a few wedding orders, for this month, and some fine funeral designs have left his place this week. Business, he claims, is very good.

W. C. King of Steuben st. has a showing of Boston Ferns and choice Chrysanthemums and is kept busy; a healthy lot of Carnations and Chrysanthemums are coming on at his greenhouses on Madison ave.

Kurth & Burke, the Broadway florists, report business good on pot plants; they also had quite a rush on cut flowers owing to the Jewish holidays last week.

Wm. C. Gloeckner on State st. has arranged his window very artistically, grouping Lily of the Valley, Roses, Palms and Ferns. He has no complaint to offer as to the outlook.

W. H. Hannell of Shaker road has all his greenhouses well filled with Roses, Carnations and Chrysanthemums. He has just completed potting a large quantity of winter flowering bulbs and will be able to give our city florists good service this Winter in cut flowers.

Frederick Goldring of Slingerlands has been cutting some fine Polly Rose, Glory of the Pacific and Golden Glow Chrysanthemums. He is now potting bulbs. His houses of Carnations show good color and look prosperous; Enchantress is the pride of the show.

John J. Berberick, our South End florist on Second ave. is on the list of the busy bees. His alterations have improved his store quite visibly and, with his well-filled greenhouses of plants of all kinds, makes his establishment one of the finest in the city; he reports business as very good.

The Rosery, Tracey & Meany proprietors, carry a well-selected display both in the store and in the windows. Their trade in cut flowers is a good one, and they carry stock in choice seasonable varieties. Trade with them is very good.

L. H. S.

New Bedford, Mass.

Trade in general has been rather quiet here the past week, although funeral work has been very good. Asters are about all done. Some nice Carnations are now coming in and retail at 50c. per doz. Good Roses bring $1.25 and $1.50 per doz. 'Mums $2.50 per doz. Violets 75c. per 100. Some nice Snapdragon retails at 75c. per doz. Dahlias are still in full bloom and are used for window displays, etc. Candytuft and Alyssum help out a good deal in design work. Some nice Killarney Roses, pink and white, are now coming in. Flowers, to date, outdoors are still in full bloom; no frosts as yet. Bulbs are now on sale at the uptown stores. Tulips, Hyacinths, Narcissus and Crocus sell at 35c. per doz. for separate colors; in Tulips and Narcissus 25c. per doz. mixed. Chinese Lilies sell at 10c. each.

Peter Murray has his new house, 42x 162 ft., all planted to Carnations; this house is heated by a No. 8 Kroeschell hot water boiler. He is commencing to cut some fine 'Mums, and will have some nice plants for the holidays.

E. H. Chamberlain is back again, at the store, after a two weeks' sickness.

One of our department stores had a special Fern sale in the past week, selling plants as low as 25c. each.

M. B. Sylvia reports the demand for Privet and hardy plants as good.

Some of the stores close early evenings.

Visitors the past week were: A. Leutby, Roslindale, Mass.; Mr. Smith, of J. J. Roas & Co., Philadelphia; Mr. Greenlaw of Boston.

Florists and Nurserymen's Association of Montana

Florists and nurserymen of Montana assembled Sept. 28 at the State Nursery, Helena, where they were addressed by D. J. Tighe, of the Montana Nursery Co. of Billings, after which it was decided to form a State association to be known as "The Florists and Nurserymen's Association of Montana," for the promotion of the general welfare of the craft in the State. Articles for a constitution were passed and the following officers elected: President, T. E. Mills, Helena; vice-president, D. J. Tighe, Billings; secretary and treasurer, W. J. Hugo, Helena. After the meeting the company was entertained at luncheon by Mr. Mills, of the State Nursery, who also provided automobiles to take the party to the State Fair.

The following were elected members: Charles Burrell, John Feiden, M. Kranz, N. K. Soelberg, Fritz Roll, F. E. Burleigh of Great Falls; R. M. Greig, Roach & Smith, Anaconda; C. F. Burton, Mr. Partington, Billings Greenhouse Co., D. J. Tighe, J. G. Smith, Joseph Hopper of Billings; A. C. Tracy, M. Langohr, Mrs. Langohr of Bozeman; Victor Siegel, B. T. Manlove, Butte Floral Co., S. Hansen, O. C. Miller of Butte; Peter Miller, Chas. O. Horn, M. Miller, Walter Card, W. E. Mills, T. E. Mills, J. W. Jackson, W. J. Hugo, J. W. Mallinson, John Hocking of Helena; C. F. Dallman, Missoula; L. L. Warden, Lewistown; E. H. Kirkland, Livingston; A. R. Salmon, the King Thomas Nursery Co., Fred Whiteside of Kalispell; W. E. McMurray, Bitter Root Valley and Irrigation Co., A. H. Downing, Gray Nursery Co., J. B. Taylor, J. A. Hersham of Hamilton; Yellowstone Nursery, Rockvale; Stilwater Nursery Co., Columbus; H. C. Raymond, Stevenville; Verne Black, Corvallis; H. A. Briggs, Victor.



JACK ROSE DAHLIA

HEADQUARTERS FOR

Florists' Dahlias

Not all Dahlias are suitable for the Commercial Grower; and you will be wiser in knowledge, richer in your pockets, and will not know what it means to be disappointed, if you consult us before making up your list for 1911.

Our Expert Advice Free To All

The Roots we furnish prove by appearance

Michell's "Distinctive" Quality

We defy competitors to furnish better

WRITE US NOW

HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Three Grand New Sweet Peas For 1911

New Lavender Spencer : : "Florence Nightingale"

FLORENCE NIGHTINGALE is by far *the largest and best Lavender Spencer yet introduced!* This statement is warranted by comparative trials at Fordhook and the magnificent field crop at Floradale. Our high opinion of FLORENCE NIGHTINGALE has been confirmed also by the two leading expert English specialists, to whom the originators, MESSRS. ALEX. DICKSON & SONS, of Belfast, had sent a few seeds for advance trial—and whose reports are published by permission in our SPECIAL NOVELTY CIRCULAR.

The flowers are truly magnificent and of immense size. The standard is unusually large and bold, pronouncedly waved, yet standing erect and broad—frequently measuring two inches across. The color is most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose-pink. The large, well-spread wings are of the same coloring, frilled and well waved. It is practically a self color and bunches beautifully—attracting universal admiration. The plant is extremely robust in growth, flowering most profusely. The stout stems attain twelve to sixteen inches in length and a large proportion bear four well placed flowers, as shown in the illustration from photograph. FLORENCE NIGHTINGALE *comes entirely true from seed*—both as to color and the highest ideal Spencer type.

In sealed packets containing ten seeds each: Per pkt. 15c., $1.00 per doz. pkts., $7.00 per 100 pkts. In lots of 500 pkts. or more, $6.25 per 100 pkts. (Cable word, FLORENCE.)

In sealed packets containing twenty seeds each: Per pkt. 25c., $2.00 per doz. pkts., $13.75 per 100 pkts. In lots of 500 pkts. or more, **$12.50 per 100 pkts.** (Cable word, NIGHTGALE.)

Florence Nightingale is very free-flowering, but (like other "Superfine" Spencers) is an extremely shy seeder. The supply is so limited that we fear thousands of planters may have to be disappointed this coming Spring when we shall be compelled doubtless to report **"Sold out."** Those of our friends in the trade who desire to catalog this **sterling Spencer Novelty**, are advised **to order early**, as we **must** reserve sufficient stock seed for planting several acres at our **Floradale Farm,** Lompoc, California, where we shall be pleased to show this and other Novelties to visitors in June next.



A spray of **Florence Nightingale.** "The best lavender." Engraved from a photograph.



A Spray of the Grand New Spencer, **Ethel Roosevelt,**—Accurately Reproduced from a Photograph

New American Spencer, "ETHEL ROOSEVELT"

It is a **true waved variety of the largest and most perfect Spencer type.** There is naturally some variation even in Spencers, and **Ethel Roosevelt** claims the most exclusive Spencer perfection. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of blush crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. It bunches splendidly and will easily lead in this type of coloring for a long time.

We were unable to plant a large acreage owing to the fact that we had only a little seed to sow for 1910 crop, and, like all good Spencers, it flowered freely but refused to seed.—Description of the originators—Messrs. C. C. Morse & Co.

Ethel Roosevelt is undoubtedly the daintiest and most beautiful of all striped or flaked Sweet Peas, and, when known, will be found in all "first-class" collections.

Like the first of this new race, the now famous **Countess Spencer, Ethel Roosevelt** is of strong, robust growth, extremely free flowering, the individual blooms being of truest Spencer type and usually produced in fours on very long stems.

The flowers are of largest size and the "color combination" is unique, though difficult to describe—the ground color being a lovely shade of cream, beautifully flaked and mottled with light rose or pinkish rose, and in addition to this exquisite color scheme the standard and wings are **waved and frilled in truest form,** the wings being well placed and not too open, as in so many varieties of this type. Without doubt a variety of entrancing beauty.—**Our own description from notes at Fordhook Farms, where we have had this grand novelty growing the past two seasons.**

In sealed packets containing 10 seeds each: **Per pkt., 15c., $1.00 per doz. pkts., $7.00 per 100 pkts.** In lots of 500 pkts or more, **$6.25 per 100 pkts.** (Cable word, **Ethel.**)

In sealed packets containing 20 seeds each: **Per pkt. 25c., $2.00 per doz. pkts., $13.75 per 100 pkts.** In lots of 500 pkts. or more, **$12.50 per 100 pkts.** (Cable word, **Roosevelt.**)

New Sweet Pea, "ROSE du BARRI"

This new Grandiflora affords **an entirely new shade** in Sweet Peas. The name itself suggests the color, which is a lovely combination of deep, rich, carmine-rose and orange. While the flower is not of Spencer form or size, yet it is slightly waved and for boutonnières or table decoration it is **"really a gem."** Its brilliant beauty must appeal to every lover of esthetic shades.

The plants, of strong vigorous growth, are wonderfully profuse in bloom—and every flower is alike! The crops growing at our Fordhook Farms have attracted great attention the past two seasons. One of the leading experts of England—Mr. A. Ireland, Marks Tey, Essex—who had a few seeds for advance trial this year, writes: "It is **unique** and **distinct,** a charming flower of deep rose color, overlaid with a **lovely sheen of terra cotta.** Foliage and haulm very dark green. One of the best decorative peas ever introduced. For artificial light it is **unsurpassed.**"

In sealed packets containing twenty seeds each: **Per pkt. 15c., $1.00 per doz. pkts., $7.00 per 100 pkts.** In lots of 500 pkts. or more, **$6.25 per 100 pkts.** (Cable word, **"Dubarri."**)

Our Eight-Page NOVELTY CIRCULAR OF NEW SWEET PEAS is now ready to mail to the trade. Shall we send you a copy? Every florist and seedsman who would keep "up-to-date" in the Sweet Pea line will surely want to handle the three superb novelties advertised in this page. Each of these comes entirely true from seed and is sure to give entire satisfaction.

FOR 1911

The Three New Sweet Peas will be supplied to the Trade in Great Britain and Ireland at our established wholesale prices by the following

Special Agents:

MESSRS. HURST & SON, - 152 Houndsditch, London, E.

MESSRS. COOPER, TABER & CO., 90-92 Southwark St., London, S. E.

MESSRS. WATKINS & SIMPSON, 12 Tavistock Street Covent Garden, LONDON, W. C.

MESSRS. NUTTING & SONS, 106 Southwark St., London, S. E.

The four firms, named above, are authorized also to accept orders at our advertised wholesale prices for seed of MARIE CORELLI, W. T. HUTCHINS and SENATOR SPENCER, offered upon OUR SPECIAL CIRCULAR. These have come true to our descriptions of last year, as now repeated.

W. ATLEE BURPEE & CO. Seed Growers Philadelphia, Pa.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A1 grower of Roses and Carnations. Address "Florist," 156 E. 33d St., New York City.

SITUATION WANTED—By florist, sober and industrious, capable of taking charge. 5 years on last place. Address L. F., care The Florists' Exchange.

SITUATION WANTED—By Rose Grower; American Beauties a specialty; 10 years' experience. Age 30, nationality American. Address John Croghan, 125 Main St., Westerly, R. I.

SITUATION WANTED—By foreman with 27 years' experience in Roses, Carnations, 'Mums, pot plants, decorating and designing. First-class Rose grafter. Address "Foreman," Box 618, Babylon, L. I., N. Y.

SITUATION WANTED—By a Scandinavian, 25 years of age, single; experienced in Roses, Carnations, 'Mums and general stock. Best of references. Address L. O., care The Florists' Exchange.

SITUATION WANTED—BY a single man, aged 34, 20 years' experience as grower of Roses, Carnations and bedding stock. Roses a specialty. First class references. Address John W. Lawson, Long Branch, N. J.

SITUATION WANTED—By German, 39, temperate, good references; A No. 1 Carnation grower, also well versed with Roses, 'Mums, Smilax, etc. Able to take full charge. Address L. M., care The Florists' Exchange.

SITUATION WANTED—By first class florist and landscape man, 13 years' practical experience, at present employed as head gardener on large country place. Please state full particulars in first letter. Address L. C., care The Florists' Exchange.

SITUATION WANTED—By an all-around florist, especially good in Carnations. Married, 12 years' experience, temperate. References. Competent to assume full charge. East preferred. Address Marshall Parker, Kennett Square, Pa.

SITUATION WANTED—By a first-class New York City florist and decorator with experience in the best stores and acquainted with the best trade. Only first-class stores considered. Best of references. Address, K. E., care The Florists' Exchange.

SITUATION WANTED—By German gardener on first class private or commercial place; 31 years of age, good all-around experience, able to take charge. First class references. Please address, stating wages and particulars, L. G., care The Florists' Exchange.

SITUATION WANTED—By married man, 20 years' experience in greenhouse work, landscaping and nursery. Able to make plans and to take charge in laying out of work. Good references can be furnished. Brooklyn or New York preferred. Address L. B., care The Florists' Exchange.

SITUATION WANTED—By a competent head gardener, age 37, English, married, 22 years' first-class experience. A position in New York State preferred where there is glass. References exchanged. Address George Norris, care of De Morest's Hotel, 98 Barclay street, New York City.

SITUATION WANTED—By first class Rose and Carnation grower. Advertiser is 27 years of age, has 13 years' all-around experience, is sober, reliable and a good worker; would like a place where chance for advancement is given. Please state wages and full particulars. Address L. D., care The Florists' Exchange.

SITUATION WANTED—By young man, American, in Carnation Section or on commercial place; strictly temperate and reliable. Good references can be furnished. Address L. H., care of The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 41 years of age, German, single, sober and good worker; experience from private and commercial places on under glass and outside work. Good maker-up. Experience in Roses, Carnations and 'Mums. First-class references from former and last employer. Address A. R., care E. Green, 169 Morningside Ave., New York City.

Continued to next Column.

SITUATIONS WANTED

SITUATION WANTED—By a competent Head-Gardener, age 37, English, 22 years' first-class experience. A position in New York State preferred, where there is glass. References exchanged. Address GEORGE NORRIS, care of De Morest's Hotel, 98 Barclay street, New York City.

HELP WANTED

WANTED—Night fireman for four steam boilers; married man preferred. State wages and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—Designer and decorator for store in South. Salary $25.00 per week. References required. Address L. A., care The Florists' Exchange.

WANTED AT ONCE—A strictly sober, well recommended man for greenhouse work. One with experience in growing Ferns preferred. Wages $12.00 per week. J. F. Anderson, Short Hills, N. J.

WANTED—Single man with experience in general greenhouse work, especially in Carnations and Palms, etc., on private place. State nationality and wages wanted. Address L. K., care The Florists' Exchange.

WANTED AT ONCE—Competent grower of 'Mums, Ferns, Easter Plants and Bedding Stock as foreman; must be capable of taking full charge of 25,000 feet of glass. $60.00 per month and room. Address with references, T. Malbranc, Johnstown, Pa.

WANTED—For a private place, a thoroughly competent greenhouse foreman, experienced in store and greenhouse plants, fruit and general forcing. Good wages paid to the man that can meet the requirements. Write, giving references, wages wanted, etc. L. N care The Florists' Exchange.

NIGHT FIREMAN WANTED

Young man who understands night firing on place of about ten thousand feet, and willing to make himself generally useful; American preferred. Good furnished room near the boilers; heat and light free. Wages Forty Dollars to commence; advanced as fast as proves up. A chance for a man anxious to learn Roses. Enclose copies of references. I. M. Rayner, Greenport, N. Y.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. EDW. J. TAYLOR, Greens Farms, Conn.

FLORIST WANTED

A capable man for general greenhouse work to grow soft stock and Rose plants; no cut flowers. Must write a good hand and be competent to take charge of a small range of houses and fill orders. Send references and wages wanted. A good job to the right man. Must be prepared to come at once.

Otto Schwill & Co., Seedsmen,
18-20 S. Front St.,
Memphis, Tenn.

STOCK FOR SALE

CARNATIONS

300 Carnation Plants, mostly Boston Market and a few Enchantress and Scott among them, at $4.00 per 100 or $10.00 for the whole lot. Th. F. Van de Meulen, Dunkirk, N. Y.

500 STRONG, HEALTHY FIELD CARNATIONS, Harry Fenn, $5.00 per 100. Few hundred second size at $2.00 per 100. Bargain price for whole lot. Jacob H. Weaver, R. F. D. No. 6, Lancaster, Pa.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

MISCELLANEOUS

STOCK FOR SALE—Field grown Vincas, $4.00 and $5.00 per hundred. Orvis, Florist, Elmira, N. Y.

PANSY PLANTS, fancy show and giant market blends, ready now, $2.00 per 1000. Cash. F. E. Saunders, 25 Burnett st., Providence, R. I.

STOCK FOR SALE—Young Ptychosperma Alexandrae seedlings in surplus. Make us offer for quantity you need, per 100 or 1000, postpaid. Royal Palm Nurseries, Oneco, Florida.

STOCK FOR SALE—Stocky, strong plants of Daisy Snowball (white), Longfellow pink. Double Sweet William and Exhibition Pansies, 50 cents per 100, $1.00 per 250, $3.00 per 1000. R. Monaghan, Abington, Pa.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Richmond Rose Plants, hardy, two years, field-grown, bloom from Spring to frost—fine for pots or beds, $3.50 per 25, $6.50 per 50, $12.00 per 100. R. Monaghan, Abington, Pa.

VINCA, Variegated and Green, strong field-grown plants, $4.00 per 100, $35.00 per 1000. Cash with order please. France & Vandegrift, 401 Washington St., Monroe, Mich.

STEVIA, large pruned field plants, $5.00 per 100. STOCK CHRYSANTHEMUM PLANTS ready: Golden Glow, Reviere, October Frost, $3.00 per 100, $20.00 per 1000. I. M. Rayner, Greenport, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

CLUMPS OF ASPARAGUS.

Large clumps of Plumosa, two-years-old, at $15.00 per 100. Sprengeri at $7.00 per 100. If you can use them, they are a bargain. The Saltford Flower Shop, Poughkeepsie, N. Y.

PERFECT specimen trees, 15 to 25 ft. tall, 2½ to 8 inches caliper, Norway and Schwedler Maples, Poplars, Beeches, Lindens, Catalpa, Bungii, Wier's Cut-leaved Maples, etc.—Prices low; write us. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100. ASPARAGUS Plumosus, 3-in., $4.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

PEONIES, best varieties, fine strong roots, $6 per 100; Festiva Maxima, $12 per 100. Strong field-grown Phlox, ready to bloom next summer $3.50 per 100; following varieties: Boule de feu, bright red; Jeanne d'Arc, white; Athis, bright pink; and others: Hardy Marguerite, $4 per 100. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

STOCK PLANTS OF CHRYSANTHEMUMS

Golden Glow can ship at once. Will have the following varieties, Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann, $1.00 per dozen, $5.00 per 100. Satisfaction guaranteed.

Brant Broe. Inc., Utica, New York.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Cash with order.

HENRY RUDOLPH, Essex Fells, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

SURPLUS STOCK FOR SALE

500,000 California Privet, strong plants, all sizes, from 1½ feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Do not advise shipping until cooler weather; inspection invited. Wood, Harmon & Co., Nursery Department, Church ave., and E. 58th st., Brooklyn, N. Y.

Geranium Growers, Attention!!

The entire stock, 400 plants of

Miller's Pride Geranium

(SEEDLING)

MUST BE SOLD

Certificate of Merit, Rochester Convention, 1910. It fills a long felt want. Exchange correspondence solicited from those looking for a money maker. Address

H. YOUELL, 538 Cedar Street, SYRACUSE, N. Y.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

STOCK WANTED

Wanted Chrysanthemums

We wish consignments of first-class Chrysanthemums; all colors and varieties. Good prices and prompt settlements.

A. L. Young & Co., Wholesale Florists, 54 West 28th Street, New York

WANTED—Prices and samples on 3000 **Crimson Rambler** from 3 to 5 ft. high and 3 to 4 canes.

Also prices on **Geraniums,** rooted cuttings, 2000 **Poitevine,** 2000 **Nutt,** 2000 **Grant.**

P. WAGNER, Troy Ave. & Midwood St., Flatbush, Brooklyn, N. Y.

FOR SALE OR RENT

TO LET OR FOR SALE—10 miles from Boston: 7 greenhouses recently remodeled, 2 acres of land, 8-room house and barn; all in good condition. J. G. Forbes, Freeman st., Auburndale, Mass.

FOR SALE—Only $955.00 cash will buy a good florist business in fine locality; fully prepared with nice clean stock for Fall rush. Selling on account of inheritance in Europe. Address C. E., care The Florists' Exchange.

FOR RENT—Greenhouse and land. Apply to the WESTBURY HOTEL, Westbury, L. I.

FOR SALE—Florist business; established 16 years; well known. Doing a good business. Best of reasons for selling. Mrs. F. Kahles, 5221 Third Ave., N. Y. City.

FOR SALE

Controlling Interest in a Well-Paying Seed Business Located in the East

Now doing a business of about $100,000 and with capital can be increased with very little push. Owner must retire on account of health. An opportunity of a life time to one or two young men who can control $18,000 capital. Only principals considered and references exchanged.

Address I. L., care The Florists' Exchange.

Greenhouse Property For Sale

About 12,500 feet of glass in ten greenhouses, fully stocked with Carnations, Chrysanthemums, Stevia, Callas, Asparagus plumosus, Ferns, Daisies and bedding plants for Spring sale; also about 1000 Cypripediums showing bud. The plant is heated with 5 Weathered boilers, tubular boiler and Blake pump for watering. Place to be sold on account of sickness. Will sell cheap. Can be sold subject to mortgage.

GEORGE WELCH, BOX 95 Ramsey, N. J.

Small Fruit and Market Garden Farm

For Sale on Long Island

The subscriber offers for sale a Small Fruit and Market Garden Farm on the South side of Long Island in a noted Summer Resort Section. The property consists of greenhouses, store, barn, dwelling house and about three acres of well cultivated soil. The reason for selling is a recent death in the family. Can be purchased with or without house, for a small part cash and balance on mortgage. Full particulars upon application to

FARM, care Florists' Exchange.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

SUNDRIES FOR SALE

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—One Kroeschell boiler, good as new which will heat 4,000 feet of pipe. Also new sash for sale. K. Gelb & Sons, 229 Livingston St., Newark, N. J.

FOR SALE.—2 Royal, 11 sectional, one is good as new, 3360 feet radiation at low price. Also 2 tank heaters. Albert & Davidson, 68 Troutman St., Brooklyn, N. Y.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

AUTOMOBILISTS' ATTENTION. — Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $176. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap. I. Snesserman, 229 Livingston St., Newark, N. J.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE

8000 Second Hand Steel Wire Stakes, of various lengths, from 3 feet to 6 feet. Will be sold very low for cash.

S. C. NASH, Clifton, N. J.

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
15,000 sq. feet 10 x 12 double thick glass.
15,000 sq. feet 1½, 2 and 3-in. pipe,
6,000 flower pots, asst. sizes.
Three large boilers (hot water) cash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

FOR SALE—One Mercer Hot Water Boiler, 7 section, rated at 1450 square feet. Boiler in use only 2 seasons; in good order; fully guaranteed; taken out owing to the increase of plant; price $80.00. John A. Scollay, 74 Myrtle Avenue, Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—For a term of years 2 or 3 greenhouses (5-6000 feet of glass) and about 2-3 acres of land, convenient to New York market. Edouard Matthes, Woodside, L. I.

WANTED—To correspond with retailers who wish a steady supply of cut sprays of first class Asparagus Sprengeri. Each spray has its tip. No cut-in-twos. S. E. Boyden, Holden, Mass.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.46c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 5 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1406 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER

Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.

Design Book

It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.

This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents.

Positively this Design Book can be obtained only through becoming a subscriber.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of, purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. SCOLLAY.

I have a 5 horse power upright tubular steam boiler and would like to know if it could be used for hot water boiler to heat a house, 25 x 100 ft., to 55° at night. The house is 14 ft. to ridge, 6 ft. high on north side, 4 ft. on south side, with 2 ft. of glass. Boiler shed at the west end of house. I have solid benches and would like to know how many runs of two inch pipe it would take to heat the house. Boiler pit will be about 2 ft. deep as we are near the seashore and cannot go very low—W. J. H., N. J.

—You will require not less than 3½ in. main overhead running to the far end of your house, supplying from this main 16 lines of 2-in. pipe, properly hung to the sides of the house or to the sides of the beds.

I would recommend a boiler of not less than 1400 ft. 4″ pipe, capacity rated by reputatable greenhouse boiler manufacturers. Be careful not to confound this with boilers rated simply by square feet of radiation. Some regular greenhouse boiler makers give boilers their correct rating in feet of 4″ pipe and allow the amount of radiation to be the same as the number of feet 4″ pipe. Those doing this conservatively rate their boilers. Others make a deduction and it is for that reason, we suggest you procure boilers always rated by greenhouse boiler makers in feet of 4 in. pipe.

The five horse power steam boiler you have can be used for hot water, but is too small for your purpose as an economical proposition. Its maximum capacity in hot water would be 800 feet 4″ pipe or about 1300 feet 2″ pipe and then the conditions must be the best for this is the extreme rate.

As to the shallow depth of your boiler pit, a heat generator would probably be of service to you. This is usually located on the expansion pipe between the expansion tank and the connection to that part of the apparatus to which the expansion tank is connected—in my practice, usually at the boiler or some position near same.

On a low pressure steam heating system would 1″ returns be sufficient to carry off condensation and insure proper circulation in coils consisting of two 1¼″ flows with one return of 1″ pipe? This for any length of house.—W. S. S., N. J.

—Of course you realize that there is a limit as to the length of coils of 1¼″ pipe that you can carry steam in any low pressure job. In my practice, using 1″ pipe for a return, I generally put upon that size return main 300 feet of 1¼″ pipe. By this, you will see that I would not recommend carrying more than two 1¼″ pipes 150 feet long on a 1″ return.

Catalogs Received

W. W. BARNARD CO., Chicago, Ill.—Wholesale Price List of Seeds, Bulbs, and Florists' Supplies. Illustrated.

F. W. KELSEY NURSERY CO., 150 Broadway, New York.—Trees, Shrubs and Hardy Plants—Suggestions and Special Prices. A 6 p. folder.

STATE NURSERY CO. OF MONTANA, Helena, Mont.—Bulbs and plants for Montanians. A catalog of Bulbs and Plants to suit planters in the State. Illustrated.

MICHLER BROS. CO., Lexington, Ky.—1910 Fall Catalog of Bulbs, Perpetual and Climbing Roses, Hardy Shrubs, Vines and Climbers, etc., for Fall Planting. Illustrated.

15,000 Golden Privet

4 to 5 years old

4 and 5 feet high, per hundred, $15.00.
2 to 4 feet high, per hundred $10.00.

Please mention the Exchange when writing.

Ch. Koehler's Nurseries, Cheltenham, Pa.

For Sale—Some Bargains

100 large stools of Rhubarb (Linnaeus) in fine shape for forcing.

Short Nursery row of English Ivy, long strings, on the ground, good for florist-decorating or propagation.

100 plants of Mammoth Sage in the ground, 1 ft. high, large enough for 4-in pots.

100 Maple trees (Norway and Silver) 4 to 6 in. Caliper, have been transplanted and have good roots; also, 400-500 smaller Maples recently transplanted, of 2-4 in. Caliper.

500 Flowering Shrubs, 4-6 ft., including Lilacs, Snowballs, Spireas, Deutzias, Forsythias and Altheas.

200 Large Climbing Roses including Baltimore Belle, Queen of the Prairie, Crimson Rambler and Russel's Cottage.

E. P. BEEBE, 15 Floral Ave., ELIZABETH, N. J.

Please mention the Exchange when writing.

Look!Look!Look!

6000 Field-grown **VINCAS,** fine, 1st size, $4.00 per 100; 2nd size, $3.00 per 100. Cash with order please. Also, 500 **Whitmani** and **Elegantissima FERNS,** at 15c., 20c., 30c., 40c., and 50c. each.

Will exchange for good **Winsor, Beacon, White Enchantress** or **Rose Pink Enchantress Carnations.**

W. T. HILLBORN

Newtown, Bucks Co., Pa.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Markal St. **PHILADELPHIA, PA**

Please mention the Exchange when writing.

VINCAS and CARNATIONS

Strong, field clumps, **VINCA VARIEGATED,** $2.00 to $5.00 per 100.

Field clumps of **CARNATIONS,** strong and healthy, **Winsor, Harlowarden, Boston Market, Enchantress,** $4.00 to $5.00 per 100. Cash with order.

J. J. ARNOLD, HOMER, N. Y.

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our Greenhouses, in 7 inch and 8 inch pots, 2 to 3 feet tall, price **$2.50** and **$3.00** each

JULIUS ROEHRS CO., Rutherford, N. J.

Please mention the Exchange when writing.

Lancaster, Pa.

At the Lancaster Co. Fair

The big Lancaster Co. Fair was held Sept. 27 to 30, and was well attended by nearly all the Lancaster florists and a large majority of the people throughout the county. A number of our local nurserymen and florists were among the exhibitors. About 80 premiums were offered. B. F. Barr & Co. had the largest exhibit, consisting of potted stock, funeral designs, cut flowers and fine specimen plants.

Mr. Bolton, of the Liberty Square Nursery, Drumore Township, had a collection of greenhouse plants, Geraniums, 27 varieties of Coleus, Chrysanthemums in pots, and flowering Begonias; also a collection of Arborvitæ, and a number of Norway and Sugar Maples.

W. S. Krady of the Mount Joy Nursery showed fruit, ornamental and shade trees in variety, with a quantity of Privet stock of which he has several acres. He also exhibited samples of Ginseng root, showing the first, second and third year growths.

The Rake-Straw Pile Co. of Kennett Square, Pa., had an attractive exhibit of fruit, ornamental and evergreen stock.

J. G. Harrison & Sons of Berlin, Md., had a general exhibit of trees, shrubs and Privet, and report an excellent business. This nursery is one of the largest in the country, containing over 2000 acres, devoted mainly to fruit trees.

General Notes on the City's Growers

H. A. Schroyer of Harrisburg ave. and 151 N. Queen st., carries a full line of supplies for funeral work and a complete stock of seeds. The window display is well taken care of by Miss Lulu Dundore, manager of the flower department. Some exceedingly fine 'Mums were shown as a sample of the stock grown in the greenhouses. The range is the largest in Lancaster Co., and is devoted to the retail business.

B. F. Barr & Co. report business as exceedingly good. The store at 116 N. Queen st. is one of the best arranged in the country, having a combination of icebox and counter with glass sides and top, offering an excellent means of displaying stock. At the rear of the store is a display room for pottery, seeds and bulbs, and back of that is an uptodate conservatory which is well lighted; the entire store is one of the "Bright Spots" of Lancaster.

Walter A. Hammond is now in business for himself at 24 W. Orange st., Mr. Gompf, a former partner of Mr. Hammond's, withdrawing a short time ago and being in business elsewhere. A good trade is reported here, especially in design work. Eugene W. Martin, formerly with Schroyer for the past three years, is employed by Mr. Hammond. A recent design piece was a representation of a tract of land which had been cut up into building lots, showing streets, trees and a few dwellings. This piece was made for a dinner given by some real estate men.

Thos. R. Fries of "Williamson's Green House" disposes of his stock at the local market. He has a nice collection of pot plants, 'Mums and Ferns, and is getting a quantity of bulbous stock ready for the coming season.

The Wheatland Aquarium and Greenhouse Co. have just finished a large house, 140x30 ft., and the range now consists of about 15,000 sq. ft., devoted to Carnations, 'Mums, Sweet Peas and Daisies. The Aquarium consists of 10 pools, each 8x10 ft., in a 70-ft. house. About 200,000 of the common variety of goldfish is stocked, besides the Japanese, Calico, Telescope, Fantail and other fancy varieties. One fancy variety sells at about $37 per ounce. The outdoor pools are scattered about the "Wheatlands." Very little business has been done so far in the fancy varieties, as the firm is endeavoring to work up a stock. They have nearly 7000 Chrysanthemums, all of which are in the best of condition and show promise of an excellent crop; Golden Glow in quantity has been shipped during the past two weeks. The new house, which is devoted to Carnations, was put up in just four weeks' time, which is considered something of a record breaker in this locality. Sweet Peas and Daisies will follow the 'Mums.

One of our local growers is telling a good story about himself. It seems he ordered a quantity of Pecky Cypress from an out-of-town concern; when it was delivered he kicked and ordered the driver of the team to return it to the freight station as it was full of knots and holes. By the time he had discovered his mistake, and had the lumber returned to his place, it had cost him $3.50 to learn what was meant by the term "Pecky Cypress."

Oscar P. Warfel, of Rohrerstown, Pa., reports an unusually good Peach crop. He grows Carnations, Peas, Freesia and Easter stock in his 7,000 sq. ft. of glass; a short time ago he lost 6,000 sq. ft. by hail.

Jacob Flear of 756 High st. is growing 'Mums, Geraniums, Pansies and mixed stock all of which he sells at wholesale only. He reports business as being unusually good.

Fred Ritchy of 720 Columbia ave. has just finished two new houses, 80 x 18 and 80 x 23 ft. Concrete construction is used throughout and the houses are built to stand. He grows nothing but Geraniums of the old standard double varieties. Mr. Ritchy has been market gardening all his life, starting some two years ago to grow Geraniums. He has found it necessary to build additional glass each year to take care of his rapidly increasing rooted cutting trade. The Skinner system of irrigation has been installed here and has proven entirely satisfactory. Mr. Richy has several dairy thermometers on duty all the time in his propagating benches.

Frank A. Suter, 619 So. Queen st. reported a nice crop of Asters and a good lot of funeral work. In addition to his South Queen range he has about 5,000 sq. ft. on the Philadelphia Pike devoted to Carnations. He has a quantity of 'Mums and Sweet Peas.

Geo. G. Goldbach has his houses well stocked with Callas, Sweet Peas, Carnations, Kaiserin Roses and a few 'Mums. All stock is looking good; some retail work is had here although he does not cater to it. P. M. R.

West Chester, Pa.

Joseph Kift reports business as picking up nicely after the usual dull Summer, very good funeral work being had. All the houses have been thoroughly overhauled and put into condition for Fall trade. Some twelve years ago Mr. Kift conceived the idea of putting a quarter-inch concrete over all his benches, and at this time they are all in good condition, only one having had to be replaced. The houses are devoted to a general assortment of stock for his retail and wholesale trade. Chrysanthemums and Roses are showing up nicely. Mr. Kift has a large Mushroom plant, in fact, the largest in West Chester, from which he does quite an extensive business.

Thos. P. McKay, 124 Market st., the only retailer, came here about Feb. 1; up to the present time business has been very encouraging. Mr. McKay has had quite extensive experience in the growing end, and is building up a desirable trade in landscape gardening.

Edward Swayne, in his position in the prothonotary's office, finds he is too busy to attend to his greenhouse, and is anxious to obtain a buyer for the property, which consists of two acres, 3½ miles from West Chester, with dwelling, outbuildings and greenhouse 100x56 ft. Sweet Peas have been the most profitable crop for Mr. Swayne. His vacation was spent in a four-acre Peony patch.

Geo. Way, Jr., is now located at 131 E. Gay st., where he has one house devoted to Carnations, Roses and bedding plants. P. M. R.

Mount Joy, Pa.

M. E. & R. Hoffer are growing a nice lot of 'Mums, a good assortment of Ferns, a few Palms, and a mixed assortment of bedding plants, among which is a nice lot of Rex Begonia. Considerable retail work is had here, including funeral.

David H. Zerphey has his house utilized in Sweet Peas and bedding plants, which show promise of being very fine stock. P. M. R.



THE NEW FERN NEPHROLEPIS DREYERII

(SPORT OF BOSTON)

THIS New Fern, when exhibited at the S. A. F. & O. H. Convention recently, received the following description: "Nephrolepis Dreyerii has *many good points* which will render it *popular*. It makes a *quick growth*, is *compact*, of *good color*, and stands considerable *rough treatment*, adapting itself to almost any condition. It is of the Scottii type, but *not as stiff*, the fronds drooping *gracefully*, giving the plant a very *attractive appearance*."

Ready for delivery after October 1. PRICE: 2¼ inch pots, per 100 $25.00; per 1000 $200.00

KESSLER BROS., 136-138 West 28th St., NEW YORK CITY
Grown by G. Dreyer, Elmhurst, Long Island

Please mention the Exchange when writing.

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . . . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00
7-in. pots, 3 plants in a pot, 36 in. high	2.50

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.

5-in. pots, 18 to 24 in. high, splendid plants, 75c. ea.

7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Livistona Rotundifolia

We offer a fine lot of this desirable miniature Fan-Palm.

4-in. pots, $3.50 per doz., $25.00 per 100.

Phoenix Rupicola

	Each
Good 6-in. pots	$1.50
Good 8-in. tubs	2.50

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

FINE FERNS

Nephrolepis Bostoniensis

(The Boston Fern)

	Each
6-in. pots	$0.50
10-in. pans	2.00

Nephrolepis Scholzeli

(Crested Scott Fern)

2¼-in. pots, $1.25 per doz., $8.00 per 100, $75.00 per 1000.

6-in. pots, 50c. each. 10-in. pans, $2.50 each. 8-in. pots, $1.00 each.

Nephrolepis Whitmani

(The Improved Ostrich Plume Fern)

2¼-in. pots, 75c. per doz., $5.00 per 100, $40.00 per 1000.

4-in. pots, 25c. each. 6-in. pots, 50c. each. 10-in. pans, $2.00 each.

Asplenium Nidus Avis

(The Bird-Nest Fern)

A nice thrifty lot of this interesting Fern.

	Each.	Doz.
3-in. pots	$0.30	$3.00
4-in. pots	.40	4.00

Pteris Wilsoni

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	Per 1000
5-in. pans	$25.00	
6-in. pans	35.00	
2¼-in. pots	3.50	$30.00

Araucaria Excelsa

	Each.
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in. high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Glauca

	Each.
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Araucaria Robusta Compacta

	Each.
5-in. pots, 10 to 12 in. high, 2 to 3 tiers	$0.75
6-in. pots, 12 to 14 in. high, 2 to 3 tiers	1.25
7-in. pots, 16 to 18 in. high, 3 to 4 tiers	1.50

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each.
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Dracaena Massangeana

	Each.
4-in. pots	$0.50
5-in. pots	.75

Pandanus Veitchii

A grand lot of well colored, perfect plants.

	Each.
6-in. pots	$1.00

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

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CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.



NEW YORK, Oct. 12.—Today the cut flower market is in a sluggish condition. This is brought about partly by an abundant supply of certain stocks, and partly by the diminished demand compared with one week ago. Except in the case of American Beauty Roses there is a tendency toward smaller prices on all stocks, and lower averages on sales of all flowers are found after the clean up, even when one can be effected.

The supply of American Beauty Roses today is only moderate, but it is sufficient to satisfy every demand. A clearance is effected, and the prices remain about the same, although with a tendency to weaken; specials are selling at from 20c. to 30c. each, and No. 3 at 75c. to $1.50 per 100. All other Roses are fairly abundant but the demand is slow, and a clean up is brought about only at some sacrifice. The top price on all varieties is about $5 per 100, and the lowest 50c. to 75c. Killarney and My Maryland move best, Kaiserin next, and Richmond, Bride and Bridesmaid move very slowly.

Carnations are arriving freely, are of good quality, and are selling as well as can be expected in the present condition of the market. The top price is 3c. each, and the lowest $1 per 100.

Orchids are very plentiful. The demand does not keep pace with increased supply, and sales are made at almost unquotable figures. A few of the choicest Cattleyas may realize 50c. each, but this is exceptional; the range of price is from 25c. each, or even less, up to 40c. each. Gardenias share in the general depression of the market, and the moderate supply is moved with difficulty, at prices ranging from 50c. to $2 per dozen. Lilies are only in fair supply, but their sale is curtailed by the advent of the white 'Mums, and 6c. each is the top price. Lily of the Valley is abundant and moves slowly at $1 to $3 per 100.

Many good 'Mums are seen, and they are claiming their place in the market, and are moving as well, perhaps, as any flower, but not at increased prices; $6 per dozen, indeed, is demanded for a few exhibition blooms, but aside from these $3 per dozen is the limit.

There is a deluge of Dahlias today, and they cannot be moved. Prices are way down, ranging from 25c. to $2 per 100, with few sales above the $1 mark. Some fairly good Violets are arriving, but they sell very slowly at from 20c. to 40c. per 100, mostly at the lower figure and even at less in an attempt to clean up.

All greens are abundant, but the demand is very light.

PHILADELPHIA, Oct. 10.—The market on Saturday was cleaned up with the exception of a few Dahlias too poor in quality to find a buyer. Today almost all stock is moving moderately well, and nearly every item shows an increase in price. Dahlias are still more in evidence than any other flower.

American Beauty Roses are not over abundant; indeed, the medium grades are a little shy. This, coupled with a steady demand, causes an easy clean up at good prices. Specials are realizing $4 per dozen in moderate sales and 30c. each in larger numbers. The price for the lowest grade is 6c. each. All other Roses are arriving in larger numbers. Pink Roses are coming in more abundantly than white ones, but the latter are more frequently asked for. My Maryland is the favorite among the pink Roses, and Killarney among the whites, with Kaiserin a close second. Richmond is steadily improving in quality and consequently in favor. Bride and Bridesmaid must be of better quality to establish themselves again as favorite Roses. A heavier demand for all Roses balances the increase in number and causes a tendency to higher prices. The choicest blooms of Killarney, My Maryland, Richmond, Mrs. Jardine and Kaiserin bring 8c. each, and the lowest grade of blooms of the same varieties bring 3c. each, excepting Kaiserin which sells for 2c. With Bride, Bridesmaid, and Golden Gate the range of price is 2c. to 6c. each, and with Perle 3c. to 6c.

Carnations are more strongly in evidence, but the sales of this popular favorite keep pace with the increase. The range of price is 1c. to 3c. each with a few sales of some very choice varieties at 4c. each.

The supply of Orchids covers more kinds, but is not as heavy as last week. The demand is a little better, but 50c. each is the limit price for the best Cattleyas. Gardenias are only moderately plentiful, and with a fair demand existing prices are not only maintained but with the best blooms there is a slight tendency toward an increased price.

Lilies are not abundant, and prices are firm at $1.50 per dozen. The supply of Lily of the Valley and the demand are well balanced. Some very choice blooms realize $5 per 100, but this price is exceptional, and $2 to $4 is the range of price in most sales.

Dahlias continue to arrive in large numbers, and have a heavy sale at the same range of prices, namely 50c. to $3 per 100. The supply of 'Mums is steadily increasing and shows a larger range of varieties, and improvement in quality. The sales are quite satisfactory at $2 to $3 per dozen. Daisies are claiming attention again at $1 to $1.50 per 100, and Bouvardia at $2 per 100.

All greens are selling more freely; Adiantum at $1 per 100, Asparagus plumosus at 35c. to 50c. per bunch, and Smilax at 15c. to 20c. per string.

BOSTON, Oct. 11.—Owing to the extremely hot weather, and the Jewish New Year, the business done this week was considerably less than last week. However, it was an off week with crops and there was very little surplus. The most evident flowers in the market this week are Chrysanthemums; there are quite a number of new varieties added to those that we had a week ago, and they are of very fine quality; the prices remain much the same as those of a week ago—$1.50 to $2.50 per doz.

Roses are quite plentiful and of good quality. Killarney, both pink and white, are the favorites. American Beauty is of better quality and in good demand. Rose Aaron Ward is displayed in nearly all the retail stores, and is quite a favorite.

Carnations are much more abundant than they have been and the quality is improving steadily. White Perfection and White Enchantress are the leaders for this week. Prices have sagged somewhat, and now are $1 to $2.50 per 100; some very choice have sold for $3. White Carnations are most in demand, and more could be used.

There is not as much variety in the market now. Cosmos, Asters and several of the other Summer flowers have disappeared. Lilies are not over plentiful, but there is a steady demand for them. Lily of the Valley is in abundance, and very little change in price is noted. Orchids are not coming in quantity and prices hold well.

Pot plants are in good demand and good prices are obtained for them. Asparagus Sprengeri is of extra good quality and meets a good demand. A. plumosus is not in such good demand at this time. Adiantum is not very abundant, and very little is seen. R. C.

CHICAGO, October 11.—The demand last week for all kinds of flowers was very heavy, and for the first time since Chrysanthemums have been in the market there seemed to be a steady demand for them; in some instances it was almost impossible to get stock in this line to fill shipping orders. The 'Mum season is about a week earlier than last year, but that fact has not caused an earlier demand.

The supply of American Beauty Roses, and all Roses, is a little larger, and the quality has improved. There is, however, a shortage reported in short-stemmed Amer. Beauty; other kinds are in sufficient quantity to meet all requirements. The prices are not changed from those of the previous week.

Carnations have been in very heavy demand, but prices are unchanged, except in some instances where fancy reds have brought 4c.

Lilies are not plentiful, although they seem to be in quantity great enough to fill all orders. Lily of the Valley is scarce, but of good quality.

There are still a few Gladioli, but they evidently have had their season. Very little miscellaneous stock is observed.

ST. LOUIS, Oct. 10.—The wholesale market was fairly good last week and the commission houses had full stocks of everything in season. The retail trade was not as good as it should be, most of the work being for funerals. The florists who carry plants find the demand much better than usual. Transient trade with the downtown florists is somewhat slow.

The show windows of the different florists are made up of fancy Dahlias, Cosmos and Chrysanthemums.

The wholesale market prices run as follows: American Beauty, long fancy, $3.00 per doz.; others according to length of stem; smaller Roses, from $3 to $8 per 100. Carnations, $1.50 to $2.50 per 100. Lily of the Valley, $3 and $4. Cosmos, 50c. to $1 per 100. Lilies, $10 to $12.50. Violets, 25c. to 35c. per 100, no fancy in yet. Chrysanthemums, from $1 to $2.50 per doz.; these are somewhat limited in supply as yet. Greens are in plenty and sell well. ST. PATRICK.

INDIANAPOLIS, Oct. 11.—The first frosts have brought better flower conditions with them. Counter trade has improved very much and there is little trouble in disposing of the better grades of stock. Funeral work and decoration stock are in good demand and little stock available for such purposes goes to waste. Much of the outdoor supply has been eliminated and the greenhouse flowers are bringing firmer prices.

Carnations are none too numerous at $1 to $2.50 per 100; retail prices have advanced to 50c. and 60c. per doz.; white, for made-up work, are generally called for.

Home grown Roses are showing much improvement; $5 to $6 per 100 is being obtained for the best Bridesmaid, Bride and Richmond; fine Killarney and My Maryland are being shipped in at $6 to $7 per 100.

Harrisii Lilies are plentiful at $10 to $12.50 per 100. Hudson River Violets are once more a staple article; 50c. to 60c. per 100 is being paid for the best. Local single Violets are to be had in small lots at 35c. per 100. Cattleyas are being furnished from several quarters this season; the general figure is 35c. per flower. Indoor Dahlias, white, wholesale at $3 to $4 per 100.

The general outlook for a brisk business this Fall is good. A visit to several of the surrounding growers shows that they are in shape to do their part in making the season of 1910-11 a successful one. J. B.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
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EXHIBITION CHRYSANTHEMUMS
LILIES, VALLEY, CARNATIONS, ROSES
VIOLETS, DAHLIAS, SMILAX and
ASPARAGUS. Everything of the best.
Daily shipments of Sweet Peas, in pink, lavender and white.
We still have room for more good stock, and growers not acquainted with our methods and our ability to get the price, will find it to their advantage to do business with
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

To Obtain Prime Asters by July 15

The writer would like to know how early Asters should be sown in greenhouse or hot bed to produce prime Asters by the middle of July in the latitude of New York City. He is situated so as to give abundant overhead irrigation, protection from late frosts, and force rapid growth. What is the best white and pink Aster for the early New York market? Next year will be our first year irrigating Asters and we want as good as can be grown. This year we have produced some fine blooms of Lady Roosevelt, but have found it a shy bloomer, averaging less than five blooms per plant. Name a few reliable, long stem, free blooming midseason and late Asters. I want a dozen to twenty blooms per plant. Can I get them and at the same time practice disbudding?—WESTCHESTER.

Sow seed Feb. 15. When plants have made a good size, harden well in frame and plant out as soon as the ground is ready. If carefully hardened the young plants will stand several degrees of frost.

Snowdrift and White Queen of the Market for early white; Queen of the Market, flesh, for early pink. Vick's Early Upright White and Pink would suit this correspondent for midseason. They are strong growers and set 20 to 30 stems, which should be thinned to 12 to 15, and these disbudded. For late Asters, Vick's Branching in white, pink, lavender and purple are leading market varieties. JAMES VICK'S SONS.

Rochester, N. Y.

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COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
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Returns made daily where requested.
Best prices. Prompt payments.
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Consignments of Cut Flowers Solicited from Growers
45 West 28th St., NEW YORK CITY

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GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
Gunther Brothers
110 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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Telephones 4626, 4627 Mad. Sq. Established 1891.

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GROWER AGENT
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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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VIOLETS CARNATIONS AND ROSES
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES. VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Oct. 12, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	20.00 to 30.00
" extra	15.00 to 20.00
" No. 1	8.00 to 12.00
" No. 2	3.00 to 5.00
" No. 3	.75 to 1.50
Killarney	.75 to 5.00
White Killarney	.75 to 5.00
My Maryland	1.00 to 5.00
Richmond	.50 to 5.00
Mme. Abel Chatenay	.... to ....
Kaiserin	1.00 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 5.00
" extra	2.00 to 4.00
" No. 1	1.00 to 3.00
" No. 2	.75 to 1.00
Adiantum	.... to .50
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to ....
Callas	.... to ....
Chrysanthemums, per doz.	1.50 to 3.00
Dahlias	.25 to 2.00
Daisies	.50 to 1.00
Ferns, per 1000	1.50 to 2.00

CARNATIONS—		
Inferior grades, all colors		.... to 1.00
Standard Varieties	White	1.00 to 2.00
	Pinks	1.00 to 2.00
	Red	1.00 to 2.00
	Yel. & Var.	1.00 to 2.00
Fancy (The highest grades of Sta'd varieties)	White	2.00 to 3.00
	Pinks	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. & Var.	2.00 to 3.00
Novelties		.... to ....
Gardenias, per doz.		.50 to 2.00
Gladioli		.... to ....
Hydrangea		.... to 1.00
Lilies, Harrisii and Longi.		6.00 to 8.00
Lily of the Valley		1.00 to 3.00
Mignonette, per doz.		.... to ....
Narcissus		.... to ....
Orchids, Cattleyas		25.00 to 50.00
Cypripediums, per doz.		.... to ....
Dendrobium Formosum.		.... to ....
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		.... to ....
Smilax (per doz. strings)		1.00 to 1.50
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.... to ....
Tritoma		1.00 to 1.50
Tulips		.... to ....
Violets		.20 to .40

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127 West 28th St. NEW YORK
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Receivers and Growers of Cut Flowers.
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New York

Max Schling, 22 West 59th st., has already been forced by his increasing business to install two more ice-boxes, one in the store and one in the cellar. The display of 150 blooming Cyclamens, the first of the season, and Rex Begonias recently seen at Schling's met with a very ready sale.

J. Wolff, Jr., of Philadelphia, has the flower department at Gimbel Bros.' new department store on 33d st., and Sixth ave. The quarters are on the main floor, under the balcony on the 33d st. side, and is in charge of Joseph Cannon.

An attractive window display was recently observed at Alexander McConnell's, 571 Fifth ave. In the foreground were Cattleya Dowiana aurea; in the center Crotons massed in a circle, with an edging of Pteris Wilsoni, and flanked with Cocos Palms and Ferns among which were some fine specimen plants of the new Celosia Pride of Castle Gould. Some baskets of English Ivy were suspended in the corners, and the background was formed by white 'Mums.

Myers, 609-11 Madison ave., furnished the floral decorations for the recent opening of O'Donnell's restaurant and café on Broadway, between 60th and 61st sts. The larger decorations were of Bay trees, Palms, and Oak boughs, and the 120 tables were each furnished with a vase of American Beauty Roses.

J. Condon of 734-736 Fifth ave., Brooklyn, is now displaying his advertisement of Autumn bulbs in the Brooklyn cars.

The Futaba Gardens, which have been closed for the Summer, have reopened at 613 Madison ave. The entire stock of goods consists of Japanese dwarf evergreens, displayed in Japanese ware, and they are very well-grown and attractive.

William C. Turner has recently opened a retail cut flower store at 625 Madison ave. Mr. Turner is a new comer to New York City, never before having engaged in the retail flower business here. The store is on the main floor, and though not large is well equipped, and the location is a favorable one.

Charles E. Grunewald of 72d st. and Columbus ave., has just returned from a month's visit to Hamburg, Germany.

Frank Millang, Jr., recently with the Standard Oil Co., is now with his father at 55-57 West 26th st.

It is reported that the water supply is so short at Nyack, N. Y., that some of the growers not connected with the town water system are obliged to haul water in wagons for use in their greenhouses.

Kessler Bros., 136-138 West 28th st., have added this week to their fine stock of Palms and Ferns some nice potted Mums in bud and bloom.

George M. Stumpp, Sr., 58th st. and Fifth ave., has just returned from a European trip of several months' duration.

E. Weir, son of the late James Weir, Jr., of Bayside, L. I., is seriously ill with typhoid malarial fever, at his home at Jamesport, L. I.

F. McMahon of Seabright, N. J., while on his way to this city on Monday had his foot crushed between the cars at Jersey City. It is thought that the injuries are not sufficiently serious to cause the loss of his foot.

Percy Richter, manager for E. G. Asmus, at 55-57 West 26th st., held the lucky ticket, No. 7936, which won the Buick auto, sold by ticket by the Greek Church.

William A. Hanft, manager for Young & Nugent, 42 West 28th st., and Mrs. Hanft celebrated, with their friends, the ninth anniversary of their marriage, at their home on Wednesday evening, Oct. 12. The house decorations were red Dahlias and Oak leaves.

Charles Weiss & Sons, who have been growing flowers for the wholesale market for more than 25 years, and now have 50,000 ft. of glass at the Bronx and Mt. Vernon, N. Y., beginning Oct. 15 will engage in the wholesale cut flower business at 127 West 28th st. H. Weiss will be the manager of the new venture; he has been connected with the wholesale cut flower business in this city for the past five years, and will be pleased to see all of his old friends among the growers and retailers.

Moore, Hentz & Nash, 55-57 West 26th st., are now receiving some very fine My Maryland Roses from A. P. Smith, and some equally fine American Beauty Roses from Henry Hentz of Madison, N. J. Some Helianthus received by this firm are remarkable for the size and fine color of the blooms, as well as the number of blooms to a stalk. These were grown by William Bleuthgen of Hudson Heights, N. J.

John I. Raynor, and P. J. Smith of 49 West 28th st., were recently out on an automobile trip. They called among other places at William Finger's, at Hicksville, L. I., who has been shipping to Mr. Smith those fine Douzon Dahlias, and also at William Becker's at Farmingdale, L. I., whose 'Mums they report to be very fine.

Henshaw & Fenrich, 51 West 28th st., are now receiving a fine cut of 'Mums from Charles H. Totty, Madison, N. J., also 'Mums and Carnations from the Irvington Greenhouses, Irvington, N. J. They have begun receiving daily shipments of Sweet Peas from George T. Schuneman, Baldwin, L. I., and expect to receive these throughout the entire season until next June.

At a special meeting of the trustees on the evening of Oct. 5, Village President Frank Pierson, Tarrytown, N. Y., advocated a curfew law, to keep children off the streets at night, and Trustee Bird of the ordinance committee was ordered to draw up a proper curfew law for action upon at the next meeting. The law will compel all boys and girls under 16 to be in their homes by 9 o'clock in the Winter months, and 10 o'clock in the Summer. The board favors the adoption of such an ordinance.

Geo. T. Schuneman of Baldwin has his three fine houses again planted to Sweet Peas. One house is already in crop, a second just coming in, and a third has been planted two weeks for a succession. It is expected to cut from these houses well into June.

N. Y. F. C. Bowling Ass'n

The bowling on Friday evening, Oct. 7, attracted a goodly number of members, but only three scores out of the games played exceeded the 150 mark. The prize for high score went to P. J. Smith, and one for the most spares went to Pres. J. A. Manda. Pres. Manda has offered a $20 scarf pin for the highest score of the seven months' season, only those paying dues in advance to be eligible to compete. Many other prizes are to be offered as the season progresses.

Astoria Florists' Bowling Club

The scores made at the meeting of this Club on Thursday, Oct. 7, were as follows:

Donaldson	174	173	178	168
Dorhoefer	105	147	135	139
Jacobson	121	152	130	140
Bleckwenn	170	158	109	126
Miesem	191	173	157	147
Einsmann	148	165	186	143
P. Kessler	200	132	180	124
H. Siebrecht	124	140	145	121
Wm. H. Siebrecht, Sr.		166	118	118
Edmonson		109	109	144

The use of these columns will obtain for you a desirable position at any time.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Oct. 10, 1910	Pittsburgh Oct. 12, 1910	NAMES AND VARIETIES	Boston Oct. 11, 1910	Detroit Oct. 10, 1910	Cincinnati Oct. 10, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	30.00 to 35.00	15.00 to 25.00
15.00 to 20.00	15.00 to 18.00	" extra	10.00 to 15.00	25.00 to 30.00	10.00 to 12.50
10.00 to 12.00	10.00 to 12.00	" No. 1	3.00 to 8.00	16.00 to 22.00	8.00 to 10.00
4.00 to 6.00	4.00 to 5.00	" No. 2	..... to	4.00 to 12.00	..... to .....
4.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 7.00	3.00 to 6.00
4.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	3.00 to 7.00	3.00 to 6.00
2.00 to 4.00	2.00 to 6.00	Bride and Bridesmaid	..... to	..... to	3.00 to 6.00
3.00 to 6.00	3.00 to 8.00	My Maryland	..... to	3.00 to 8.00	..... to .....
2.00 to 6.00	3.00 to 8.00	Richmond	2.00 to 6.00	4.00 to 8.00	3.00 to 6.00
2.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	2.00 to 8.00	K. A. Victoria	2.00 to 5.00	4.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	..... to	20.00 to 40.00	..... to .....
..... to 30.00	20.00 to 30.00	" Sprengeri, bunches	..... to	20.00 to 40.00	..... to .....
..... to	..... to	Aster	..... to	..... to	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Calias	..... to	..... to	..... to .....
1.00 to 2.00	..... to 1.00	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
1.00 to 2.00	..... to 1.50	Standard Varieties: White	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00
1.00 to 2.00	..... to 1.50	Standard Varieties: Pink	1.00 to 1.60	1.50 to 2.00	1.50 to 2.00
1.00 to 2.00	..... to 1.50	Standard Varieties: Red	1.00 to 1.60	1.50 to 2.00	1.50 to 2.00
1.00 to 2.00	..... to 1.50	Standard Varieties: Yellow and var.	1.00 to 1.60	..... to	..... to .....
..... to 3.00	..... to 2.00	*Fancy: White	1.00 to 2.60	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Pink	1.00 to 2.60	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Red	1.00 to 2.50	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Yellow and var.	1.00 to 2.50	..... to	..... to .....
10.00 to 12.50	8.00 to 10.00	Chrysanthemums, ordinary	..... to	..... to	20.00 to 25.00
..... to 25.00	15.00 to 20.00	" fancy	8.00 to 20.00	..... to	..... to .....
1.00 to 2.00	1.00 to 3.00	Dahlias	..... to	2.00 to 3.00	1.50 to 2.00
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .12	..... to .....
..... to .15	..... to	Galax, green and bronze	..... to	..... to .12	..... to .15
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to	2.00 to 4.00	Gladiolus	..... to	3.00 to 6.00	..... to .....
..... to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	..... to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	..... to	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	..... to 60.00	Orchids—Cattleyas	20.00 to 60.00	..... to	..... to .....
..... to	..... to 12.50	Cypripediume	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to	..... to .....
..... to 1.80	1.20 to 1.80	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
..... to	..... to	Tuberoses	..... to	1.00 to 2.00	..... to .....
..... to	..... to	Violets, double	..... to	..... to	..... to .....
..... to	..... to	" single	..... to	..... to .75	..... to .....
..... to	..... to		..... to	..... to	..... to .....

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CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other reasonable flowers in quantity

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Boston

The weather this past week was a record breaker for October. For several days the mercury climbed up to the eighties in the shade; it was very unseasonable and had a bad effect on business generally. Between the Jewish New Year, which occupied about three days of the week, and the hot weather, business was severely curtailed but fortunately it was an off week with stock and therefore it cleared up fairly well. Very little surplus was left over.

We have had no frost around Boston although out in the country they have had quite a little. The gardens are as gay as they were in the month of August; Cosmos, Petunias, Marigolds, Zinnias, and a host of other things, never looked better than they do now.

Bulb merchants are wishing for a hard frost so as to kill off tender plants as the business in bulbs up to this time has been limited.

This week there is a deluge of Chrysanthemums on the market and we hardly ever saw better for early stock. They have come at the right time and have filled the gap the Chinese Asters left vacant.

It is of interest to look over the flowers which come into the market during the year and note how many of them belong to the Compositæ family. These include Chrysanthemums, China Asters, Dahlias, Stevia, Eupatorium, Marguerites and several others; they all have good keeping qualities, which is much in their favor.

The annual meeting and banquet of the Boston Flower Exchange, Inc., will take place at Young's Hotel on Saturday evening, Oct. 22, at 7 p.m.

Salesman William Hastings has returned to the Boston Flower Exchange; he had been absent during the Summer months.

Allan Peirce of Waltham made a hurried trip to New York last week, by automobile. He thoroughly enjoyed the ride through the country and the color of the Autumn foliage on trees and shrubs. He reports that they have received 100 cases of Azaleas from Belgium; this is one of the largest consignments of Azaleas which comes to this part of the country.

R. D. Kimball of Waban is cutting fine Chrysanthemums of the variety Polly Rose; the blooms are large and well formed and the stems are strong with foliage perfect.

White Perfection and White Enchantress Carnations from A. A. Pembroke of Beverly are as good as any we have seen this season; the flowers are extra good and the stems are 18 in. long. His Winsor and Enchantress Carnations are also good. Mr. Pembroke is a young man and practically new in commercial business; the material he has been producing last Winter and this Fall is of high quality and proves him an expert grower.

S. J. Reuter & Son of Westerly R. I., are shipping good Chrysanthemums of the varieties Snow and Golden Glow.

The W. W. Edgar Co. of Waverley have a fine crop of Chrysanthemums and are shipping in October Frost and Marquis de Montmort.

P. H. Waechter of Walpole is cutting in quantity this week Chrysanthemum Polly Rose; his flowers show extra fine cultivation and it is a pleasure to see such.

Edward Bingham of Dedham is rejoicing over the latest gift a generous stork left at his home on Oct. 4; it's a bouncing boy.

The greenhouses of J. G. Forbes of Auburndale are offered for sale. Mr. Forbes has been in poor health for some time, hence the reason.

A. R. Hutson, the genial and pleasant salesman at the wholesale rooms of Wm. H. Elliott on Park st., is on the sick list. We wish him speedy recovery to his usual health.

W. D. Hathaway of New Bedford was again successful with his Dahlias. He won this week at Brockton Fair, six firsts, three seconds and two thirds in the various classes.

Henry M. Robinson Co., the wholesalers on Province st., report that last month was one of the very best Septembers they have had since they began business. They have a splendid grade of goods of all kinds shipped to them by their growers, including excellent Lily of the Valley. They could use more Orchids. Their Gardenias are good; these come from Thomas Young of New York. Their Roses are as good as can be seen anywhere.

G. W. Foster of Tewksbury is sending to the Boston Co-operative Market some very fine Carnations.

At a meeting of the trustees of the Mass. Hort. Society, held Monday, Oct. 10, Messrs. Pettigrew, Craig and Bowker were appointed a committee to bring in a list of nominations for committees for 1911.

The next meeting of the Gardeners and Florists' Club will be on Tuesday, Oct. 18. The members are promised a great treat. Edward McMulkin is to be the speaker of the evening and, no doubt, we shall all benefit from what he has to say. The committee on exhibits hopes that Chrysanthemum growers and others will bring a good display of flowers.

R. C.

Penn, the Florist, on Bromfield st., reports trade as quite brisk with them, and that they are having large sales of high-class flowers, such as Valley, Gardenias, Orchids and Am. Beauty Roses. They had the floral decorations for the Gannon-Armstrong wedding, Oct. 6, at Meredith, N. H., and had a crew there installing the decorations for two days.

Their new front is nearing completion and, when finished, promises to be one of the handsomest store fronts in town.

Purchasers of stock from advts. in these colnmns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

EASTER LILIES $1.50 per dozen
$10.00 per 100

They are always first quality—never anything else.

ORCHIDS

CATTLEYAS, per doz. $6.00, per 100 $40.00

DENDROBIUM FORMOSUM, white, $5.00 per doz.

CHRYSANTHEMUMS

White, pink, yellow. $2.00 to $3.00 per dozen.

The best of the early varieties. Well grown stock.

Bronze Galax, $7.50 per case
Our stock has never been better.

Wild Smilax, $5.00 per case
Delivery on receipt of order.

The best commercial varieties **DAHLIAS** $1.50 to $3.00 per 100

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WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Oct. 10, 1910	Buffalo Oct. 11, 1910	NAMES AND VARIETIES	Phil'delphia Oct. 10, 1910	St. Louis Oct. 10, 1910
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	30.00 to 32.00	20.00 to 25.00
15.00 to 20.00	15.00 to 20.00	" extra	20.00 to 25.00	10.00 to 15.00
10.00 to 12.50	10.00 to 15.00	" No. 1	15.00 to 20.00	8.00 to 15.00
6.00 to 8.00	7.00 to 10.00	" No. 2	6.00 to 10.00	2.00 to 4.00
3.00 to 5.00	2.00 to 8.00	Killarney	3.00 to 8.00	3.00 to 6.00
3.00 to 5.00	2.00 to 7.00	White Killarney	3.00 to 8.00	3.00 to 6.00
3.00 to 5.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	.... to ....
3.00 to 5.00	3.00 to 8.00	My Maryland	3.00 to 8.00	3.00 to 5.00
3.00 to 5.00	3.00 to 8.00	Richmond	3.00 to 8.00	.... to ....
3.00 to 4.00	2.00 to 6.00	Perle	3.00 to 6.00	.... to ....
3.00 to 5.00	.... to	Golden Gate	2.00 to 6.00	.... to ....
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	3.00 to 8.00	4.00 to 6.00
.... to 1.00	.... to 1.00	Adiantum	.... to 1.00	.... to 1.00
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	.... to ....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	.... to ....
.... to	.... to	Aster	.... to	.... to ....
.... to	.... to	Bouvardia	.... to 2.00	.... to ....
8.00 to 10.00	.... to	Callas	.... to	.... to ....
1.00 to 1.50	1.00 to 1.50	Carnations—Inferior grades, all colors	1.00 to 1.50	.... to ....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	1.50 to 2.00	2.00 to 5.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Pink	1.50 to 2.00	1.00 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.50 to 2.00	1.50 to 2.00
1.50 to 2.00	.... to	Standard Varieties: Yellow and var.	1.50 to 2.00	.... to ....
.... to	2.00 to 2.50	*Fancy: White	2.00 to 3.00	.... to ....
.... to	2.00 to 2.50	*Fancy: Pink	2.00 to 8.00	2.00 to 2.50
.... to	2.00 to 2.50	*Fancy: Red	2.00 to 3.00	1.50 to 2.00
.... to	.... to	*Fancy: Yellow and var.	.... to	.... to ....
6.00 to 10.00	10.00 to 15.00	Chrysanthemums, ordinary	15.00 to 20.00	.... to ....
15.00 to 20.00	15.00 to 25.00	" fancy	20.00 to 25.00	.... to ....
.50 to 1.00	.... to	Dahlias	.50 to 3.00	.... to ....
.... to .10	.... to .15	Ferns, hardy	.10 to .15	.... to ....
.... to .10	.... to .15	Galax, green and bronze	.... to .10	.... to ....
10.00 to 15.00	.... to	Gardenias, per doz.	2.00 to 3.00	.... to ....
.... to	.... to	Gladiolus	.... to	.... to ....
.... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	.... to 12.50	10.00 to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00
.... to	.50 to .75	Mignonette	.... to	.... to ....
.... to	.... to	Orchids—Cattleyas	40.00 to 50.00	.... to ....
.... to	.... to	" Cypripediums	.... to	.... to ....
.... to	.... to	Pansies, per doz. bunches	.... to 1.00	.... to ....
.... to	.... to	Peonies	.... to	.... to ....
.... to 2.40	.... to 1.80	Smilax, (per doz. strings)	1.50 to 1.80	1.50 to 1.80
.... to 3.00	.... to	Tuberoses	.... to	.... to ....
.... to	.... to	Violets, double	.... to	.... to ....
.... to .50	.40 to .50	" single	.... to	.... to ....
.... to	.... to		.... to	.... to ....



The Queen of Autumn

WHITE, PINK and YELLOW

The choicest, splendid flowers; good stems. Many different types, as well as plenty of medium qualities.

CHOICE, $20.00 to $25.00 per 100.

MEDIUM, $10.00 to $15.00 per 100.

Cattleyas, $6.00 per dozen; $40.00 per 100.

Dendrobium Formosum, white, $6.00 per doz.

Valley, Special, $5.00 per 100. **Extra,** $4.00 per 100. **First,** $3.00 per 100.

Adiantum Hybridum, $1.00 per 100.

Now booking orders for March delivery, for Robert Scott & Sons' New Roses.

Melody, $250.00 per 1000.

Double Killarney, $150.00 per 1000.

Ribbons and Supplies of all kinds.
Catalogue on Request.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA 1608-1620 Ludlow Street
NEW YORK 109 West 28th Street
WASHINGTON, D. C. 1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

Philadelphia

Philadelphia visitors to the State Fair at Trenton, N. J., pronounce it a great success. The attendance was very large; 63,000 people passed through the wicket in one day.

The continued absence of frost is a great boon to the New Jersey Dahlia growers. The shipments to the Philadelphia market are heavy. While the quality is somewhat impaired by the protracted drought, nevertheless many good blooms are arriving, and on the whole the Dahlia season of 1910 will be a fairly satisfactory one to both growers and buyers. Next season several New Jersey growers will be fortified against the drought by irrigating systems.

The Leo Niessen Co. is receiving an undiminished supply of good Dahlias, Lilies, Lily of the Valley and Roses.

John McIntyre has returned from New York where he has been for several days attending to important business matters, and is now found again at the old quarters in Ranstead st.

Edward Reid of Ranstead st. is receiving some fine Cattleyas, Carnations and American Beauty Roses. Mr. Reid's shipping trade is always heavy.

Jacob Becker has completed the re-erection of his range of five greenhouses on Ludlow st., near 52d st.

Robert Craig, Sr., is now going through his second experience with whooping cough. His first experience, he says, was more than one-half century ago. He does not at all enjoy renewing his youth in this particular way. The Craig Co. has now placed its order for the material for three new greenhouses, each 21 by 150 ft. at Norwood, Pa., and the erection of the same will be pushed to a finish. Twelve thousand Cyclamens, 28,000 Poinsettias, and 20,000 Begonia Gloire de Lorraine in 4-in. to 8-in. pots and pans in this company's Market st. greenhouses are the finest ever observed anywhere. The company has just shipped a carload of plants to one New York retailer. Recent callers at Craig's were William F. and Adolph Gude of Washington, D. C., and Geo. Stumpp, Sr., of New York City.

H. Bayersdorfer & Co. of 1129 Arch st. are obliged to work nights as well as days in order to get out the exceedingly large number of orders. Not only their other novelties of recent importation are meeting with much favor with buyers, but especially the beautiful novelties in baskets so appropriate for Autumn use. Particularly beautiful are the Fern, and handle baskets, and the reed baskets with gold rims and handles.

W. W. Crawford and wife have returned from Atlantic City, N. J., where they have been spending the Summer. The Crawford store at 5210 Market st., especially the conservatory in the rear, has been extensively improved, and is now one of the most attractive and best equipped in the city.

The S. S. Pennock-Meehan Co. is now receiving some very fine 'Mums in several varieties, as well as a full line of all other seasonable blooms. S. S. Pennock, in company with Alexander Scott of Sharon Hills, Pa., visited New York City on Tuesday. James Brown, Jr., of Coatesville, Pa., was a recent caller on this company. The Rose Irish Melody, grown by Robert Scott & Sons of Sharon Hills, Pa., is receiving favorable comment wherever it is displayed. This will be handled by the S. S. Pennock-Meehan Co.

John F. Hobson of the Logan Nurseries reports business as moving along nicely, mostly in wholesale shipments, although he is commencing to do considerable retail work. This range comprises 100,000 sq. ft. devoted to miscellaneous stock of which Carnations comprise the bulk. In the nursery department are grown hardy Roses and Hydrangeas. The entire range is being cleaned and painted and put in first class shape. A large quantity of Poinsettia is being prepared for Christmas trade. 'Mums in quantity are being cut. One wrinkle used here is a large blackboard in the shipping shed on which the orders are written in large letters, where all can see; as fast as the orders are filled they are erased.

Jacob Wilhelm of Logan Station, Pa., has some 7000 sq. ft. devoted to a general assortment for both wholesale and retail trade. Business is starting up for the Fall, especially in design work. Mr. Wilhelm has been here for 17 years and, during last Summer, built a store and one new house.

J. Kulp of Wayne Junction, has finished repairing his houses and they are now in good condition. Retail trade is picking up very nicely.

Chas. Campbell reports an unusually good business for September and considers he is getting his share of local trade. His 'Mums are looking well and he has a splendid lot of Ferns. Several of the houses have been reglazed and some paint-

EDWARD REID
Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2725 Lick Place SAN FRANCISCO

Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Oct. 11, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	2.00 to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.75
18-inch stems.. "	.... to 1.75
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	3.00 to 5.00
" extra	8.00 to 10.00
White Killarney	8.00 to 10.00
Richmond	4.00 to 8.00
My Maryland	4.00 to 6.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	4.00 to 5.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	4.00 to 6.00
Chatenay	3.00 to 5.00
Kaiserin	3.00 to 8.00
Uncle John	3.00 to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.75 to 1.50
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Chrysanthemums, doz.	2.00 to 3.00
" fancy doz.	.... to ....
Daisies	.75 to 1.00
	.... to ....
	.... to ....

CARNATIONS	
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pink	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. and Var.	.... to ....
*Fancy: White	.... to 3.00
*Fancy: Pink	.... to 3.00
*Fancy: Red	.... to 3.00
*Fancy: Yel. and Var.	.... to ....
* The highest grades of Sta'd varieties	
Ferns, hardy, per 1000	.... to 1.50
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Lilies, Harrisii and Longi.	12.50 to 15.00
Lily of the Valley	3.00 to 4.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 75.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
	.... to ....
Violets, single	.75 to 1.00
" double	.75 to 1.00
Asters	.... to 3.00
Gladioli	4.00 to 6.00
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

ing has been done. The months of July and August show a good healthy increase in business over the parallel months of the previous year. This range was established 38 years ago by Joseph H. Campbell.

P. M. R.

Chicago

The Jewish holidays last week were responsible for a greater demand for cut flowers than during the previous week, and brightened up local trade considerably. There have also been several club openings in the past ten days, necessitating the use of many flowers for decorating purposes; and there are numerous large weddings announced for the latter part of this week which should utilize much of the stock available.

General business all over town is reported fair. The demand for bulbs in retail lines is slow; waiting, no doubt, for a good freeze to boom things. A slight frost was reported in Chicago and vicinity on October 6, but it was not heavy enough to do any injury.

E. Haentz, 71 years old, a wealthy florist of Fond-du-lac, Wis., arrived in Chicago Monday, Oct. 10, and was married on Tuesday to Louisa Klempnecht of Chicago. The couple met through the agency of a matrimonial paper.

Spero Swan, who was until recently with John Mangel, is now engaged in the evergreen business at Roan Mountain, Tenn. The business is conducted under the firm name of Swan & Cheggin; some excellent stock is being shipped by them to this market.

Fred Wittbold, formerly vice-president of the George Wittbold Co. has, since the death of the father, become president of the company.

The A. L. Randall Co. reports that with Carnations and Roses coming in more plentifully the supply about meets the demand. Violets are more abundant in supply but the season has hardly started yet.

C. M. Weaver of Paw Paw, Mich., visited Chicago last week end, having made the trip by auto.

L. H. Winterson was receiving the congratulations of his friends last Monday on the occasion of his 37th birthday.

T. E. Waters arrived home from his trip on the road last Saturday.

A. Lange reports that while there has been nothing unusually smart in the way of weddings in the past week, business has been very satisfactory.

Harry Rowe says there is no unusual stir in business, but the call for fancy stock improves daily. Orchids and Violets with him are in brisk demand.

The Blackstone Hotel is becoming famous for social events, dinners, banquets and weddings, keeping Mangel on the alert to take care of them. A large wedding was the main feature on Wednesday of this week.

Visitors: R. R. Davis, Morrison, Ill.; J. M. Burt, Burlington, Ia.

A. L. Randall has just returned from a Summer's visit at his farm in Michigan.

Frank Oechslin has just received a carload of Azaleas, which arrived in good condition and are well covered with buds. Another load is on the way.

The management of the flower show to be held at the Coliseum, Nov. 7-12, has opened an office with Winterson's Seed Store.

Miss Nettie Parker, for five years in the Joliet office of the Chicago Carnation Co., is with this company now nicely settled in its new quarters at 45 Randolph st.

The store of the Congress Floral Co., 226 Michigan ave. (Friedman's new store), was opened on October 11, without any special display. The fittings of the store are all in the best of taste and the fine new icebox, as well as all the woodwork of the store, is in Mahogany. The floor of the store is of red tile and the window floor is of red brick, with a 2 ft. wall at the back, very artistic. The window was filled with Ferns for the opening day. Miss Tillie Mayo and Mr. Beeber will assist Wm. Graff in the management.

Fleischman's new icebox for Orchids and Violets is a great addition to the already beautiful store equipment of that concern.

At the Alpha everything is newly decorated, and ready for the coming season. Julius Schnapp of this store is home on account of illness.

Among the week's visitors was H. M. Burt, who was selecting fixtures for a new store on Main st., Jackson Mich. He was formerly a member of the firm of Burt & Coggan, Battle Creek, Mich., and sold out his interest to his partner.

Ernest Farley, formerly with Chas. McKellar, and lately with Bertermann of Indianapolis, is now with Percy Jones.

The leading landscape gardeners are sending in plans for the floor space for the flower show at the Coliseum, and to all appearances the work will compare very favorably with that of last year.

Chicago Florists' Club

The meeting of the Chicago Florists' Club, last Thursday evening, was well attended, and good headway was made regarding flower show matters, the interest in same being very keen. It is hoped that the retailers' work will become one of the main features of the show, several conferences already having been held for this purpose.

The sum of $100 was voted to the premium fund. The various privileges of the show are to be left in charge of a committee to be appointed by the president. Still another committee to be appointed is one to have charge of the Club's booth for the sale of flowers.

The new by-laws are out and have been distributed to all members. Three new applicants were proposed for membership and the twelve who were proposed last meeting were elected. The new members are: W. F. Kyle, Joseph Foerster, J. W. Fink J. Byers, Joseph Dimoeck and Fred Smith of Chicago; A. C. Rott, Wm. Kellsner, Emil Middendorf, A. Christianson, H. Nicholson and H. Dumke of Joliet, Ill. A special meeting of the Club is called for October 20, to further perfect the plans for the show. The matter of the annual banquet was left to a committee of five to be appointed by Pres. Asmus; the time was fixed for Nov. 10. Pres. Asmus, H. N. Bruns and A. Then were appointed a committee to call upon J. F. Klimmer, who is ill.

Florists' Bowling Club

The Bowling Club met at Bensinger's Alleys, on Wednesday night, Oct. 5. The following were appointed captains of the various teams: Violets—T. C. Varnell; Carnations—A. Zech; Orchids—J. Zech; Roses—Eric Johnson. The scores made during the evening were:

Violets	827	767	827
Carnations	815	796	739
Roses	738	728	699
Orchids	781	776	901

Pittsburgh

The Florists' Club Meeting

The October meeting of the Florists' Club, held last week, was fairly well attended and was presided over by Pres. F. Burki. Paul Randolph, eldest son of P. S. Randolph, the well known florist, was proposed for membership. Several members of a committee appointed by the president to look about for a meeting room made a report but nothing definite was decided upon and the committee was requested to report again at the next regular meeting. Dahlias was the subject for the evening, with a good display of blooms. J. W. Elliott showed Dahlias and Tritoma. R. Vincent, Jr. & Sons Co. of White Marsh, Md., sent a nice consignment of blooms of many sorts, including a good collection of Cactus and fancy Dahlias. The flowers were somewhat bruised in packing and did not show as well as the home cut, but for all that some of the varieties were much admired.

Dahlias don't do very well in our locality and very few of the growers handle them; the best that come in are from small gardeners and these find a ready sale. Peterman, who grows A. D. Livoni almost exclusively and in great quantities, has had great success for some years and this season again had a fine lot and sold thousands of blooms. This variety, it seems, can always be depended upon; it is a prolific bloomer and splendid keeper. A vote of thanks was tendered to the exhibitors. At the next meeting in November Chrysanthemums will be the subject.

Condition of the Cut Flower Market

Trade conditions the past week were fairly satisfactory, the call being mainly for wedding decorations of which there were quite a few large ones. Flowers are coming in better and the quality is also improved. Asters are done but there are a good many Gladioli about. Carnations are more abundant and of much better quality. 'Mums are coming in more freely but command a good price; in a few weeks they will be plentiful if this nice weather continues, for we have had no frost as yet although the temperature averages considerably lower than last week. The bulb trade is slow; flower beds are yet in fine condition and will not be torn up to plant bulbs until we get a killing frost.

Trade Personals

W. Z. Purnell of Snow Hill, Md., was in the city the past week.

The Pittsburgh Cut Flower Co. moved during the past week to their new store room on Seventh ave. They occupy four floors of good size, the rooms are all well lighted and elevator service is provided. After some alterations and improvements are made, which are now under way, they will have as fine a place as any in the country.

Walter Breitenstein, who has been in the florists business for many years at Market and Liberty sts., and lately on Liberty, a square above his old place, decided to quit the business and has closed up his store. Mr. Breitenstein displayed good taste in floral work and decorations; he was an artist in his line. It is rumored that he intends to take up landscaping. The trade certainly loses a worthy member, a man whom we all liked.

Lawrence Richter, who was with A. M. Murdock for many years, has accepted a position with Mrs. E. Williams on Penn ave.

J. Jones is making a good display of nursery stock of all kinds and of fine quality in a store room on Liberty ave., acting as manager for a nursery company.

Chrysanthemums

Clearance Sale of Stock Plants

We have several thousand of the following varieties, to be sold as soon as the blooms are marketed, to make room for Sweet Peas.

Glory of Pacific	Balfour
Polly Rose	Dr. Enguehard
Monrovia	Jeanne Nonin
Alice Byron	Robt. Holliday
Colonel Appleton	Mrs. Geo. DeKalb
Major Bonnaffon	

Write for special prices for A No. 1 stock.

J. D. COCKCROFT, NORTHPORT (L. I.) NEW YORK

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $6.00 per 100.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

RUBBER PLANTS, 5-in. pots, 25c. each; 6-in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

BOSTON FERNS, 4-in. pots, $1.50 per doz.; 6-in. pots, $2.00 per doz.

DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.

GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.

CARNATIONS, The Queen, started in 4½-in. pots, $6.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CINERARIAS

DWARF HYBRIDS, Large-flowering, finest shades and colors, strong, stocky plants, 2-in. pots, ready for shift; $2.00 per 100.

JERUSALEM CHERRIES, Field-grown, now in 4-in. pots, full of berries, $8.00 per 100.

E. VAN BENTHUYSEN, R. F. D. No. 6, Schenectady, N. Y.

Please mention the Exchange when writing.

GENISTAS

in sizes. Send for prices.

DRACÆNA INDIVISA, 2½ inch stock, extra strong, 6 cents each.

TABLE FERNS, bushy, out of 2½-inch pots, mixed, 3½ cents; 4-inch, 7 cents.

BOSTON FERNS, ready for your store trade. Write me your wants.

Cash with order, please!

H. E. LE PAGE,

STAMFORD, CONN.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3-inch pots, $7.00; from 4-inch pots, $15.00; from 5-inch pots, $25.00 per 100.

PRIMULA obconica grandiflora and Gigantea, Ronsdorfer and Lattman's Hybrids well grown stock from 4-in. pots, $10.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,

East Stroudsburg, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

With the closing of one store the past week another new one was opened up, that of Weaklen's Flower Shop on S. Highland ave., E. E. Gilbert P. Weaklen & Co. is the firm's name and they had their opening on Saturday, Oct. 8. The store room is a very pretty one, tastefully furnished; in the rear of the store a conservatory is attached which is well stocked with decorative plants and ferns. Mr. Gilbert Weaklen, who is in charge, had ample experience in the business as he was with Randolph & McClements for twelve years.

H. L. Blind & Bro. had the decorations for the Medical Society's Convention, which was held in Memorial Hall last week. This hall was dedicated a few days ago and is one of the finest buildings of its kind in the country. A visit to the Blind greenhouses last week showed everything in fine shape. Several houses of 'Mums were at their best; a good cutting had already been made. The Rose houses were also doing well, giving a good daily cut, mostly in Killarney and Richmond. Other noticeable plants were a splendid lot of Ferns of large size, and a few thousand of nice Poinsettias of suitable size for pans.

Randolph & McClements had a large decoration for the Fall opening of one of our principal dry goods stores last week.

P. Demas of the Florists' Exchange Commission House, who spent the Summer in Greece, is expected home in a few days.

E. C. Ludwig received a nice consignment of plants lately and has his conservatory well filled.

E. C. REINEMAN.

Cincinnati

The cooler weather we have been having for the past few days has had a tendency to decrease the quantity of stock, consequently prices have stiffened up, and not enough stock is being received to fill orders, Roses are especially on the scarce side, as are Carnations. Chrysanthemums are coming in fairly well; October Frost, Monrovia and Polly Rose being the varieties, selling at $2 and $2.50 per dozen. Carnations are coming in and sell at $1.50, $2 and $3 per hundred, according to quality.

At this writing (Oct. 10) we are advised that L. H. Kyrk, wholesale commission dealer on Third st., is at home, stricken with appendicitis, but we trust the attack will not prove serious.

An extremely sad occurrence was that which came to John Walt of Eastern ave., this city, whose wife was killed by being run over by an automobile on last Thursday, Oct. 6; funeral services were held at the house on the 11th.

J. T. Herdegen was a caller on the 7th.

E. G. GILLETT.

St. Louis

Mrs. A. V. Hunkel, wife of H. V. Hunkel of Holton & Hunkel of Milwaukee, with her children, is visiting her mother, Mrs. Smith; her brother is W. C. Smith, a well known wholesaler here.

The Ladies' Home Circle held its monthly meeting last week at Trimp's Hall. A committee was appointed to map out a program to entertain the visiting ladies during the flower show next month. Mrs. H. G. Berning was made chairman of this committee.

T. E. Waters, traveling salesman for A. L. Randall Co., Chicago, was in the city last week; he took in the Veiled Prophets' parade while here and felt much pleased with the business end of his trip.

C. E. De Wever, the father of the Florists' Bulletin, is now father of a bouncing baby girl; mother and child doing well. Mrs. De Wever was a Miss Ludlow of Chicago before her marriage.

Chas. A. Kuehn has been kept indoors for the last few days by sickness; a visit to his home found him much improved and he will soon be able to attend to business.

Fred H. Meinhardt informs us that the show which will be given by the Horticultural Society next month will be the largest, best and most liberal St. Louis has yet had. The four $500 prizes should attract large competition and they will.

A number of Kirkwood growers are bringing in a fairly good cut of Violets and Carnations. Among them are W. J. Pilcher, Hugo Gross, F. W. Ude, Jr., and "Billy" Winter. The local commission men expect big consignments from the Kirkwood growers in Violets, Carnations and Sweet Peas this season.

Mrs. Chas. E. Schoenle of the Schoenle Floral Co. visited Kansas City, Mo., last

PROSPERITY! PROSPERITY!! PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with Araucarias fine,
With Ferns that are better than before;
For Palms that are stately should in our windows shine,
So our stores will have patrons evermore.
Let us wend our way to Aschmann's
and choose the best he grows
(The plants that we need he has galore),
And, as we count our profits, see the end of all our woes,
While hard times come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.

ARAUCARIA Robusta Compacta, $1.00, $1.25.

ARAUCARIA Excelsa, top cuttings, no seedlings, 6-6-7 in. pots, 3-4-5-6 tiers, 12-16-18-20-26-30 in. high, 40c.-60c.-60c.-75c.-$1.00-$1.25-$1.50.

KENTIA Forsteriana, 4-6-7 in. pots, 20-25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.

KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-36-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.

COCOS Weddelliana, 12 to 15 in. high, 15c.-20c.-25c.

SAGO PALMS, Cycas Revoluta, 6-7-8 in. pots, 6 to 20 leaves to the plant, 10c. per leaf.



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 50c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.; 4-in., 10c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 5½-6 and 7 in. pots, 35c.-40c.-50c.-75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, $3.00 per 100.

ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.

RUBBER PLANTS, 6-in., 40c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.

Cash with order, please.

All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CARNATIONS

Fine, Healthy, Field-Grown

300 **PRESIDENT SEELYE** 300 **HARLOWARDEN**
200 **VARIEGATED LAWSON,** $6.00 per 100.
100 **RED MACEO** 300 **MARCHIONESS,** $4.00 per 100.

ROSES

Own Root, Fine Stock

PERLE and **SUNSET,** $8.00 per 100.

BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE and **KAISERIN,** $6.00 per 100.

Grafted, Fine Stock

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN,** from 3½-in. pots, $17.00 per 100.

ENCHANTER, MRS. JARDINE, RHEA REID, WOOTTON, from 3-in. pots, $15.00 per 100.

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Plumosus Nanus, from 3-in. pots, $5.00 per 100.
Plumosus Nanus, from 2¼-in. pots, $4.00 per 100.

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Nice stock, from 2¼-in. pots, $2.50 per 100, $20.00 per 1000.

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Price $3.50. Send for Sample Pages

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Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

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LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

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STANDARD FLOWER POTS

	Price per crate
1500 2-in. pots in crate	$4.88
1500 2¼ " "	5.25
1500 2½ " "	6 00
1000 3 " "	5 00
800 3½ " "	5.80
500 4 " "	4.50
456 4½-in. pots in crate	$5.24
320 5 " "	4.51
210 5½ " "	3.78
144 6 " "	3 16
120 7 " "	4.20
60 8 " "	3.00

HAND MADE	Price per crate
48 9 in. pots in crate	$3.60
48 10 " "	4 80
24 11 " "	3.60
24 12 " "	4.80
12 14 " "	4.80
6 16 " "	4 50

Packed in small crates easy to handle

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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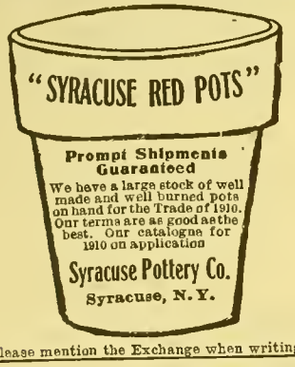

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.

Write us.

Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street New York

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Bug Killer AND Bloom Saver

FOR PROOF WRITE TO

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KILMDEAD



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Fertilizers

For GREENHOUSES, LAWNS, FARM, Etc.

AT WHOLESALE PRICES

I save you 30 per cent. State plainly what you require and for what purpose.

William M. Davidge, 156 Madison Street, Brooklyn, N. Y.

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Prices Advertised in these Columns are for THE TRADE ONLY

week with her mother; while there she called on the trade.

W. W. Stretzing, out on Manchester road, will soon be in with a fine lot of cut Chrysanthemums; he also has a fine stock of blooming plants and says that business has been good of late.

James Arata, floral artist at Young's, says that they had plenty of work for the Veiled Prophets' ball last week and their decorations in the hall of the Coliseum were much larger than usual.

Walter Weber of H. J. Weber & Sons Nursery Co., who has charge of the greenhouses, says he will have a large cut of Roses and Carnations; the stock is handled by the W. C. Smith Wholesale Floral Co.

The Engelmann Botanical Club held its first Fall meeting Oct. 10, at the Missouri Botanical Garden.

ST. PATRICK.

Milwaukee

With outdoor stock about gone the market is improving daily and business in general is more active. It has been a profitable season for growers of outdoor stock, although it is extremely dry and stock has been mostly short stemmed. Early planting of Carnations relieves the market of a shortage which is usual at this time of the year, and stock is coming in quite plentifully, in fact enough to fill all orders, and prices are considerably lower than at this time last year. Roses, likewise, are plentiful and the demand is principally for shorts, which materially affects the price on the better grades. Some fine 'Mums are coming in; October Frost and Golden Glow are the leaders.

Chas. Burmeister, formerly a large Carnation grower, has diverted his glass now to Cucumbers and Sweet Peas.

Manke Bros. at North Milwaukee, have added several houses to their establishment this Summer. They grow Carnations exclusively.

Nick Zweifel has also increased his planting in Carnations, and is coming in heavily now. He has quite a block of Bright Spot, a new variety which he is putting on the market now.

Alexander Klockner is making an extended trip through Europe.

A. Currie & Sons will open a flower and seed store at 130 Wisconsin st.

Downtown retailers report business improving since Roses, Carnations and 'Mums are to be had for display purposes.

At the C. C. Pollworth Co.'s plant everything looks promising. Their Carnations are excellent, and Roses are coming into crop now. 'Mums are looking fine and a heavy cut of fine stock is looked for. Their plant houses are well filled with Palms, Ferns, Begonias, Poinsettias, Cyclamens and Azaleas.

Holton & Hunkel Co. are getting in quite a cut of American Beauty Roses from their Brown Deer establishment.

The flower show committee is busy getting things in shape for the coming Fall show. It's going to be the biggest show in the West this year.

Indications point to a good season's business. The only complaint heard is that of slow collections in general, but this is probably due to the Summer business being lighter than last year.

MILWAUKEE.

Detroit

Local business conditions may be termed healthy and very encouraging. The social whirl has started in with vigor and, as may be gained from present advance bookings which, with some firms, go as far as New Year, this season does promise a great many elaborate functions. There will be enough for all of us and, with a fair understanding as to cost and consequent steady prices, good results are in store for everyone.

Wm. B. Brown is turning out quite a poultry man. Several hundred fancy chickens are well housed on his farm in Royal Oak, and he finds his place to pay well in its double capacity of supplying



Please mention the Exchange when writing.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.

3124 West Lake Street CHICAGO, ILL.

Please mention the Exchange when writing.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Please mention the Exchange when writing.

"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN

285-289 Metropolitan Ave., BROOKLYN, N. Y.

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ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural tradere. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Caldwell Nurseries, - Lowdham, Notts.

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THE AMERICAN CARNATION

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The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

GLASS

Greenhouse and Hot-Bed

SIZES OUR SPECIALTY

IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York

Please mention the Exchange when writing.

out of door flowers as well as poultry and its by-product.

The Michigan Cut Flower Exchange is working actively to fill up its cold storage capacity with Ferns; so far they have over three millions put away. The Ferns are of finer quality than ever and, therefore, the company is very anxious to store away at least double the above amount.

J. F. Sullivan's new ice-box is all in place and his store looks 200 per cent. better and will be strictly uptodate when all other changes necessitated by the installation of this new refrigerator are completed. FRANK DANZER.

At a recent meeting of the Detroit Florists' Club Mr. Frank Danzer read a very interesting paper entitled "Side Lights on the Work of the School Garden Committee of the Twentieth Century Club." This organization is composed of ladies in varied walks of life, and their work is to distribute vegetable and flower seeds to school children for the purpose of making gardens, followed by an exhibition of the product of the children's labors in September of each year. Concluding his paper, Mr. Danzer suggested to the Club that the members thereof individually invite the children of their neighboring school to their greenhouses or grounds where there is an opportunity to demonstrate garden work, on the plea that the more intimate the knowledge of the consumer regarding the goods, the more easy it is to sell to him.

Indianapolis

Ernst Rieman has been serving as a juror for over four weeks. His continued absence from business, together with the illness of his son, makes the task a trying one.

The State Florists' Association of Indiana at its October meeting transacted much important business. The final arrangements were made for holding the flower show and the price of admission was fixed. George Wiegand was selected to look after the hall decorations and John Rieman has been chosen as the exhibition chairman. Herman Junge is to look after the advertising and the press work. Several other committees were named to look after the various details. Secretary Baur has given his time freely and states that the final premium lists will soon be ready. Every inducement is to be offered growers at a distance in the effort to fill Tomlinson Hall to its capacity with the choicest blooms obtainable. Over $2000 has been obtained for the guarantee fund and there is no reason why this display should not surpass the efforts of the Association in other years. A most beautiful poster has been selected and will soon be displayed in the shop windows.

Wedding decorations are keeping the shop men busy this week.

E. J. Fancourt has been with us a few days; he reports trade as fine and is showing a number of good novelties.

The flower display at the Richmond Fall Festival surpassed the one of last year. The E. R. Gause Co., the Fred Lemon Co. and Chas. Knopf were among the principal exhibitors. Carnations were especially fine and the other classes fully substantiated the reputation of Richmond as a flower center. Mr. Shepard was an excellent superintendent and spared no efforts in making his part of the Fall festival a public success.

A visit to the E. G. Hill Co.'s greenhouses by the writer found everything in fine shape. He doubts very much if there is another place in the country where can be seen the same grade of Chrysanthemums as are now preparing themselves for the several flower shows this season. A new pink, also a new yellow Rose, are doing well, and are certainly superior in looks to any variety extant. The packing department is simply flooded with orders for large size 'Mums and many hundreds were being packed during the visitor's stay.

Bertermann Bros. Co.'s decorators are busy this week with the store decorations for J. A. Rink's new cloak house. The store was profusely decorated with foliage plants and over ten thousand flowers were given visitors. Heller Bros. of New Castle, Ind., furnished six thousand Am. Beauty Roses with stems over thirty inches, for the occasion. Meyer Heller accompanied the shipment to Indianapolis and superintended the work of distributing them.

A. Wiegand & Sons report a busy time last week; they have a number of wedding orders at this time.

Ernest Farley has returned to Chicago and will take up the flower business there.

Mr. Hitz is marketing a quantity of good single Violets.

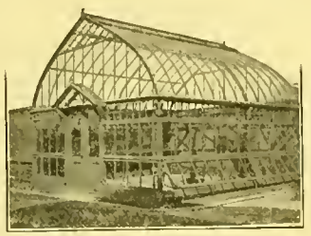
Tomlinson Hall Market is the center for Cosmos lately, any amount of this flower is to be found there in fancy quality.

Albert Kempe is cutting the choicest Chrysanthemums in this vicinity.

The Indianapolis Traction & Terminal Co. is preparing to erect a new conservatory, 30x200 ft. in size.

John Bargman has accepted a position in Chicago and will leave shortly.

I. B.



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Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

GEORGE C. PAPE, 2001 Addison Street BERKLEY, CALIFORN

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Estimates Cheerfully Furnished

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Get Our Prices and Catalogue

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Clear Gulf Cypress

GREENHOUSE

MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection



GREENHOUSE

20,000 Bxs. in Stock **GLASS** At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers

Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

We carry the largest stock of

HOT-BED SASH

in the United States

OUR NEW

VENT APPARATUS

Will Lift Easy 100 Feet

DOUBLE LIGHT

HOT-BED SASH

Requires No Covers

Please mention the Exchange when writing.

Greenhouse Materials Furnished and Erected

IRON or WOOD SASH BARS

In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

FRANK VAN ASSCHE, Fulton Ave., Rose Ave. and Dwight Street

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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Greenhouse Material

Any Style and Size



The best and cheapest.

WRITE US.

A. C. TOOF

Manufacturer and Dealer

Rhinebeck-on-Hudson, N. Y.

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Please mention the Exchange when writing.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog

GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

Cleveland, O.

The Cleveland market is having another spasm; this time, instead of Asters, it's Dahlias, and pink ones at that. Of course other flowers are coming in right along, but the crop is none too heavy—a few 'Mums and Carnations, although these are getting more plentiful and of good quality. Roses are improving, and show fine color, good foliage and nice stems. Valley is better with the cooler weather, and double Violets are also in the market.

In some localities the dry weather of the Summer season has proved disastrous to Carnation plants in the field. In some sections they were literally eaten up with red spider, in others the plants were small and sickly.

Most everyone has his Carnation plants in the houses now and those established show a marked improvement.

The past season has been a very quiet one for lots of florists, so all look forward to big trade when the season fairly opens and buyers don't feel so parsimonious.

Cuyahoga County, of which Cleveland is the largest city, celebrates its 100th birthday all week, beginning Monday, Oct. 9. Of course, it will be the means of bringing lots of people to Cleveland and undoubtedly will be beneficial to the tradespeople in general, and, no doubt, the florists will participate in the financial end of it. It is rumored there will be a floral parade, but the information is so vague we can't be sure.

The William Taylor's Sons Co. had

Prices Advertised in these Columns are for THE TRADE ONLY

Trouble Talk

Number Four

It being Air Locks, Their Medicine.

Did you ever stop to think, that common sense is the most uncommon? Why for instance is it that some folks can't change as things change?

My good old grandfather puts on his summer flannels the twenty-fifth day of April, no matter if there is snow on the ground. It all came about from the fact that the first year he managed to scrape money enough together in the old country to buy flannels, it happened to be a warm Spring—and the date once established, he will cling to it to his dying day.

In all respect to his grey hairs, you say a man's a fool to act that way; and still there are plenty of growers putting in heating plants at this very minute, who are going to use the old-time hand venting cocks in place of our *Automatic Headers!* Going to use them simply because they always have used them.

Think of it! For years to come their men will be taking the time to go to the ends of the house to turn the vents. Every once in a while one or more don't get turned, or becomes stopped up, and you know what happens then.

What would you think of a man's going from New York to Rochester just to open some vent cocks? That's exactly what I did a few years ago. The system wasn't working—and of course it was all our fault—(it always is). The owner kept getting hotter and the houses colder.

He has Automatic Headers now. The kind of Headers that you can go off to bed and know they are working—the kind that's always on the job.

I don't like to contradict you flatly, but you certainly are wrong when you say Automatic Headers cost a lot more. Loan me your pencil and I'll show you.

Take for example two pipes over two—two flows and two returns.

The old way takes	
2 branch fittings at $1.30	$2.60
1 return bend	1.15
1 ¾ air cock	.35
The making of 6 joints at 30c.	1.80
The borings for 6 joints.	.24
	$6.14
The automatic header way:	
1 four way header	$5.00
4 joints	1.20
8 lbs. boring	.16
	$6.36

There's only 22 cents difference, and what is 22 cents when you are sure of getting results.

Moral—Be progressive, change with the times. Use a little uncommon common sense about your flannels.

If you want prompt attention, sent your letter to me. Address is like this:

The Trouble Man

Hitchings & Co.

ELIZABETH, N. J.

P. S.—Next week's "Tronble Talk" will be about "Blaming the Wrong Man."

(To be told in a loud voice.)

Please mention the Exchange when writing.

the opening of their flower shop the past week and Miss Gaskill reports business as already very good. Of course, The Taylor Co. will insure the success of their new venture by the same means used to build up their other enterprise.

Fred Bletcher, who until recently has controlled a flower store in Cincinnati, is now with Chas. Wagner on Euclid ave. One of his pet ideas is pretty window displays as an active advertisement for business.

Mrs. Lincoln Brown, on Lake ave., has decorated for some notable weddings already this season.

The Cleveland Cut Flower Co. is receiving some very fine double Violets from its regular New York grower, and reports a good sale on them.

Knoble Bros., the West 25th st. florists, who have gained fame by their $1 box of flowers, are well pleased with the outlook for the coming season.

Miss Hester Getz has been decorating for a number of fine weddings and parties, and her plant trade has picked up nicely.

Miss Lyle, formerly of Wagner's, is now in the employ of Graham & Sons.

Out-of-Town Notes

Edw. Berno, of the Berno Floral Co., Mansfield, O., has given up the growing of potted plants, and will devote his business to cut flowers and funeral work.

A. J. Winget, Mansfield, has about 25,000 rooted Pelargonium cuttings, which he grows for regular customers.

The Crestline Floral Co., Crestline, have some very nice 'Mums coming, Golden Glow and October Frost varieties.

Heepes, Akron, O., have acquired the services of West Hutchins, who until recently was with the Gilbo Floral Co. Heepes also have a fine new delivery wagon, painted a rich dark blue, with their name in gold across the sides, and with new brass lamps and brass trimmings.

Mrs. L. T. McConahy of Van Wert, O., has just completed an addition to her houses, 120x20 ft., and with all the new improvements. She also has built a very fine new store and office, and the establishment is now the nicest in Van Wert.

J. J. Waalands of Findlay has just returned from a journey to Norway, where he visited his old home and met old friends.

Mr. Sutliff of Wellington, who bought out T. G. Yale's business, takes very kindly to his new work and expresses himself as well satisfied with business in general.

At Ada, O., J. Milner & Son have removed the Young greenhouses to their own place and are nearly finished with their reconstruction. O. G.

San Francisco

Condition of the Market

There is little change to report in market conditions this week; business on the whole has been good and everybody seems to think that trade is up to the average for this time of year. Carnations continue to improve daily and good prices are the rule. Roses have shown a marked improvement during the past week and should soon reach top notch quality. Chrysanthemums at present hold the place of honor in the stores and growers are getting good prices for their stock. Early 'Mums have been exceptionally good this year and late varieties are showing up well.

Dahlias continue to be brought into the market in quantity but there does not appear to be much call for them. A few Lilies are to be had and they move well. Outdoor stock of all descriptions is abundant and sells moderately well, although prices are low in this class.

Orchids have come into their own and some nice lots have been disposed of this past week at good prices. Cattleya labiata has now made its appearance and the florists are thankful. Oncidium varicosum is also to be seen in quantity and sells rapidly.

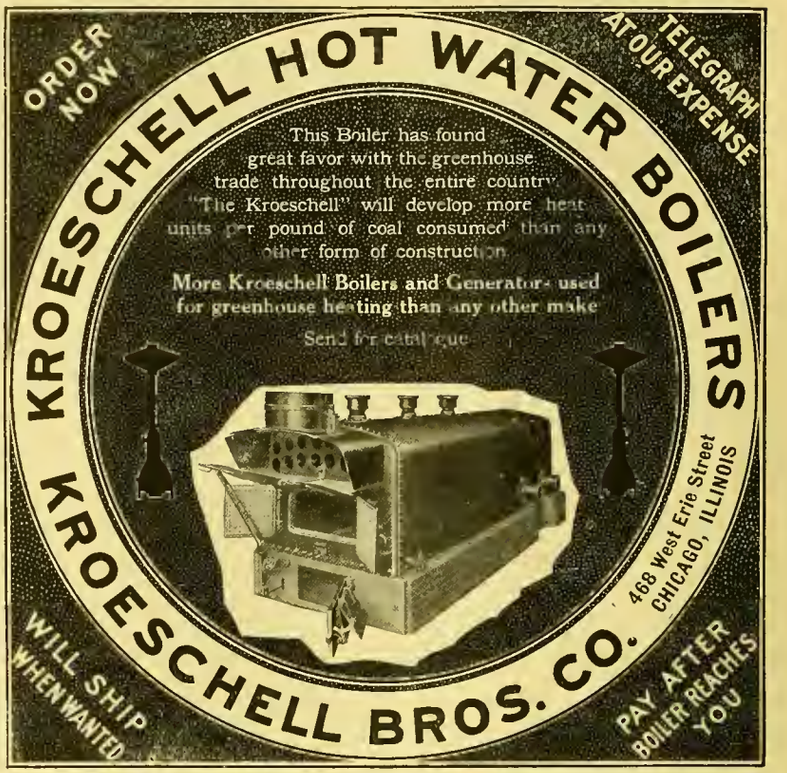
Valley is plentiful with no change in prices. Gardenias, also, are up to the average. Maidenhair is beginning to slacken up a bit; other green goods range about the same.

An Important Consolidation

Notice of the incorporation of the MacRorie-McLaren Co. will be found under "Incorporations." This company now includes the Stockdale Nurseries at Burlingame. The firm's offices have been removed from the Crocker Building to the Westbank Building, corner of Ellis and Market sts.

Pacific Coast Horticultural Society

One of the most successful meetings ever held by this Society was that held in



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A. Dietsch Company

2638 Sheffield Ave., CHICAGO

Greenhouse Material Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

Please mention the Exchange when writing.

GLASS

Repair Season Here
We Have the Stock
Before buying write us for prices

SHARP, PARTRIDGE & CO.
Long Distance Phone Canal 880
CHICAGO, ILL.

Please mention the Exchange when writing.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars

DILLER, CASKEY & KEEN.

Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

TILE DRAINED LAND IS MORE PRODUCTIVE

ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Portland Cement, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N. Y.

Please mention the Exchange when writing.

"We are well pleased with the returns received from your magazine and the better the display you are able to make with this advertisement, the more results will be obtained, which will be better for us both."

Address of this advertiser upon application.



THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE. NEW YORK

Please mention the Exchange when writing.

NOW IS THE TIME TO USE

DREER'S

Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. **Dreer's Peerless Glazing Points** will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c. postpaid. 5000 points by express for $2.75.

IF YOU ARE BUILDING

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Please mention the Exchange when writing.

"We are well pleased with the returns received from your publication, and the better the display you are able to make with this advertisement, the more results will be obtained which will be better for us both."—*Address of this advertiser upon application.*

Polita Hall on the evening of Oct. 2, P. Matraia in the chair. There was present quite the largest turnout of members we have had and they were well repaid for their trouble in coming. As the evening was one of a social nature, business was rushed through as quickly as possible and the time was largely spent in song and sentiment. Mr. Taylor, our energetic secretary, proved himself quite a professional entertainer, and helped considerably to make the night a success. Refreshments were served, and a most enjoyable meeting came to a close at midnight. The next important fixture of this Society will be its annual exhibition, when we hope to see not only our local growers, but also our friends from other States.

Among the Trade

E. Gill, of the Gill Nursery Co. of Berkeley, reports a heavy demand for nursery stock of all descriptions this year, principally Roses.

H. Lilienthal is busy erecting two new houses at his Berkeley place.

R. McArthur, late of El Cerrito, has taken charge of the branch office of the MacRorie-McLaren Co. at Burlingame.

A. James of Elmhurst has an exceptionally fine lot of pot plants of all descriptions on the move this year. The Lorraines grown at this establishment are the finest to be seen in this section.

The MacRorie-McLaren Co. received a carload of Bays from the East this week.

J. Lewis, for the past few years in the employment of Gill's Floral Store, has formed a partnership with J. G. Kearns, and will carry on a general line of landscape and jobbing work.

A comprehensive plan for a boulevard system, to include the entire city, has been prepared by the park authorities. We hope these plans will be favorably considered by all who have the beautifying of San Francisco at heart. In regard to parkways and boulevards, we might well take a leaf out of Boston's book, for that city has the most beautiful parkways in the world.

The coming Apple Fair, to be held at Watsonville, will be the largest exhibition of this kind ever held in this State.

Serveau Bros. have leased a store in the Roschat Cordes Building, near Kearney st. W. MACM. BROWN.

Jamesville, N. Y.

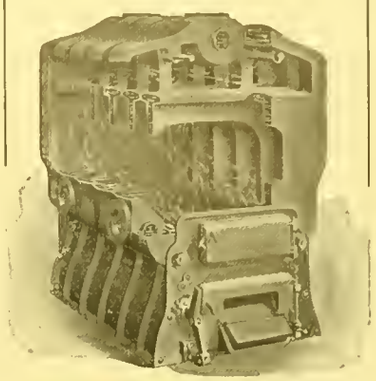
T. M. Miller and his help were all hustling with funeral work when I called. A large casket blanket, just made, of white Roses, was a fine piece of work. Business with him was never better, he claims. His stock is all looking remarkably clear and healthy; his 10 000 'Mums are a promising and even lot; the Geo. Kalb variety will soon be in, and there will be some fine flowers. The Carnations have taken hold good and are throwing up a splendid crop of buds.

Owing to Mr. Miller's increasing cut flower trade he needs every inch of room and has decided to sell his entire stock of seedling Geranium, Miller's Pride, the variety which gained a certificate of merit at Rochester, and has placed the sale in the hands of your scribe. Believing in printer's ink an advertisement of the stock will be found in your classified columns.

H. Y.

Prices Advertised in these Columns are for THE TRADE ONLY

The Ideal Greenhouse Boiler



EVERYTHING in VENTILATING and HEATING

CHARLES H. DODD

576 to 580 Ocean Ave., JERSEY CITY, N. J.

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Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes

Send for Circulars and Estimates

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Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.

RICHMOND, INDIANA

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Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

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KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it taking into accouot all the conditions.

When a man knows his greenhouse will stand, he is at liberty to put all his time and thought into growiug things, aud that is what he wants to do.

Send for bulletins.

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NORTH TONAWANDA, N. Y.

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NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

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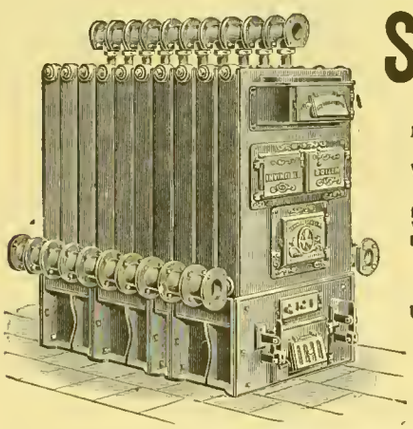

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For Greenhouse heating. Standard Cast Iron Greenhouse Pipe and Fittings

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It will pay you to get our special quotations. We also contract for and erect **Steam and Hot Water Heating** apparatus in all parts of the country.

Illustrated catalogues free on application

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Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
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THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



SIT DOWN A MINUTE AND LET'S TALK IT OVER

SEVERAL years ago, when we began to hammer hard for the commercial man to get away from the all wood house and build our iron frame one, you and your neighbor and the Village Whittler said "we were clean daffy." "You declared that such houses were all right for the private man with a mint of money, but never, no never, would they be practical for the commercial grower." Did our smile come off, or did we say, "All right then, let's forget it"? Not for a minute! We knew we had the right idea, and that sooner or later you wise men would recognize its worth.

A few years flew by and Alexander Montgomery, F. R. & P. M. Pierson, J. A. Budlong and a few such men were buying our iron frame houses—big ones too for those times—big as 40 feet wide, and even 700 feet long. Daring men those!

Another few years passed and a good many at last grudgingly admitting that wood must have the go-by, but still they gave in only half way and compromised matters by building our Semi-Iron houses.

But there's no use trying to block the progress of a *right idea*, it just won't be blocked. Look what's happened. By far the greater number of the houses being put up by the growers today are Iron Frame. Why? Simply because it is *the dependable construction*—the construction that's lightest—the construction that endures.

So ever and always will Lord and Burnham Co.'s name be linked with the success of the Sectional Iron Frame House—we are the originators.

If then we built the first iron frame house, and have kept on building and improving them all these years, who ought now to know best, the best materials to go into them, and the best way of constructing them? There is only one logical answer, and you will be the first to give it. Having given it, when will you be ready to have us estimate?

P. S.—Here's a thought—if you place your order for a house now, to be delivered next Spring, thereby helping us to keep our factory wheels humming through the Winter, it will lessen the cost all round to us, and we will give you the benefit of the saving.

P. S.—P. S.—Peter Henderson, the seedsman, was the first to build our Commercial Iron Frame Houses.

LORD & BURNHAM CO. IRVINGTON, N. Y.
New York St. James Bldg. Boston Tremont Bldg. Philadelphia Heed Bldg. Chicago The Rookery

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CONCRETE BENCHES

Illustrating the easy manner with which our Concrete Benches can be installed in your house.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

WILSON-HOYT CO.
ONE MADISON AVE.
NEW YORK

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DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON
14 & 16 Wooster Street, New York

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F. E.—The Best Advertising Medium

DAHLIA SYMPOSIUM—CONCLUDED

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 17 — NEW YORK AND CHICAGO, OCTOBER 22, 1910 — One Dollar Per Year

Amherst Mass

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Bicolor Victoria, selected double-nosed bulbs	$1.75	$16.00
Emperor and Empress, selected, double-nosed bulbs	1.75	15.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50
Princeps, selected, double-nosed bulbs	1.25	9.50

TULIPS

	100	1000		100	1000
Keizerakroon	$1.25	$10.50	**Murillo**	$1.25	$10.00
La Reine	1.00	8.00	**Couronne d'Or**	1.75	14.00
Rose Grisdelin	1.00	8.50	**Salvator Rosa**	1.75	14.00
Rose Luisante	1.75	14.50	**Gesneriana Spathulata**	1.25	9.50

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $6.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅜ to ½ inch and up in diameter, 75c. per 100, $6.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1600 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the case, $17.50 per case; $45.00 per 1000.
7 to 9 inch, 200 to the case, $18.00 per case; $80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $6.00 per dozen; large specimens, 12-inch pans, $3.00 to $5.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 6-inch pans, $6.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 6-inch pans, $6.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 6-inch pans, $6.00 per dozen.
Nephrolepis Scottii. Good plants, 6-inch pans, $6.00 per dozen.

Complete list of Fall bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants..... 1.00 each, 12.00 per doz.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

FICUS PANDURATA

6-inch pots, $1.00 each.

RUBBER PLANTS

6-inch pots, $6.00 per dozen.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

5000 PRINCESS OF WALES VIOLET PLANTS

$6.00 per 100, $50.00 per 1000; special rates for large lots.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

Please mention the Exchange when writing.

Hydrangea Otaksa

One to two shoots..... $6.00 to $10.00 per 100
Three to five shoots..... 15.00 to 20.00 per 100
Six to eight shoots..... 25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Azaleas

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.60 per bundle; $27.50 per 1000.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 325 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

CASE LOTS AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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HARDY POMPON CHRYSANTHEMUMS

Good stock in 3-inch pots for Fall Planting, in one of the best assortments in the country, at $3.00 per 100, $25.00 per 1000.

Dahlia Roots

Whole Field Clumps in a good assortment, at $1.00 per dozen, $6.00 per 100, $45.00 per 1000. Send for list of varieties.

Geraniums

In fine shape for immediate shipment, in a splendid assortment of Standard Kinds. $3.00 per 100, $25.00 per 1000 for 3-inch. $2.00 per 100, $18.50 per 1000 for 2-inch.

	2 inch Per 100	3 inch Per 100
COLEUS, BRILLIANCY		$4.00
COLEUS, In Standard Sorts	$2.00	3.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2.00	3.00
LANTANAS, Assorted	2.00	3.00
DOUBLE PETUNIAS, Mixed Colors	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITEMARSH, MARYLAND

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What Is Very Much Wanted

	100	1000
LILIUM Harrisii, 5-7	$5.00	$45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
CROCUS, in colors	.35	2.75
NARCISSUS, Paper White Grandiflora	1.25	9.00
SPIRÆA Japonica, extra strong	5.00	45.00
Compacta	5.00	45.00
Astilboides floribunda	6.00	50.00
LILY OF THE VALLEY PIPS, Selected, 3 year old	1.25	11.00
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
DUTCH HYACINTHS, Single in colors	2.25	20.00
Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS, in colors	1.60	14.00
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, pure yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Duchesse de Parma, red, yellow edge	1.00	9.00
Keizerskroon, crimson and yellow	1.25	10.50
Queen Victoria, leading white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
Fine Mixed, good quality	.65	6.00
Finest Mixed, extra quality	.85	7.50
PULVERIZED SHEEP MANURE	$1.50 per bag	
SCOTCH SOOT	3.50 per bag	
CLAY'S FERTILIZER	$5.50 per bag of 112 lbs.	
NITRATE OF SODA	4.00 per 100 lbs.	

WM. ELLIOTT & SONS

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Narcissus Paper White



Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000

FANCY GRADE
1250 to case.....$8.50 per 1000

REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.00 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$65.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS

NOW ON HAND

Lilium Harrisii

5-7 in.....$40.00 per 1000
6-7 in..... 50.00 per 1000
7-9 in..... 75.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size	30.00

Write for copy of Fall Florist List.

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New York 25 Barclay St. **Chicago**

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THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages
A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

STUMPP & WALTER CO.'S Bulb Specials

Why not try a few cases of late dug

HARRISII and FORMOSUM

Harrisii The True Bermuda Easter Lily

	100	1000
Size 5 x 7, 400 to case	$5.00	$40.00
Size 6 x 7, 335 to case	6.00	50.00
Size 7 x 9, 200 to case	9.00	75.00

Formosum Extra Fine Stock

	100	1000
Size 7 x 9, 300 to case	$7.50	$65.00
Size 8 x 9, 250 to case	8.50	75.00
Size 9 x 10, 200 to case	9.50	90.00

Narcissus Paper White Grandiflora

Of this, the most popular and most profitable of all bulbs for florists' forcing, we have a very large stock, and also of the very best, largest flowering quality. These bulbs we can place in cold storage for our customers and deliver them as wanted up to January 1st, at an additional cost of 25c. per 1000 per month after September 1st.

	100	1000	5000	10,000
FIRST SIZE BULBS, 13 ctms. and up	$1.10	$9.00	$43.75	$85.00
MONSTER BULBS, 14 ctms. and up	1.30	11.00	53.75	106.00
JUMBO BULBS, 15 ctms. and up	2.50	20.00		

ROMAN HYACINTHS

	Doz.	100	1000
White, 12 to 15 ctms., 2000 to case	$0.50	$2.75	$24.00
White, 13 to 15 ctms., 1500 to case	.75	3.25	30.00

Stumpp & Walter Co. 50 Barclay St. NEW YORK

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P. Vos Ms Gladiolus Pink Beauty

A new, very early, forcing variety. Color, a lovely Peach shade of Pink. In flower three weeks before any other variety.

$40.00 per 1000

C. J. SPEELMAN & SONS, Sassenheim, Holland

P. S. Two First-Class Certificates at Edinburgh.
Two Awards of Merit at Haarlem and Amsterdam.

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Stokes Seeds Philadelphia BULBS

CUT PRICE TO CLEAR

NARCISSUS—Paper White Grandiflora
Fancy Grade—1250 to case. $7.25 per 1000.

	Per 100	Per 1000
White Roman Hyacinths, 12 to 15 ctm.—2000 to case	$2.10	$19.00
Von Sion Narcissus, extra D. N.	2.10	19.00
Golden Spur Narcissus, extra D. N.	2.10	19.00

Tulips, Hyacinths, let me know your wants.

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

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HIGH-GRADE BULBS

Dutch Hyacinths, Tulips, Crocus, Narcissi, Peonies, Lily of the Valley

PURE CULTURE and ENGLISH MUSHROOM SPAWN

Write for our wholesale bulb list.

JOHNSON SEED CO., 217 Market Street, PHILADELPHIA, PA.

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Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

	12	100	1000
Thick petaled, extra size bulbs, 22-24 in.	$0.60	$4.25	$40.00

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.
70 Warren St., New York City

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PRIMULA KEWENSIS

Extra strong and fine, $4.00 per 100.

XXX SEEDS

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Primula Kewensis, the great and grand new Verbena-scented, yellow Primrose. Be sure to sow it. Trade pkt. 25c.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum, Finest Giants Mixed, 200 seeds $1.00; ½ packet 50c.

Giant Daisies (Bellis), extra large and fine, mixed. Trade pkt. 25c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

$ Need Money, Need Room $ For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.

NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.

ROMAN HYACINTHS, 12-15 ctms., $23.00 per 1000.

LILIUM Harrisii, 7-9 inch, $8.00 per 100. Special low prices on **DUTCH BULBS, BOXWOOD, BAY TREES,** etc.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

French Campernelle Jonquils
EXTRA SIZE FOR FORCING
$4.00 per 1000, $15.00 per case of 4000.
WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

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CAULIFLOWER SEED
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N.Y.

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WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

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BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Oct. 12.—McHutchison & Co., 141 cases plants; Stumpp & Walter, 38 cases plants; Lenham & Moore, 15 cases plants; O. G. Hempstead & Son, 4 cases plants; Yokohama Nursery Co., 23 cases plants; J. Terkulle, 29 cases plants; H. F. Darrow, 74 cases and tubs plants; Wm. Elliott & Sons, 4 cases plants; F. R. Pierson Co., 24 cases plants; Maltus & Ware, 436 cases plants; F. B. Vandegrift & Co., 97 cases plants, 102 tubs Laurel trees; G. W. Sheldon & Co., 54 cases plants; P. C. Kuyper & Co., 87 cases plants; J. J. Cummings, 5 cases plants; Larzalere & Co., 10 cases plants; Gude Bros., 4 cases plants. Oct. 13.—Maltus & Ware, 3 cases plants, 2 cases flower seed; G. W. Sheldon & Co., 200 bags Clover seed; H. Nungesser & Co., 199 bags Clover seed; Schulz & Ruckgaber, 13 pkgs. seed. Oct. 14.—O. J. Woodruff & Co., 1 case plants. Oct. 15-16.—H. F. Darrow, 2 cases bulbs, 122 pkgs seeds; P. Henderson & Co., 40 bags seed.

DALLAS, TEX.—The warehouse building occupied by the Texas Seed & Floral Co. was destroyed by fire on October 8.

BOSTON, MASS.—A. F. Barney and J. M. Gleason, for many years connected with Schlegel & Fottler, and their successors, the Schlegel & Fottler Co., where they were managers during the nine years of its incorporation, have associated themselves with the Thomas J. Grey Co., seed and agricultural implement dealers, 32 South Market st., Boston. The officers of the Thomas J. Grey Co. now are: Thomas Grey, president; Arthur F. Barney, vice-president; J. A. Gleason, treasurer; Peter Miller, secretary; and John Guermeau, manager.

PEDRICKTOWN, N. J.—George R. Pedrick & Son, wholesale seed growers, are building a new seed warehouse, 30x60 ft., three stories in height with basement, containing over 7000 sq. ft. of floor space, with which to handle their increasing business. They are contract growers and dealers in Pepper, Tomato, Egg Plant and vine seeds. Their business was established in 1880.

European Notes

Our belated Summer has at last arrived and, although too late to increase our crops, it is in good time to improve the quality and germinating power of such as are not yet fully ripe. Leek, Mangel and Parsley will be especially benefited by the unprecedented spell of warm, bright weather which has prevailed during the past three weeks.

Thus far we have not experienced any frost except in a few low lying spots not of any serious importance to seed growers, so that the beneficial effects of the present spell of sunshine upon our young plants for next year's crops is practically unchecked.

Our German friends are justly jubilant over the improvement in the prospects for the Aster crop, which are now very bright. Zinnias and Balsams are ripening up splendidly, and the same information is being received from the growers of pole and bush Beans.

Of course, there is one "fly in the ointment" and that is the Pea crop, or rather, lack of it, for now that we have been able to thresh a few of the earlier varieties the shortage proves to be far more serious than our most gloomy predictions. The same results have thus far appeared in our threshings of Cabbage and Carrot, one of the chief reasons being that so much of the seed proves to be worthless in the dressing.

The Italian growers report that all the white Onion seed has already been cleared out and that only a small quantity of the red and brown varieties remains on hand. As regards Lettuces, owing to the poor crops of the previous two years a very limited acreage was planted this year, but the crops are, thus far, satisfactory.

Rain and hail have been rather frequent since the middle of September and have done very great damage to the early va-

The Japanese standard of measure for bulbs is the "Sun," which is larger than our "inch." Now the average grower knows that the 7 inch bulb is much smaller than the 7 Sun bulb and we sometimes believe he overestimates the difference.

Last year we imported a quantity of bulbs packed in the "Sun" measurement and found that they ran very regular and were in every way superior to the average packing in inch measure. Of course, growers want to see this packing before they buy in quantities, so we have this year a quantity of Horseshoe Brand Giganteum packed in "Sun" measure. They are ready for delivery now. You can have size 6 Sun for $21.00 per case of 350 bulbs; size 7 Sun for $22.00 per case of 260 bulbs, and 8 Sun for $21.50 per case of 180 bulbs; all from the finest fields in Japan.

You will not regret it if you give these bulbs a trial this year, even if it is only one case.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Order bulbs now for Cold Storage shipment during 1911—now's the time.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

STRAIN OF HIGHEST COMPLETION OF THE

New Crop, Sow Now!

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, Improved, Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

For larger quantities special quotation.

My catalogue will guide you through reliable Florists' Flower Seeds of highest Horticultural and Floricultural value. If you haven't it, ask for the same—it's free

O. V. ZANGEN Seedsman **Hoboken, N. J.**

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize. Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 200 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

Novelties in Flower Seeds for 1911

Descriptive List Free on Application.

FREDRICK ROEMER

Seed Grower, QUEDLINBURG, GERMANY

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 26, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$6.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	6.00
Roseum, Rose V. Marienthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.

Proprietors The Florists' Exchange

P. O. Box 1697 N. Y.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

Pansy World's Fair Strain, Giant Flowers, fine, stocky, field-grown plants, $3.00 per 1000.

Ferns Pot-grown, Boston, Piersoni, Whitmani and Amerpohli, 2½-in. $4.00 per 100; from 4-inch $15.00 per 100 Cash or to exchange for Cinerarie, Primula Chinensis Obconica and Carnations, true to name.

SHELLROAD GREENHOUSES. **Grange, Baltimore, Md.**

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 **KAFFIR CORN** for Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

rieties of white Onions intended for next year's crops. Only a limited acreage can possibly be planted. The flower seeds which are cropped during September, such as Balsams, Zinnias, Phlox, Verbenas, Asters and Dianthus have been secured in good condition, but the rains have damaged Cannas, Dahlias and Salvias and the outlook is not encouraging.

Cucumbers, Melons and Tomatoes have suffered so badly during several years from the ravages of some form of Peronospora that only a very short acreage has been planted, and this does not look very promising. The French growers report that the crops of Peppers will not be more than two-thirds of the required quantities, and that the seed will be unusually late in ripening. It is possible that the hot wave may hurry things up a little.

The sad news of the death of Mr. Steele, the highly respected president of the Steele, Briggs Seed Co. of Toronto, comes as a painful surprise to many of his European friends. Few men in the Canadian seed trade were more sincerely esteemed than he; his high sense of business integrity as well as his clear knowledge of the business, commanded the respect of all who knew him.

George Stark of Ryburgh, England, who has come prominently to the front in connection with Sweet Peas and variegated Nasturtiums, has also "passed on," at a comparatively early age; Bright's disease was the immediate cause of death.

S. B. Dicks reached England on Oct. 3, per S. S. "Lusitania."

The firm of Gustave Jaensch & Co., Aschersleben, Germany, will in future be known as "Terra"—presumably "they want the earth!" EUROPEAN SEEDS.

American Notes

Bulb Business Continues Good

Could we but have seasonable, cool weather and general frosts, the retail counter bulb trade would become very brisk. As it is, while sales are steady business has not as yet seen any real boom in a retail way this season in this line. Nevertheless, it is only fair to say that so steadily and satisfactory have bulb sales continued since the latter part of August that, almost without exception, those seedsmen and dealers who depend largely on this trade in the Autumn are well satisfied. With the amounts already disposed of it looks now as though there will be very little left in the way of surplus bulbs when the season does finally end. Other lines with the seedsmen are quite satisfactory; especially have plants for house and window decoration sold very actively the past week.

Sweet Peas

As we draw nearer to the making of seed catalogs, it is very evident that Sweet Peas will be most prominently catalogued in the way of novelties and specialties for the coming season of 1911. Already many fine novelties have been offered by the Sweet Pea specialists, and no member of the trade should neglect to devote ample space to this most popular of annuals.

The Seed Crops

Regarding the seed crops, especially of Garden Peas, Beans and Sweet Corn, there is little change since the last seed report made in these columns. Garden Peas, it is now generally recognized, will be shorter in supply for 1911 than any time during the past five years, bad as crops have been during that period. Regarding Garden Beans, it looks as if the crop in certain directions might be fairly satisfactory, but until final reports are received from the growers a little later, this is only a surmise; but surely there will be no large stocks in any direction. Small seeds of many popular varieties are also on the short list. In fact, it cannot be too strongly urged upon dealers who handle seeds in connection with other lines of business to supply their needs for the season of 1911 just as early as possible, for, certainly, prices are more apt to advance than decline.

Japanese Plants

At this season of the year seedsmen and those dealers who handle seeds

Thorburn's Bulbs

For Florists for forcing at low prices in cases only.

LILIUM FORMOSUM. 6/8, 360 in case at $3.00 per 100.

LILIUM FORMOSUM. 7/9, 260 in case at $5.60 per 100.

Also, LILIUM HARRISII, all sizes, send for prices per 1000.

Cold Storage Lily of the Valley Pips, best German grown, a few left over at $10.00 per case of 1000, in case lots only.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N. Y.

Please mention the Exchange when writing.

Peacock's Peerless Dahlias

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.60 per doz., $26.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARM

Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

ARE YOU LOOKING

For **Lilium Giganteum** and **Multiflorums; Lilium Auratum, Album, Rubrum** and **Melpomene;** also **Valley?** We can supply the above, in the **VERY BEST GRADES OBTAINABLE,** at short notice.

WE HAVE THE STOCK.

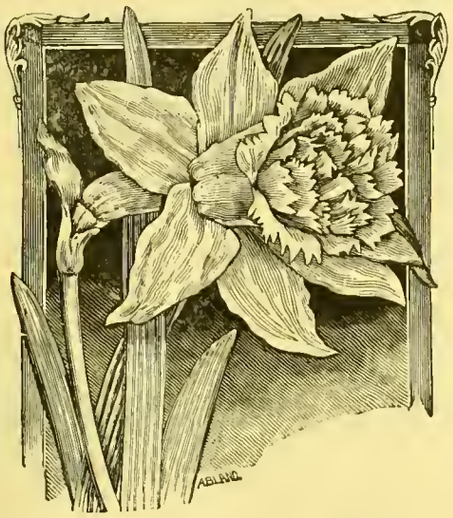
Prices given on application.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



Double Narcissus "Von Sion"

SINGLE NOSED BULBS EXTRA SELECTED SIZE

When You See Our Bulbs You Will at Once Proclaim

Michell's "Distinctive" Quality

Only Such Bulbs Produce the Best Results

"Quality" is forever limited and if you do not want to be disappointed you must order promptly

Per 100 $1.35 Per 1000 $12.00 Per 5000 $55.00

Let us quote you on all other bulbs; we have them; catalogue free

HENRY F. MICHELL CO. 518 Market Street, Philadelphia

Please mention the Exchange when writing.

and plants are always anxious to obtain, if possible, some novelty or specialty that will appeal to transient retail trade and prove a rapid seller. The Japanese dwarf plants, so-known, have during the last few years especially, proved themselves to be very taking for retail counter sales. Many more of these most attractive house plants could be sold were it known that they are not especially difficult of cultivation. As with most other plants, they should not be watered until the soil is dry; then it is a good plan to plunge the whole pot in water, but do not allow it to stand in the water; the soil should be moist but not wet. You can further tell your customers that during the Spring and Summer these Japanese plants should be kept in a sunny, airy situation. Rain is always beneficial. Do not, in Winter, expose them to direct heat in rooms, and, whenever practical, set them in fresh air and sunshine. Keep as free as possible from dust. It is also a good plan to occasionally incorporate with the soil in which they are growing a little bone meal, which will invigorate them greatly. The writer has said this word or two about their cultivation, for the reason that so many people feel that these Japanese plants are too difficult to grow to be a success in a window garden. Such is not the case. Regarding selling price, very attractive specimens can be sold at a good margin of profit for from 75c. to $2 each.

New York Seed Trade

The past week has been, in a way, a quiet one for this time of the year, inasmuch as the absence of a general frost has restricted the retail bulb sales which should be at their largest at this time in October.

Vaughan's Seed Store has been doing such a good retail bulb trade lately that many shortages right through the general list are expected to develop just as soon as cooler weather brings the retail counter rush, which is sure to materialize This house is also handling to good advantage small evergreens and conifers.

Mr. and Mrs. A. J. Rickards are receiving the congratulations of their many friends in the trade—it is a boy.

Mr. and Mrs. Wm. A. Sperling are also being congratulated—theirs is a girl.

J. M. Thorburn & Co. are continuing, this week, their very attractive vegetable displays in their store and in their windows as well. It is excellent advertising and is attracting much attention and interest.

The Stumpp & Walter Co., among other offerings of potted plants this week, have some well-known Chrysanthemums in full flower.

At Boddington's, this season, will be introduced Robert Holmes' new Sweet Pea Maud Holmes. This novelty, of the Spencer type, is described as the Sun-Proof Crimson Spencer. Mr. Boddington is the sole agent in America for this well-recommended novelty, and from present indications it would seem that this new candidate for popular favor will be very generally catalogued by the trade.

Peter Henderson & Co. have their show windows filled with cut Dahlia blooms in many of the better varieties of Show, Decorative, Cactus and Pompon classes, and are booking orders for the roots and plants for next Spring's delivery.

Wm. Elliott & Sons have during the past week been exhibiting some potted plants, full of fruit, of Elliott's Everbearing Pan-American Strawberry. This excellent variety would seem to have become a most valuable acquisition.

E. J. Deal, representing W. W. Johnson & Son, Ltd., Boston, England, returned home this week, by the Cunard Line. Mr. Deal informed us that he had the most satisfactory trip he has ever made in this country in the interests of his firm.

The retail bulb trade with Burnett Bros. continues very satisfactory, and they feel that the end of the season will show the largest trade in this line that they have ever experienced.

Preseatation to Frederick W. Bruggerhof

The board of directors of the Wholesale Seedsmen's League did a graceful act at their meeting, Oct. 13, in presenting to Mr. Bruggerhof, on the occasion of his eightieth birthday, a testimonial in the form of an exquisitely moulded and chased loving cup bearing the following inscription: "Presented to Frederick W. Bruggerhof upon his 80th birthday, October 15th, 1910, by the Directors of the Wholesale Seedsmen's League as a token of the esteem and love in which they hold the Dean of the American Seed Trade."

Some of the features of the very interesting event were an immense birthday cake of four feet in diameter and of eighty candle power, and the felicitous speeches expressive of the highest admiration toward Mr. Bruggerhof as a seed merchant and as a friend.

The board was represented by its full membership of nine. The seedsmen guests were: E. E. Bruggerhof of J. M. Thorburn & Co., Alexander Forbes of Peter Henderson & Co., Howard Earle of W. Atlee Burpee & Co., Burnet Landreth, Jr., and S. P. Landreth of D. Landreth Seed Co.

Mr. Bruggerhof has been identified with the American Seed Trade for fifty-five years, having entered the seed establishment of Thorburn in 1855. He is acknowledged to be the best all around seedsman in the United States, the highest authority on the history of the seed trade in America, his views as to variations and merit commanding the highest consideration. The wholesale seed trade, as represented by the League, is fortunate in being presided over by a man of such ability and loving disposition.

Philadelphia Seed Trade

The seedsmen are at work even more assiduously than last week on their 1911 catalogs. New introductions are to be given a place, and to be accurately, but enticingly described in the language, of course, of the originator, and new cuts are to be introduced, not only those in black and white but some also in colors to catch the eye. The prices, too, must be given careful consideration, especially in view of threatening shortages.

Offerings of novelties are now coming to the seedsmen from the Old World. "Why do we not produce these novelties this side of the Atlantic?" asks one of our progressive seedsmen. Is it a lack of knowledge, or experience, or system, or patience, or what is the reason? Who will answer?

Ask the seedsmen now what is selling most freely, and in a kind of automatic way he will answer "Bulbs"; ask him what else, and he will parry the question by asking if you have taken a look at his exhibit of Squashes and Pumpkins.

One of the most perfect shaped Pumpkins ever seen, a "King of the Mammoths," stands on a Howe's standard scales in front of the Johnson Seed Co., which registers its weight at about 160 lbs. It was noted that the vine, a portion of which was still attached to the Pumpkin, measured only ¾" in diameter, and the stem close to the Pumpkin measured only 1½" in diameter. On the other side of the entrance is the great heap of immense Pumpkins mentioned last week. Mr. Smith says that they leave these out nights, but took them in over Sunday. Was it because the Quaker

Hyacinths · Tulips · Narcissus

BEST QUALITY FOR FORCING AND OUTDOOR GROWING

ALL THE LEADING NAMED VARIETIES

SPECIAL OFFER: As an inducement to secure orders for a general line of bulbs we quote:—

HYACINTHS, UNNAMED SINGLE, any color, $2.10 per 100, $19.50 per 1000.

TO SECURE THESE PRICES MENTION THIS PAPER

Send us an order for other varieties **See our Advertisement in last issue**

IF YOU WANT THE BEST QUALITY OUR PRICES ARE LOW

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

Please mention the Exchange when writing.

Lily of the Valley—Cold Storage

$15.00 per 1000, $1.75 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

BULBS

For Forcing or Planting Outside

A Complete Stock Write us for prices.

Fottler, Fiske, Rawson Co. Faneuil Hall Square, also 26 South Market Street **Boston, Mass.**

Please mention the Exchange when writing.

CALLA ELLIOTTIANA The Golden-Yellow Calla

READY FOR IMMEDIATE DELIVERY

Mammoth Bulbs, $20.00 per 100, $175.00 per 1000. **First Size Bulbs,** $15.00 per 100, $125.00 per 1000.

WATSONIA ENDERSII

Mammoth Bulbs, $5.00 per 100, $40.00 per 1000.

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA

SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

PANSY PLANTS

PANSY PARK PERFECTION

Is the best market strain of Giant Show and Fancy Pansies.

I have made a specialty of growing Pansy seeds and plants nearly 40 years and it is the result of many years of breeding and selections and it also contains every new variety introduced by foreign specialists during all these years, the richest and most desirable colors and markings in the largest proportions.

Samples of Many Reports

From G. H. Taepke, Detroit, Mich.: "Please send me $10.00 worth of your best Pansy Seeds. If colors and size are as good as last year's, I will need double the amount next year."

From Wm. S. Manning, Supt. of Parks, Baltimore, Md.: "The Pansy Plants obtained from you last year were quite satisfactory. Book our order for 50,000 and deliver in October."

Fine, stocky, field-grown plants, from selected stock and sown thinly, broadcast in sandy soil, causing extra good roots, over 60 varieties mixed; $3.00 per 1000; $1.75 per 500; $14.00 per 5000; $27.00 per 10,000; $50.00 per 20,000. Separate colors, $3.50 per 1000. Cash.

L. W. GOODELL, Pansy Park, Dwight P. O., Mass.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with order

E. A. BLINN, Cromwell, Conn.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $2.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn

Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants

In Mixed and Separate Colors, $2.50 per 1000, $10.00 per 5000 lot. Fine, Stocky Plants. **Cash with order.**

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.

2-8 Duane Street, New York

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Gigantea	3.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

citizens in the City of Brotherly Love would steal "Quaker Pie Pumpkins" on Sunday? Perish the thought.

At Walter P. Stokes' the interesting exhibit of Pumpkins, Squashes, grains and vegetables mentioned last week is still maintained. The display of Pumpkins and Squashes has been increased. The number of varieties shown is very large, and the average size remarkable.

At Henry A. Dreer's, Secretary J. Otto Thilow states that the work on the new range of greenhouses at Riverton is progressing very satisfactorily, and it is confidently expected that the range will be completed about Dec. 15, as per contract. The store window display this week at 714 Chestnut st. consists of about 25 varieties of hardy Chrysanthemums; among them the most attractive are R. Pemberton, pink; Minnie Blick, yellow, and Tapis de Neige, white.

The Moore Seed Co. has just received a large shipment of Immortelles, and these are the prominent features of the store display this week. Among the recent callers on this company was E. J. Deal, representing W. W. Johnson & Son, of Boston, England. A letter to this company from one of the large Michigan seed growers, says: "Having received now reports on about two-thirds of the Pea crops of the United States, Canada and Europe, we can only confirm our earlier report, viz.: that the general crop is the shortest in thirty years or more, and we will have but few Peas to offer to the trade."

The Henry F. Michell Co. will be in its commodious and well equipped new store at 518 Market st. by Oct. 24. A rear guard, however, will be left at the old store, 1018 Market st., till Nov. 1, so as to direct old customers to the new and larger store. The store display this week at 1018 Market st. is made up of Cosmos blooms, in a variety of colors, from the Andalusia trial grounds, Ferns and blooming Cyclamens.

Albany, N. Y.

The seed store of Frederick W. Eberle at 112 South Pearl st. has had a complete overhauling. The walls have been newly papered and the seed cabinets added to, giving the store an entirely new appearance and more room to display his very full lines of implements, garden tools and dairy supplies. Mr. Eberle is now at work on his Spring catalog.

George H. Price, the old established seed store at 516 Broadway, is making a fine display of Dutch bulbs, Hyacinths, Tulips, Narcissus, etc. Mr. Sunnall, his representative, reports that bulb orders are coming in very satisfactorily. The orders come mainly from retail customers as the trade in this section generally import their own bulbs. The manager further states that in consequence of the conditions of many of the seed crops it will be hard work making prices for the market gardeners, and he has deferred his road trip until he can get nearer to the prices that will rule for Winter and Spring sales.

L. H. S.

Review of Dutch Seed Crops

The fine Autumn weather has made it possible to harvest the late seed crops in best condition. It is not often that we can do so much in a short time. Corn crops are not so heavy as in 1909, but all is stacked fairly well. Caraway seems to be bad to sell, prices running down. Peas are scarce and dear. Very much Chervil is sown for next year, the young crop will be greatly benefited by rain. Mangel plants for 1911 are looking very well. Turnips and Kale might look much better; a nice steady rain would do a lot of good, especially in the clay soils. Radish seed is harvested, and will yield a medium average; some growers have stacked the crop, whereas others are threshing already. As you will know, it is very difficult to separate the seed and pods of freshly harvested Radishes with a threshing machine, but this question has now been solved. Mr. Dallinga, Winschoten, dealer in agricultural implements, has constructed a special Radish thresher, giving excellent work, directly cleaning the pods and saving all seeds from out the straw. Certainly it should interest English growers to inspect the machine when threshing. —P. in *Horticultural Advertiser.*

Seed Station Established in Venezuela

The Venezuelan Government has ordered the establishment of a section of plants and seeds under the agricultural division of the Ministry of Commerce (Fomento), which is charged with the monthly importation of seeds and plants approved by the Minister. The seeds will be carefully handled and nurseries planted of seeds or of budded or grafted plants, which will be distributed monthly, gratis, to agriculturists. The section of plants and seeds will supply full instructions as to planting and cultivation, but will demand a report of the results obtained from each agriculturist or gardener. The Minister of Fomento, Plant and Seed Section, may be addressed at Caracas by anyone interested.—*U. S. Consular Reports.*

Mustard Growing in the Netherlands

Mustard seed is sown in Holland in March and April. It blossoms like Rape but the plant is stronger. The crop, as a rule is ready for harvest in August or September. The plants are cut and the seeds dried on the shrubs of the plants, or,

Cost is measured by the results obtained and in no other way

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

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Fresh Mushroom Spawn



ENGLISH AND AMERICAN

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English Milltrack made by "Barter," the best maker of spawn in England.
PRICES
Per 100 lbs....$6.50
Per 1000 lbs...60.00
250 lbs. and over at the 1000 lb. rate.
Pure Culture Spawn made in America by the most reliable maker.
PRICES—Per doz. Bricks, $1.80; per 25 Bricks, $3.50; per 50 Bricks, $6.60.
Dreer's Special Mushroom Circular Free.

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Watch for our Trade Mark etamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.
Trade Mark **American Spawn Co., St. Paul, Minn**

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BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S. Crown 8vo., Cloth, 212 pagee, 42 illus.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, **FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.**

perhaps more generally, the shrubs are put together in small piles and thus dried in the fields. The yield varies from 50 to 90 bushels per hectare (1 hectare=2½ acres). Generally a rich soil is chosen for Mustard, but only a few farmers are inclined to cultivate it, because once in the ground it is apt to stay there forever; that is to say, it is almost impossible to eradicate the seeds. After many years the seeds will appear again in the same field where they once have been grown.

Mustard seed is sold by the farmers per hectoliter (1 hectoliter=2 5-6 bushels) and the dealers sell the seeds in bags of 100 kilos (220 pounds) "gross for net." At present (July 28, 1910) the prices are: Yellow, $7.20 to $9.60; brown, $12.80 to $14.40, including bags, net cash, all according to quality. The prospects of the new crop are not favorable in Holland this year, and generally a small crop is expected; besides, the quality will probably be very unsatisfactory on account of the bad weather prevailing here for many weeks.—*U. S. Consular Reports.*

Mustard Growing in England

Mustard is grown in England to a considerable extent in the eastern counties and the Fen district and to some extent in the Midlands. It is ordinarily grown in heavy, black soil, but it is generally believed that the crop draws a great deal of strength from the soil; for that reason it is not especially popular. Some landlords even restrict its growth altogether.

The secretary of the Board of Agriculture and Fisheries advises that Mustard is remunerative in some seasons, but that it is not a very popular crop, inasmuch as the demand is somewhat restricted, and the seed is apt to fall out before the crop is harvested, due to irregular ripening, so that the land may grow Mustard as a weed in subsequent seasons. This is another reason for its unpopularity with the landlords.

The yield per acre is variable, ranging from 20 to 30 bushels, but 20 bushels is usually considered a fair yield. The seed rate is usually about 3 to 4 pounds per acde when drilled in rows from 10 to 12 inches apart. One authority advises that Mustard is sometimes grown with cereal crops, when about 8 to 10 bushels may be secured in addition to the other crop. Both brown and white Mustard are grown, but the brown variety is more valuable and is, therefore, more extensively cultivated.

The current market prices for Mustard in London, per imperial bushel, are as follows: Brown, 12s. to 15s. ($2.92 to $3.65); white, best, 9s. 6d. to 11s. ($2.31 to $2.68); white, common quality, 7s. 6d. to 8s. 6d. ($1.82 to $2.07).

The Vermorel Injector

On page 644, issue of Oct. 8, we published an illustration of a French tool, the Vermorel Injector, which is used to inject bisulphide of carbon into the ground to destroy soil pests, and which instrument is said to minimize all risk attending the handling of this chemical.

Can any of our readers advise inquirers as to whether this tool can be purchased in the United States?

Bulb Bargains!!!

At Cost, To Close Out Remnants!

HYACINTHS

	First Size 18 centimetres and over; 4 Cents	Second Size 16 to 18 centimeters 3 Cents	Miniature 1 1-2 Cents
BARON VAN THUYLL		17	24
GERTRUDE	436	230	970
GIGANTEA	137	350	970
GRANDEUR MERVEILLE	12	12	21
GRAND MAITRE	360		1270
KING OF THE BLUES	36	60	120
L'INNOCENCE	336	160	570
LA PEYROUSE	11	12	23
ROI DES BELGES	11	80	265
ROSEA MAXIMA	10	12	23
RED		84	
WHITE		77	
BLUE		93	
ROSE		80	

TULIPS Quality Guaranteed

	SINGLE	Per 100	Per 1000
675	ARTUS	$1.00	$8.00
177	CHRYSOLORA	.75	
6500	KEISERSKROON	1.00	8.50
525	L'IMACULEE	.70	6.00
1700	YELLOW PRINCE	.70	6.00
100	DUC VAN THOL, white	1.00	
1130	ROSE GRISDELIN	.80	7.50
350	DUC VAN THOL, scarlet	1.00	
225	BELLE ALLIANCE	1.50	
955	COULEUR DE CARDINAL	1.00	9.00
385	GOLDFINCH	.75	
7500	LA REINE	.80	7.00
500	PROSERPINE	1.50	
220	VERMILION-BRILLIANT	2.00	
835	CANARY BIRD	.75	6.00
855	WHITE SWAN	.75	6.00
485	MON TRESOR	.75	6.00
1985	ROSE LUISANTE	.75	6.00
	DOUBLE		
550	COURONNE D'OR	1.25	
220	LA CANDEUR	.90	
1920	MURILLO	1.00	9.00
270	RUBRA MAXIMA	1.00	
375	TOURNESOL	1.25	

NARCISSUS

		Per 100
500	DOUBLE VON SION, 2 and 3 noses	$1.75
500	DOUBLE VON SION, first size	1.25
500	DOUBLE VON SION, second size	1.00
1500	GOLDEN SPUR, single, first size	1.00
1000	EMPEROR, single, top-roots, 3 and 4 noses	1.25

SPANISH IRIS

525	L'IMMACULEE	.70	6.00

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25 Cases of Bulbs, of the following varieties:—

2400 **SINGLE TULIPS, Cottage Maid.** Rosy white.
2000 **Yellow Prince.**
4000 **Thos. Moore.** Terra cotta.
2000 **Duc Van Thol.** Scarlet.
1000 **Artus.** Red.
3700 **Cerise Gredelin.** Rose.
5000 **La Reine.**
5000 **White Swan.**
1000 **Rex Rubrorum.** Bright red.
1000 **Chrysolora.** Yellow.
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2000 **Proserpine.** Rich, dark rose.
3800 **L'Immaculee.** White.

4200 **DOUBLE TULIPS, Murillo.** White.
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1000 **La Blason.** Pink.
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1000 **Branch Bordie.** Purple.

2500 **NARCISSUS, Henry Irving.** Broad yellow perianth.
5000 **Campernelle, Jonquils.**
5000 **Barrli Conspicua.**
5000 **Emperor.** Deep primrose perianth.
5000 **Poeticus.** White, golden eye.
5000 **Glory of Leyden.** Immense trumpet.
1000 **Flora Wilson.** White perianth, orange cup.
5000 **Ajax Princeps.** All yellow.

2000 **SINGLE HYACINTHS, Countess Leicester.** Red and yellow.
2000 Blue. All shades.
2000 Red. All shades.
2000 White. All shades.
500 **AMARYLLIS. Belladonna.**
500 **Johnsonii.**
3 Cases **LILIUM HARRISII.** 400 to case.
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3 Cases **WHITE ROMAN HYACINTHS.** 12 to
5000 **FREESIAS. Selected.**

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The Week's Work

BY
FRITZ BAHR

Lilium Speciosum Rubrum

A Valuable Lily for the Florist

The retail grower, the one who has design work to handle, always has use for Lilies. Whether candidums, longiflorums, auratums or any of the other many favorites, in a floral wreath, cross or pillow, a few Lily flowers give a tone to the whole arrangement that no other flower, perhaps, outside of Orchids, can give; and among the Summer flowering sorts there is hardly any which is of greater value than Lilium speciosum rubrum, also known as roseum—which by the way, would seem to me the proper name, for the coloring in the flowers can hardly be called a red; however, this isn't very important. Of all the many beautiful varieties of Lilies the florist uses and which come from Japan, L. rubrum is, to my mind, the best one. Its flowering period extends over several months; by that I mean to say that the flowers do not open at the same time. Twenty flowers to a plant is nothing unusual; and their coming, during July and August, and into September, when planted outdoors, is another important factor. They are perfectly hardy throughout the middle West, and more of them should be planted by the florist. Only the other day I noticed in one of the downtown flower stores of Chicago a 4-ft. wreath of these Lilies with Maidenhair Ferns. I don't believe that I have ever seen anything more beautiful in this line than was this combination; the cost of this wreath—actual cost to the florist—was $3.40. Don't ask me what he got for it, but whatever it was the piece was worth it. The bulbs of L. sp. rubrum can be planted out either in Fall, if the bulbs don't come too late for planting, or in early Spring. We received a lot last March, too early for planting out; they were potted up into 5's, kept in a cold frame until early April, when they were planted out into the field. The plants began to bloom in early August and we are still cutting a few flowers. The bulbs planted out a year before overwintered nicely and produced grand plants this Summer, loaded with fine flowers, coming into bloom much earlier than the other stock, and of better quality. There is also a white, or nearly white L. speciosum, but this one while also beautiful does not do as well with us as the other.

Carnations

Necessity for Disbudding the Stock

Most growers are cutting good flowers of the newly planted stock by this time, and to judge from what one finds on the market it would seem that everybody is having good stock this year. What does hurt, however, is to find in the wholesale houses lots of flowers at this time of the year which have not been disbudded, and various excuses are offered by the grower for this; in most cases, lack of time is given as the reason, as if that *was* any reason. You may have the very best of flowers in spite of letting several side buds remain; this, nevertheless, is bound to detract from the appearance of the flower, and if you haven't time to grow and attend to the plants properly the best and only thing to do is to quit the growing altogether. There used to be a time, and not so very many years ago, when certain growers thought neither of disbudding nor supporting the plants, except, perhaps, very late in the season, but those days are gone, never to return again. Better and more scientific culture will be required of all of us who are going to stay. A time may come when disbudding will be discontinued, but for the present everything that stands in the way of getting a long stem and a large flower has to go. Whether the flower is more artistic with such treatment or not has nothing to do with the case; we have to produce size, and this comes before color, form, finish, or anything else we admire about a flower. You bring to the market 100 long stemmed, extra large flowers of some Carnation and no matter what the color you will sell them; then bring the most exquisite shade and fine form, but lacking size and stem, and all bets are off. Disbud your stock! Let all the strength go into one bloom per stem, keep the stem clean from side shoots, and attend to the supports, so that you get a straight stem. You must attend to these things if your stock is to stand a show with that of the other fellows.

Marguerites

Cultural Hints for the Production of Profitable Stock

The present is a splendid time to propagate a good batch of these valuable flowers for florists. We used, years ago, to spend quite some time in growing on large plants in pots during the Summer months, in order to get specimens in 8″ pots by Fall. These plants occupied a lot of valuable room during the Winter months, and did not pay nearly as well as other things entailing half the trouble; and we found out that during Midwinter it made but little difference whether we had old or young stock on hand, as far as blooming was concerned. Any of them prove shy bloomers during the short days of Winter, but towards Spring, no matter whether large or small plants, every shoot is loaded with buds. So we made up our minds to stop growing the extra large specimens, and while we have on hand a few good 4″ and 5″ pot plants, we propagate our main batch now. By only ordinary culture you can have these cuttings grow into 4″ and 5″ pot plants by April, and if large specimens are required for Easter use a number of plants for made-up dishes. If wanted for cut flowers, plant some 3½″ or 4″ stock out into about 4 inches of soil in March and they will produce great quantities of long stemmed flowers during April and May, far superior to anything you get earlier in the year from the pot plants. Marguerites are considered by many as common flowers and only fit to occupy out-of-the-way corners and ends of benches, and that, and only that, is the reason why they don't pay better. But the minute you pay the proper attention to their culture, which means to grow them as well as it is possible, you will find them to bring as many dollars as anything we handle. This is surely the fact with every retail grower. The public loves a Marguerite as much as ever, and no Rose or Carnation will ever take its place as a favorite.

Summer Blooming Carnations

Good Time Now to Propagate this Stock

The perennial border is the thing. Some call the plants in it "perennials"; others "old fashioned flowers," and still others "hardy plants" which are to bloom all Summer. Few places of any size are now to be found where there isn't set aside a place for a bed or beds where a good assortment of these old favorites are being grown, and whether the local florist is called upon to furnish stock of this nature or not, he usually has to provide for such annuals as are necessary to complete a bed or border of this kind, and among the many things the Summer flowering Carnations are of great importance. While we have quite a number of Carnations which can be grown from seed for this purpose, such as the Marguerite, Giants of Nice, or Chabaud's Perpetual, there are none that can beat the ones we grow indoors during Winter, and November is the time to propagate stock intended for this purpose. From now on the plants will furnish side growth along the base of the flowering stems, which, when removed and put into sand will easily root in three weeks; this will bring you close up to December, when the young stock goes into 2″ pots, and if at all taken care of and pinched back several times, bushy plants in 4″ pots will be

Our Sensational New Ostrich Plume Celosia

"Pride of Castle Gould"

In grand shape at our Greenhouses, in 7 inch and 8 inch pots, 2 to 3 feet tall, price **$2.50** and **$3.00** each

JULIUS ROEHRS CO., Rutherford, N. J.

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the result by next April. Such stock when planted out will begin to bloom by the middle of June and keep it up until frost. You can safely recommend these plants to your customers, and the stock ought to bring $1.50 per doz. With many growers it pays even to grow such stock for cut flowers for Summer use, especially white varieties and Enchantress; while the flowers may lack in stem in comparison with the indoor grown stock, they can still be used to great advantage. Years ago we used to grow Portia for an ideal red, outdoors, and while practically all of the newer red sorts are adapted for that purpose, we never have had any to equal Portia as a Summer bloomer.

Christmas Notes

Useful Suggestions in Preparing for the Holidays

It isn't too early to seriously think and plan for Christmas preparation. Only too often we let things go or put them off until too late. If you are going to buy foliage or flowering plants, it is far better and to your own interest to get busy right now to find out where they can be had. Cyclamens and Lorraine Begonias, when well done, are never too plentiful during December. Why not locate good stock now and place an order? Palms and Ferns will not go down in price between now and Christmas, so if in want place your order now. How about the Paperwhites? You may not need many, but if any are to be had in bloom by December 20, they ought to be planted at once; let them come along slowly. Don't overlook planting some of the double Romans; many people object to the Paperwhites on account of the strong odor which to some is quite offensive; the double Romans haven't got this; on the contrary, theirs is a pleasant odor, and with us there is quite a demand for them for the holidays. Have you got a nice lot of Jerusalem Cherries and the Celestial Peppers on hand? If so, keep them cool, otherwise they will not be of much use by Christmas, and that is the time you want them most. With the Celestial Peppers, in particular, we often have trouble in this respect, but a cool house and a light spraying occasionally to freshen up the foliage helps a whole lot to keep them in good shape.

If you force Harrisii Lilies for Christmas flowering don't let the temperature go below 65 degrees at night. This, so far, has been glorious weather for them, for no matter how much artificial heat you may apply, dark days are hard to overcome; but with plenty of sunshine, things move twice as easy. Let the plants come along uninterrupted from now on; a check to them means a whole lot—and don't forget to spray with some insecticide to keep greenfly down. Spraying the Lilies heats fumigating for it requires too heavy a dose to get into the center of the plants—and that is where the trouble usually can be found.

Miscellaneous Bulbs for Forcing

A Few of the Many Adapted for the Florist

While Narcissi and Tulips form the most important classes of plants the average florist depends on, bulbs of which he plants in the Fall, there are quite a few other beautiful flowers which might be grown by the retail grower, especially the one who has call for things a little out of the ordinary. Most of the under-mentioned sorts are not intended for early forcing, in fact, the slower they come along the better; the more time you give them to develop the finer the flowers, and none of them should have a higher temperature than that of a Carnation house, when brought in from the outside. For the Iris and Gladioli, I like to use flats of convenient size; for the Ixias and the Anemones, shallow dishes or pans, such as are made use of for Freesias, can be used. If you have a Violet house you have ideal quarters in which to start any of them. In the Gladioli of the Colvillei section, Blushing Bride is one of the best; it adapts itself to many purposes for which cut flowers are used, and the cheapness of the bulbs, about $5 per 1000, is also to be considered. The Bride is the pure white one of the five or six sorts we have of the Covillei type. In the Iris Hispanica, or Spanish Iris, we have quite a few beautiful sorts, all excellent for forcing or outdoor culture. Some of the blue and white sorts are of especial value for design work, and more of them should be seen at the florists; while they should never be forced very hard, and don't bloom until the early Spring months, they are deserving of more attention. British Queen, white, Count of Nassau, dark blue, and Louise, light blue, are among the best. In the Ixias we have another desirable class of plants in several dozen species, all natives of South Africa; I. Crateroides major has a scarlet flower. For good effect plant about twelve of the little bulbs into a 7" bulb pan, allowing the plants to grow in a Violet house until the buds show. Anemone coronaria is a useful flower, and so are the Tritonias, they differ but little in regard to treament and all should be grown more.

Coming Exhibitions

Albany, N. Y., Nov. 10-13, 1910.—Second Annual Flower Show under the auspices of Headquarters Tenth Infantry, N. G., N. Y., at the State Armory. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Show to be held in Convention Hall by Buffalo Florists' Club. Wm. F. Kasting, Chairman of Committee.

Chicago, Ill., Nov. 7-12.—Annual Fall Exhibition of the Horticultural Society of Chicago to be held in the Coliseum, Wabash ave., nr. 15th st. Secretary, J. H. Burdett, 1620 West 104th Place, Chicago, Ill.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Seeretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Irvington, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. Will be held in the Irvington Town Hall. E. W. Neubrand, secretary.

Indianapolis, Ind., Nov. 8-12, 1910.—Fall Flower Show of the State Florists' Association of Indiana to be held in Tomlinson Hall. A. F. J. Baur, 38th and Senate ave., Indianapolis, Ind., secretary.

Lenox, Mass., Oct. 26 and 27, 1910.—Tenth annual Fall exhibition of the Lenox Horticultural Society, to be held in the town hall. George H. Instone, secretary, Lenox, Mass.

Milwaukee, Wis., Nov. 7-14.—Flower Show Milwaukee Florists' Club in the Auditorium.

Minneapolis, Minn., Nov. 9 to 13, 1910.—First Flower Show to be given by the Minnesota State Florists' Association at the Armory, Kenwood Parkway. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis, Minn.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Poughkeepsie, N. Y., October 27-28, 1910.—Sixteenth annual exhibition of the Dutchess County Horticultural Society, under the auspices of Company K, at the State Armory. Secretary Herbert G. Cottam, Wappingers Fall, N. Y.

Red Bank, N. J., October 26, 27, 1910.—Chrysanthemum exhibition of the Monmouth Co. Horticultural Society, in the Armory, Red Bank.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Collseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y.—See Irvington, N. Y.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

To Catalogue Men

The Novelty Spencer Sweet Pea Sensation for 1911



"MAUD HOLMES"

SUNPROOF CRIMSON SPENCER

This is undoubtedly one of the finest novelties of recent introduction; flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, and blooms are of the true Spencer type, both standard and wings being well waved.

The variety will not burn under the hottest sun, is of vigorous and strong growth. The stock is fixed, as is shown by The National Sweet Pea Society's trials in England.

We have been appointed the sole agents for this variety in America by Robert Holmes, the originator

PRICE, per 100 packets $7.50, per 1000 packets $70.00

250 packets at thousand rate

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3 to 4 ft. at $5.00 per 100; large stock is scarce.

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Heavy Stock, 35, 50, 60 and 75 cents each.
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Pyramids, $2.25, $3.00, $3.50, $4.00 and $5.00 each.
Pyramids, Square Shape, very handsome, in fancy tubs, $12.50 each.

It will be well to place your order for above at once. We can hold same for future delivery, or ship at once.

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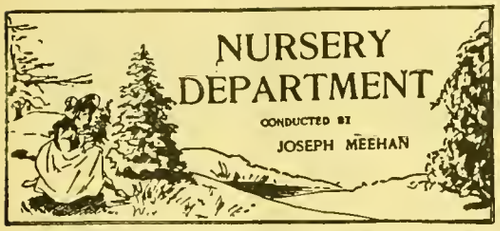

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

Probable Effects of the Drought

From all sections of the country, florists and nurserymen are much concerned because of the lack of rain. Plants and trees, and shrubs of all kinds are showing the effects of the prolonged drought. From southern Pennsylvania a correspondent writes us that the Judas trees, which abound there, have their leaves drooping as though their roots were out of the ground. There are a few exceptions to this state of affairs. From Tennessee, for instance, a correspondent writes of having two days of incessant rain.

The drought is a serious hindrance to business. This is the season when shipping should be at its height, and to get stock dug is next to impossible. There is also a disinclination on the part of a buyer to receive trees in dry times, though this is a mistake if water is available. A tree can be better planted in dry weather than in wet. The soil can be crumpled up fine, so that it can be made to find its way around every root; then, if water be poured into the holes better planting could not be desired. The leaves must all be taken from deciduous stock before the planting, or before the job is finished. The soil, owing to its dry nature, can be worked better than if full of water, so that planting at such times leads to success.

There is one thing the dry weather favors, viz.: the thorough ripening of the wood of trees and shrubs, and this goes a great way towards partly tender ones weathering a cold Winter advantageously. In eastern Pennsylvania the Fall season of 1909 was very similar to this one. September and October were very dry, so that Roses and some other shrubs not over hardy ripened their wood so well that they wintered better than they had done for many a year.

And let us hope that, like November with us last year, there will be plenty of rain in the coming month, that Winter may find the soil full of moisture.

Magnolia grandiflora

Among the many articles florists now find of use to them in their decorative work, the leaves of the evergreen Magnolia grandiflora, are not unknown. They are so large, of such a bright green, and so lasting that they help along well in many kinds of decorative work.

As this Magnolia is about at its northern limit at Philadelphia, the foliage has all to be obtained from the South, and even a good way south, as even at Washington the foliage is often considerably browned in Winter. The writer remembers seeing some one Spring near the Potomac, at Arlington Cemetery, which showed foliage as badly scarred as trees in Philadelphia do.

The best place for this Magnolia, where cold is to be feared, is one free from winds and sun in Summer and where frost can be kept away from its roots by heavy mulching. When experience tells that the foliage is bound to be destroyed in Winter, it seems reasonable to think that cutting it all off on the approach of cold weather would be an advantage, for it has been claimed by writers that dead foliage and dead wood still draw on the sap of a tree, and it is this drain on a tree in Winter that often causes disaster to it.

Anyone wishing to raise seedlings of this Magnolia could easily do it, as the seeds are abundant in the South. Florists should get seed in Autumn, place it in damp sand for a few days, to rot the pulp, then wash the seed clean and mix it with slightly damp sand and keep it in a cellar all Winter, sowing it in a greenhouse in February. In about three weeks the seedlings will appear and they should then be potted. If greenhouse grown, for a few years they advance in size more rapidly than when grown outdoors.

Magnolia grandiflora varies much in the shape of the foliage; some specimens have long, narrow pointed leaves, others very broad. The writer has one in his garden, raised from seed of a Philadelphia tree, the leaves of which are broader at the top than at any other part of them, and it seems fairly hardy too.

The Washington Thorn

Trees and shrubs with ornamental berries are always in demand for planting, and whether the berries ripen in early Summer or later there is always admiration for them. But it is in late Summer and Autumn that pretty berries please the most, for with the close of September, practically all kinds of such trees and shrubs are out of flower. Just now, the Crataegus cordata, known as the Washington Thorn, is adding the red to its berries, which will bring the species presently among the leading ones of the number giving color to grounds in the Autumn of the year. It has been said before of this native Thorn that it is in the front rank of all the Crataegus, in the beauty of its Autumn display. The berries are smaller than those of many species, but there are numbers in a cluster, and its scarlet is of a deeper character than any other of those fairly common in cultivation. Then its shining green leaves are also in the lead among the sorts mentioned, being fresher looking than usual in this genus.

A fellow species in many plantings is Crataegus coccinea, and it deserves prominence, because of its very large berries, some of them almost as large as small Crab Apples, and of a good red color too. But the foliage, though many times larger than cordata, has not its vivid green. There is this difference in the two to be considered—the coccinea commences to ripen its berries in September, while cordata does not do the same until October, always a full month behind the other.

Both of these Thorns are good, in fact they are considered the leading kinds, as landscape gardeners call for them by the hundreds for grouping in one spot to make a blaze of color in Autumn. Seeds grow freely, but usually take a year in the ground before they sprout.



Yucca Gloriosa Recurvifolia

Pussy Willows

There seems to be an ever increasing demand for the products of the florists and nurserymen on the part of the public, so closely are flowers and trees associated with joyous occasions. Flowers, leaves and other parts of plants, are demanded now on all occasions where people meet together for pleasure, and it seems to matter not what the article is in the line of the florist and the nurserymen, there is some use for it. The Pussy Willow has long been in repute for the purposes named, its use antedating the founding of our country, for in the Old World it was called for before America was known to the white man.

Of late years, in company with many other useful shrubs and trees, the Pussy Willow, Salix Caprea, has been set out in the grounds of florists for the purpose of getting its shoots to be used in forcing for flowers. Dependent on the season, often they need no forcing for Easter, being in flower outdoors at that time; but florists in a good line of business say it does not matter, that other dates may be considered for its flowering, for it and many similar temporary flowers sell just as well at times aside from holidays.

Those considering planting would do well to start with young plants. If with good roots, the younger the better; as when old plants are set out it takes as long for them to recover and make strong shoots as it would the younger plants to reach the same stage.

Select a stiff soil for Willows, and if damp, as such soils usually are, it is just what Willows want. When planting them, cut them back well, no matter what grade of plants they are, as what is required by the florist who sells them are shoots of some length, and this the cutting back ensures.

Salix Caprea is universally looked upon as the Pussy Willow, but there are other Willows useful in the same way; one of them, Salix Medemii, is a particularly fine kind, its growth being stronger than that of S. Caprea, with flowers to correspond. The flowers forming the "pussies" are the male ones, and in the case of the Medemii they are so large and attractive as to call for the planting of this one on lawns in the way the older one, Caprea, now is.

Yucca gloriosa recurvifolia

Philadelphia is much favored in a climatic way, so many plants thriving there that seem to make that city the limit of their line of hardiness. Time was when Yucca gloriosa, and its variety recurvifolia were considered only greenhouse plants even there, but now both are among the hardy plants and endure every Winter as it comes along.

Before us is an illustration of the Yucca gloriosa recurvifolia, as it is called. It is one of the best of several Spring-flowering sorts, such as the angustifolia (glauca), filamentosa, and several varieties of the latter. The first of these to flower is angustifolia, next the recurvifolia, and lastly the filamentosa and its varieties. Our picture shows recurvifolia in full display of flowers; right behind it, on its left, may be seen, too, spikes of filamentosa, showing them to be some weeks behind recurvifolia in their development.

Although recurvifolia is considered as a variety of gloriosa, there is but little about it in appearance to connect it with that one, save its spikes of flowers, the foliage, in its drooping character being quite dissimilar, the leaves of gloriosa being quite stiff and of upward growth, chiefly. Then, too, while recurvifolia gives us its flowers in May or early June, gloriosa hides hers until October. Gloriosa, as it behaves in our country, its native place, is not considered an arborescent species by the U. S. Dept. of Agriculture, yet, as it grows in the south of England, it is certainly arborescent, and it is considered there to be the true gloriosa.

All Yuccas are increased by cutting the roots into small portions and setting them an inch or two under ground, or in sand on a greenhouse bench, and also by seeds, when they can be obtained.

Merits of the Pin Oak

What a valuable tree the Pin Oak is for varied planting is shown by the numerous avenues of them, and the great numbers of single specimens adorning our lawns. Time was, and not so very long ago, that on old estates but few Oaks, aside from the English—Quercus Robur—were met with. In the days when it was planted, nurseries here in which native Oaks and other trees were raised did not exist, and what trees were planted were imported. It is different now. All nurseries carry a stock of young Oaks of native species, beds of seedlings of thousands of a kind and of varying ages, from one to three years, and blocks of transplanted sizes, besides. The Pin Oak, Quercus palustris, appears to lead all others for lawn planting, but in parks where long lines of trees are wanted many other species are used as well. As each Oak has a character distinct from any other they are all most valuable to planters.

Following the superseding of the Quercus Robur by such native species as the rubra, tinctoria, coccinea, macrocarpa, palustris, etc., which are common in the northern States, some of the less common ones such as falcata, nigra, obtusiloba, Michauxi, etc., are now being sought for. It shows that what is planted does not always represent the best; oftener it is what is easily procurable only.

But when one of the oldest known ones, the Pin Oak, still leads all, as it really does, it is evident that it has merits above the ordinary, and it surely has. There are its finely divided leaves, of lovely green, keeping green almost to the last thing in Autumn; its drooping lower limbs, not drooping exactly but with a straight, though downward growth; and then must be added that while all other Oaks require great care in transplanting, the Pin Oak proves to require less care to obtain success. Whether in avenues, as seen in many of our parks, or as single specimens on lawns, the Pin Oak is always a beautiful object.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. Samples will be forwarded on application.

SPECIAL SALE OF

California Privet

	Credit price per 1000	Cash price per 1000
6 to 12 inches, 1 year, 2 to 5 branches	$4 00	$3.00
12 to 18 inches, 1 year, 2 to 5 branches	7.00	6.00
18 to 24 inches, 1 year, 2 to 5 branches	13.00	12.00
6 to 12, 2 years, very bushy	5.00	4.00
12 to 18, 2 years, very bushy	10.00	8.00
18 to 24, 2 years, very bushy	15.00	12.00
2 to 3 feet, 2 years, very bushy	20.00	18.00
3 to 4 feet, 2 years, very bushy	25.00	23.00

CAROLINA AND LOMBARDY POPLARS

	Per 100	Per 100
7 to 8 feet, 2 years	$6.00	$5.00
8 to 10 feet, 2 years	7.00	6.00
10 to 12 feet, 2 years	9.00	8.00

Terms, Cash with order or satisfactory reference.

Purchasers of known responsibility desiring credit will be charged at credit prices. Those unknown to us who fail to furnish satisfactory references must positively send cash with order. All who send cash with order will be allowed our special cash prices.

The Lancaster County Nurseries
R. F. D. No. 7
Lancaster, Pa.

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California Privet



I am offering an extra fine stock of two-year-old California Privet, which will be graded according to the high standard which I have always maintained.

QUALITY as well as PRICE should be considered.
It will pay you to send me your list before your place your order.

I am Growing California Privet To Sell, and I Sell It. There must be a reason.

C. A. BENNETT Robbinsville, N. J.

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ONE-HALF MILLION

CALIFORNIA PRIVET

		Per 1000	Per 10,000	Per 20,000
1, 2 and 3 Year Stock as follows:	1 to 1½ ft. 3 branches up	$10.00	$ 85.00	$165.00
	1½ to 2 ft. 4 branches up	15.00	125.00	210.00
	2 to 3 ft. 6 branches up	20.00	175.00	325.00
	3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
	4 to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect

ORDER EARLY **DON'T DELAY**

CARLMAN RIBSAM, 31 Wall Street TRENTON, N. J.

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Car load of 2 to 3 and 3 to 4 feet sizes, for Fall shipment. Also 18 to 24 inches, 1 year, 3 to 5 branches, $15.00 per 1000. Carefully graded.

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500,000 California Privet
FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also, a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

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California Privet

2 year branched, 2 to 4 shoots, $12.00 per 1000
3 to 6 shoots, 15.00 per 1000
No charge for cases or packing

Henry Eichholz
WAYNESBORO, PA.

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BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10 00
18 to 24 in., 1 year, 3 to 6 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

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The Prices Advertised in these Columns are for the Trade Only



BY EBER HOLMES

Importance of Early Morning Ventilation

The importance of early morning ventilation is a topic worthy of consideration at this time. It seems as though a great many growers do not pay sufficient attention to ventilation, especially the young men in charge of sections. In Midwinter, when the sun is weak and the cold intense, there is not the need of this early ventilation, and in Midsummer the houses are open most of the time; but during the Fall, after firing commences and the air is considerably reduced, so that only a few inches are left on—or, in other words, the ventilators are almost closed tightly—it becomes necessary to watch carefully lest the houses warm up too quickly.

The proper way to ventilate is to commence to increase the air just as soon as the temperature shows a tendency to rise. This condition may be due to a rising outside temperature, or to the sun shining on the glass. The outside rise must be anticipated, so that the rise in the house will be gradual. The air should be increased at intervals, until the maximum is reached in the forenoon, and then reduced in the same way during the afternoon, leaving a little on all night whenever possible. During high, cold winds enough ventilation is obtained through the laps between the glass.

The wrong way to ventilate is to wait too long before commencing and then putting on a large amount of air to try to cool off the house. A common way with beginners is this one: after a cold night, the fire under the boiler is likely to be heavier than usual; there are more steam pipes than usual turned on the house and these are left on because it is pretty cold outside at 7 o'clock; the man commences to cut Roses and the sun to shine on the glass so that a house that stood at 60° at 7 o'clock is up to 75° or more by 8; the grower (?) sees the rapid rise, banks the fire, throws open the ventilators, and by 9 o'clock the house, probably, is back to about 68°. This is a common occurrence at a great many places, and it is altogether wrong. It is really easier to ventilate the right way than the wrong; all that is necessary is to study the conditions as they vary from day to day, to watch the weather and to always be prepared for any change. There is no better preventive of mildew than proper early morning ventilation, and there is no surer way to effect this than by the improper method just described.

Proper Syringing

Syringing is another feature of Rose growing which is not always understood. I saw a beginner, recently, who commenced on a bright sunny morning. A good syringing was given the plants; the same conditions prevailed on the next morning and the operation was repeated. On the third day, in a pouring rain he was ready with his rubber boots and apron for the same work, thinking it a regular feature of the day's exercise. Syringing must be cut down at this time of the year; if practiced too much the plants get soft and, besides making them subject to fungous diseases, they do not break so well. In bad weather, a week or more may elapse without an opportunity to syringe the plants. If the plants have red spider on them at the commencement of a siege like this, it is a poor outlook for their well doing, and it is sometimes advisable to give a thorough syringing, even on days when the foliage will not dry before night, rather than have the plants ruined by red spider. This is a case of choosing the lesser evil of the two. It certainly discourages red spider when the bushes remain wet over night, and if there are no flowers to spot, and steam heat with air is carried all night, varieties not subject to black spot do not show any ill effects from this treatment. The proper way is to syringe often enough on good bright days, and to do it in such a thorough manner that no spider can ever get a foothold; and then when the bad weather comes the plants will pull through with a damping down daily. A good syringing two or three times a week ought to keep the plants clean. When you damp down, wet the dry walks, and the woodwork, such as the sides of benches, and spray through the bottoms of the plants occasionally without wetting the thick foliage; this will often induce good breaks, by softening up some of the dormant eyes on the older wood.

Improving General Conditions

Tying, weeding, cleaning, disbudding, and all such work should be attended to carefully. It does not pay to neglect any of these things. Water must be given carefully as the days get shorter, but the plants require generous supplies yet if they are growing well. From what I have seen, as much harm has been done, in the Fall, by giving too little water, as has been done by overdoing it, especially if beds are over or close to steam pipes. Judgment is required in this as in everything else. Generally speaking, Roses in good sunny houses will need a fair watering once a week through the Winter, if the drainage is all right. There are exceptions, of course. When plants are off crop they may be kept on the dry side until they make a new start. The waterings may be of manure water, almost exclusively, in Winter, if not made too strong. When the plants are being watered more than once a week the manure water may be alternated with clear water. Greenfly is liable to get troublesome unless fumigation is practiced regularly. If all the pests which are common under glass found the grower as persistent in his fight against them as they are to assert themselves, we should see little of them. A little prevention is worth a great deal of cure with every insect pest and fungous disease which attacks Roses.

Pinching for a Christmas Crop

From Oct. 20th to 25th is a good time to cut or pinch back Roses for Christmas flowering. If the points are soft they may be pinched out with the thumb, as Chrysanthemums are stopped. In this case, the soft wood will take probably two weeks to ripen before it can break out into a new growth. On the other hand, if the growth is fairly ripe and the bud is the size of a pea or larger a knife will have to be used to make a clean cut, and the new shoots will soon push out. There seems to be little to choose between the two periods of time or methods of stopping, as far as the ultimate results are to be considered.

Topdress Early Benches

Benches that were planted early will need a topdressing by this time. Tie up the bushes so that no straggling shoots lie on the beds. Clean off any weeds or dead leaves. Sprinkle lightly, all over the benches, with bone meal, and cover with one or two inches of good loam mixed well with an equal part of cow manure.

Preparations for Next Season

This is a good time to plow up the land from which the sod is to be obtained for next season's planting. Any grubs near the top will be killed by the frost, and those down deep will not get up in time to get in the Rose soil, if it is removed early in the Spring. Some growers favor piling up such soil on dry ground in the Fall, as some fields are too wet to get on early in the Spring. Others claim that soil piled up in a very dry state will be free from grubs.

If any painting of the heating pipes, with lamp black and oil, is contemplated, it would be better to defer this operation until next Summer. It is getting late now for this, as with the increased fire heat needed, and the reduced ventilation, the fumes given off will be harmful to the Roses, especially if you pay for linseed oil and the dealer gives you fish oil instead.

Stock for Forcing

Roses which have been grown in pots may be laid on their sides if heavy rains come on; this will keep them from getting too wet. The wood must be well ripened to get good results from it. The plants may be left outside until cold weather comes, and then may be protected in a frame until needed for forcing; they will then give the best results. Roses growing outside may be lifted and potted, if wanted for Easter or Spring sales. Do not prune them on top; shorten back the long roots, but save all the short fibrous ones. Pot them firmly in good rich soil in pots of the required size, and give them a good soaking of water. Place in a coldframe, or cellar, away from frost and give air until severe weather sets in. If no such place is available, level off a dry place in the frame yard, spread a few inches of old hay on the surface to prevent the pots being frozen to the ground, lay the pots down close together with the tops of the plants overlapping the pots, cover the whole with six inches of earth and cover this in turn with boards or shutters, to keep dry. The plants may be left here until needed for forcing. It is worthy of note that old varieties like Magna Charta, Ulrich Brunner, Baroness Rothschild, La France, and White Baroness are considered the best today for this purpose. However, there is no dearth of new varieties, as a perusal of the trade papers and growers' catalogs will show.

Among the Growers

F. R. Pierson Co., Tarrytown and Scarboro, N. Y.

While in Tarrytown, on Oct. 13, a representative of the EXCHANGE called upon the F. R. Pierson Co. Mr. Pierson was found very busy with both local and shipping orders. The Pierson Co. has a very large local trade which extends outside of Tarrytown into all of the near-by towns, and in the future it will give more attention to this profitable department of its business than ever before.

At Scarboro the Rose houses are yielding a cut of 10,000 blooms daily. The varieties are American Beauty, Killarney, My Maryland and Richmond. The company is, as usual, trying out new Roses, but the one which it is watching with especial interest is the new English yellow Rose, Lady Hillingdon, which, if the trial is satisfactory, it will disseminate. Mr. Pierson is no believer in inflicting upon the trade new varieties so nearly like the old ones that the difference can hardly be detected by the introducer, and which also lack any special good habit which might justify their introduction.

In Carnations, the company is using the same varieties as last year, Winsor, White Perfection, Beacon, mostly, for red, and Victory in less numbers, and light and dark pink sports of Winsor. The trial of Carnation No. 40 will be continued.

The nursery department of the Pierson Co., especially in regard to local trade, is an important feature of its business. The company is one of the largest handlers of Hydrangeas in this country, and is now filling 1000 or more, 26-in. tubs with plants, which later will be placed in pits for the Winter.

In going through the Tarrytown range of greenhouses, which are well filled, largely with the different varieties of Nephrolepis Ferns, it seemed to the writer that he never saw a better finished stock, and he was never before so much impressed with the fact, pointed out to him by Mr. Pierson, that certain varieties of Nephrolepis grown in the same house under exactly the same conditions are very noticably much darker green than the others. Nephrolepis viridissima, a sport from superbissima, is, as its name implies, a very dark green, and is certainly very attractive in the small sizes in which it was seen. This Fern will probably be disseminated next Spring. Nephrolepis superbissima, with its elegant dark green fronds, is a beautiful Fern. Some Nephrolepis elegantissima compacta, in 8-in. pans, placed on standards, have been grown to such a finish that they are as round nearly as balls. This variety is very useful in small pots too.

A new type of N. Piersoni, the first of the sports of Nephrolepis brought out by the company, which does not revert, is being tried out, as also is another, awarded a certificate of merit by the S. A. F. at Rochester, which may be called Mossi, though the form of the name has not yet been fixed. Nephrolepis W. K. Harris, an improved Boston, is certainly, in the large sizes, one of the best Ferns now offered. Nearly or quite all the other varieties of Nephrolepis are seen growing at this establishment.

Mr. Pierson is now, as usual, working hard, not alone for himself, but for everything which is for the welfare of Tarrytown. Just now, among other matters he is interested in, is that of the elimination of all grade crossings in Tarrytown, and as there are several of them the cost of elimination according to estimates will be $340,000.

Fred H. Lemon, Richmond, Ind.

Everything is in excellent condition at the Fred H. Lemon & Co.'s establishment on the East Side. It embraces approximately 100,000 sq. ft. of glass, and is devoted to the culture of Roses, Carnations, 'Mums, Palms, Ferns and soft-wooded bedding stock for the wholesale and retail trade in and out of the city.

One large house, 400 ft. long, containing some 10,000 plants of Roses, was exceptionally good. The varieties grown here are Richmond, White Killarney, Killarney, Bridesmaid, etc. A good crop was coming on at the time of the writer's visit and the firm is now cutting Richmond and Killarney on stems from 2 to 3 ft. long, and they are of exceptionally good quality. The Brides are coming on in good shape and are also being cut from.

Some 10,000 Carnations are grown in one large house and they are as good as any to be seen in this section of the country. The most notable varieties grown are White Enchantress, Enchantress, Rose Pink Enchantress, Beacon, Victory and Beckwith, a new large red, originated by the E. G. Hill Co. A large crop of flowers is being cut, on stems from 18 to 24 in. long, and the firm has averaged about one and a half blooms to the plant, so far, which is a good average considering the time since they were planted. Other varieties are grown in limited quantities, such as Afterglow, Shasta, Lady Bountiful and a few seedlings.

A large house of 'Mums containing all the leading varieties and several of the newer, was looking well and some good flowers are being cut. One house of Sweet Peas and one of Ferns was also in good shape. Geraniums, Cannas, Heliotrope, Coleus and all the leading soft-wooded bedding plants are grown, and several thousand cuttings are being propagated.

One of the good things seen here was a new large manure tank, 20x15x10 ft. deep, with a cooker to cook the manure in and a pump to pump it to all the houses. A large steam, 150 h. p. boiler has been installed this Summer and a new steam system is also being put in all the houses.

This establishment is one of the largest and best in the city and the firm is getting things in first-class shape for the Winter and holidays. Wm. George Weaver, formerly with the Poehlmann Bros. Co., Chicago, Ill., and later with the Pittsburgh Cut Flower Co. at Bakerstown, Pa., is the Rose and Carnation grower here and he deserves much credit for his stock which is in first-class condition. This firm captured most all the prizes for cut flowers at the Fall festival held here recently. INDIANA.

Gladiolus Primulinus Species

The new African species, Primulinus, is winning its way; an award of merit was recently given it. Apart from its beauty as a yellow, its value for breeding is unquestionable. Some of the loveliest new shades imaginable have been exhibited this season. T. A. W., Eng.

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In writing on the care of 'mums in his "Week's Work," Mr. Fritz Bahr says:—

"While on this subject I might mention our experience with the new insecticide 'Aphine.' We used this preparation on a hundred-foot Chrysanthemum house from the time the stock was planted out in May up to the present. A spraying was given once every week, and while two successive applications were required to get rid of a dose of aphis the plants had when planted out, the stock after that was kept entirely free from it, by applying a weekly spraying of a strength according to directions. I don't know what Aphine is made of, and it really matters little; the important part, besides its effectiveness, to the grower, is its cheapness, for to keep this house free from these insects didn't cost quite $1.50 all Summer."

Thus the effectiveness and cheapness of Aphine are once more demonstrated by an expert authority.

$2.50 per Gallon, $1.00 per quart.

For sale by all seedsmen.

Manufactured by

APHINE MANUFACTURING COMPANY

MADISON, N. J.

Pacific Coast Distributing Agents

MacRORIE-McLAREN COMPANY

Westbank Building, San Francisco, California

Please mention the Exchange when writing.

Richmond, Ind.

The flower show held here recently in the K. of P. Temple, in conjunction with the Fall festival, was a decided success, in spite of the bad weather. There were some very good exhibits and the awarding of prizes was quite satisfactory, though the decisions were very close, especially in the table decorations. Walter W. Coles of Kokomo, Ind., and Irwin Bertermann of Indianapolis, were the judges. George R. Gause gained a first for a cross, first for a Magnolia wreath, first for a wreath, second for table decorations, and second for 25 light pink Carnations. The cross was said to be the very best piece, and it received much favorable comment. The Chas. Knopf Floral Co. won two firsts and five seconds for Carnations, and two firsts for Roses.

Fred H. Lemon & Co. won six firsts and two seconds for Carnations, and two firsts for Roses; they also were awarded second for a cross, second for a wreath, and second for a Magnolia wreath. The amateur exhibition was very good, but not up to expectations. INDIANA.

Utica, N. Y.

The Utica Florists' Club held its regular meeting on Oct. 6, with a smoker and lunch. There was a very good attendance, considering it was a very rainy night. Harry Brant was elected second vice-president and he will surely fill the place with honor. It was voted to hold a Club flower show on November 10 in the Club rooms, and there will also be a lunch served. It is hoped to have a large attendance.

Business is good and Carnations are scarce all around; 'Mums are not as yet very plentiful, but a few days will bring them out.

Brant Bros. have three fine houses of 'Mums, and W. A. Rowlands has two houses. T. McGowan will make a good showing soon, and C. F. Seitzer has already cut quite a good lot.

W. D. Snell, of Herkimer and K. Kilbourn of Clinton were in town lately.

John Humphrey of Rome expects to start in business at Gouverneur, N. Y.

Kipp & Edwards, also of Rome, have dissolved partnership. Mr. Kipp will continue the business. QUIZ.

Greenhouse Building

OSKALOOSA, IA.—Theodore Greene is to add another greenhouse to his establishment.

GRANVILLE, O.—Charles Duerr, the Arcade florist, is to erect another large greenhouse.

WEST LEBANON, N. H.—Samuel P. French is building a 50 ft. house for bedding stock.

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THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. DeLaMare Ptg. & Pub. Co., 2 Duane St., New York

Aschmann Bros.

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Second and Bristol Sts. and Rising Sun Avenue

PHILADELPHIA, PA.

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NEPHROLEPIS Scottii. 5½-6 in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis. 6-in., 50c.; 7-in., 75c. each.
NEPHROLEPIS Whitmani. 4-in., 20c.; 5½-6-in., 40c. and 50c. each.
NEPHROLEPIS Scholzeli. 6-in., 50c. each; 4-in., 20c. each.
Our ferns are all pot-grown, fine bushy stock.
ADIANTUM Hybridum. 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus nanus. 4-in., $8.00 per 100.
PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis. 4-in., $8.00 per 100.
KENTIA Belmoreana. 4-in., fine plants, 30c. each.
COCOS Weddelliana. 3-in., strong plants, 20c. each.

Cash with order, please.

Our greenhouses are located only four miles from the center of Philadelphia (Market Street) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

CARNATIONS

750 fine, field-grown plants, strong and healthy.
Enchantress, Fair Maid, Queen, Harlowarden and Lawson, about evenly divided. The lot for $15.00 cash.
DRACAENA Indivisa, large, 5-inch, field stock, 75 plants; the lot for $2.50 cash.
JERUSALEM CHERRIES, large, 6-inch, field stock, 25 plants; the lot for $1.50 cash.
HELIOTROPE, rooted cuttings, dark colors, $1.25 per 100 cash.

STEPHEN B. HOYT
New Canaan, Conn.

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VINCAS and CARNATIONS

Strong, field clumps, VINCA VARIEGATED, $2.00 to $5.00 per 100.
Field clumps of CARNATIONS, strong and healthy, Winsor, Harlowarden, Boston Market, Enchantress, $4.00 to $5.00 per 100. Cash with order.

J. J. ARNOLD, HOMER, N. Y.

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SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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CARNATION PLANTS

Strong stock, selling out, no culls, guaranteed, cash with order.

2200 Enchantress, 1100 Perfection, either at $7.00 per 100.
500 Red Lawson at $5.00 per 100.

W. H. DONALDSON & SON, Milton-on-Hudson, New York

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Now is the time, throw out your early Chrysanthemums, and fill your houses with

"Christmas Cheer"

The Scarlet Pot-Carnation

$15.00 per 100, $125.00 per 1000

February Delivery (January all booked)

"Princess Charming"

The Enchantress-colored Carnation, with the lasting quality.

Send for colored plates and literature.

H. EICHHOLZ
WAYNESBORO, PA.

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Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

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A. T. PYFER, Manager
35-37 RANDOLPH STREET Room 302 CHICAGO, ILL.

Please mention the Exchange when writing.



British Columbia F. and N. Assoc.

At the annual meeting of the B. C. Florists and Nurserymen's Association Association, held at New Westminster, on Oct. 5, the following officers were elected: President, S. S. Gordon; vice-president, Mr. Wallace; secretary-treasurer, H. Tidy; executive committee, Messrs. Hillman, Talbot, Davis and Bromham.

Albany Florists' Club

A regular meeting of the Flower Show Committee of the Club was held Oct. 13 at their meeting rooms. Chairman Fred. Goldring and twelve members were present. The minutes of previous meeting were read and approved. Several bills for printing were handed in and turned over to Chairman F. A. Danker. Chairman Patrick Hyde of the Hall Committee brought in the plan for booths, groups of Palms and tables for cut flowers and plants. Mr. Goldring reported that the bunting and electric decorations were ordered. Robert Davidson was instructed to send out the press tickets. The next meeting is set for Oct. 20.

Springfield (O.) Florists' Club

A local campaign for lawn improvement was advocated by Harvey N. Siegenthaler, at the annual banquet and installation of officers of the Springfield Florists' Club at the Bookwalter Hotel, on Monday evening, Oct. 10. He proposed a plan for the selling of plants and shrubbery by young people from the high school and college, under the guidance of a commission of citizens interested in civic improvement.

After a tempting two course dinner, the retiring president, Roger Murphy of Urbana, acted as toastmaster, and he called upon a number of the members of the Club for remarks. The speakers included John M. Good, George H. Mellen, George D. Leedle, Leman Bradford, Opha Jackson, Christian Binning, Roy McGregor, Charles O. Youngstrand, Joe Campbell, Frank E. Good, W. Welsh, C. L. Reese, Charles Unglaub, Harvey N. Siegenthaler, Cal Glenn, C. Pearl Bethard, and the new president Charles W. Schmidt.

Yonkers (N. Y.) Hort. Society

A meeting of this Society was held in Wiggin's Hall on Friday evening, October 7. Owing to the absence of the president and vice-president, Secretary H. Scott called the meeting to order and appointed H. Nichols chairman. The committee on the recent June show made its final report and was discharged with thanks. Mr. Milliot also received a very hearty vote of thanks for the capable manner in which he performed his duties as manager of the June show. One new members was elected and several applications for membership were received. Mr. Sheppard exhibited two very fine apples of the Bismarck variety, grown on dwarf trees planted out in the Spring of 1909.

The question box was installed for the first time, and a question was asked as to the best way to tell the different varieties of Tea Roses. Mr. Waite took it upon himself to have an answer ready by our next meeting. We were very glad to see Mr. Waite with us again, looking much better after his vacation. The question of how to get clear of San Jose scale, and as to whether there was any law pertaining to the cleaning up of old orchards in vacant lots was brought up and after some discussion it was decided to write to the authorities at Albany in regard to the matter. Mr. Hendry read a very interesting essay on "'Mums as Grown in England." After the reading of the essay there was a general discussion on the same. A hearty vote of thanks was given Mr. Hendry.

The committee on the Fall show reported progress, and that it had received a large number of donations.

Our next meeting will be on Friday, November 4.

LEE WHITMAN, Cor. Sec.

New Jersey Floricultural Society

The New Jersey Floricultural Society at its regluar meeting on Friday evening, Oct. 14, decided to hold its sixteenth annual Chrysanthemum show in Lindsley's Hall, 240 Main st., Orange, N. J., on October 29, from 3 p.m. to 10 p.m. The Silver cup donated hy John R. LeCount of Maplewood, N. J., will be competed for with 24 cut Chrysanthemums, six varieties, four flowers of each, not less than 18 inch stems; competition is open to all. There will be twelve classes of Chrysanthemums as well as classes for Orchids, Roses, Carnation, foliage and flowering plants, Violets, fruits and vegetables.

THE

MODEL

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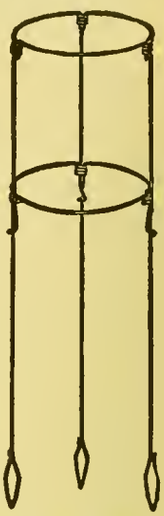

Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
93-71 Metropolitan Ave., BROOKLYN, N. Y.

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Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in this column.

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HEALTHY, THRIFTY STOCK

	Per 100	1000
Harlowarden	$6.00	
Carnegie (Scarlet)	5.00	
White Enchantress	7.00	
Rose P. Enchantress	6.50	
Light P. Enchantress	6.00	
Winona	6.50	$60.00
White Perfection	6.50	50.00
Beacon	8.00	

250 at 1000 rate. Cash with order.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

In Season

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

An invitation was received from the Morris County Gardeners & Florists' Society to participate at their annual Chrysanthemum show to be held at Convent station Nov. 2-4.

Lager & Hurrell, the Orchid growers of Summit, N. J., as usual, had a nice display of Orchids on exhibition, for which they received 90 points. Albert F. Larson, gdr. to A. B. Jenkins, Roses, 95 points; Frank Drew, gdr. to Thos. A. Edison, Roses, 95 points; William Reid, gdr. to S. M. & A. Colgate, Roses, 70 points; William Reid, Carnations, 90 points, and white seedling Carnation not yet disseminated, 85 points; Max Schneider, gdr. to Chas Hathaway, Carnations, 75 points; William Reid, Begonia Gloire de Lorraine, 90 points, and Maranta splendidum, 85 points. Certificates were awarded for the following exhibits not in competition for points: Charles Ashmead, Carnations; Albert F. Larson, Carnations and Roses; Frank Drew, Roses; Max Schneider, Chrysanthemums; Fritz Berglund, Carnations and Chrysanthemums. The judges were John L. Collins, Edward Eccles, Dederick Kindsgrab.

WILLIAM REID, Secy.

Providence (R. I.) F. and G. Club

The regular monthly meeting took place on Monday evening last. After the general routine of business a discussion took place as to how trees should be planted, many giving their views on the subject. The argument arose from the method our city forester is using. Many claim trees cannot thrive and do well unless a larger quantity of good loam is used, especially in localities where the soil is very sandy.

Mr. Collins, a friend of M. Sweeney, presented the members with a box of fine cigars and received a vote of thanks.

Interesting Talk on Trees and Shrubs:

During the evening, James Dillon, supt. Swan Point Cemetery, gave an interesting talk on trees and shrubs. Mr. Dillon said in part that a botanist or a professor might take one tree or shrub and make an evening's talk on same, but he would only give a mere sketch or outline of the subject.

Of all the vegetable kingdom, trees and shrubs must necessarily come first through their usefulness to man in all pursuits when he turns them to their different uses and purposes, whether it be in furnishing his home or ornamenting his grounds, besides the many other uses the wood is put to. The leaves and bark, the roots and fruit, also furnish us with an almost endless variety of useful products. While there is a distinction between tree and shrub, they must both be combined, either naturally or artificially, in creating a picture. Take, for instance, a group of trees, whether they be Oaks or Maples, or some other species by themselves alone, they may appear stiff and set looking to the eye, while, on the other hand, when grouped with shrubs, they give the handsome setting that a fine frame gives to a picture. A tree is generally understood to be a plant with single stem, growing from 20 to 25 ft. in height, while shrubs are of dwarf form. The first tree or plant of which we have any history was an Apple tree; Mr. Dillon imagined it must have resembled the Rhode Is. politician from its bad habits.

Among the deciduous trees we have the Oak, the emblem of strength, the wood of which, with the exception of the Teak, is the most useful and durable in the construction of ships. Most varieties of Oak contain a tanning matter which is used in curing leather. A grove of Oaks present a beautiful sight in the Autumn when the leaves begin to take on their Fall coat of color; specimens are known to have a spread of 100 ft. diameter through their branches. The Maple is one of the handsomest, best known and most useful trees, whether planted singly in the yard or as a shade tree on the sidewalk, along avenues of large estates, or as a background for other plants. There are several varieties of Maples, of which the Rock Maple is considered the best; the wood of same, in olden times, was used in making spears and lanceheads. All varieties of Maples take on much coloring in Autumn. The Beech is a handsome tree with its clean bark and glossy foliage. The weeping Elm also makes a fine tree for lawn purposes when kept free from insects. The Chestnut is one of the leading trees for shade, also from the standpoint of the schoolboy, who watches for the first frost to open the burrs so he may rob them of their fruit.

The Hornbeam, Tupelo, Linden, Horse Chestnut and Tulip tree, with its handsome leaves and instructing flowers, are all beautiful in various situations. There are but a few of our well known trees and I specify them because of that fact.

Among the evergreens we have the Pine, Spruce, Larch, Cypress, Juniper and Yew, which create a beautiful effect in Winter. In speaking of Conifers, one must not forget the Redwood of California, one of which, we are told, measured over 400 ft. in height and over 100 ft. in circumference. Our White Pine attains a height of 160 ft., and is very useful for its production of timber; the Balsam Fir and that grand Blue Spruce of Colorado (Abies pungens). Among the Junipers we have the Red Cedar, useful for cabinet work. The Yew was used in olden times for making bows for archers.

Among the evergreen shrubs we have the Rhododendron and the Kalmia; these, when in bloom, will compete favorably with any flower in cultivation. The Kalmia is a native of North America and is distributed all over the U. S., and by many considered it should be adopted as our National floral emblem.

Among the deciduous trees are found the Cornelian Cherry, one of the Dogwoods, which covers its naked branches with a beautiful coat of yellow, and in the Fall with scarlet fruit. The Shadbush (Benzoin) with its yellow flowers, the Rhodora with its lavender blooms and the Judas tree with its pink flowers, are all worthy of honorable mention.

The Pear, Peach, Apple, Plum, Cherry, Quince, Hawthorne, Azalea, and Andromeda bloom about the same time that they push forth their leaves. Those following are the Linden, Laburnum, Cladrastis, Sophora, the Dogwoods, the Weigelas, Catalpa, Elder, Spiræa, Deutzia, Sumach, Privet, Hydrangea and many others, also Roses, keeping in constant bloom until Winter sets in.

Among the fruiting trees and shrubs Mr. Dillon classes the Crab Apple, Hawthorn, Honeysuckle, Viburnum, Photinia, Black Alder, Snowberry, Holly and Barberry, which hold their fruit long into the Fall and Winter.

It is a noticeable fact that the public are taking greater interest in trees and shrubs about their residences, also the manner in which the people of Providence have been and are subscribing to the tree fund which, in a few short years, will add much to the beauty of our own city.

H. C. N.



STOP

Read our advertisement over carefully, and then send us your order for Craig Quality Stock. The first order will make you acquainted with the quality of our goods, and in the future we will have your every confidence.

Craig Quality Stock

Ficus Pandurata

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....$2.00 each
6-inch pots, 2½ feet tall..... 2.50 each
7-inch pots, 3 feet tall..... 3.00 each
8-inch pots, 4 feet tall..... 4.00 each
10-inch and 11-inch tubs, 5 to 7 feet tall .....$5, $6, 7.50 each

The large plants are unueually fine and there is nothing that will give better satiefaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50, $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

Crotons

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....$1.00 each
6-in. pots, 75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾ pans ....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots $1.50, $2.00, $2.50

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

Dracaena Massangeana

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

Dracaena Amabilis

6-in. pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

Dracaena Fragrans

Ready now.

5-in. pots .....$5.00 and $6.00 per doz.

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

Pandanus Utilis

Superb stock.

8-in. pots, strong plants, $18.00 and $24.00 doz.

Araucaria Excelsa

5-in. pots, 4 and 5 tiers.$9.00 doz., $70.00 100
6-in. pots, 5 tiers .....$12.00 doz.

Areca Lutescens

Our stock is in splendid condition.

Heavy 7-in. pots, 3 plants, 36 in. tall .....$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall .....$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 ins. tall.....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall.....$3.50 each

Pandanus Pacifica

Very handsome plants.

11-in. tubs..$2.50, $3.00, $3.50 and $4.00 each

Bougainvillea Sanderiana

An exceptionally fine lot of shapely specimens at $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

Neph. Amerpohli

Philadelphia Lace Fern

6-in. pots .....$5.00 and $9.00 doz.

Neph. Todeaoides

London Fern

This variety we consider the best of the upright growing class.

2¼-in. pots ..$5.00 per 100, $46.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

Neph. Scholzeli

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston

2¼-in. pots ..$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy, $6.00 and $9.00 per doz.
8-in. ¾ pans, heavy .....$15.00 per doz.
10-in. ¾ pans, heavy .....$24.00 per doz.

Neph. Elegantissima Improved

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strong plants, $6.00 and $9.00 per doz.

Neph. Elegantissima Compacta

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots ..$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pans .....$15.00 per doz.

Neph. Scottii

Our stock in superb condition.

2¼-in. pots..$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy ....$2.00 and $2.50 each

Asparagus Plumosus Nanus

2¼-in. pots ..$4.00 per 100, $35.00 per 1000
3-in. pots ..$7.00 per 100, $65.00 per 1000

Adiantum Hybridum

The best variety for either a pot plant or for cut fronds.

7-in. pots .....$9.00 per doz.
11-in. tubs, very handsome..$18.00 per doz.

Begonia Gloire de Lorraine

We have the largest and finest stock of this grand Christmas plant in America.

4-in. pots, very heavy, $35.00 per 100, $325.00 per 1000
5-in. pots, immediate delivery, $50.00 per 100
8-in. pots, ready now .....$26.00 per 100
6-in. pots, for specimen stock at Christmas, $7.50 and $9.00 per doz.

We also have a very large stock of **Light Begonia Lonsdale** sport at the same prices. This variety we consider far superior to the original type, it making a finer shaped plant as well as holding the flowers much better, while the color is a little lighter than that of the original Lorraine.

Owing to the great demand for our stock this year we are now booking orders for delivery June, 1911. All orders will be filled in rotation and at the same prices as above quoted for this year.

Cyclamen

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy. $50.00 per 100, $450.00 per 1000
6-in. pots, very heavy .....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots..$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants..$3.00 and $3.50 each

Gardenia Veitchii

Strong plants.

2¼-in. pots, heavy $8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy .....$50.00 per 100
7-in. pots, heavy, $9.00 per doz., $70.00 per 100

The above will make grand stock for Winter blooming.

Fall Price List Now Ready

ROBERT CRAIG CO., Forty-Ninth and Market Sts. PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Please mention the Exchange when writing.

FOUNDED IN 1888

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Chrysanthemum Society of America

Secretary Chas. W. Johnson advises that A. Herrington has consented to act as the third member of the New York committee.

The address for shipment of flowers to the Boston Committee should read as follows: Ship to Wm. Nicholson, care Manager Boston Flower Exchange, Inc., Park st., Boston, Mass.

Recent Work of the Examining Committees:

NEW YORK, Oct. 15.—Chrysolora, yellow, Jap. inc. 93 points commercial, 87 exhibition scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich. At Cincinnati, the same variety was given 94 points, commercial scale.

CINCINNATI, O., Oct. 8.—Unaka, satiny pink, Jap. inc. 90 points, commercial scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich.

PHILADELPHIA, Oct. 13.—Sport of Glory of Pacific, white, Jap. reflexed. 86 points commercial scale. Exhibited by H. Weber & Sons Co., Oakland, Md.

Morgan Park, Ill. CHAS. W. JOHNSON, Sec'y.

Forthcoming Show of the Morris Co. (N. J.) Gardeners and Florists' Society

The Morris County Gardeners and Florists' Society has everything about ready for its big show. The committee has worked hard day and night for weeks. Staging and vases for 121 classes had to be provided, and there has been a whole lot of hard work attached, but our committee has "sticking qualities," so everything is fitting in nicely.

Now we want the exhibits to fill the classes, and, incidentally, the vases. Three thousand dollars in cash, besides the cups and medals, ought to bring them. We especially desire florists from a distance to come. There is money and honor to go a long way around. The society people of Morris County, who have generously made the show possible, are deeply concerned, and we shall have them here in force.

The Morris County Golf Club is about 200 yards from Convent station (between Madison and Morristown), so show quarters are very convenient to the station for visitors from a distance, as well as for those who have consignments to send.

Everybody wants to see the exhibits of the Chrysanthemum Society of America, so tickets are selling like hotcakes, in advance. The nurserymen and seedsmen, we hope, will make trade exhibits on a large scale. It ought to pay them as it brings them directly in contact with the highest class of buyers in this country.

The dates are Nov. 2, 3 and 4. E. R.

Opportunity for a Wholesale Commission House

Our Montreal correspondent makes the statement in his news letter of this week that, in his city of 600,000 people, there is no commission house to whom retailers can go for cut flowers, greens, etc. This would seem to indicate an opening for an enterprising man well worth looking into.

Twenty-Fourth Annual Meeting of the Association of American Cemetery Superintendents

This meeting was held at Chattanooga, Tenn., on the 12th, 13th and 14th of this month (October). It was a happy and enthusiastic gathering.

The officers were John Reid, supt. of Mount Elliott and Mount Olivet Cemeteries, Detroit, president; W. C. Grassau, supt. of Greenwood Cemetery, New York, vice-president; Frank Eurich, supt. of Woodlawn Cemetery, Detroit, secretary and treasurer.

The next place of meeting will be in Philadelphia, the time being left to the discretion of the local committee. The officers for the ensuing year are W. C. Grassau, president; J. J. Stephens, ass't supt. of Woodlawn Cemetery, Columbus, Ohio, vice-president; Bellet Lawson, Jr. of Chicago, secretary and treasurer.

The Association has a total membership of 234. Fifty-five members attended this meeting and fourteen new names were added to the membership rolls.

The Hotel Patten was the headquarters for the Association and all of the meetings were held in its rooms.

Many of the members were accompanied by their wives; in fact, these annual gatherings are looked forward to with great pleasure by the families of the superintendents and they all stick together and enjoy the kindnesses and courtesies extended to the Association. They are one big, congenial happy family and, meeting as they do year after year, they are a society of friends without a shadow of restraint or formality.

There are no side attractions or subsidiary branches, nothing whatever to detract from the business of the meetings, hence these are well attended, both by the men and women, for the latter are intimately interested in their husbands' affairs and encourage and prompt them. The meetings were held in the forenoons and evenings, the afternoons being devoted to visiting the local cemeteries and places of historic interest. The Executive Committee which acted as host to the Association was composed of: The Rev. Dr. Daniel E. Bushnell, of the Chattanooga Cemetery; Dr. R. N. Kesterson, Greenwood Cemetery, Knoxville; John R. Hooper, supt. of Hollywood Cemetery, Richmond, Va. The first two gentlemen were in constant attendance, the last named was unable to be present. The way and manner in which these gentlemen attended to their duties and the wholesouled welcome and hospitality extended to the Association was a revelation in happiness and an indelible joy the Northern and Western members can never forget.

The object of the Association is the improvement of cemeteries and all details of interment. The great growth of the modern cemetery is largely due to the energy of this body. Among the important papers read and discussed at this meeting were "Some Winter Work for Cemetery Employees"; "Care of Country Cemeteries"; "Important Items in Starting a New Cemetery," illustrated by lantern slides; and "The Cemetery Beautiful," also illustrated.

But many other pertinent topics were discussed, such as, "Experience with Weed Killers," what are good and bad among them, and how and when to apply them, both as regards roads and lawns; "Underground Burial Vaults," what have been found most satisfactory—brick, slate, stone or reinforced concrete, how to handle them, what they cost, and the prices charged for interments when they are used. Another was "Public Mausoleums," that is, independent mausoleums having hundreds of crypts, and where public interments are permanent in these structures. This is a hot subject and seemed to be in little favor with the superintendents. These mausoleums are erected by firms outside of the cemetery, but with special arrangements with the cemetery companies. The independent cemeteries as a rule are bitterly opposed to the introduction within their grounds of any burial system not absolutely under their own control or owned by them. Private or family mausoleums also came in for attention, and there is much to be said as regards them—the best material to use, how to build them with the view of preserving them in good condition forever, their interior arrangement, the proper size of the crypts within them, the best position for them in the lot, and the advisability of an endowment sufficient to ensure their maintenance in future years.

"The Planting of Lots, and the Ornamentation of the Grounds," was a favorite topic of the president who, in addition to being at the head of some large cemeteries in Detroit, is also a noted horticulturist; the road making and planting in his cemeteries are among the best examples of the kind we have in the country.

Sunday funerals was also a vital topic; many cemeteries have discontinued these except in the case of contagious diseases and other burials ordered by the Board of Health; other cemeteries, again, continue the Sunday funerals as before. Both have their advocates. Indeed, some one in the baker business came all the way from Texas to give the cemetery superintendents something less than 57 reasons why we shouldn't have Sunday funerals, as if the superintendents didn't have enough to listen to from one another, and they weren't hungry, either, for the bakers of Chattanooga make excellent bread.

Retail Notes from Wiesbaden, Germany

The past week was a busy one for the florists of this town. Together with the opening of the Fall horse races, the firm of Weber & Co. opened their annual Fall show of flowers and fruits in their own exhibition halls within their grounds. Conspicuously colored posters, artistic in design, and advertisements in the daily papers invited the flower-loving public to this special exhibition and their grounds in general. The exhibition was scheduled for ten days, the admission being free. The show was staged in two permanent halls. The lofty floral hall, 36x36 ft. x 20 ft. high received its favorable subdued light from a row of sash in the roof and a window above the door. These windows were screened with cheese cloth. The plain brick walls were carefully whitewashed; and, washed gravel covered the floor.

Entering the refreshingly cool hall, our eyes met a circular bed of Whitmani Ferns, surrounded by Salvia splendens in full flower; in the center of the bed was a terra-cotta vase, filled, in reverse order, with Salvia splendens in the center and encircled by Maidenhair Ferns. The walls were half-way up, covered with small Spruce twigs, ending on top in a cornice all the way round, upon which, closely set, moss covered pots of Salvias formed a cheerful border of brilliant scarlet against the white background.

Two temples, of light wooden construction, painted old gold and overrun by the scarlet Autumn foliage of Virginia Creeper, were to the right and left. Each one of these contained a large made-up piece of floral work—an ocean liner and a huge vase bouquet. The extreme corners were taken up by two pieces of old ivory-colored statuary.

On five irregularly sized and shaped benches, uniformly covered with moss-green burlap on the sides and neatly, but tightly tacked-on unbleached muslin sheeting on top, the cut flowers were staged. Five to six of each variety were displayed in water in cone-shaped, colorless, rather thick glass vases, seven inches high and especially designed for the purpose. Each vase was labeled. Nearly a hundred vases on the center bench contained Dahlias. Cactus Dahlia Sonnenstrahl, canary yellow with white points, and Marianne, buff with rather broad petals, looked very charming among this fine collection. On another bench, containing fifty vases of cut Roses, perfect specimens of Rosa viridifolia attracted the curiosity of many; Rose Frau Karl Druschki, beautifully shaped and 5 in. in diameter, Mons. Jos. Hill, a Tea Rose, and Lyon Rose, the new hardy Rose of salmon pink, were generally admired.

In about as many more vases on the other benches various cut flowers were displayed. Among them were many species and varieties of our native New England Asters, Black-eyed Susan, Pyrethrum, Chrysanthemum fruticosa, Goldenrods, our wild Sunflowers (all these are foreigners here and are much appreciated by Americans away from home), Centaurea Marguerite, Marguerite Queen Alexandra, Verbena Ellen Willmott, with large flowers of a pleasing crimson pink and large scalloped petals, Heliotrope Anna Turrel, with flowers 5 in. across, brilliant purple and very fragrant, Mignonette Machet, Verbena Scharlachkonigen were all very much admired.

The backgrounds and spaces here and there were filled with choice flowering and foliage plants, and from the ceiling three large hanging baskets, filled with green Tradescantia and scarlet Salvias, gave a finish overhead to the show.

The fruit hall was smaller in size and lighted only from a large two winged glass door. Here choice Apples and Pears, grown on trellises were displayed in plain, uncolored flat and handle baskets. These were filled with excelsior and on top of it from 25 to 50 fruits were laid. Was it a handle-basket? then the handle was in condition, trimmed with bright red Virginia Creeper vines.

The benches were, similar to those used for the cut flowers, covered with green burlap on the sides and white sheeting on top, but in this case the latter was not smooth like a table-cloth; by underlying rocks or pots the surface was made to look hilly, being highest in the rear. The baskets being placed on the respective elevations produced a pretty effect.

Along the side walls, decorations made of boughs of Hazel and Chestnut with fruit, also Japanese dwarf Apples, Hawthorn, etc., were displayed, while a beautifully composed fruit piece, including also bunches of Grapes, in shape of a picture, and supported on an easel, formed an appropriate centerpiece for the rear wall.

Space, perhaps, will forbid the giving of a more detailed description of this meritorious show, that extended in various forms throughout the different departments all over the establishment, and that gave proof of long experience and exquisite taste.

Last Monday this firm had also the decorating to do for the official Autumn Race Dinner, given by the city at the "Kurhaus," the mayor of the city presiding.

Last Wednesday was "Margueriten Tag" (Charity Flower Day) in this city. In order to make a public collection for the benefit of the various charitable institutions of this city, somebody suggested the sale of Marguerites (the common Field Daisy), on the streets on a certain day. The plan met with favor. A day was set, arrange-

ments made, and on Sept. 21 seven hundred and fifty selected young ladies, many of them being excused from school for the day and purpose, under direction of seventy-one directors (also ladies), sold Daisies from 7 a.m. until 7 p.m. They were everywhere, in pairs, and considering the good cause everybody patronized them, wearing the Daisy in buttonhole or hat; even horses and dogs were adorned by their masters with this flower of charity that day. The uniform price was set at ten pfennig (2½c.) apiece, without debarring any coin larger in value. Two hundred and seventy thousand Daisies were sold on this single day in the streets of Wiesbaden (this city has 110,000 inhabitants) and the proceeds required nearly two days' time for the counting, amounting to 35,178 marks 49 pfg., which is equal to about $9,000. This success, in amount unlooked for, has prompted other cities to do likewise.

Ernst Wahl, whose two large windows on Wilhelmstrasse always form one of the attractions of this famous thoroughfare, and not solely to flower lovers at that, had recently a characteristic display. In the left-hand window he had immense specimens of Chrysanthemums, several species of Orchids and Tea Roses, all in tall glass vases, while Lily of the Valley and Violets were arranged in china dishes. The effect was supported by moss-green velvet covering the floor of the window.

The floor of the right-hand window was covered with velvet, deep purple in color, and upon this lilac Heath and purple Cyclamens in pots with rustic covering and in birchbark boxes were displayed, while Asters in vases concluded this "study in purple."

Both windows, very large, open in the rear allowing the display to extend way back into the store, presenting the opportunity for an appropriate background, an advantage Mr. Wahl uses with much skill. He is an artist in his line. He had the order for an exquisite floral offering sent by the loyal ladies of this city to the reigning family of Baden, who celebrated their silver wedding last week. The Grand Duchess, a princess of Nassau was born here in 1864, as the last child of the last Duke of Nassau, his Duchy being annexed in 1866 by Prussia.

Carl Jung's four large windows, located on a prominent corner of Gr. and Kl. Burgstrasse, the main thoroughfare from the royal palace to the royal opera house, are very tasty and attractively arranged with plants and cut flowers. In each window a distinct color or shade is leading. There is a white, a bronze or golden, a pink, and a purple window. In the bronze window a large wreath of Autumn foliage and fruit (berries), bronze-colored Cactus Dahlias of enormous size, attract much attention. Mr. Jung is a "newcomer"; he moved here last May from Munich, Bavaria, where he also had a store. He grows most of the stock he handles himself, his place and greenhouses being located near the Rhine, in the romantic Rheingau, not far from here.

Friedrich Stupp, with his two spacious windows, just opposite the "Kochbrunnen," one of the principal hot springs of Wiesbaden, and in the immediate neighborhood of several fashionable hotels, makes a fine display of Chrysanthemums, Druschki and Testont Roses and remarkably fine Carnations, in tall (3 ft. high) cylindrical glass vases; Violets and Lily of the Valley, etc., in bunches in one, and native American Asters, Goldenrods, Heath, etc., in the other window. He caters to a transient cut flower trade and does a fine business in this line.

Emil Becker's three windows are ever a cheerful sight, especially the two facing north, toward the "Kranz Platz"; they are the delight of all real friends of plants and flowers. They are ever interesting, no matter what the season. He displays choice cut flowers in the east window and flowering and decorative plants in the others. His large store is very favorably located on the other entry to the "Kochbrunnen." He is an old established florist and grows most of his stock himself.

A. Mollath, on Michelsberg, conducting the leading seedstore of the town, has a fine display of bulbs for Fall planting in one of his windows. He supplies the city parks with the Grass seed and a large portion of the flower bulbs. By the way, one of his sons, John, returned home from America last June, having been in the employ of the St. Louis Seed Co. for two years, and the following four years with Vaughan's Seed Store in Chicago; he is quite posted on American seed matters.

There are several other fine floral establishments in this city, but these I will have to leave out this time, otherwise our letter might become too voluminous.

HUGO MULERTT.

Protecting Bay Trees in Winter

Will you kindly tell me how to build a house for protecting Bay trees in Winter time? We sometimes have it 10° below zero.—J. Y., Pa.

—For the storage of Bay Trees very little light is required and the temperature needs to be kept only above freezing, therefore they are frequently stored in a light cellar provided with ventilation.

Where it is necessary to build a house the framework should be covered with sheathing and paper and an outside covering of claphoards or shingles. If there is a line of glazed roof sash placed at the ridge of the house it would give sufficient ventilation and light. Where the house is built of glass it will be necessary to provide covering of some kind to obstruct the light. Of course, a structure of this kind will require more pipes to keep above freezing than a cellar, therefore, from this standpoint, it is not as economical.

The house should be built of sufficient height to suit the height of the trees. The pipe coils can be suspended on the wood or iron posts which support the eaves. The structure can be built of any of the standard types, this depending upon the amount of money you desire to expend.

JOHN A. PAYNE.

THE ADVTS. IN THE FLORISTS' EXCHANGE are ALWAYS read.

The circular generally goes into the waste basket WITHOUT BEING READ.

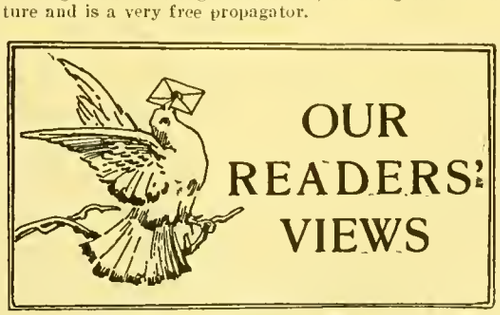


Chrysanthemum Unaka

Chrysanthemum Unaka

The following description is given by the originators, Elmer D. Smith && Co. of Adrian, Mich.:

The long sought for early October pink. Buds selected Aug. 1 to 15 give fully developed blooms Oct. 1 to 15, and are superior to earlier or later buds when color and fullness are considered. A broad petaled Japanese incurved of great depth and size for so early a variety. In color is intermediate between Roserie and Wm. Duckham. Exceptionally strong stem and dark green foliage. Height 4 ft. from early May planting. Being an October Frost seedling it has a strong constitution, ensuring ease of culture and is a very free propagator.



A Summer Flowering Magnolia

Editor The Florists' Exchange:

In The Florists' Exchange of Sept. 10, we noticed an article in the Nursery Department entitled "A Summer Flowering Magnolia," and we would like to say a few words about this Magnolia.

According to the description given by your writer we find that this Magnolia is the same as M. Soulangeana nigra, which has the same character and habit as the one described by your correspondent. It varies from all other Magnolias as it flowers all Summer; the color is of a dark purple. We do not know of a Magnolia Lennei which flowers in Summer as your writer thought. M. Soulangeana nigra is not new; we have known it in the trade for more than twelve years. We send you a copy of our catalog which may be of interest to Mr. Meehan as, besides this Magnolia, he will find a good collection of other kinds described.

Boskoop, Holland. H. DEN OUDEN & SON.

Bulb Importations from Japan

Editor The Florists' Exchange:

We note in your issue of Oct. 15, page 676, you give detailed list of shipments of Japanese Lily bulbs to America from Yokohama for 1910, up to and including steamer "Sado Maru," sailing from Yokohama, Sept. 13, and, in the summary of the total shipments, state that L. Boehmer & Co. shipped a total of 2530 cases.

Believing it to be your desire to publish only correct figures on the subject, we wish to say that you have certainly made an error in stating L. Boehmer & Co.'s shipments as amounting to a total of only 2530 cases. Following we give you list of the actual shipments of L. Boehmer & Co. (represented by Henry & Lee) to America, up to Sept. 13, from Yokohama:

Steamer	*Sailing	Destination	No. cases
Oceano	June 24	New York	200
Oceano	June 24	Chicago	63
Asia	June 28	Denver	11
Suveric	July 3	New York	488
Suveric	July 3	Chicago	205
Suveric	July 3	Toronto	29
Emp. China	July 4	New York	260
Awa Maru	July 6	Portland	30
Panama Maru	July 11	New York	405
Panama Maru	July 11	Chicago	200
Emp. India	July 25	New York	306
Monteagle	Aug. 26	New York	450
Emp. China	Sept. 5	New York	641
Emp. China	Sept. 5	Chicago	95
Emp. China	Sept. 5	Toronto	103
Sado Maru	Sept. 13	Portland	35
Sado Maru	Sept. 13	Denver	19
	Total		3540

*All Sailings were from Yokohama.

If, therefore, you wish to have your statistics correct, L. Boemer & Co. should be placed as the second largest shippers up to Sept. 13, with Seitaro Arai as third. In view of these facts, we trust in your next publication you will correct the erroneous statement made in your issue of Oct. 15.

New York, Oct. 15, 1910. HENRY & LEE.

Obituary

Joseph M. Ahearn

Joseph M. Ahearn, gardener for Henry Clews, at "The Rocks," Newport, R. I., died suddenly, from an attack of indigestion, on the morning of Oct. 18, aged 31 years. He had been in his usual good health and spirits up to within an hour of his death. A wife and three children survive him.

Peter Lambert

Peter Lambert, 76 years old, died on Oct. 13, after a long illness, at his home, 3704 Ingersoll ave., Des Moines, Ia. He was recently a prominent local florist and until the time he took sick, six months ago, was custodian of Greenwood Park. Prior to the time he became park custodian he operated a greenhouse at Twentieth st. and Woodland ave., in Des Moines.

Miss Mary Garrison Young

The funeral of Miss Mary Garrison Young, a member of the firm owning the Spy Hill Conservatories at Fishkill-on-Hudson, N. Y., took place on Friday, Oct. 14. Some years ago, the father of Miss Young, Doctor Young, a man of fine parts, erected on his home grounds a series of greenhouses for commercial growing, and shortly after the structures were built the Doctor died, leaving his venture in an untried and unfinished condition, with a considerable amount of money tied up. The neighbors wondered at and sympathized with what seemed unfortunate conditions for the Doctor's daughters, but the deceased, well nurtured and genteelly bred, with her sister, joined hands and brought a business situation out of difficulties, into what is today a fine example of women's ability, industry and intelligence in the florist's craft. Miss Mary, as she was commonly known, was a woman well read, quiet, unassuming, and was the bookkeeper of the firm. For some time she had been a sufferer from an acute disease, which ended her life in the week just past. Miss Young leaves two sisters, Annie and Sadie L. and a brother, Dr. John Young of New York City.

In the community where this excellent family was raised much sympathy is felt, but the end comes to all alike.

The deceased was a pattern of the woman proud and intelligent enough to take hold of the real work of life as it came to her and to do it faithfully and well. Here is an example of encouragement to others who may be left at some time in trying circumstances, where faith, hope and courage overcame many difficulties. B. H.



Cactus Dahlia Mrs. Ferdinand Jeffries

A very large dark red variety, 6 to 8 in. in diameter, to be introduced by the originator, W. W. Wilmore, Denver, Colo., in 1911, and which that gentleman believes to be one of the best of its color.

A Dahlia Symposium

(*Concluded from page 696*)

Commercial Dahlias

By W. Wilmore, Denver, Col.

The season just closed has been a trying one for Dahlias in this locality, very hot and dry. Even with an irrigation system it proved most difficult to supply sufficient moisture to keep the plants to their usual standard. And yet the season has had a redeeming feature; it has offered unusual opportunities for selecting the better from the inferior sorts; varieties that have done well in this trying season may be depended upon in a more favorable one.

For several years past I have noticed a decided trend in Spring trade toward the better grades, regardless of price, and it was within reason. I do not wish to say that the demand was for novelties only, but the better grades of both old and new; and it all goes to show that the public is doing some judging for itself. Another fact that has become painfully evident is that the call for Singles and Pompons is on the decline. This is especially true of Pompons.

This article is written with special reference to the commercial trade, including the cut flower portion, which is now an important item in all large cities during the early Fall months, and is profitable to both grower and dealer. Growers located near a large city, and supplied with suitable varieties, can dispose of an almost unlimited quantity of blooms. A common error is to plant a few of a large number of varieties. This should be reversed; a large number of a few varieties is preferable. Twelve to fifteen varieties are ample for the cut trade, and I am not sure but that I would be nearer to the point if I said eight to ten varieties. The popular colors for the cutting trade are red, white, scarlet, light and darker pink, yellow, lavender, and several bronze shades. The latter are always in demand as Autumn advances.

The exhibition hall and the cut flower store are two distinct fields. The exhibition hall and the home garden have much in common. Scores of varieties that are favorites in the garden and on the exhibition table are of little or no value in the flower store; some by reason of poor keeping qualities, some lacking proper color, some barred by short or weakly stems, and others shy bloomers. To select a limited list from the many good ones available is by no means an easy task, and yet the grower must face the issue. The lists must be revised downward. It is, therefore, of the utmost importance that we should become familiar with the varieties, especially those suitable to a given locality; it is a well-known fact that some varieties vary greatly in habit in different localities, and this makes a selection the more difficult. I am of the opinion, however, that such variation is the exception rather than the rule.

The appended list I have found to be reliable here and the varieties have given the best of satisfaction. They are equally good for commercial or exhibition purposes. I mention none in the list that are late coming into bloom. There are, doubtless, many others equally good that I have not tried; I have neither time nor space to test all of the hundreds of new varieties constantly being placed on sale. In the following list my choice for cutting purposes are the two first mentioned in each color, although practically all I mention are good for cutting, and a lot more might be added. In white, I wish I could name a first-class white Cactus, but up to the present I have seen none that fully satisfies me, especially for cutting.

The Best Reds

BON TON (Show).—Early and free; long stem; dark red.

CHARLES CLAYTON (Cactus).—Vivid red; long stem; midseason.

SOUV. DE GUSTAVE DOUZON (Decorative).—Very large, early and free.

J. H. JACKSON (Decorative).—Bright red, long stem; midseason.

FLORADORA (Cactus).—Dark red, early and very free.

The Best Scarlets

EUGENE TEELE (Show).—Bright scarlet, long stem; midseason.

STANDARD BEARER (Cactus).—Bright scarlet, early and free.

MARS (Cactus).—Light scarlet, very free; midseason.

The Best Yellows

THE BARON (Show).—Bright lemon; good in all respects.

BERTHA MAWLEY (Cactus).—Light yellow, good stem; midseason.

YELLOW DUKE (Show).—Very large, stem long; early.

QUEEN OF YELLOWS (Show).—Lemon yellow, early and free.

PROF. ZACHARIAS (Cactus).—Lemon, early and free.

MRS. DEWITT (Decorative).—Light yellow; midseason.

The Best Pinks

DELICE (Decorative).—Rose pink, long stem; midseason.

MME. VAN DEN DAEL (Decorative).—Blush, long stem; early and free.

LA FRANCE (Decorative).—Rich pink, very long stem; midseason.

JEANNE CHARMET (Decorative).—Shaded pink, long stem; early and free.

KRIEMHILDE (Cactus).—Pink and white; midseason.

PINK PEARL (Cactus).—Shell pink, early and free.

A. D. LIVONI (Show).—Dark pink, early and free.

The Best Whites

SNOW (Show).—Early and very free.

GLOIRE DE LYON (Show).—Very large; midseason.

MRS. WINTERS (Decorative).—Very large and free; midseason.

STAR OF THE EAST (Pompon).—Stems long, very free; midseason.

CORONA (Pompon).—Stem medium; good for design work.

The Best Variegated

MRS. H. J. JONES (Cactus).—Scarlet and white, early and free.

ALTUS (Fancy).—Purple and white, early and free.

GEN. BULLER (Cactus).—Crimson and white, free; midseason.

GOLD MEDAL (Fancy).—Yellow streaked red; midseason.

A. L. CHASE (Fancy).—Blush streaked red; early and free.

The Best Dark Shades

PURPLE GEM (Show).—Rich purple, early and free.

REV. WILLIAMSON (Cactus).—Dark maroon, long stem; midseason.

CORNUCOPIA (Cactus).—Dark purple, early and free.

Best Bronze Shades

MRS. W. K. JEWETT (Cactus).—Orange bronze, long stem, very free.

COUNTRY GIRL (Cactus).—Bronze yellow, long stem, early and free.

KAISER WILHELM (Show).—Very large yellow and bronze red; midseason.

MRS. HARTONG (Decorative).—Buff pink; good habit.

The Best Lavenders

LADY MILDMAY (Show).—White shaded lavender; midseason.

GRAND DUKE ALEXIS (Show).—White shaded lavender; large.

The foregoing forty varieties are strictly first-class here, and so far as I know have given satisfaction wherever grown. Among the newer varieties tested the present season, I am very favorably impressed with Aurora (Cactus), and will give it an extensive trial, next season. One other variety I would mention is Jack Rose, which I planted in quantity the present season; perhaps the extensive advertising led us to expect too much, but all in all it was rather a disappointment. The color is fairly good but, the stems are too short and the flowers burn more or less in hot sun. It is almost identical with Prince of India, introduced some twelve years ago.

Florists' Dahlias in Northern Ohio

By E. H. Cushman

For twenty years I have been growing these old-time favorites, trying, in a moderate way, many of the new varieties as they have been offered. If I were to confine my choice to one variety of each color as a profitable one to grow for cut flowers, the list would stand about as follows: Sylvia, white edged pink; Augusta, pure white; Red Hussar, rich blood-red; and for yellow, either Mary D. Hallock or Queen of Yellows. For an off color, Countess of Lonsdale has been very satisfactory.



New Decorative Dahlia Nettie Lee Mayo
Raised by Henry V. Mayo, Bristol, R. I.

If I were to be restricted to one variety it would be Sylvia; its color is very desirable for floral work of all kinds; it is early, and the flowers are of fair size and borne on long, stiff yet graceful stems, and it is a profuse bloomer. Varieties possessing equal merits in each of the other colors are greatly desired. Augusta Victoria has all the merits of Sylvia except that it does not stand handling so well, and lacks substance, yet in cool weather it stands fairly well. Storm King and Snow are next on the list, with, perhaps, Gov. Guild as a coming favorite. Red Hussar is not quite as early to bloom, but for an all round red it about fills the bill. Standard Bearer, Lyndhurst, and Jack Rose stand in the order named. For a number of years, Clifford W. Bruton was a very valuable yellow, but it has failed for several seasons notwithstanding the fact that I have procured fresh stock from other sources. I have a variety under the name of Mrs. Maul which has been quite a satisfactory yellow for the last two seasons; it is large to very large, rich yellow in the center, changing to a deeper shade on the older petals as the flower reaches full size. It is of the Show type and the flowers are borne on long, stiff stems; it commands attention from all who see it.

I am aware that the above list is very limited, but on our sandy loam it covers my selection for profit out of about one hundred and fifty varieties tested. The Cactus varieties are so late in blooming for me that I am about discouraged with them. Yet they are so beautiful that I keep trying a few, hoping I may be able to get varieties of the type that will bloom as early as Countess of Lonsdale.

Three years' experience with the "Art" or "Peony"-flowered sections leads me to think that in these we have a valuable addition to the Dahlia family. They bloom fairly early, are good growers, and the flowers are, as a rule, well supported on long stems. They bloom abundantly, and the flowers have good substance, and this, with their form, which is flat, makes them the best of the Dahlia family to pack and ship. The varieties that have proved most satisfactory with me thus far are: Queen Wilhelmina, pure white; Queen Emma, pink; Glory of Baarn, pink. The two pinks are of different shades; Queen Emma has more petals than Glory of Baarn, and is rather a stronger grower; King Leopold is a beautiful light yellow, of great substance; Germania is a velvety wine color, of the largest size, rather drooping in form of growth; Solfatare, carmine red, and Paul Kruger, red shaded white, are also very good. King Edward is a very distinct variety, a strong grower, producing immense flowers, on long stiff stems, of the largest size, often ten inches in diameter; the color is burnt rose, and under this is an amber tint that lights up the entire flower, a coloring which is greatly enhanced by artificial light. The last I will mention is "Geisha," characterized by the most riotous bunch of color ever seen in a Dahlia, a bright orange red ground on the face of the petals, the backs of which are a bright yellow; the tips of the petals are yellow and twisted, so as to show both colors in most wonderful contrast; it has all the strong points of a good cutting variety. I have tried quite a number of varieties of the Peony-flowered type, but consider these the most valuable.

The Century types and Singles do not meet with much favor. I only know of two Pompons that have special merit as cut flowers, Red Piper, bright red, and Guiding Star, pure white.



Young Plant of Dahlia Jack Rose

I do not wish to have it thought that the above are all the varieties I consider worth growing; they have been the most valuable here.

Dahlias in a Dry Season

By J. K. Alexander, East Bridgewater, Mass.

I am very much interested in the culture of the Dahlia. Seventeen years ago I began to grow them as an amateur, beginning with sixty varieties. Two years later I took up the Dahlia business as a professional. Last Spring I planted over 150,000 Dahlia bulbs. We have had a number of very dry seasons, but the present excels them all. The soil does not seem to have any moisture whatever, but, nevertheless, our fields have been massed with extra fine blooms the entire season. This, I claim, from the experience I have had, is due to thoroughly cultivating the soil; with such treatment the plants got so large that we could not get through with our horse hoe without breaking off side branches and injuring our plants.

It is very easy to recommend a list of good flowering varieties from our fields, as they have been a solid mass of flowers the entire season. In recommending some fine bloomers, the following may be mentioned as extra fine cut flower varieties:

EDWARD DRUREY.—Delicate shade of yellow, tipped and blotched white.
REV. ARTHUR BRIDGE.—The color is a bright yellow, heavily suffused with deep pink.
COUNTESS OF MALMESBURY.—Delicate flesh color pink, center almost pure white.
LADY FAIR.—Primrose, tinged with soft pink.
WHITE SWAN.—Pure white, fine form.
ALIGHT.—Deep, rich orange, very large.
COCKATOO.—Clear canary yellow, tipped pure white.
EFFECTIVE.—Soft amber shade.
MRS. MACMACMULLAN.—Deep pink with a light center.
THE KING.—Rich, velvety crimson.
THOMAS WILSON.—Soft reddish fawn, suffused with amber.
MRS. GEO. CASELTON.—Very dark maroon.
FLORADORA.—Very deep wine crimson.
CLARA T. STEDWICK.—Clear, bright salmon.
HETTY DEAN.—Lively shade of amber.
J. H. JACKSON.—Very dark maroon.
KILLARNEY.—Golden bronze.
MINOS.—Very dark maroon.
MME. VICTOR VASSIER.—Grand sulphur yellow.
PAPA CHARMET.—Brilliant coral red.
PRINCE OF ORANGE.—Orange and amber shades.
REGGIE.—Cherry red, veined orange.
JEANNE CHARMET.—Pinkish lilac, while the center has a light cast.

These varieties can be used for table decoration or any other purpose, with good effect. They are some of the grandest varieties to grow ever introduced, and are sure to give perfect satisfaction.

Dahlias in the South

By DeWitt House, Florence, S. C.

Nearly all the Dahlias in our section are soon again to bloom. When the weather becomes warm here in our sunny South it will force the blooms out on most sorts. However, I can give you the benefit of my knowledge as to which sorts do best in this hot climate. Dahlias show up finely in the Spring, in fact bloom from the middle of May until frost, which may come any time between November 1 and December 1. They are off crop during the hottest months, still we can get some blooms all Summer. Now they are fine again, and will continue so until frozen. The foliage burns in July and August, but as soon as the cooler months arrive they put out new foliage and are fine. I put up some excellent bouquets today (Oct. 3), and nearly all of them were of Dahlias.

It is hard to make any statement as to earliness of bloom of different varieties, as they all seem to flower so early in the Spring we do not pay much attention to such a particular. While, no doubt, there is a difference, I have not noticed any sufficiently to describe it.

The following are, perhaps, the most popular varieties with us:

Decorative

YELLOW COLOSSE.—Flower about 2½ in., of perfect form but not strong stems.
ELOISE.—Blush pink shaded to white center; some come darker than others.
JEANNE CHARMET.—Pink, lilac at edge; always comes perfect; stands the sun well.
MRS. WINTERS.—A perfect flower of the purest white; stands the sun well.
MRS. ROOSEVELT.—Delicate rosy lilac; of perfect form and large size—a dandy.
CLIFFORD W. BRUTON.—The finest of all December yellows; long stems, fine for cutting.
GRAND DUKE ALEXIS.—A fine white with quilled petals, stiff stems, but does not hold the heads up well; a fine blooming variety, always in flower.
MISS MAY LOOMIS.—Waxy white shaded lavender, a beautiful bloom; a grower will never regret setting this Dahlia, it is of a shade that pleases in everything.
SOUVENIR DE GUSTAVE DOUZON.—A Geranium red, or rather a brick color, one of the earliest to bloom, the largest in the Dahlia list, and always of perfect form. I have cut blooms already for five and a half months, and will continue at least half a month yet. I consider it the finest red of all.
OBAN.—Lavender, long stems, large petals and perfect form; a good one.
BLUE OBAN.—The same type of bloom as Oban, except in color which is blue.
WM. PIERCE.—A buttery yellow, not a shade to brag of, and the stems are weak.

Cactus

COUNTESS OF LONSDALE.—Rich salmon, always in bloom and stands the sun well.
RELIABLE.—Carmine shaded amber and rose; a good one.
ALIGHT.—Geranium red, always in bloom, an open bloom and weak stems.

Show

FRANK SMITH.—This is a show and still a fancy type; large bloom of a dark maroon, sometimes a part of the bloom will be nearly white; a good one.
A. D. LIVONI.—Rich pink, always very double, a perfect form; while the blooms are not so large, the stems are long, and heads stand erect. What would I do without my Livoni for cut flowers; it is always covered with blooms, all Summer, and the first to bloom in the Spring.
WHITE SWAN.—A pure white bloom; the plant is of dwarf habit with us, making a good bedder.
ETHEL.—White tipped yellow; in the mild weather it is perfect, but does not suit our hottest months.

Singles

POLLY ECCLES.—Lilac with lighter shadings, and sometimes red streaks; a single fancy variety, with long stems, blooms perfect all Summer; a beauty to cut for sick rooms, etc., or for bouquets.
ALBA SUPERBA.—Large white, with sometimes a flush of pink.
20TH CENTUAY.—Crimson, white edge; a beauty for cutting.
MAROON CENTUAY.—Rich velvety maroon.
PINK CENTURY.—Very large light pink.

Pompons

ALEWINE.—Silvery white with delicate flush of lilac, very double; a beauty.
SUNSHINE.—Crimson, and so double the petals turn back to the stem.
SNOW CLAD.—Pure white, always in bloom, and of perfect form; one of my pets; short stems, but what would I do for funeral work were it not for my row of Snow Clad.
SNOW DRIFT.—A good companion to Snow Clad, pure white, about an inch in diameter.

Dahlias in California

By J. J. Broomall

The Dahlia as a garden flower is rapidly growing in favor with the flower-lovers of California; all classes of Dahlias have their admirers, but the large Cactus and Decorative varieties are the most popular; indeed, I think I am safe in saying that size is the principal requirement. If a flower is large it takes well with the majority of people, regardless of what the shape may be; for this reason such Dahlias as Souv. de Gustave Douzon, Mme. Van den Dael, Mrs. Winters, Jeanne Charmet, Mrs. Turner and others of that class are greatly admired. Among the older varieties of Cactus Dahlias, that are much planted here and giving general satisfaction are Countess of Lonsdale, J. H. Jackson, Amos Perry, Mrs. Stevens, Mrs. Alcroft Nelson, Thos. Parkin, Master Carl, Floradora, Florence, Florence Stredwick, Daisy, Charm, Daisy Easton and many others.

There is practically nothing doing here with Dahlias in the cut flower trade; the majority of florists do not care to handle them as cut flowers, claiming they will not keep; they also find fault with the stems, and to a certain extent these complaints are justified. While there are some Dahlias that are good keepers, and some with good stems, there are many of the Cactus varieties that do not possess these qualities; and I believe the blame should rest on the growers, or rather on the introducers of new varieties.

The majority of the finest Cactus varieties are of English origin, and if I may be allowed to criticise our British cousins, I will say that it seems to me that in their zeal for producing flowers elegant in shape with needle-like florets they have succeeded in growing some very fine flowers with very poor stems and keeping qualities, as well as other undesirable habits. Take, for instance, C. E. Wilkins, and Dr. G. G. Gray, two sorts that have figured in a number of prize winning exhibits in England. I have grown them now for two years and I must say that they are a disappointment to me; they produce some very fine blooms indeed, but the habit of the plants in producing flowers on curved stems so that they invariably face toward the ground mars their beauty as a garden flower; and a flower that must be wired in order to be exhibited will certainly never be in demand as a cut flower. Now, I believe this state of affairs can be and will be remedied. In the first place, why should we depend on English, German, and French growers for improved varieties of Dahlias, or any other flower? I know that as good flowers can be originated here as in any other country in the world, and why American florists have been content to let foreign growers have almost a monopoly of the flower breeding business in the past is a conundrum to me. If many of the finest Cactus Dahlias have poor stems and other bad habits, let us raise some that have good atems and desirable habits; it can be done just as surely as two and two make four. In fact, new Dahlias have already been produced on the Pacific Coast that will compare favorably with the foreign introductions; and within a year or two we may expect to see on the market Dahlias that will be suitable for cut flowers as well as garden decoration.



A Partial View of Field of Dahlias at Establishment of W. D. Hathaway, New Bedford, Mass.

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Another form of roof support for a 36 ft. wide semi-iron framehouse which is sometimes used is that shown in Fig. 101, and is what is known as combination truss and column support. However, truss supports for semi-iron framehouses are not favored where they can be avoided. A properly designed truss support is very frequently desirable in connection with an iron frame house, but where it depends upon a wooden bar to withstand the strain of the truss, as is the case in a semi-iron frame house, it is not advisable, although there are sometimes circumstances which make it necessary to use this form of construction.

In a house of the dimensions shown in the illustration, which house is 36 ft. wide, the columns, PP, should not be made of less than 1½-in. pipe; that is under the assumption that the sides of the house are made about 6 ft. high. This would call for almost a 13 ft. column, and, while under ordinary conditions of a column supported roof a 1¼ in. column would be sufficient, the additional strain and weight to be carried under the condition of a combination truss and column support would call for not less than a 1½-in. post, the tie rod, T, being made of 1-in. pipe and secured with pins to the clamp fitting, L, as before described.

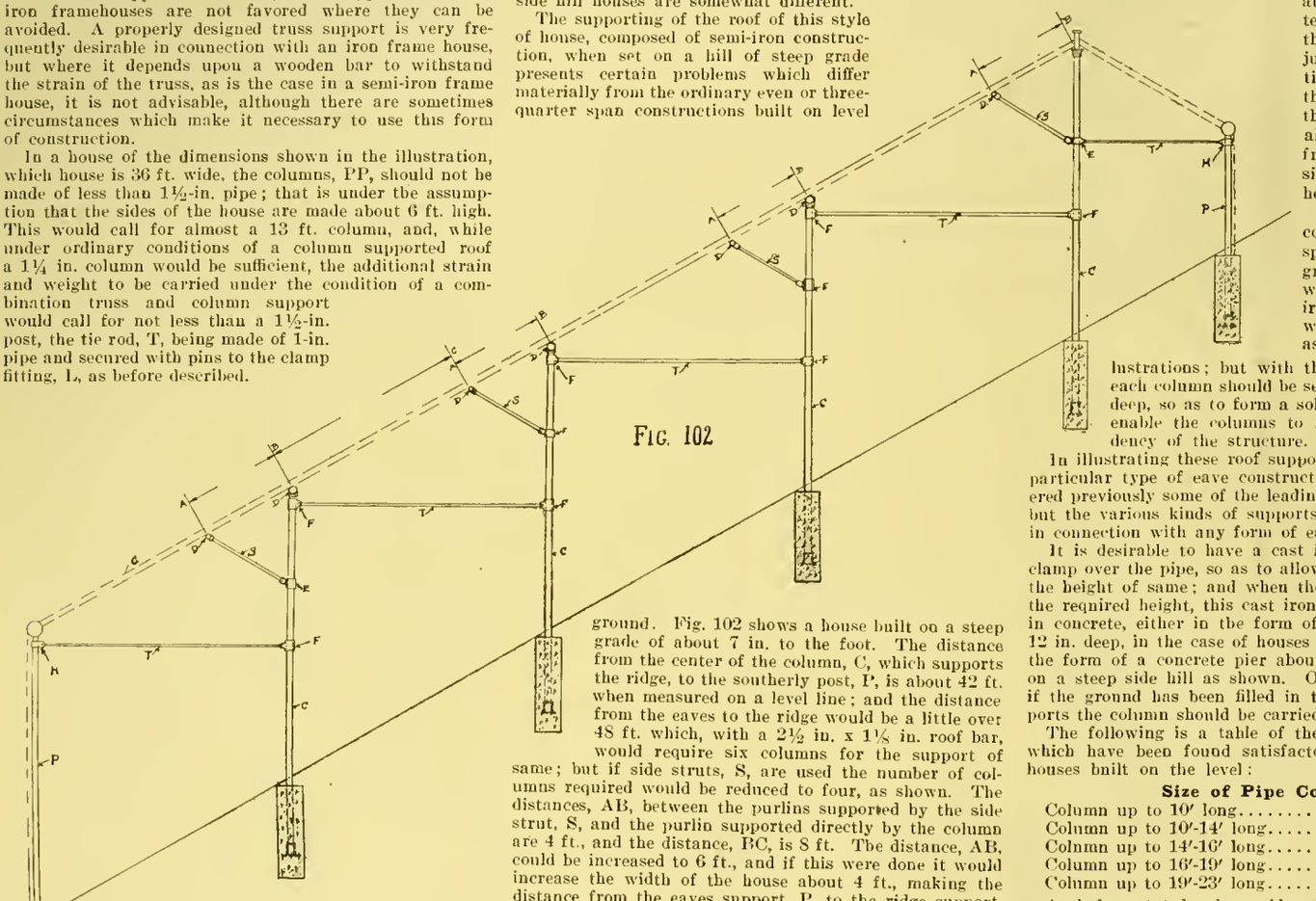


FIG. 102

The bridge, B, from the center of the pin, C, to the purlin, D, should be about 3 ft., a clamp fitting, G, being used to secure the bridge, B, to the purlin. The truss rods, E, should be made of not less than 7-16 in. soft round steel, and the truss tie rod, F, should be made of ⅝ in. steel. In each of the truss rods, E, and tie rods, F, there should be placed a turnbuckle or other means of giving the required tension and adjustment. The tie rod, F, passes directly through the crosses, N, in the columns, P; these crosses should be of heavy pattern and threaded to receive the columns.

There are several methods of securing the bridge, truss rods and tie. Some use turns or hooks on the end of the truss rods and tie, which pass through a plate secured to the bridge and are kept in place by a nut on the end of a turn or hook; but in such cases, unless the rods are double, the pull is not directly in the center of the bridge, the position desirable; in the present instance a single tie and truss rods are used. To secure the flat surfaces on the round truss rods and ties it is necessary to heat the ends and hammer them up so as to form a thick end, which is then worked out flat to the desired shape and thickness.

Fig. 101 B. shows an enlarged section of the connection between the bridge, B, truss rods, E, and tie rod, F. There are two iron plates, V, about 1¾ in. x 4 in. and ⅜ in. thick, between which are held by pins passing through the truss rods, E, and bridge, B, the two offset iron plates, W, securing the tie rod, F, to pin C as shown. The bridge B, is made from 1 in. x ⅜ in. flat iron. The truss rods, E, on both sides should be secured to the side posts, whether made of angle iron or pipe, by some form of fitting, O, the character of this fitting depending in a large measure upon the style of iron eave plates used.

The foregoing suggestions for the proportions of the columns and purlins for roof supports deal entirely with even span houses, but the same proportions may be applied to supporting the roofs of three-quarter span or shadeless ridge houses, when built on fairly level ground; and if these proportions are maintained, equal satisfactory results will be secured, but the conditions in connection with side hill houses are somewhat different.

The supporting of the roof of this style of house, composed of semi-iron construction, when set on a hill of steep grade presents certain problems which differ materially from the ordinary even or three-quarter span constructions built on level ground. Fig. 102 shows a house built on a steep grade of about 7 in. to the foot. The distance from the center of the column, C, which supports the ridge, to the southerly post, P, is about 42 ft. when measured on a level line; and the distance from the eaves to the ridge would be a little over 48 ft. which, with a 2½ in. x 1⅛ in. roof bar, would require six columns for the support of same; but if side struts, S, are used the number of columns required would be reduced to four, as shown. The distances, AB, between the purlins supported by the side strut, S, and the purlin supported directly by the column are 4 ft., and the distance, BC, is 8 ft. The distance, AB, could be increased to 6 ft., and if this were done it would increase the width of the house about 4 ft., making the distance from the eaves support, P, to the ridge support, C, about 46 ft., using the same number of columns. The purlins, D, may be composed of either pipe, tee iron or angle iron. In an even span house, one side of the house has a tendency to balance the other and the total thrust is practically downwards. In a house similar to the one shown the tendency of the structure is to slip down hill, as there is nothing on the opposite or north side to balance the structure, as in the case of an even span house; therefore, the columns which support the roof must be of sufficient strength to not alone support its weight but overcome the down hill tendency of the structure.

The columns, C, which support the purlins, D, in this instance are about 12 ft. long from grade to purlin, and under the conditions of an even span house 1¼-in. pipe would be sufficient; but in a case of this character they should not be made from less than 1½-in. pipe.

The struts, S, should be made of 1-in. pipe when the distance, AB, is only 4 ft., but if this distance was increased to 6 ft. these struts should be made of 1¼-in. pipe. The fitting, E, by which the side struts, S, are connected to the column, C, should be of the clamp pattern, with a ball and socket or other means of adjusting the angle of the strut.

The tie rods, T, which are made of 1-in. pipe, extend from the eave fitting, H, the character of which would depend upon the style of eave plate used, to the clamp tee, F, and also between the clamp tees, F and F, as shown. These tie rods should be secured to the fittings by means of a pin passing directly through the tee and the tie rod at both ends. This tie extending from the top of the column to a point just below the strut fitting, E, tends to brace the column against the thrust of the strut, and also forms an adequate framework, making a desirable construction for a house of this character.

Under the ordinary conditions of an even span house on level ground, the column, C, would terminate in a cast iron foot piece, which would be set in concrete as shown in previous illustrations; but with this type of construction each column should be set in concrete about 3 ft. deep, so as to form a solid footing for same and enable the columns to resist the downhill tendency of the structure.

In illustrating these roof supports we do not show any particular type of eave construction, as we have considered previously some of the leading types which are used; but the various kinds of supports described may be used in connection with any form of eave plate desired.

It is desirable to have a cast iron foot piece made to clamp over the pipe, so as to allow of some adjustment in the height of same; and when the column is adjusted at the required height, this cast iron piece should be bedded in concrete, either in the form of a 12 in. x 12 in. pier 12 in. deep, in the case of houses built on the level, or in the form of a concrete pier about 4 ft. deep when built on a steep side hill as shown. Of course, in all houses, if the ground has been filled in the concrete which supports the column should be carried to hard bottom.

The following is a table of the sizes of pipe columns which have been found satisfactory in connection with houses built on the level:

Size of Pipe Columns

Column up to 10′ long	1″ pipe
Column up to 10′-14′ long	1¼″ pipe
Column up to 14′-16′ long	1½″ pipe
Column up to 16′-19′ long	2″ pipe
Column up to 19′-23′ long	2½″ pipe

As before stated, where side struts are used, whether single or double, they should be made of 1-in. pipe, up to 5 ft. long; when they exceed this length they should be made of 1¼-in. pipe, and the strength of the column to which single side struts are attached should be increased; also, in the case of combination truss and column supports, or for steep grade hill houses, the columns should be made heavier than would be otherwise demanded according to the length of same.

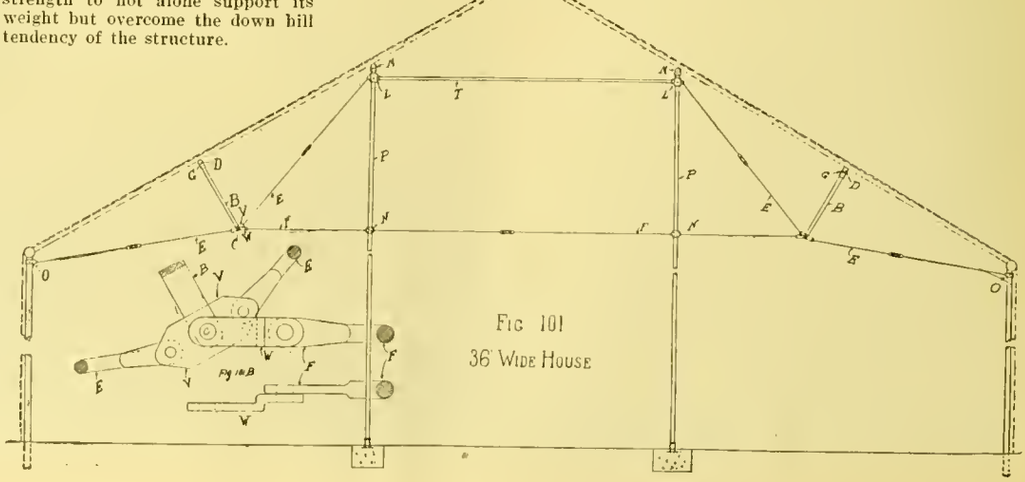


FIG 101
36′ WIDE HOUSE





Pyramidal Form of New Ostrich Plume Celosia Pride of Castle Gould. Color, pink
Julius Roehrs Co., Growers, Rutherford, N. J.

A Plant Novelty for Retailers

Probably the principal novelty seen in the windows of New York's retail florists this season is the Celosia Pride of Castle Gould, which is being sent out by the Julius Roehrs Co., Rutherford, N. J. The new variety is an addition to the feathered types of Celosias, and exceeds in beauty all of its predecessors. It is, of course, an annual, and the plants come to maturity in various forms from the pyramidal to the columnar, and in several different shades of color, pink, rose pink, terra cotta, crimson, dull scarlet and yellow. A pleasing feature of some plants is a slight reversion noticed at the tips of sprays. The plants in the New York windows, when dressed with ribbons to match the colorings have proved objects of great interest to the public, and have drawn thousands into the stores with the object of learning the name and other particulars concerning the variety. The Roehrs Co. are disposing of a stock of finished plants which has filled three of their largest greenhouses.

The Retail Florist

A Paper by Edword MacMulkin of Boston, Mass., read before the Gardeners and Florists' Club of Boston, October 18, 1910.

Your secretary has invited me to give a short talk about the retail florist, and the remarkable changes in the methods of transacting business that have taken place in the last forty years.

My personal experience extends back over thirty-five years, and I can assure you that there have been some changes since I started as an errand boy for our old friend, John Galvin, who opened the first store in Boston for the sale of flowers and plants, in 1858. It was a prosperous venture from the start, and the business is still in existence, being presided over by his son, Thomas F. Galvin.

When I entered the business there were only two or three stores in Boston. The principal difficulty at that time was to get stock to do business with. Boston was then the center of the flower production of the country, and the retailers found it more profitable to supply flowers to New York and Philadelphia stores than to sell them at retail in Boston. The old firms of John Galvin and Dee & Doyle made large shipments of Bon Silene, Safrano, Isabella Sprunt and La Marque Roses every night to New York and Philadelphia. While these Roses were plentiful it was difficult to obtain other flowers. One of my duties was to start out after dinner and make the rounds of the greenhouses, both private and commercial, in an endeavor to pick up a few Camellias, Abutilons, Epacris, Callas, Heliotrope and Tuberoses. If I succeeded in getting a couple of hundred flowers I did very well.

As was natural, the increasing demand for cut flowers called for an increased supply, and it was not long before the supply equaled the demand. Formerly it was the custom for the retailer to make an agreement with the grower to take all of his output, and, with the class of men in both branches of the business at that time, it was the best method for the interests of both parties.

At that time the retailing of flowers was hard work, vexatious in many ways, and very unsatisfactory, except from a financial standpoint. The hours were long and uncertain, and with stock so difficult to procure the florist's life was not a very happy one. The methods of making bouquets and so-called "pieces" were very crude, and with few exceptions the business was in the hands of men who had no thought but for the dollar to be made in the transaction.

A bouquet was started with a Rose or Camellia in the center, with rows of other flowers around it, the whole thing filled in and edged with Princess Pine. Wreaths and crosses were made on rattan or laths, the flowers being wound on, one by one, and the pieces shipped in cheese boxes, or boxes made out of laths and newspapers. Cut flowers were sent out in second-hand shoe boxes, or rolled up in brown paper.

In the old days it was not so easy to carry on business as it is at the present time; a man had to have some natural ability to take the flowers he had at his command and make a presentable combination of colors, but they could do it. It would be pretty hard lines if some of the present day mechanics were asked to make a wreath or cross in the old way. Most of them would have to get another job. About 1870, the arrangements of flowers on wire frames was introduced in the stores, and the innovation was hailed with delight by a majority of the florists. Some of these, so-called, designs, have been of great assistance to the florist; most of them, however, have a tendency to hurt the business in the long run. I think nothing is so disgusting as a great big plaster of Milkweed and Immortelles arranged in the forms of Gates Ajar, Faith, Hope and Charity and other such abominations. This sort of thing is so unnatural that it causes much adverse comment, and it is a fact that a number of churches will not allow flowers in forms of the kind mentioned to be brought into the sacred edifices. I know it is impossible for the florist to evade making the forms if he is asked to do so, but if he has to make them he should try to turn them out in a form as little objectionable as possible.

About 1875, various causes led to an increased activity in the business. New ranges of glass were erected all over the East, and new stores were opened to dispose of their output. I have always thought the cause of this activity was the arrival in this country about that time, from different parts of Europe, of a number of men who were fairly well educated, industrious, and able, and who thoroughly understood the cultivation of plants and flowers. They at once saw the possibilities in the flower business and were not slow to take advantage of them.

During the last thirty years the methods of conducting the florist business have improved year by year, and the knowledge required of a first-class florist has increased correspondingly. Years ago it was sufficient for a florist to know the names of a few common flowers and to be able to put them in a box and tie them up. There were no such things, for the ordinary public, as table, house or church decorations, etc. Today, every well-regulated household has more or less of these decorations when a dinner is given. Considerable time is devoted to the selection of the flowers for these occasions, and the florist is expected to render every assistance. This is as it should be, for the reason that with the florist's assistance on such occasions the customer is satisfied with the effect obtained, is sure to want it another time, and will recommend the florist to friends who may want similar work done.

The retail florist is somewhat handicapped in the conduct of his business, from the fact that conditions are not always favorable for him to push his goods before the public by advertising, as does his neighbor in other lines of trade. It is practically conceded that the florist business is a one man affair, and that everyone who wants to buy flowers either knows where to get them or has some friend who will tell him the best place to supply his wants. For this reason it is up to the man himself to make his business. He must not only be thoroughly informed in regard to the business, but he must have good taste, be courteous to his customers, ready to supply their wants, and prompt in the execution of orders—and he must demand the same qualities in his employees. The day of the shirt sleeve artist is gone; the florist of today must be as presentable as the goods he offers for sale. There is too much competition in business for a man to be behind the times. Competition has entered the florist business as well as other businesses, and it is no use telling a customer that if he don't take what is offered he cannot get it anywhere else. He will not believe you.

This competition, of course, is not always fair, but other lines of trade make the same complaint. It is human nature to say that the other fellow is faking. Sometimes he is, but it is generally a fact that the other fellow thinks the same thing about you. One of the troubles of the average retailer is his inability to mind his own business. He spends altogether too much of his time looking after his neighbors. This is also true of the growers. Any of us can occupy our time in looking after our own business, the other fellow certainly won't pay us for looking after his. The average florist pays too much attention to the stories of his competitors selling goods at a lower price than he can. The story that his competitor is selling Carnations at 50c. per dozen, when he is paying $4 per hundred for them, is silly. If you can't grow or buy your goods as cheaply as your neighbor, it is your own fault. If he is selling an inferior stock, or selling at cost, it is only a question of time before he drops out and leaves the field to his competitor.

The florist of the time of which I speak had none of those aids which make the work easy for his present day brother; there were no Hartfords or Robinsons to supply him in a hurry with any kind of green goods, nor Welchs or McCarthys to telephone to for flowers. He had to tramp to get them. The old timers had to work hard, but they enjoyed it. Most of them were up at daybreak, and always worked away steadily until nine o'clock at night, and sometimes later. They were ever willing to help each other out of a hole. If one of them got a good order the others were glad of it, and, while the competition was as keen as it is now there was not that feeling of jealousy among them that exists at the present time. It was not an unusual sight to see three or four growers bring in their flowers of an evening and stay and help put up the early orders. Of course, there are a few good fellows left yet, that you can call on for a lift, but their number is small. I suppose that the changed conditions are responsible for this state of affairs, and that its cause will not be found in any want of good feeling on the part of the grower.

(To be continued)



New Ostrich Plume Celosia Pride of Castle Gould. Color, yellow
Julius Roehrs Co., Growers, Rutherford, N. J.

Boston Retail Trade

Business is starting up again in good style. Penn, the Florist, had several large decorations last week, among them that of the Gilchrist Store, one of the largest department stores in Boston. He was also rushed with orders for the funeral of the late Mrs. Julia Ward Howe. Orders are coming from all over the United States and not a few from abroad.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS — NEW YORK STATE

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist."

Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. L. Phillips — Established 1874 — FLOR IST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Menager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.

Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.

Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE — MARYLAND — 902 South Charles St.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER,

CINCINNATI, O. — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Mesaba	Oct. 22	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 22	10.00 am.	W. 23rd St., N.Y.	Southampton
Caledonia	" 22	10.00 am.	W. 24th St., N.Y.	Glasgow
Finland	" 22	11.00 am	W. 18th St., N.Y.	Antwerp
Koenig Albert	" 22	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Arabic	" 22	12.00 m.	W. 21st St., N.Y.	Liverpool
Regina d' Italia	" 22	12.00 m.	Gr'nd St., Jer.Cy	Naples-Genoa
Saxonia	" 22	12.00 m.	W. 14th St., N.Y.	Mad-Gib-Geno Nap-Tri-Fiume
Amerika	" 22	12.00 m.	1st St., Hoboken	Hamburg
Italia	" 22		Union Strs. Bkln.	Naples
Ryndam	" 25	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 26	10.00 am.	W. 14th St., N.Y.	Liverpool
Pres. Grant	" 26	1.00 pm.	1st St., Hoboken	Hamburg
Teutonic	" 26	3.00 pm.	W. 21st St., N.Y.	Southampton
La Touraine	" 27	10.00 am	W. 15th St., N.Y.	Havre
Panagonia	" 27	12.00 m.	W. 14th St., N.Y.	Gib-Naples Trieste-Fiume
Hellig Olav	" 27	2.00 pm.	17th St. Hoboken	Copenhagen
Roma	" 27		31st St., Bklyn	Naples
Uranium	" 27		Pier 38, Bklyn	Rotterdam
Europa	" 28	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Minnewaska	" 29	7.30 am.	W. 16th St., N.Y.	London
St. Louis	" 29	10.00 am.	W. 23rd St., N.Y.	Southampton
Vaderland	" 29	11.00 am.	W. 18th St., N.Y.	Antwerp
Taormina	" 29	11.00 am	W. 34th St., N.Y.	Naples-Genoa
Moltke	" 29	12.00 m.	1st St., Hoboken	Hamburg
Columbia	" 29	1.00 pm.	Bush Dks, Bklyn	Nap.-Palermo-Trieste
Baltic	" 29	2.00 pm.	W. 21st St., N.Y.	Liverpool
Niagara	" 29	3.00 pm.	N. Y.	Havre
Chicago	" 29	3.00 pm.	N. Y.	Havre
California	" 29	3.00 pm.	W. 24th St., N.Y.	Glasgow
Themistocles	" 29		Pier 22, Bklyn	Piraeus-Smy'a Constant'ple
Potsdam	Nov. 1	10.00 am.	5th St., Hoboken	Rotterdam
Ka. Wilhelm II.	" 1	10.00 am.	3rd St., Hoboken	Bremen
San Giovanni	" 1		Pier 22, Bklyn	Napls-Palrmo
Caronia	" 2	10.00 am.	W. 14th St., N.Y.	Liverpool
Oceanic	" 2	3.00 pm.	W. 21st St., N.Y.	Southampton
Cincinnati	" 3	10.00 am.	1st St., Hoboken	Gib-Nap-Geno.
La Provence	" 3	10.00 am.	W. 15th St., N.Y.	Havre
Fred. der Grosse	" 3	10.00 am	3rd St., Hoboken	Bremen
Furnessia	" 5	9.00 am.	W. 24th St., N.Y.	Glasgow
New York	" 5	10.00 am.	W. 23rd St., N.Y.	Southampton
From Boston				
Ivernia	Oct. 25	3.00 pm.	B&A Dks, E. Bos.	Liverpool
Georgian	" 26			Liverpool
Parisian	" 28	6.00 am.	Mystic Whf. Char	Glasgow
Canopic	" 29		B & M Dks. Char	Azores-Gib
Cymric	Nov. 1		B& M Dks, Char	Liverpool
Philadelphia				
Friesland	Oct. 22	10.00 am.	53 So. Wharves	Liverpool
Marquette	" 28	10.00 am.	55 So. Wharves	Antwerp
Taormina	" 28		80 So. Wharves	Naples-Genoa.
Carthagenian	" 29		24 No. Wharves	Glasgow
Haverford	Nov. 5	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Mongolia	Oct 25	1.00 pm.	1st Street	Honolulu
Tenyo Maru	Nov. 1	1.00 pm.	1st Street	Japan
Korea	" 8	1.00 pm.	1st Street	China

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill

Our Motto—THE GOLDEN RULE

Meyer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

A. J. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see pages 752-753

FLOWERS DELIVERED BY TELEGRAPH

Anywhere—At Any Hour

By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.

5-in. pots, 18 to 24 in. high, splendid plants, 75c. each.

7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each.
7-in. tubs, 3 plants in a tub, 36 in high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer.

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

Araucaria Excelsa

	Each
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Araucaria Excelsa Glauca

	Each
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 inches high	$2.50
9-in. tubs, 42 to 46 inches high	3.00
10-in. tubs, 46 to 48 inches high	4.00
11-inch tubs, 48 to 52 inches high	5.00
11-inch tubs, 52 to 54 inches high	6.00
18-in. tubs, specimen plants, 8 ft. spread	40.00

Pteris Wilsoni Fern

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	1000
5-in. pans	$25.00	
6-in. pans	35.00	
2¼-in. pots	3.50	$30.00

DREER'S PÆONIAS READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PÆONIA CHINENSIS

	Doz.	100	1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white center	$1.50	$10.00	$90.00
Achille. Beautiful soft mauve, changing to rose tinted white	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy center	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; center soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white	2.00	15.00	
Delachei. Amaranth red	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers	$1.50	$10.00	$90.00
Festiva Maxima. Pure white, center petals tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur center	1.50	10.00	90.00
Humei. Rosy carmine; fine large flowers; late	1.25	8.00	75.00
Humei Rosea. Deep rose	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	3.50	25.00	
Lady Bramwell. A beautiful silvery-rose; of large size and fine form	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; center delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine	3.50	25.00	
Mme. Crousse. Cream guard; blush-white center; tinted violet	$3.50	$25.00	
Paganini. Light solferino red with a lighter center	1.50	10.00	$90.00
Pomponia. Guard petals rosy mauve; primrose-yellow center, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white	1.50	10.00	90.00
Reine des Fleurs. Rosy pink	2.00	15.00	
Reine des Roses. Pale rose lilac; center cream and pink	3.00	20.00	
Victoire Modeste. Blush rose and white	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; center light salmon yellow	1.50	10.00	90.00
Whittleyi. An oldtime favorite white cut flower variety	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

	Doz.	100	1000
Double Pink. Mixed sorts	.75	5.00	40.00
Double Red. Mixed sorts	1.00	7.00	60.00
Double Mixed. All colors	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white	1.50	10.00	
Officinalis (Mutabilie) Rosea. Soft bright pink	1.50	10.00	
Officinalis Rubra. Crimson	1.00	7.00	
Tenuifolia flore plena. Crimson	3.00	20.00	

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc.

714 CHESTNUT STREET
PHILADELPHIA, PA.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch. 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A1 grower of Roses and Carnations. Address "Florist," 156 E. 33d St., New York City.

SITUATION WANTED—By single man, sober, aged 34; grower of general stock and cut flowers. Private and commercial experience. State full particulars. Address M. D., care The Florists' Exchange.

SITUATION WANTED—By gardener, married, German, 38 years of age, sober and industrious. Have had charge of last place for 3 years. Good references; private place preferred. Address Frank Berns, 217 Sherman ave., Newark, N. J.

SITUATION WANTED—By single middle aged man; good grower of Christmas, Easter and bedding stock, Carnations, Ferns, etc. State particulars and wages; acceptable reference. Address "Florist," 582 West Side ave., Jersey City, N. J.

SITUATION WANTED—By florist, German, single, with 22 years' practical experience; honest and competent to take full charge. Willing worker for business interest. Kindly state wages. Address "Florist," care Adolph Martin, 2834 Atlantic ave., Brooklyn, N. Y.

SITUATION WANTED—By gardener, German, 32, married, old child, who is well versed with greenhouse work; also well acquainted with decorating. 18 years' experience. Position in New York City preferred. Address Edward Walther, 1172 E. 178th St., N. Y. City.

SITUATION WANTED—By experienced grower of Roses and Carnations as assistant foreman on commercial or private place; 13 years' experience; 9 years in this country; age 27; references; good wages expected. New York State preferred. Address M. E., care The Florists' Exchange.

SITUATION WANTED—By young man, American, in Carnation Section or on commercial place; strictly temperate and reliable. Good references can be furnished. Address L. H., care of The Florists' Exchange.

SITUATION WANTED—By first-class florist and gardener, desirous of changing the present situation. Have had 25 years' experience in growing all kinds of cut flowers, bedding and pot plants; good propagator and designer, married, no children. Best of references from present employer. Address M. A., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 41 years of age, single, German, sober and good worker; a first-class all-around man, experience from private and commercial places on under glass and outside work; good maker-up. Experience in Roses, Carnations and 'Mums; first-class references from former and last employer. Please state wages and particulars. Address A. R., care Mr. Prager, 172 West 124th st., New York City.

THE ADVERTISER would like to correspond with some gentleman or florist requiring the services of a good grower. Have had extensive experisnce, both under glass and outside work, such as grading. Well versed with flowers, fruits and vegetables; able to handle men to the best advantage. Well recommended; Englishman, married, age 38. Address JOHN THATCHER, Chester, W. Va.

SITUATION WANTED—By thoroughly competent landscape architect of long and extensive experience; able and independent designer and draughtsman; also competent florist in decorations and designs as well as in greenhouse and outdoor culture, forcing, etc., and in the care and maintenance of parks. Advertiser desires to accept position for development or superintendence of private or public property. New York State preferred. Please address M. C., care of Room 614, 60 Wabash avenue, Chicago, Ill.

Continued to next Column.

SITUATIONS WANTED

A CAPABLE SEEDSMAN

Wishes to correspond with a firm needing a young man experienced in all branches of the business; one who is capable of taking charge of a department. Please state particulars and salary. Address "SEEDSMAN," care The Florists' Exchange.

HELP WANTED

WANTED—Night fireman for four steam boilers; married man preferred. State wages and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—First-class salesman of good appearance, capable of serving best trade; good salary to right party. Max Schling, 22 West 59th st., New York City.

WANTED—Married man as Rose and Carnation grower to work under foreman. Salary $60.00 per month with house; rent free. Idle Hour Nurseries, Macon, Georgia.

WANTED—A young lady thoroughly experienced; one who can handle first-class trade. Good reference required. Address Howard P. Kleinhans, 66 Centre sq., Easton, Pa.

WANTED—On a commercial place near New York City, a grower of Begonia, Cyclamen, ferns and pot plants; no others need apply. Send copy of references. Address M. B., care The Florists' Exchange.

WANTED—Single man with experience in general greenhouse work, especially in Carnations and Palms, etc., on private place. State nationality and wages wanted. Address L. K., care The Florists' Exchange.

WANTED AT ONCE—Competent grower of 'Mums, Ferns, Easter Plants and Bedding Stock as foreman; must be capable of taking full charge of 25,000 feet of glass. $60.00 per month and room. Address with references, T. Malbranc, Johnstown, Pa.

WANTED AT ONCE—Good all-around greenhouse man, single. **ALBERT NIRK,** East Nutley, N. J

WANTED—An assistant florist, by Nov. 1st or 15th, who has experience in general greenhouse work; wages $25.00 per month with board and room. Address GEO. W. VREELAND, Athenia, N. J.

WANTED—Night fireman for eight hot water boilers and one steam boiler. State wages and previous experience. EDW. J. TAYLOR, Greens Farms, Conn.

FLORIST WANTED

A capable man for general greenhouse work to grow soft stock and Rose plants; no cut flowers. Must write a good hand and be competent to take charge of a small range of houses and fill orders. Send references and wages wanted. A good job to the right man. Must be prepared to come at once.

Otto Schwill & Co., Seedsmen,
18-20 S. Front St.,
Memphis, Tenn.

STOCK FOR SALE

CARNATIONS

500 STRONG, HEALTHY FIELD CARNATIONS, Harry Fenn, $5.00 per 100. Few hundred second size at $3.00 per 100. Bargain price for whole lot. Jacob H. Weaver, R. F. D. No. 6, Lancaster, Pa.

CARNATION PLANTS.—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

CHRYSANTHEMUMS

STOCK FOR SALE—Stock plants of Golden Glow, $5.00 per 100. R. T. McGorum, Box 25, Natick, Mass.

STOCK PLANTS OF CHRYSANTHEMUMS Golden Glow can ship at once. Will have the following varieties, Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann, $1.00 per dozen, $5.00 per 100. Satisfaction guaranteed.

Brant Broe. Inc., Utica, New York.

Continued to Next Column

STOCK FOR SALE

GERANIUMS

STOCK FOR SALE—Geraniums, rooted cuttings, S. A. Nutt, $1.25 per 100, $10.00 per 1000. Now ready. Cash with order. W. C. Meyers & Sons, Scottdale, Pa.

Geranium Growers, Attention!!

The entire stock, 400 plants of

Miller's Pride Geranium

(SEEDLING)

MUST BE SOLD

Certificate of Merit, Rochester Convention, 1910. It fills a long felt want. Exchange correspondence solicited from those looking for a money maker. Address

H. YOUELL, 538 Cedar Street, SYRACUSE, N. Y.

MISCELLANEOUS

STOCK FOR SALE—Field grown Vincas, $4.00 and $5.00 per hundred. Orvis, Florist, Elmira, N. Y.

PANSY PLANTS, fancy show and giant market blends, ready now, $2.00 per 1000. Cash. F. E. Saunders, 25 Burnett st., Providence, R. I.

STOCK FOR SALE—Asparagus Plumosus Nanus, strong plants from frames, ready for large pots, $10.00 per 100. Speak quick.

The Florex Gardens,
North Wales, Pa.

STOCK FOR SALE—Stocky, strong plants of Daisy Snowball (white), Longfellow pink, Double Sweet William and Exhibition Pansies, 50 cents per 100, $1.00 per 250, $3.00 per 1000. R. Monaghan, Abington, Pa.

STOCK FOR SALE—Richmond Rose Plants, hardy, two years, field-grown, bloom from Spring to frost—fine for pots or beds, $3.50 per 25, $6.50 per 50, $12.00 per 100. R. Monaghan, Abington, Pa.

VINCA, Variegated and Green, strong field-grown plants, $4.00 per 100, $35.00 per 1000. Cash with order please. France & Vandegrift, 401 Washington St., Monroe, Mich.

STEVIA, large pruned field plants, $5.00 per 100. STOCK CHRYSANTHEMUM PLANTS ready: Golden Glow, Reviere, October Frost, $3.00 per 100, $20.00 per 1000. I. M. Rayner, Greenport, N. Y.

REX BEGONIAS

Fine collection of Rex Begonias, 2½-in. pots, $4.00 per 100; 4-in. pots, $6.00 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

STOCK FOR SALE—Coleus: 150 Golden Bedder, 150 Verschaffelti, 2½ in. pots, full of cuttings, 10 in. high, $5.00 for the lot. Willing to exchange for Pink or White Carnation Plants. John Lealman, Box 29, R. F. D. No. 1, Vineland, N. J.

PERFECT specimen trees, 16 to 25 ft. tall, 2½ to 8 inches caliper, Norway and Schwedler Maples, Poplars, Beeches, Lindens, Catalpa Bungil, Wier's Cut-leaved Maples, etc.—Prices low; write us. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

PRIMROSE, Chinese and Obconica, extra fine plants, 3-in., $4.00 per 100. Kewensis, 2-in., $2.00 per 100; 3-in., $4.00 per 100. CINERARIAS, large flowering dwarf, 2-in., $2.00 per 100, ASPARAGUS Plumosus, 3-in., $4.00 per 100. Cash please. J. W. MILLER, Shiremanstown, Pa.

PEONIES, best varieties, fine strong roots, $6 per 100; Festiva Maxima, $12 per 100. Strong field-grown Phlox, ready to bloom next summer $3.50 per 100; following varieties: Boule de feu, bright red; Jeanne d'Arc, white; Athis, bright pink; and others: Hardy Marguerite, $4 per 100. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Cash with order.

HENRY RUDOLPH, Essex Fells, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

Asparagus Sprengeri, 4 in., 5c. each.
Asparagus Plumosus, 4 in., 6c. each, Ready to shift.
English Ivy, pot grown, 3 and 4 in. plants, fine stock.
Tsussimense Ferns, $10.00 per hundred.
Holly Ferns, 4 in., 10c. each, bushy plants.

Eswell Kemp,
349 Grove St.,
Newark, N. J.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

ASPARAGUS

Strong, 2½-inch pots, Ready to Shift

	Per 100	Per 1000
SPRENGERI	$2.50	$22.50
PLUMOSUS NANUS	3.00	25.00

JACKSON & PERKINS CO.
Florists and Nurserymen, Wholesale only
NEWARK, Wayne County, NEW YORK

CYCLAMEN, 5-in., in bud, 25c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 5c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $25.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 6 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 5-6 in., 15c.-25c.
All above stock is A No. 1 and of large size.
Cash from parties unknown.

JOS. J. SOKOL, Westville,
New Haven, Conn.

BULB BARGAINS!!

AT COST, TO CLOSE OUT REMNANTS!

HYACINTHS

	First Size 18 ctm. and over; 4 Cents	Second Size 16 to 18 ctm. 3 Cents	Miniature 1½ Cents
Baron Van Thuyll		17	24
Gertrude	436	230	970
Gigantea	137	350	970
Grandeur Merveille	12	12	21
Grand Maitre	360		1270
King of the Blues	36	60	120
L'Innocence	336	460	570
La Peyrouse	11	12	23
Roi des Belges	11	80	265
Rosea Maxima	10	12	23
Red		84	
White		77	
Blue		93	
Rose		89	

TULIPS. Quality Guaranteed

	SINGLE	Per 100	1000
675	Artus	$1.00	$8.00
177	Chrysolora	.75	
6500	Keiserskroon	1.00	8.50
525	L'Immaculee	.70	6.00
1700	Yellow Prince	.70	6.00
100	Due Van Thol, white	1.00	
1130	Rose Grisdelin	.80	7.50
350	Due Van Thol, scarlet	1.00	
225	Belle Alliance	1.50	
955	Couleur de Cardinal	1.00	9.00
385	Goldfinch	.75	
7500	La Reine	.80	7.00
500	Proserpine	1.50	
220	Vermilion-Brilliant	2.00	
835	Canary Bird	.75	6.00
855	White Swan	.75	6.00
485	Mon Tresor	.75	6.00
1985	Rose Luisante	.75	6.00
	DOUBLE		
550	Couronne d'Or	1.25	
220	La Candeur	.90	
1920	Murillo	1.00	9.00
270	Rubra Maxima	1.00	
375	Turnesol	1.25	

NARCISSUS

		Per 100
500	Double Von Sion, 2 and 3 noses	$1.75
500	Double Von Sion, first size	1.25
500	Double Von Sion, second size	1.00
1500	Golden Spur, single, first size	1.00
1000	Emperor, single, top-roots, 3 and 4 noses	1.25

SPANISH IRIS

5000 **Fine Mixed, $4.00 per 1000.**

Quality guaranteed; satisfaction assured. Write or wire. These prices will close 'em out mighty quick.

JACKSON & PERKINS CO.
Wholesale Only **Florists and Nurserymen**
NEWARK, Wayne County, NEW YORK

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Florist business; established 16 years; well known. Doing a good business. Best of reasons for selling. Mrs. F. Kahles, 5221 Third Ave., Brooklyn, N. Y.

Greenhouse Property For Sale

About 12,500 feet of glass in ten greenhouses, fully stocked with Carnations, Chrysanthemums, Stevia, Callas, Asparagus plumosus, Ferns, Daisies and bedding plants for Spring sale; also about 1000 Cypripediums showing bud. The plant is heated with 5 Weathered boilers, tubular boiler and Blake pump for watering. Place to be sold on account of sickness. Will sell cheap. Can be sold subject to mortgage.

GEORGE WELCH, Box 95 Ramsey, N. J.

Small Fruit and Market Garden Farm

For Sale on Long Island

The subscriber offers for sale a Small Fruit and Market Garden Farm on the South side of Long Island in a noted Summer Resort Section. The property consists of greenhouses, store, barn, dwelling house and about three acres of well cultivated soil. The reason for selling is a recent death in the family. Can be purchased with or without house, for a small part cash and balance on mortgage. Full particulars upon application to

FARM, care Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—Richmond Boiler No. 021, capacity 650 feet of radiation, good as new, price $30.00. Dean Ferris, Peekskill, N. Y.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

AUTOMOBILISTS, ATTENTION.—Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap. I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

FOR SALE

8000 Second Hand Steel Wire Stakes, of various lengths, from 3 feet to 6 feet. Will be sold very low for cash.

S. C. NASH, Clifton, N. J.

FOR SALE CHEAP—TO QUICK BUYER TO SETTLE A BUSINESS:
15,000 sq. feet 10 x 12 double thick glass,
15,000 sq. feet 1½, 2 and 3-in. pipe,
5,000 flower pots, asst. sizes.
Three large boilers (hot water) sash bars, ventilating outfits, etc. All of the above stock is taken from the large greenhouses conducted lately by Mrs. F. F. Howell and now being demolished by R. T. Brown, Pine Bush, N. Y.

Inch and Quarter Steam Pipe For Sale. 20,000 Feet

At three cents per foot, cash, delivered on cars Washington D. C. Guaranteed well threaded couplings, and free from holes and splits.

FRANK I. WHITEHEAD, Washington Post Bldg. WASHINGTON, D. C.

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.50 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 15x20 to 15x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

Any standard cut of Flower used free of charge. Sample 10 cents.

FRED. A. SOTTER
Box 86L DOUGLASSVILLE, PA

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg Rochester, N. Y.

Please mention the Exchange when writing.

Prices Advertised for the Trade Only

Albany, N. Y.

Walter Emerich of Shaker road has cleaned up all outdoor stock and is starting his greenhouses for the Winter season. His bulbs are potted, and he has coming on Pansies, Sweet Williams, Forget-me-nots and Bellis perennis, some of the flowers of the latter measuring almost 3 in. in diameter. Mr. Emerich reports a successful Summer trade. L. H. S.

Catalogs Received

M. LEENDERS & CO., Steil-Tegelen, Holland.—New Roses for 1911.

G. BENARD, Orleans, France.—Catalog of Nursery Stock for 1910-11.

FREDERICK ROEMER, Quedlinburg, Germany.—Novelties in Flower Seeds for 1911.

WILSON BIRD STORE CO., Cleveland, O.—A neatly prepared leaflet on Bulbs for Fall Planting.

KOHLER & RUDEL, Windischleuba-Altenburg, Germany.—Novelties for 1911 (Seeds for Hardy Plants).

W. E. CALDWELL CO., Louisville, Ky.—Catalog of Towers and Tanks to fit all conditions and suitable for all purposes.

SHATEMUC NURSERIES, Barrytown, N. Y.—A carefully compiled and well illustrated Catalog of Nursery Stock. Somewhat a departure in the treatment of the covers is to be noted in the fact that all four are illustrated. The two inside pages carrying a one-piece landscape view of Rhododendrons in the foreground, with trees and shrubs and a winding road running off in the distance. The back cover shows a pond with Water Lilies in bloom, Iris on the banks, blooming shrubs and ornamental trees in the distance.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(95) **For Identification.** — Enclosed please find four samples of plants, numbered, which I would kindly ask you to name. 1, a tree 20 ft. high; 2, a tree 15 ft. high; 3, a deciduous conifer, 3 ft. caliper, 40 ft. high; 4, a herbaceous plant, 4 to 6 ft. high.—F. B., N. J.

—No. 1 is Koelreuteria paniculata; No. 2, Celtis occidentalis; No. 3, if a deciduous tree, as you say it is, must be a Larch, but it looks very much like Cedar of Lebanon, an evergreen; No. 4, Helianthus Maximiliani, I should say.
JOS. MEEHAN.

(96) **How To Get Rid of Cut Worms Destroying Carnation Buds.**—We mail you a sample of our Carnations; you will see that the buds and young growth are both eaten up by a pest of some kind. Will you kindly tell us what it is and what to do to get rid of it?—G. B., Mass.

—The buds submitted show very plainly that they are attacked by the cut worm, probably the "variegated" sort. The only remedy is to hunt these at night, by the aid of a lantern, and kill them. These cut worms were either brought in from the field with the plants, or with the soil, when the benches were filled, unless killed they will prove very destructive but fortunately they are so large that they can easily be seen on the flower buds and stalks.

(97) **Best Early Chrysanthemums.**—Please name the best 'Mums in yellow, pink and white, flowering before Nov. 1.—J. S., La.

—Early yellows: Golden Glow, flowers may be had from Aug. 15 to Oct. 30; Monrovia, one of the best early yellows. Midseason yellows: Col. D. Appleton, Major Bonnaffon, Yellow Eaton. Early pink: Glory of Pacific, Pink Ivory. Midseason pink: Dr. Enguehard, Viviand-Morel. Early white: Ivory, October Frost, Virginia Poehlman, Polly Rose, Midseason white: Timothy Eaton, Lynwood Hall, Pres. Roosevelt, White Cloud.

(98) **Unusual Blossoming of Hydrangea Hortensia.**—Several of my plants have opened one floret at a time, and so kept on, then stopped flowering entirely; no complete trusses opening simultaneously. Can you advise me the trouble?—J. S., La.

—It is impossible to tell from data given the cause of Hydrangeas blooming in manner described, but it is suggested that if the plants are handled carefully and according to the usual manner, they will, another season, bloom after the customary manner. Large Hydrangeas are much benefited by a Winter's rest and should be so treated to secure Summer blooming.

(99) **Chrysanthemums Attacked with Rust.**—Enclosed are a few Chrysanthemum leaves. Kindly let me know what kind of sickness this is and how to remedy same?—N. H. S., N. J.

—The Chrysanthemum leaves submitted show that your plants have an attack of rust. Remove the rusted leaves and spray the clean ones remaining with potassium sulphide solution. This solution is made by dissolving one ounce of potassium sulphide in a quart of hot water, then making it up to two and a half gallons with cold water.

(100) **Geraniums for Name.**—R. S. B., Mass.

—The flowers were received in a somewhat wilted condition. The identification was made by R. Vincent, Jr. & Sons Co. of White Marsh, Md. The scarlet is believed to be E. H. Trego; the rose pink, Dr. Leon Petit, or a variety very similar thereto.

(101) **The Beet and Spinach Leaf Minor.**—Herewith Spinach leaves badly eaten by a small worm, which works between the outer and inner epidermic Please name it and advise a preventive. —J. S., N. Y.

—The insect affecting the Spinach is the Beet and Spinach Leaf Miner (Pegomya vincina), as the larvæ and pupæ that were found in the leaves are undoubtedly this species. The adult insect is a gray fly with the front of the head silver white. It lays its eggs on the lower surface of the leaves of Spinach; the eggs hatch and the larvæ bury themselves within the leaf tissue, constructing a threadlike mine, which they afterward extend in a curve or semicircle. Injury appears to be most frequent in late Fall but may be due to earlier generations in Midsummer. The insect occurs on Beets, Spinach and like plants, such as Lamb's-quarters.

In regard to its control: In kitchen gardens gathering and destroying the leaves as soon as found infested, and neighboring plants which serve it for food, is a tedious but an effective means of control and, even in larger fields, much injury can be prevented by proceeding in the same manner at the outset of attack. On account of the habit of the maggot the employment of insecticides is practically useless. Therefore, it only remains to practice clean cultivation by preventing weeds (on which it feeds) to grow around the place and practicing late Fall and early Spring plowing.—Thomas B. Symons, State Entomologist, Md.

GREENS FARMS, CONN.—Geo. B. Whitehead has been obliged, through scarcity of water, to dig another well on his property.

SEDALIA, MO.—At the recent Missouri State Fair, the Archias Floral Co. was awarded first for exhibits of Bridesmaid and Perle Roses, also for pink and white Carnations.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

RUBBER PLANTS, 5-in. pots, 25c. each; 6-in. pots, 35c.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.

GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

HYDRANGEA Otaksa, from open ground, 3 to 4 buds, $10.00 per 100; 5 to 7 buds, $12.00 per 100; 8 to 10 buds, $15.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

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Reliable Supplies for both Wholesale and Retail Florists

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To the Purveyors of the Sweets of Nature"

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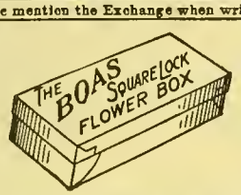

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Henry M. Robinson & Co., Wholesale Commission Florists



CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

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New Crop Ferns Now Ready 75 cents per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass. L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.— Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

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"I am sure that I never got better value from a dollar than in the Exchange the past year."

Address of this advertiser upon application.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tube, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

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KRICK'S
Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
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Dealers in Fancy Ferns

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EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery

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GEORGE COTSONAS & CO.
127 WEST 28th STREET
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Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Climax Manufacturing Company's Special Sale of

Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower, Design, Pillow and Shipping Boxes are made from Heavy Manilla board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100	Size	Per 100
†18x5x3*	$2.25	16x16x8	$8.00
†20x4x3*	2.25	18x18x8	9.00
†21x5x3	2.75	20x20x8	10.00
†21x7x3½*	3.25	22x22x8	12.00
†24x6x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x15x8	10.00
25x15x5*	7.25	24x18x8	12.00
†30x6x3½*	3.75	28x22x8	13.50
†30x10x5*	7.50	30x15x8	13.50
†30x12x7	9.00	26x20x10	16.50
†36x6x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†36x10x5*	9.00		

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 300 or more. Extra Charge of $1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of $15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days time, but no discount will be allowed unless the invoice if paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address—

THE CLIMAX MANUFACTURING CO.
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Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St., Boston, Mass.
JACOB BRUNNER, Mgr.

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We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

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We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

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We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

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The Florists' Supply House of America

No need to qualify the fact. Biggest and Best Assortment of Florists' Supplies in America.

That means much to you. Why? You can get the latest and best of Everything in Supplies and Novelties from us; then your business will show increased results. Send us your list of wants. We know how to take care of it. When your stock is attractive, it will please your trade, and your sales will show the results of our advice. Now is the time to put in one of our Greatest Novelties, sells at sight, **Our Famous Imperial China Ware, either in plain or real gold finish.** Our latest importation is another Advance Novelty, Gold and Silver Filagree Baskets, the daintiest of them all; from a small one up. You will like them. **A Sample Trial Order will put you right in line with the Latest New Things.** Ferns are adding greatly to increased trade; all the most desirable effects are produced with **plain and two colored Ferns** for Autumn and Winter Decorations. Beech Sprays, green, red, leather color and yellow; the most desirable of all new importations for the decorator's art. Crepe Flowers are a new and favorite conception, come in Orchids, Wistarias, Hyacinths, Roses, Chrysanthemums, and Dahlias. Magnolia Leaves, green and brown. Oak Sprays, brown and yellow. Ruscus and Statice Wreaths. Everything which a Florist can use to add new ideas to his business you can obtain from us. Order the New Things. They will help you.

SEND FOR OUR CATALOGUE OF SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Retail Notes

NEWBURGH, N. Y.—Coldwell & Jesperson, florists, have just had a formal opening of their new store at 1 West st.

MANCHESTER, N. H.—The firm of Magnuson & Hylen, florists, has been dissolved. Mr. Magnuson will continue the business.

DIXON, ILL.—N. H. Long has moved his store quarters from Main st. to the Jones & Slain establishment on Galena ave.

HUNTINGTON, W. VA.—C. P. Dudley of Dudley & Sons, florists, Parkersburg, W. Va., is to open a retail florist store in the Thompson building, Ninth st., between Third and Fourth aves.

COLORADO SPRINGS, COL.—The Pikes Peak Floral Co. has bought the lease, business and fixtures of the bankrupt Colorado Springs Floral Co. at 104 North Tejon st. and will conduct a retail store at that location. The store will be the only exclusive retail store of the kind in the downtown district, and will be in charge of F. B. Sauerwald. The retail store of the Pikes Peak Co. at its greenhouses, corner of Platte and Wahsatch aves., will be continued. The combined greenhouses of the company at that location and on East Columbia st. cover over three acres of ground, and are among the most uptodate in the West.

Lancaster, Pa.

Peter Brown has remodeled three of his houses, making them all into one; and has built two new houses, 18x92, as stock houses for his Geraniums. All remodeling and new work is made of concrete. His range now consists of 24,000 sq. ft. of glass, devoted entirely to Geraniums, mostly of the standard varieties. A new Geranium is one which is a sister of the variety Perkins, having the same leaves, but the bloom is somewhat darker; it looks as though it would be a good seller for the wholesale trade. All stock is in the best condition and shows great promise for the coming Winter. Mr. Brown has over 1,000,000 Pansy plants of the better strain, and a number of new varieties which he obtained in Europe last year, and which will be put upon the market this year. A number of them are in separate colors, one of them is blood color and very handsome; he has a large number of the Emperor William, Giant Yellow, Masterpiece, etc.

Albert Herr has remodeled a large section of his range and is putting same into first-class condition. He has taken over the business of his father, Daniel K. Herr, very well known as a wholesale grower of Coleus, and will now combine the business with the Carnation and Geranium rooted cuttings trade. The range now consists of over 60,000 sq. ft. of glass.

Among the visitors reported recently were Henry Lynch and family of West Grove, Pa., who traveled by auto.

Francis Bachler, 309 N. Shippin st., has done considerable repairing, and changed his heating system from steam to hot water, using the Hunting well system; new benches have also been installed. One house is devoted to Begonias, the balance to 'Mums, Sweet Peas, Carnations, and potted stock. Leonard Bachler, the father of Francis, was one of the pioneer growers of Lancaster County, having started here in 1836, after spending a few years with Dreers of Philadelphia. Mr. Bachler is one of the unfortunates troubled with poisoning by Primula obconica, and finds great relief from the trouble through generous use of hot water, the remedy being simple and sure.

Enos W. Kohr is just finishing up two houses, 275x38 ft., devoted to Sweet Peas and Carnations. All of his range was built from original ideas of his own, embracing a number of original devices. All benches and supporting posts are made of concrete, with chicken wire as reinforcement. Two new 40 h. p. boilers have been installed, making four boilers to this range.

Frank L. Kohr has installed the Skinner irrigating system, and finds same all that it is claimed to be. The Kohr range is devoted to White Perfection, Victoria, and O. P. Bassett Carnations, Sweet Peas and salad, while along the edges of all benches is grown a quantity of Parsley.

J. P. Seibold of 950 East Orange st. is still at the old stand hustling along in the local markets and working early and late. He is giving up the retail business to some extent and intends to devote the entire range to the propagation of Geraniums. At present he has a large number of 'Mums and reports he had them on Decoration Day. They are growing Asparagus, Sweet Peas and Carnations. He has an unusually fine stock of Decorator Geranium which is an improvement over Ricard. Another good variety is Dagata. A large number of cuttings of both these and the standard varieties are well under way.

Edward V. Hardy of 914 Manor st. is about to install a lot of new machinery so that he can increase the output of pots to the local florists.

E. B. Trout of Stroudsburg, Pa., built 5,000 ft. of glass some two years ago, which is utilized in Carnations, all of which he ships to Philadelphia. Mr. Trout has the reputation of being an expert Aster grower, having produced some very fine blooms the past season.

Rudolph Nagel of West End ave. reports that his houses are free from disease of any kind, and his stock vouches for it. A new house has been erected here this Summer, for propagating Geraniums; it is 120 ft. long, with concrete sides walls. A large cellar has been dug under one end of the range and a Kroeschell boiler has been installed. This boiler is to be used during the Fall merely to take the chill off the houses, and as an auxiliary boiler during real cold weather. Mr. Nagel has a very attractive place, the walks and lawns being set out to Coleus. Business is reported as being very good at this season of the year, especially in Pansies and Geraniums. P. M. R.

New Bedford, Mass.

Towards the latter part of the week business was very good. Carnations are now coming in of good quality, and retail at 50c. per doz. Roses of good first class stock retail at $1.50 per doz. 'Mums retail at $2.50 per doz. Violets sell fairly well considering the warm weather we are having, retailing at 75c. per 100. Good Snapdragon retail at 75c. per doz. Candytuft and Alyssum help out well.

All flowers outdoors have not as yet been killed by frost. We have had one or two quite cold nights, with just a skimming of ice, but not enough to kill everything. Dahlias are still in full bloom. Hardy 'Mums are commencing to bloom. We are having grand weather though we need rain badly.

A. B. Hathaway is just commencing to cut early Sweet Peas, varieties Xmas Pink and Boddington's Snowbird.

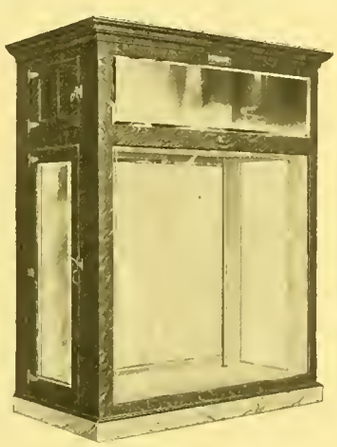
Wm. E. Mosher and H. A. Jahn are cutting some fine Violets. Mr. Jahn has some promising seedling Carnations at his place on Brock ave.

R. H. Woodhouse has his Carnations and 'Mums in good shape; he has a quantity of short white 'Mums for design work.

E. G. Davis is cutting some good Whitmani Fern fronds for shipping.

The uptown stores are making nice window displays these days.

Wm. P. Peirce is cutting some good early 'Mums. HORTICO.



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You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.
267 Lake Street Kendallville, Ind.

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ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN**, $6.00 per 100.

Grafted, Fine Stock

WHITE KILLARNEY and **PINK KILLARNEY**, strong, two year old plants, from field, $15.00 per 100.

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

GOLDEN GATE, KAISERIN, and **RICHMOND,** from 3¼-in. pots, $17.00 per 100.

ASPARAGUS

SPRENGERI, from 3-inch pots, $6.00 per 100.

SPRENGERI, from 2¼-in. pots, $4.00 per 100.

POINSETTIAS
From 3-in. pots, 10.00 per 100.

CANNAS, 30 varieties, strong, field clumps, $2.00 and $2.50 per dozen, $15.00 and $20.00 per 100.

Send for Catalog.

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinisporas, Arbor Vitae, Colorado Blues, etc.

Also in **Catalpas, Birches, Planes, Poplars, etc. Evergreens** are dug with balls. **Very large Privet.**

THE F. E. CONINE NURSERY COMPANY, Stratford, Conn.

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Ferns

Ferns From Bench

Boston, for 3-in. 6c., 4-in. 10c.
Elegantissima, for 3-in. 6c., 4-in. 10c., 5-in. 12½, **Runners,** $10.00 per 1000.
Whitmani, 5-in. 15c.
Amerpohli, 3-in. 8c., 4-in. 12c.; **Runners,** $15.00 per 1000.
Scottii, 3-in. 6c., 4-in. 10c.
Giant Snapdragons from field, red and yellow, $1.00 per 100.
Rubbers, fine stock, 5-in. 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE HOLLYHOCKS, field-grown; white pink and red., $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
GIANT PANSIES, Bugnot, Cassier, Odier, etc., mixed, guaranteed A1, $2.50 per 1000.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100.
FEVERFEW, Gem, 2-in., $2.00 per 100.
SALVIA, Bonfire, Zurich and **Splendens,** 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.50 per 100.

Cash with order.

BYER BROTHERS
CHAMBERSBURG, PA.

Please mention the Exchange when writing.

Look!Look!Look!

6000 Field-grown **VINCAS,** fine, 1st size, $4.00 per 100; 2nd size, $3.00 per 100. Cash with order please. Also, 500 **Whitmani** and **Elegantissima FERNS,** at 15c., 20c., 30c., 40c., and 50c. each.

Will exchange for good **Winsor, Bencon, White Enchantress** or **Rose Pink Enchantress Carnations.**

W. T. HILLBORN
Newtown, Bucks Co., Pa.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 13 varieties, mixed, fine plants, $5.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $6.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 5-6-7 in. pots, **Boston, Scottii** and **Whitmani, Elegantissima,** etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including **Little Beauty** and **Storm King,** $2.50 per 100.
GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

Washington, D. C.

With temperatures ranging well in the 80's during the day and proportionately high at night, both business and plant life has been affected. Another drought is on, and telling on the late Dahlias. No frost has been seen thus far. The Cosmos season has about closed, that crop having practically been wiped out by lack of rain. 'Mums are coming in more freely each week and there is a corresponding improvement in length of stem and size of flower.

Jno. M. Allen sent in the first Halliday 'Mums shown, from a fine bed he has grown inside.

Daulphin Bros. of West Livingstone Heights, Va., are bringing in a fine lot of mixed 'Mums. Their Carnations are also in fine shape and flowering freely.

The S. S. Pennock-Meehan Co. is preparing for an unusually large Winter trade, and in anticipation is making various improvements to its store. The cellar is being transformed into a cold storage plant. W. E. McKissick of Philadelphia has come to Washington to assist in the business, and is preparing to locate his family here also. The company has acquired, recently, quite an addition to its list of consigners, and from one of them has obtained a shipment of excellent white Dendrobiums.

W. W. Kimmel has completed his new store.

A. J. Phillips has put in a large bay window and otherwise improved his store.

The new market house at 14th st. and Park road will open Nov. 1. It is understood the stands will be elaborately fitted up with marble slabs. Two local florists, Thomas and Slye, and Frank L. Shultz will occupy space there.

J. R. Freeman is showing some fine Perle Roses and 6-in. Pteris, of his own growing.

Gude Bros. Co. is cutting some fine 'Mums.

Myer & Leapley report business very good; they are disposing of a good many bulbs and Ferns.

F. H. Kramer is conducting a special bulb sale. JAS. L. CARBERY.

New Orleans

Most of the Chrysanthemums grown in the vicinity of New Orleans for All Saints Day are already under cover; this is sometimes made of unused hotbed sash but oftener of unbleached sheeting. The method usually pursued here is to plant the 'Mums out of doors and, toward the Fall, to build light temporary wooden frames to support the sashes or sheeting, under which the flowers develop as nicely as if grown entirely under glass. As usual, there are enormous quantities grown to supply the demand for this particular day, but I think, on the average, they are not up to the usual standard; this might be partly attributed to the unusual cold wet weather which prevailed early in the Fall.

Otto Abele, who recently returned from Europe, speaks highly of horticulture on the other side; the improvement in such plants as Begonias, Gladioli, Dahlias, etc., in the last few years, he says, is something astounding. He had the pleasure of seeing several acres of Pfitzer's new Gladiolus Europa, said to be the finest white in existence, which is to be placed on the market this coming season. Mr. Abele is one of the firm of Abele Bros., the other partner being Paul Abele. They do an enormous shipping business and carry a stock of nearly everything that could be called for in the South. Their stock at the present time is in the pink of condition, but it was a mystery to the writer where they could place it all for the Winter.

Henry Kraak, who, for some years, has had charge of a private place, has formed a partnership with Louis Buchner of the Nashville Ave. Nurseries; they have an extra large crop of 'Mums this season principally Robinson.

Mrs. Carrie Rehm, who will confine her energies to the Napoleon Ave. place, which she has renamed "The Rosebank," has a nice showing of Ferns and other decorative stock, and carries a fine stock of the high grade flowers which such a location calls for. "Rosebank" being situated in the bon ton garden district of New Orleans. CRESCENT CITY.

Publications Received

THE POTATO AS A TRUCK CROP, by L. C. Corbett.—Farmers' Bulletin 407 of the U. S. Dept. of Agriculture.

NOTES ON VARIETIES OF TOMATOES, by C. C. Newman and TOMATO DISEASES, by H. W. Barre. Bulletin 153, issued by the So. Carolina Agri. Exp. Station, Clemson, S. C.

THE TREE—NATURE'S BEAUTIFUL GIFT: Its Requirements.—This is a pamphlet written by Lewis H. Wise, forester and landscape architect of Jersey City, N. J., and is addressed to "All lovers of trees."

EXPERIMENTS WITH PHLOXES.—Bulletin No. 31 of the Nebraska State Hort. Society. The bulletin was written by C. S. Harrison, an expert grower, and covers local and climatic influences, time of planting, experimenting and how to produce new varieties.

EXPERIMENT STATION WORK, LIX.—Farmers' Bulletin 419 of the U. S. Dept. of Agriculture. This bulletin contains an article on seed disinfection, in which the well-known fact is reaffirmed that many destructive diseases of farm crops are introduced by way of the seed and remedial operations are suggested therefor.

AGRICULTURAL GRAPHICS: UNITED STATES AND WORLD CROPS AND LIVE STOCK.—Bulletin 78 of the Bureau of Statistics, U. S. Dept. of Agriculture. The showing in graphic form here made of comparative crop areas and cattle production throughout the world will be found of greatest interest to students and others.

St. Louis Florists' Club Meeting

The regular monthly meeting, held Oct. 13, was an interesting one for the few members who attended; Secretary Beneke announced that it was the smallest attendance the Club has had for the past two years. John M. Connon, the new president, was in a happy frame of mind and expressed his hope that the next meeting of the Club would be largely attended and make up for what this one lacked in numbers.

The meeting opened with the reports from the trustees and bulletin committee. The following florists made application for membership: M. F. Widmer, of Highland, Ill., Hugo Gross, Kirkwood, Mo., G. N. Thost of De Soto, Mo., and Alex P. Geranios, St. Louis. An investigation committee was appointed and their election will follow at next meeting. On motion, Fred H. Weber was recommended for State vice-president of the S. A. F. in Mo. East. All delinquent members who have not as yet paid their last year's dues were given one more month's time to pay up or be dropped. On motion, it was decided and the trustees so instructed, to arrange for an entertainment and lunch to be given to the visitors who will attend the flower show next month. This is to be given the night after the Club meeting, Nov. 10, at some nearby café. The arrangements are entirely in the hands of the trustees with no limit to expense.

Henry Junneman showed a handsome vase of fancy blooms of Dahlias, of which he is a large grower out in Webster Park, Mo. W. C. Young brought up the question of the local coal market, which became quite interesting to the greenhouse men present. The members should not forget the next meeting of the Club on Thursday afternoon, Nov. 10, 2.30 o'clock. ST. PATRICK.

G. and F. Club of Boston

A regular monthly meeting of the Gardeners and Florists' Club of Boston was held in Horticultural Hall on Tuesday evening, Oct. 18. Vice-president Peter Miller occupied the chair. There were 200 members and friends present. The report of the entertainment committee was read. The essayist of the evening, Edward MacMulkin of Boston, was then introduced by vice-president Miller, as a member of the Club for many years, one of the best trained retail florists in the city, and one who had had almost the longest experience of anyone in his line in Boston. Mr. MacMulkin was warmly received by the members, and read a paper on "The Retail Florist" as printed elsewhere in this issue. The writer likes a man who is not afraid to tell his audience what he thinks and believes, and this is just what Mr. MacMulkin did. Mr. MacMulkin deserves much credit for his courage and frankness.

A lively discussion followed the reading of the paper, in which the following gentlemen took part: Peter Fisher, George Anderson, Thomas Westwood, Patrick Welch, Duncan Finlaysnn, W. N. Craig, Robert Cameron, John T. Butterworth and William Kennedy. Mr. MacMulkin was accorded a rising vote of thanks for his most instructive paper.

After a recess for refreshments, the report of the entertainment committee was taken up and discussed at great length.

There were eighteen new members elected, which is the largest number elected on one night for some time past. This in itself is good evidence that the Club is full of life and vigor and that it is to do some good work this Winter.

There was an excellent and instructive exhibition of cut flowers and plants, and the following awards were made: Vase of Cosmos Lady Lenox, from W. N. Craig, vote of thanks; vase of Chrysanthemum Pacific Supreme, from W. N. Craig, vote of thanks; vases of Cattleyas Portia, Bowringiana and labiata, from W. N. Craig, vote of thanks; collection of Orchid flowers from Paul de Nave, vote of thanks; vase of Carnation Variegated Seedling No. 106, from Peter Fisher, award of merit; collection of Chrysanthemums grown in 6-in. pots, from Daniel White, cultural report of merit; vase of Chrysanthemum Glory of Pacific, from Duncan Finlayson, vote of thanks; plant of Begonia Gloire de Lorraine, from W. W. Edgar Co., honorable mention; one Lettuce Sutton's Supreme, from C. Walker, vote of thanks.

The meeting closed at 10.30 p.m. after spending a most pleasant and instructive evening. Just at the close of the meeting William H. Elliott exhibited a new variety of Killarney Rose with striped flowers. He also exhibited another interesting Rose called Mrs. Wadell. R. C.

ANN ARBOR, MICH.—John Quincy, a florist, who recently sold a large plot of land and retired from business, is missing.

NEW ROCHELLE, N. Y.—Bassi & Roy recently opened a new store, with a full line of florists' supplies, at 202 Main st.

Special Plant Offer

Pandanus Utilis, specimen plants, 6-9 in. pots, 50c.-$4.00 each; 2-in. pots, $6.00 per 100.
Marguerites, 6-7-8-9-in. pot grown, foliage to the pot, fine for Christmas, 35c.-50c.-75c. and $1.00 each.
Marguerites, 2¼-in. pots, $3.50 per 100; 3-in. pots, $6.00 per 100.
Table Ferns, 2¼-in. pots, $3.50 per 100.
Primula Obconica, 2¼-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100, ready for 4 to 5-in. pots.
Double Sweet Alyssum, 3½-in. pots, $4.00 per 100.
Poinsettias, 1 year old stock plants, $20.00 per 100, will produce 4 to 5 flowers for Christmas.
Hydrangea Otaksa, 7-8 in. pots, 6 to 7 branches, 50c.-75c. each.
Campanula, pot grown for forcing, $6.00 per hundred, out of 4-in. pots.
Honeysuckles, 6-in. pots, very bushy, 4 ft. long, 25c. each.
Euonymus Radicans, variegated and green, very bushy, 4½-in. pots, $15.00 per 100.
Euonymus Radicans, strong Summer rooted cuttings, $2.60 per 100.
Virginia Creeper, 6-in. pots, 4 ft. long, 25c. each.
Hollyhock, 4-in. pots, separate colors, healthy stock, $6.00 per 100.
Ivy, Summer rooted cuttings, $15.00 per 1000.
Ivy, field-grown, $6.00 per 100.
All stock strictly first class. Cash with order.

A. L. Miller, Jamaica Ave., opp. Schenck Ave. BROOKLYN, N. Y.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:
FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.
CYCLAMEN Giganteum, 4 and 6 inch, 15c. and 25c. each.
FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.
ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.
SILK OAKS, 4 inch pots, $15.00 per 100.
JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size,	$8.00, $20.00 and $25.00
VINCA Variegata, 8 to 12 vines	5.00
SHASTA DAISIES fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
PRIMULA Obconica and Kewensis, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Guttata, 4 in.	6.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengerl, 2 in., very strong	2.00
45 large field clumps **DAHLIA Jack Rose**, lot for	$8.00.
ABUTILON Savitzii, R. C., by mail	1.50

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengerl, 2 and 3-in., $3.00 and $4.00.
REX BEGONIAS, 2-in., $4.00.
COLEUS, 2-in., $1.00.
SCOTTH FERNS, 2-in., $6.00.
GERMAN IVY, 2-in., $1.50.
DRACAENA Indivisa, 4-in., $10.00; 6-in., $20.00.
VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 6c.; 5-in., 10c.
HELIOTROPE, 3-in., $1.50.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Rochester, N. Y.

Trade has continued good until the last two or three days, which have shown a slight falling off in the demand for stock. It is thought, however, that this will be only a temporary lull and that conditions will improve again. The weather, which has been exceptionally fine has no doubt had some effect.

Chrysanthemums are now coming in good supply, and meet with a fair demand. Carnations are still scarce, however, but will doubtless arrive in greater quantities from now on. Roses, also, show an increase, and enough are coming to meet all demands. American Beauty have been cleaning up in good shape. Violets show a decided improvement in quality and if a warm spell does not come along will, no doubt, continue to improve daily.

Thomas Cogger, for several years engaged in the retail part of the business is seriously ill with typhoid fever, and lies in a critical condition at the City Hospital. He had not been feeling well for some time and owing to his great energy would not give up attending to his business. All his many friends in the trade hope for a speedy recovery.

The various committees in connection with the flower show are working hard and harmoniously, and have matters well in hand; and it goes without saying the show will outdo anything of the kind ever attempted in Rochester.

H. B. STRINGER.

San Francisco

The Market

Market conditions continue to improve daily, and we may now look for an increased demand for flowers. The recent spell of wet weather has been the means of checking the supply of outdoor flowers, and growers of choice indoor stock have reaped the benefit through an increased demand for their flowers. Carnations are remarkably good at present, and growers are getting good returns for their stock. Roses continue to improve daily and some nice lots of My Maryland and Killarney were disposed of in this past week. American Beauty is becoming more plentiful although the quality of the blooms is by no means first class. Chrysanthemums continue to hold their own, and the quality of the blooms has been first class; the recent heavy rains will have the effect of lessening the supply for a day or so, as most of the growers have been cutting the bulk of their stock from outdoors.

Lilies are about finished for the season, so far as outdoor varieties are concerned. In the choice grades of flowers we have an abundance. Cattleyas are in full crop again, and sell well. Gardenias are also to be seen in quantity. Lily of the Valley is plentiful and is disposed of at good prices. Green goods of all kinds are in good supply, with prices a trifle lower.

Various Notes

Louis Schmaus, late of Palo Alto, has taken charge of the A. B. Spreckles estate at Napa.

Domoto Bros. of Elmhurst are sending some fine stock into the San Francisco market these days; their Carnations are looking exceptionally fine this year.

The MacRorie-McLaren Co. has moved its main offices from the Crocker Building to the Westbank Building, corner of Ellis and Market sts.

The Tevis estate, consisting of 150 acres, probably one of the oldest and best known estates in this section, was sold last week to Miss Jennie Crocker of Hillsborough, the purchase price being $350,000.

H. Plath, the Fern specialist, reports that business with him is very heavy at present. A recent visit to his establishment by the writer showed everything in excellent shape and doing well.

The Garden City Pottery Co. reports the present season as the busiest on record for them. Incidentally this goes to show that California from a grower's point of view is still forging ahead.

Podesta & Baldocchii had a most effective display in their windows this week. One window was filled entirely with Cattleya labiata and looked particularly attractive, while the other window was devoted entirely to yellow Chrysanthemums. The display attracted considerable attention.

MACMILLAN BROWN.

MAYSVILLE, WIS.—Miss Ella Naber has sold her greenhouse and business to Chas. Schuhmann. The greenhouse will be removed to property owned by the purchaser on N. Main st.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORIGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 2-in., $6.00 per 100; **Killarney**, 5-in., 35c. each.
DRACAENA Indivisa, 4-in., $10.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Riccard, Buchner, Poitevine, R. C.**, $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 35c. each; 5-in., 35c. each.
FERNS, Boston, 5-in., 35c. each.
VINCA Variegata, 2-in., $2.00 per 100.
Cash with order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the best.

S. A. Nutt	$11.50 per 1000
Poitevine	14.00 per 1000
Ricard	14.00 per 1000

All sold until December. Expect to have about 75,000 ready week of December 12. To be sure of December delivery better get your order placed now.

COLEUS

As fine a collection as any in the world, can furnish them by the 100,000 in season, now if you want them.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cutings, Ready Now.

3000 **S. A. Nutt**, $1.25 per 100, $10.00 per 1000.
2000 **Poitevine**, $1.50 per 100, $13.00 per 1000, fine stock.
2000 Mixed, $10.00 per 1000.

BEGONIA SEEDS

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties; trade packet $1.00.
Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Geraniums

All Rooted Cuttings we shall have, booked for October; **with the exception of MADAME BUCHNER.**

CASH WITH ORDER.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.
Terms cash.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner**, $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulio**, $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner**, $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffeltii** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa

Please mention the Exchange when writing.

GERANIUMS

Orders all booked until November 20th for **Nutt, Ricard, Poitevine** and **Castellane.** Orders booked now for the following, **Buchner, Doyle, Viaod, Grand** and **Jaulin**, at $10.00 per 1000. **Cash with order.**

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings ready last of October. **NUTT** and **BUCHNER**, $10.00 per 1000.
POITEVINE, RICCARD, DOYLE and others, $12.50 per 1000.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Gorgeous Iris

FOR FALL PLANTING

	Per 1000
GERMAN	
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling	26.00
PARKMANI. Uprights pure lemon; falls white veined purple	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00
JAPAN OR KAEMPFERI	
Double	
GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson	50.00
Single	
APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.
8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

5,000 GOVERNOR HERRICK VIOLET PLANTS

Strong, Healthy Stock; $3.00 per 100, $25.00 per 1000.

Cash with Order.

NIKOLAUS HOFMANN, NANUET, (ROCKLAND COUNTY,) N. Y.

Please mention the Exchange when writing.

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.60 per 1000, $10.00 per 5000.
DAISIES (Bellis) and **FORGET-ME-NOT,** the same as Pansies.
PARSLEY, CELERY and **CABBAGE PLANTS,** $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

20,000 Violet Plants

Strong, healthy, field-grown plants, of Marie Louise, Farquhar, La France and Princess of Wales, $5.00 per 100, $46.00 per 1000.
Also a few hundred of the New Single VIOLET BOSTON, $10.00 per 100.

RICHARD LANGLE, WHITE PLAINS N. Y.

Please mention the Exchange when writing.

EIGHT THOUSAND

Violet Plants

Healthy, Field-Grown Plants

LA FRANCE, $5.00 per 100, $45.00 per 1000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

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ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

LAGER & HURRELL
SUMMIT, N. J.

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ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

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PRINCESS OF WALES
Violet Plants

Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

Asparagus Plumosus Nanus

2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES
29 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS

Strong, healthy field-grown clumps, now ready, none better, satisfaction guaranteed. No. 1 plants, $4.00 per 100; $35.00 per 1000. Packed to carry safely.

CHARLES BLACK
Florist and Nurseryman, HIGHTSTOWN, N. J.

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VIOLETS—VIOLETS

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

FERNS

Very Heavy Stock—All Pot Grown.
SCOTTII, 4-inch pots, $15.00 per 100; 6-inch pots, $40.00 per 100.
SCHOLZELI, very fine, 4-inch pots, $20.00 per 100.
TODEAOIDES, 4-in. pots, $15.00 per 100.
PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa.

Please mention the Exchange when writing.

FERNS READY NOW

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

CATTLEYA SUPERBA ORCHID PLANTS

Another consignment expected to arrive about October 25. Sold in lots to suit purchasers, who should book orders early to prevent disappointment. Orders solicited for any South American varieties.

COLIN CAMPBELL, 2 Riverview Terrace, Foot of East 58th St., New York City

Please mention the Exchange when writing.

Cheap Palms

PHOENIX RECLINATA, beautiful specimen from 8, 9 and 10 in. pots, $2.00 and $2.50 each. From 12 in. tubs, $3.60 each.

LATANIA BORBONICA, strong, healthy, outdoor grown, dark green, ready for 2½ inch pots, $1.50 per 100, $12.00 per 1000. Express prepaid.
WASHINGTONIA ROBUSTA, fine stock from 6 inch pots, ready for a shift, 50 cents each, $4.50 per dozen.

AVENUE FLORAL CO., New Orleans, La.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Ferns for Fern Dishes, strong, healthy, bushy, full grown 2¼ inch stock, in best assortments, $3.00 per 100; $25.00 per 1000; 5000 for $100.00.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 26,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted. (100 plants equal a flat.)

(Satisfaction and safe arrival guaranteed or money refunded.)

Cibotium Schiedei. The grandest, most valued Fern in cultivation, 3 inch, $5.00 per dozen, $40.00 per 100; 4 inch, $8.00 per dozen, $66.00 per 100; 7 inch, $2.60 each, $27.00 per dozen.

Dicksonia Antarctica. Another graceful, most decorative Tree Fern, rapid grower, and good keeper; strong, 3 inch stock, $5.00 per dozen, $40.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 50c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

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Fine stock in two-inch pots, now ready for shipment, $3.00 per 100.

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One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

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2½-inch $30.00 per 1000.
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COCOS Weddelliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.
ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.
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CIBOTIUM Schiedei, in various sizes, always in stock.

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IN THE BEST EIGHT (8) VARIETIES

108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready. 20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

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These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

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FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $5.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.
COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.
KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.
NEPHROLEPSIS Scottii, large plants, 7-in. pots; $1.00 each; 8-in., $1.25 each.

FRANK N. ESKESEN, Madison, N. J.

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BOSTON and WHITMANI

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2½-inch pots, $30.00 per 1000

100 at the 1000 rate.

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WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.
BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL I. BURGEVIN, North Regent Street Port Chester, N. Y.

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Fine, for 5-in. pots, $20.00 per 100.

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The American Carnation

PRICE, $3.50

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Announcement to the Retail Trade

MY ENTIRE CUT OF CARNATIONS FROM 100,000 PLANTS
WILL BE ON SALE EVERY MORNING AT

M. C. FORD'S

121 West 28th Street NEW YORK CITY

My wagon arrives there daily at 7.30 A. M.

H. HESSION, *CARNATION GROWER* Flatbush, Brooklyn, New York

Please mention the Exchange when writing.

New York

This is an age of progress, and one of the indications of this is the electric sign. Other merchants have electric signs and why should a wholesale cut flower merchant not have one? Very soon the short Winter days will be here, and it will not be light till eight o'clock in the morning, and the darkness will come on by 4 o'clock p.m., especially on cloudy and stormy days. "The tunnel station at the corner of West 28th st. and Sixth ave. will be opened about Dec. 21, and when either a grower or retail florist steps out of the station and looks up toward 110 West 28th st., what should be there to guide him to the old-time quarters, where cut flowers of all kinds can always be found? Why! an electric sign, of course. And that is just what I will have," said J. K. Allen, recently, and he has one. When J. K. turns on the light the legend "J. K. Allen, Florist" appears, and the store cannot be lost sight of.

M. C. Ford, 121 West 28th st., is now receiving from Myers & Samtman, Chestnut Hill, Philadelphia, some exceptionally fine American Beauty and My Maryland Roses, also shipments of their new pink Rose Hilda. The Chrysanthemums also now received by Mr. Ford from Robert and John Leach, Jersey City, N. J., are some of the very best coming into the New York cut flower market. The cut of Carnations from 100 000 plants in the greenhouses of H. Hession, Brooklyn, L. I., are also handled entirely by Mr. Ford.

Among some of the many novelties recently seen at Reed & Keller's, 122 West 25th st., were some beautiful imported wreaths from Paris. These come in purple and red. One style is made up of Statice, interspersed with buds of red and purple Everlastings; others are composed of two-thirds purple or red Cape flowers, and the remaining third of Statice tied with ribbon to match. Among the novelties in wire goods for the maker-up of designs, is a wreath hanging from a stand and a broken heart hanging from the wreath; the wreath to show respect for the dead, and the broken heart to show the grief of the living. Another very ingenious device in the wire line is an "adjustable wreath stand." This stand can be raised and lowered, and the table-like top, which stands at as angle with the standard of the stand, can be made larger or smaller by an easy adjustment. This adjustable stand serves two purposes: first, it will hold securely at any desired height a wreath, while the florist is making it up; and, secondly, it can be used to hold and show to much greater advantage the ordinary flat wreath, as well as being suitable for use over and over again for either purpose. This stand is now offered for the first time to the trade.

Frank S. Hicks, recently with Robert G. Wilson of Green ave., Brooklyn, has again joined the wholesalers, by entering into the employment of the S. S. Pennock-Meehan Co. at its New York store, 109 West 28th st.

Traendly & Schenck, 131 West 28th st., are receiving an exceptionally choice cut of Carnations, including such varieties as Mrs. C. W. Ward, Pink Delight and Enchantress.

Retail florists' window displays may be divided into two classes. In one class the advertising feature is very pronounced in a display of a sample of everything in the icebox, with little attention to the artistic in arrangement or color. In the other class a color scheme is followed out, and the artistic feature is the principal one in the display, the advertising feature being merely incidental, the beautiful window display, of course, suggesting that there are florists of taste inside the store, and a full supply of quality flowers. A window display of this latter kind, one of the most beautiful and artistic seen lately in New York, was recently observed at Wadley & Smythe's 491 Fifth ave. The arrangement was by William Kather. The color scheme was yellow. The background and center were entirely filled with some elegant blooms of yellow Chrysanthemums, all of the same variety. The foreground was flanked on the one hand by Chrysanthemums of the same kind, and on the other by a large group of Oncidium varicosum Rogersii. Between these were moss baskets of Cypripedium insigne, and others filled with yellow Roses, and Daisies of the same color. Words only give a hint of the artistic arrangement and effect as a whole. If the flower buying public lacks taste, educate it. The retail florist can do this, and please those who have good taste at one and the same time.

Myer, of 909-911 Madison ave., has secured the contract for continuous decorations at the O'Donnell restaurant and café on Broadway between 60th and 61st sts., where he furnished recently the opening decorations. These continuous decorations in part are as follows: 40 large Kentia Palms with lattice work pot covers are placed on Teakwood stands. The 100 restaurant tables are kept furnished with fresh flowers. On the inside of the balcony are continuous window boxes, filled with bright colored foliage plants and Whitmani Ferns, and vines of English Ivy. On the outside of the balcony are fifteen fine specimens of Retinispora plumosa and R. plumosa aurea in fancy paneled imitations of sandstone tubs. At the sidewalk continuous window boxes follow the conformation of the building; these are filled with pyramid and bush Boxwoods. The contract is a large one, and the work is well done. The stands, window boxes and tubs were furnished by the Forster-Mansfield Mfg. Co., 145 West 28th st. The Kentia Palms and English Ivies were furnished by the Secaucus Exotic Nursery, Secaucus, N. J., and the Whitmani Ferns by Lehnig & Winnefeld, Hackensack, N. J. "Give the people who manufacture the window boxes, etc., and grow the plants, credit for their part of this work," says Myer.

M. A. Bowe, 1294 Broadway, is opening up his new temporary store at 60 West 33d st., but he will also continue doing business at the old stand until the demolition of the building is imminent.

E. Weir is still very sick at his Jamesport, L. I., home. A recent blood analysis shows that he is afflicted with bilious-malarial fever, and not typhoid.

Owing to the extreme drought which has, of course, adversely affected the field growth of stock bedding plants such as Geraniums, Coleus, etc., the supply of field cuttings, from reports so far received, would seem to be only half what it normally is. Certainly, under such conditions, it is advisable for those handling bedding plant cuttings to supply their needs without the least delay.

One of the pair of beautiful black horses used in the delivery service of Robert G. Wilson, Brooklyn, died last week. The horse was a very valuable one.

A meeting of the Horticultural Importers' Association was held Oct. 13 in this city. This Association was formed about three years ago and includes in its membership most of the large import houses.

John King Duer's store at 644 Madison ave. is closed, and Mr. Duer is out of business.

The entire stock of Palms and other ornamental plants recently shown at the Grand Hotel, 31st st. and Broadway, by John Ruppert, New York salesman for Henry A. Dreer, Philadelphia, Pa., was purchased by Alexander McConnell, 571 Fifth ave. Mr. McConnell has recently added to his store force of salesmen a son of Ernst Wienhoeber, one of the leading Chicago florists.

William Hendberg, son of M. Hendberg, the Hoboken florist, recently celebrated his twenty-fifth year in his father's business. His son Raymond is now active in the store, making three generations employed in the business.

The auction sale of the property of James Weir's Sons, at Fifth ave. and 67th st., Brooklyn, N. Y., including real estate, stock and good will of the business, took place on Wednesday, Oct. 19. Wm. Elliott & Sons were the auctioneers, and there was a good attendance. The real estate was withdrawn. The good will of the business was bought by James Weir Jr. The plants, horses and wagons were sold at fair prices.

Bowling

The N. Y. F. C. Bowling Association will on Friday of this week bowl for a handsome silk umbrella from an anonymous donor. The bowler making the score nearest to 100 pins is to be the winner.

The Astoria Florists 'Bowling Club scores at its meeting on Oct. 13 were as follows:

Dorhoefer	165	142	159	124
Donaldson	193	205	167	180
Einsmann	154	135	150	174
Kessler	213	139	128	173
Jacobson	119	133	125	178
Edmonson	125	127	114	105
Lorenz	159	183	131	...
Meiseur	156	191	141	182
W. H. Siebrecht	180	162	150	133
H. Siebrecht	164	140	117	...
Bleckwenn	110	157	148	124
W. H. Siebrecht, Jr.	...	...	129	...

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WHOLESALE FLORISTS
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NEW YORK, Oct. 19.—It would be pleasant to say something cheerful about the condition of the cut flower market today, but it cannot be done without utter disregard for the truth. The market began to go slow some days ago and today the movement of all stock is truly snail-like. The continued warm weather has caused an overloading of the market with all outside grown and greenhouse stock.

American Beauty Roses are abundant, and a clean-up is brought about only at low prices, if at all. Specials today are selling at from 12c. to 15c. and No. 3 at from 75c. to $1. Other Roses of all kinds are very plentiful; the demand is slow, and a clean-up is nearly impossible, even at slaughter prices. The choicest blooms of Killarney, My Maryland, Richmond, Kaiserin, Bride and Bridesmaid fetch occasionally 5c. each. Few blooms, however, realize over 4c. and the lowest grades are selling at 50c. per 100.

Carnations are abundant, and the quality for the season is all that can be asked for, but the demand is so light that the prices of last week cannot be realized today. A few choice blooms possibly fetch 3c., but this is exceptional and in most sales 2c. is the top price.

The supply of Orchids is about the same as last week, and with a diminished demand prices are down, the very choicest Cattleyas realizing no more than 40c. each. The Gardenia supply is increasing, but the improvement in quality increases neither the demand, nor the price, which ranges from 50c. to $3 per doz.

Lilies are unseasonable, and are down and out, killed nearly by white 'Mums at low prices. The supply is away beyond the demand, and when sales are effected it is at 4c. to 5c. each. Lily of the Valley is not over abundant, and with a moderate demand the price ranges from $1 to $3 per 100.

The market is over supplied with 'Mums, in all grades. Many varieties are seen, and the quality of some is excellent, but it seems impossible to move them all. Top grade blooms with difficulty realize $2.50 per dozen; $1 to $1.50 is the price for good blooms in most sales.

The Dahlia fields of New Jersey still send an abundant supply of blooms, but shipments have been wisely curtailed, and the moderate numbers now arriving move very sluggishly at 50c. to $1.50 per 100.

Violets are over abundant, and cannot be cleaned up even by selling them to the street vendors at $1 per 1000.

The supply of all greens is abundant, and they feel in a measure the general depression of the market, moving sluggishly with little change in price.

PHILADELPHIA, Oct. 17.—Conditions in the cut flower market differ so little from those of last week that few remarks on the general state of the market are necessary. There is no boom in prices, indeed, on the whole, there is a little tendency toward downward prices.

American Beauty Roses are fairly plentiful, and are moved without undue urging, but at no advance in price. Specials are bringing, in the smaller sales, 30c. each, and in larger quantities about 25c. each. All other Roses are more abundant than last week. The supply of white Roses is not quite as abundant as that of pink Roses, and the demand for that color is a little stronger, consequently they clean out first. As to preference, it is about an equal choice between Kaiserin and white Killarney. Bride and Bridesmaid must show considerable improvement before they again become favorites with buyers. Killarney and My Maryland sell about alike. The top price is 8c. each for Killarney, My Maryland, Richmond and Kaiserin, and 6c. each for Bride and Bridesmaid, Golden Gate and Perle, for the very choicest blooms of each. The lowest grades of each sell for $2 per 100.

The Carnation supply is sufficient to meet every demand, and flowers are not moving over briskly, both on account of the prolonged Dahlia supply, and the arrival in the market of bunches of white 'Mums, which sell at a lower price than the white Carnations, and can be used for making up purposes; the choicest blooms realize 3c. each.

Orchids are not quite as plentiful as last week, but there is no increase in the demand and it is found impossible to realize any better prices than those last quoted; viz., 50c. each for choicest blooms of Cattleyas and Dendrobiums, 3c. each for Oncidiums, and $2 per doz. for Cypripediums. Gardenias are not so abundant, but the demand and price remain unchanged; top grade blooms bring about $3 per doz.

There are more than enough Lilies to satisfy the sluggish movement, and while a few may reach the $1.50 per dozen mark, most sales are at $1 or even less.

Lily of the Valley is quite plentiful, are sales are not over brisk. Some fancy stock realizes $4 per 100, but $3 is the highest mark in most sales.

There is no great increase in the variety of 'Mums, but there is in the quantity, and the quality, too, is good for early blooms. They are selling as well as can be expected, with cheap Dahlias still arriving.

Of Dahlias, too many are arriving, because buyers are tired of them apparently; at any rate, many of them remain unsold even at the low prices at which they are offered. From 50c. to $3 is the range of price per 100, with very few realizing more than $1.50, and many going into the barrel.

Bouvardia, in different colors, now claims a place, and is selling at from $2 to $3 per 100. All greens are moving a trifle better but with no change from the quotations of last week.

BOSTON, Oct. 18.—The market has not changed materially since last week, although the difference, if anything, is in the line of improvement. Roses are plentiful and of good quality, but prices have a downward tendency. Killarney Roses, pink and white, are most in demand, although Mrs. Aaron Ward is a great favorite and there is never any surplus of stock.

Carnations are increasing in numbers rapidly, and prices are lower, ranging from 75c. to $1.50; very choice grades go as high as $2.

Violets are more plentiful, but the quality is poor; the weather is too hot for them; they bring 35c. to 50c. per 100. Lily of the Valley is of fine grade and in fairly good demand. Lilies are not over abundant and the price runs from 8c. to 10c. each.

Smilax is coming in of good quality. Asparagus Sprengeri is good and quite plentiful. The plant trade is active and prices are holding well. Chrysanthemums in pots are plentiful, and as a rule well grown. R. C.

CHICAGO, Oct. 17.—There is not much change in the market as far as price of stock is concerned, but there is a decided change in the quantity of arrivals, which is larger. The demand has been such that every afternoon has found all stock practically cleaned up, the little surplus being made up of poor grades.

Roses are in good supply, and the quality is good. If there is anything short in this line it is short stemmed stock, more of which would be used if available. American Beauty, Killarney, Richmond and, in fact, all kinds of Roses are good enough to please the most fastidious.

'Mums are plentiful, from exhibition sorts down to poor grades. Fancy blooms are moving nicely at $3 per doz., with the common kinds selling at $1 per doz.

Dahlias are still beautiful, the late ones being much better than the earlier; no price is quotable on this stock, as it is sold for what can be obtained for it.

Lilies are not over abundant, still enough can be found to fill orders. Lily of the Valley is reported very scarce; as the demand is brisk at all times the shortage is felt.

Carnations are now in fine shape; the stems are getting longer and stronger each day. They have their quiet days, however, since Chrysanthemums are coming in such quantities; from $2 to $3 per 100 is the steady price. The increase in the demand for Orchids is astonishing; even the dealers remark it. There never seems to be any more than enough to go around. Gardenias are now to be had in limited quantities, and the call for them is increasing; the price is $3 to $4 per 100. Violets are not being noticed much, the weather is too warm and they will not stand shipping.

There is not much to be said about green stock. Asparagus Sprengeri is still reported short, but in all other lines the supply is great.

INDIANAPOLIS, Oct. 18.—To free the market of all grades of flowers was an impossibility during the past week. Bright warm weather caused an unusual amount of both indoor and outdoor material to be offered at reduced prices. Chrysanthemums are coming on quickly and it is difficult to realize satisfactory sales on them; $1 to $2 per dozen for the choicest ones is the customary figure. A return of cooler temperatures will raise these figures to almost double.

Colored Carnations are hard to dispose of at $1 to $2; white ones sell better at the same price.

Home grown Roses are being used to a great extent. The best Bridesmaid, Bride and Richmond are wholesaled for $5 and $6 per 100; seconds bring $2 to $3; shorts, $1 to $2 per 100. Am. Beauty are in fine condition at $5 to $25 per 100, but there is little inquiry for them. Shipped Killarney and Kaiserin Aug. Vic. are liked because of their long stems; $6 to $7 per 100 is paid for them.

Eastern Violets are being regularly received, quite a few spoil in transit but it is impossible to get along without them; home-grown singles sell at 35c. to 50c. per 100.

Harrisii Lilies and Callas are plentiful at $10 to $12 per 100; the retail quotation is $3 per doz. I. B.

ST. LOUIS, Oct. 17.—There was a great increase of cut stock all through last week, especially so with Chrysanthemum blooms; there is nothing extra fancy in these, but the stock is good enough to ask from $1.50 to $2.50 per doz. for the best; shorter stock, from $8 to $10 per 100.

Roses have suffered all week as the demand for them was not steady and were crowded by the Chrysanthemums; a great many Am. Beauty and other Roses were sent to the dump pile. Carnations are not so plentiful, still they suffered some from the same cause; prices on these run from $1 to $2 per 100. Violets are coming in freely but the warm weather had a bad effect on them; they did not bring over 25c. per 100 in small lots.

Cosmos are plentiful at from 50c. to 75c. per 100; there are more in than the demand calls for. Valley and Lilies sell well; Smilax, Galax and Asparagus had a good call all week.

ST. PATRICK.

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Daily shipments of Sweet Peas, in pink, lavender and white.
We still have room for more good stock, and growers not acquainted with our methods and our ability to get the price, will find it to their advantage to do business with
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Felling Trees by Wire

A German inventor has discovered a way to fell trees by incandescent wires. His invention consists of an ordinary steel wire one millimetre in diameter, with a small attachment worked by a motor. The wire saws rapidly and evenly through the tree trunk, being heated to the burning point by the friction. During the first trial of the wire-cutter a tree forty inches thick was cut through in less than six minutes. One of the advantages of this machine is that it cuts a tree close to the ground or in the ground through the roots. It produces steam instead of sawdust, and leaves a clean, smooth cut covered by a layer of charred wood so extremely thin as to show through it the recorded age of the tree.—*Harper's Weekly.*

SCHENECTADY, N. Y.—Julius Eger of 735 State st., is mailing out an attractive post card showing an interior view of his "Schenectady Flower Shop."

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Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
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Wholesale Prices of Cut Flowers, New York, Oct. 19, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	10.00 to 15.00	Inferior grades, all colors	.50 to 1.00
" extra	8.00 to 10.00	Standard Varieties White	1.00 to 1.50
" No. 1	4.00 to 8.00	Standard Varieties Pinks	1.00 to 1.50
" No. 2	2.00 to 4.00	Standard Varieties Red	1.00 to 1.50
" No. 3	.75 to 1.00	Standard Varieties Yel. & Var.	1.00 to 1.50
Killarney	.50 to 5.00	*Fancy White	2.00 to 2.50
White Killarney	.50 to 5.00	*Fancy Pinks	2.00 to 2.50
My Maryland	.50 to 5.00	*Fancy Red	2.00 to 2.50
Richmond	.50 to 5.00	*Fancy Yel. & Var.	2.00 to 2.50
Mme. Abel Chatenay	.... to	(* The highest grades of Sta'd varieties)	
Kaiserin	.50 to 5.00	Novelties	.... to ....
Golden Gate	.... to	Gardenias, per doz.	.50 to 3.00
Bride, Maid, fancy—spec.	4.00 to 5.00	Gladioli	.... to ....
" extra	2.00 to 4.00	Hydranges	.... to ....
" No. 1	1.00 to 3.00	Lilies, Harrisii and Longi.	4.00 to 5.00
" No. 2	.50 to 1.00	Lily of the Valley	1.00 to 3.00
Adiantum	.... to .50	Mignonette, per doz.	.... to ....
Croweanum	.... to 1.00	Narcissus	.... to ....
Antirrhinum (per bunch)	.... to	Orchids, Cattleyas	25.00 to 40.00
Asparagus, cut strings	.25 to .40	Cypripediums, per doz.	.... to ....
Plumosus, bunches	.15 to .25	Dendrobium Formosum.	.... to ....
Sprengeri, bunches	.15 to .25	Pansies, per doz. bunches	.... to ....
Asters	.... to	Poinsettias, per doz.	.... to ....
Bouvardia	.... to	Hyacinths	.... to ....
Callas	.... to	Smilax (per doz. strings)	1.00 to 1.50
Chrysanthemums, per doz.	.60 to 2.50	Stevia, per bunch	.... to ....
Dahlias	.50 to 1.50	Sweet Peas, per doz. bun.	.... to ....
Daisies	.50 to 1.00	Tritoma	1.00 to 1.50
Ferns, per 1000	1.50 to 2.00	Tulips	.... to ....
		Violets	.10 to .25

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For New York News, see page 757

Boston

The weather this week has been all that could be wished for; bright sunny days with cool seasonable nights. Just the sort of weather that suits greenhouse crops of all kinds. Chrysanthemums reign supreme this week everywhere in the city. Wherever there is a retail store, whether large or small, the decorations are largely Chrysanthemums. The crop of 'Mums, so far, is excellent.

Last Saturday Mrs. Robert Montgomery of Natick returned to her home after an absence of three months at Bunting's Island, Me. Mr. Montgomery owns a nice piece of land on the island and has built a beautiful bungalow there.

Alexander Porter of Woburn is one of the first in the market with Sweet Peas, which are of good quality. Last Saturday his cut was 5000 sprays.

A. A. Reed & Son, Whitman, Mass., are sending some excellent Cattleyas to the city at this time. The fine displays of this flower seen in Zinn's windows on Park st. come from this firm.

Thomas Peglar, at the Boston Flower Exchange, is handling some extra fine blooms of Chrysanthemum Rosiere, from the Willow Hill Greenhouses, West Roxbury.

Thomas A. Cox of Dorchester is shipping this week some Glory of Pacific, October Frost and Monrovia 'Mums which show skillful culture.

Norris F. Comley of Lexington grows 80,000 Carnation plants, and reports that the varieties he bought in Chicago last Spring are doing well. He is especially well pleased with the varieties Sangamo and Conquest. Besides Carnations he has 100,000 Chrysanthemums, mostly all white and yellow Bonnaffon. He has, also, two houses of Sweet Peas that are doing well.

J. W. Foster is sending to the Boston Co-operative Flower Market some very good Carnations this week.

Zinn's windows on Park st. are always attractive, but last week especially so. From a plant in one of the windows a small snake crept from its hiding place and began sunning itself in the warmest part of the window. Many persons were attracted to the unusual sight. There was quite a dispute as to whether it was a genuine snake or an imitation. One, more inquisitive than the others, thought that she would go inside and find out. The first person she met was Mr. Chase, the principal decorator of the store, and she asked him, "Is that a real snake in the window or an imitation of one and are you selling them, and what is the price?" Mr. Chase was surprised to discover the snake and now has it continually in the window, in a glass jar.

White Ivory Chrysanthemums of fine quality are the principal flowers J. H. Leach of North Easton is sending to market this week.

B. A. McGinty at the Boston Co-operative Flower Market, is handling some well grown pink and white Killarney Roses, which are grown by W. R. Morris of Wellesley Hills.

George Harbison, superintendent of the Wm. H. Elliott establishment at Brigh-

ton, has just returned from his vacation, which was spent at New Bedford; he thoroughly enjoyed himself and feels much rested.

Ed. Rogean is handling some fine Smilax at the Boston Flower Exchange, which comes from A. N. Pierson, Inc., Cromwell, Conn.

Andrew Christensen of Stoneham has returned from Europe and reports that he had a thoroughly enjoyable time, and saw many things in the horticultural line which interested him very much.

Oncidium varicosum Rogersii, Cattleyas and Vanda Cœrulea are the attractions this week in Galvin's window.

The names which the nominating committee of the Mass. Hort. Society has selected to fill the vacancies which occur in the list of officers this year are: President, Charles Parker; vice-president, W. C. Baylies. For trustees: John A. Pettigrew, Wilfred Wheeler, E. B. Dane, Stephen Weld. The nominating committee is composed of Judge Hoyt, J. B. Shurtliff, Col. Appleton and J. W. Hill.

R. C.

Providence, R. I.

Lawrence Hay of East Providence is cutting fine Cosmos; he reports business good.

S. Kinder & Bro. of Bristol, R. I., have a fine lot of Chrysanthemums coming on and, in general, their stock and place is in fit condition. They have a fine showing of their new seedling red Carnation, a profuse bloomer with excellent color and strong stems; it does not burst the calyx. This variety bids fair to be one of the best, if not the best, red Carnation ever placed on the market.

Samuel Kinder went to Boston on Friday to purchase trees to plant in the streets and parks of Bristol, R. I. Mr. Kinder is city forester there and also has the contract for supplying and planting the shade trees.

John Gerrard of Bristol has a nice lot of Violets and Carnations coming on for Fall and Winter trade.

T. J. Johnston Co. reports a busy week all stock coming in in better condition, including Chrysanthemums, Roses, Carnations, Lily of the Valley, also a few Orchids. Their Roses retailed at $1.50 to $2 per doz.; Chrysanthemums, $2 to $3. They had the table decoration, Saturday last, for the Penn. football team at Narragansett Hotel; 40 covers were laid.

Mathew Macnair gave the writer a vivid description of his trip abroad, illustrating same by views of the many places of interest visited during his trip. It is his intention to make a window display of some of his views in the near future. He says the balconies of the leading hotels in Lucerne are covered with window boxes filled with many choice and rare plants. From London his trip extended to Ostend, thence to Bruges, where he saw many hundreds of acres of bulbs in bloom; thence to Ghent, the Azalea and Orchid district; at Brussels he attended the exhibition; Zurich to Interlaken where he saw a floral clock run by electricity, the outlines and figures in growing plants; thence to Paris, taking in other minor places. His trip was successful from both a business and pleasure standpoint.

Among recent visitors to Providence were J. H. Cushing, Quidnick, R. I.; Wm. Crompton, East Greenwich, R. I.; W. S. Nichol, Hampton Meadow, R. I.

John Sharkey had a slight shock last week while planting trees for the city of Providence; at last reports he was improving. Mr. Sharkey is manager for the Elmwood Nursery of which Geo. Johnson & Son are proprietors; we wish for his speedy recovery. Two carloads of shade trees have been planted.

Johnston Bros., Dorrance st., have a display of cut Dahlias in their show window and report business good.

J. Kopelman received a consignment of Azaleas the past week.

J. A. Budlong & Son are bringing in some nice Roses.

Bark Rose Co. are repairing their office. They are cutting Roses and Violets freely at present.

Wm. Hay of Oaklawn, R. I., also of Clemence st., this city reports business very good; he is cutting Roses which wholesale to the trade.

Cut Flower Quotations

Flowers of all kinds are coming in much better; quality and demand is increasing as most of the outside blooms have been taken by the frost.

Roses: Bride, Bridesmaid, Richmond and Killarney—firsts, $6 to $8; seconds, $4 to $5; thirds, $1.50 to $2 per 100.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Oct. 17, 1910	Pittsburgh Oct. 18, 1910	NAMES AND VARIETIES	Boston Oct. 18, 1910	Detroit Oct. 17, 1910	Cincinnati Oct. 17, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	25.00 to 30.00	20.00 to 25.00
15.00 to 20.00	12.00 to 15.00	" extra	10.00 to 15.00	20.00 to 25.00	12.50 to 15.00
10.00 to 12.00	6.00 to 10.00	" No. 1	3.00 to 8.00	15.00 to 20.00	8.00 to 10.00
4.00 to 6.00	3.00 to 5.00	" No. 2	..... to	4.00 to 12.00	6.00 to 6.00
4.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	..... to	2.00 to 6.00
4.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	3.00 to 8.00	3.00 to 6.00
2.00 to 4.00	2.00 to 6.00	Bride and Bridesmaid	..... to	..... to	2.00 to 5.00
3.00 to 6.00	3.00 to 8.00	My Maryland	..... to	3.00 to 7.00	..... to .....
2.00 to 6.00	3.00 to 8.00	Richmond	2.00 to 8.00	4.00 to 8.00	3.00 to 6.00
2.00 to 5.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	2.00 to 8.00	K. A. Victoria	2.00 to 6.00	4.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	..... to .....
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 60.00	20.00 to 30.00	..... to .....
..... to	..... to	Aster	..... to	..... to	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Calla	..... to	..... to 15.00	..... to .....
1.00 to 2.00	1.00 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
1.00 to 2.00	..... to 2.00	Standard Varieties: White	1.00 to 1.50	1.00 to 2.00	1.00 to 2.00
1.00 to 2.00	..... to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.00 to 2.00	1.00 to 2.00
1.00 to 2.00	..... to 2.00	Standard Varieties: Red	1.00 to 1.50	2.00 to 3.00	.75 to 2.00
1.00 to 2.00	..... to 2.00	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to	..... to .....
..... to 3.00	..... to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to 3.00	..... to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	1.00 to 2.50	..... to	..... to .....
10.00 to 12.50	6.00 to 12.50	Chrysanthemums, ordinary	..... to	10.00 to 15.00	10.00 to 15.00
..... to 25.00	15.00 to 20.00	" fancy	4.00 to 15.00	20.00 to 25.00	20.00 to 25.00
1.00 to 2.00	1.00 to 2.50	Dahlias	..... to	..... to	..... to 1.00
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .15	..... to .....
..... to .15	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to	3.00 to 4.00	Gladiolus	..... to	3.00 to 6.00	..... to .....
..... to 12.00	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	..... to 15.00	..... to .....
..... to 3.00	3.00 to 5.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00	..... to .....
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	60.00 to 75.00	Orchids—Cattleyas	30.00 to 50.00	..... to	..... to .....
..... to	..... to 15.00	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to	..... to	..... to .....
..... to	..... to	Peonies	..... to	..... to	..... to .....
..... to 1.80	1.20 to 1.80	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
..... to	..... to	Tuberoses	..... to	..... to	..... to .....
..... to	..... to	Violets, double	..... to	..... to	..... to .....
..... to	..... to	" single	..... to	.50 to .75	..... to .....
..... to	..... to		..... to	..... to	..... to .....

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SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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Headquarters of Western Pennsylvania Growers

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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

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Carnations, $1 to $2.50. Lily of the Valley, $3 to $4. Chrysanthemums, $5 to $12.50. Violets, 35c. to 50c. All per 100.

Asparagus, 25c. to 50c. per bunch. Adiantum Ferns, $1 to $1.25 per 100. Easter Lilies, $6 to $8.

Hardy Ferns, $1.25 per 1000. Green and bronze Galax, $1 per 100. Imported Magnolias, $2.50; domestic, $1.75 per basket.

H. C. N.

Buffalo

The Buffalo Florists' Club held a meeting on the evening of Oct. 11, at Kasting's Hall, at which about fifty members were present to discuss details for the flower show at Convention Hall on Nov. 2, 3 and 4. More than 25 members announced that they would have exhibits, and outside of the Club exhibits, some will be made by John J. Albright, George Urban and growers from outside of the city.

Plans for the decorations and arrangement of the hall were adopted as drawn by George W. McClure & Son, landscape gardeners. Mr. McClure was on hand to explain the plans, and the members were enthusiastic over them. A special feature of the plans is a house painted on canvas for use as a background, with a garden in the foreground. The Wm. Scott Co. will make a large exhibit, and Anderson and Palmer will make displays.

The Club also passed on designs for posters, but this was left for future consideration.

Philadelphia

H. Brown, of Mann & Brown, Richmond, Va., and E. A. Seidewitz of Baltimore, Md., were recently callers on the S. S. Pennock-Meehan Co. The company reports business on the whole gradually improving and the outlook for the coming season satisfactory.

Edward Reid returned several days ago from his southern trip, which was in every way very satisfactory. Mr. Reid is well and favorably known among the retailers of the South, and is one of Philadelphia's heavy shippers to southern points.

John McIntyre is now receiving heavy shipments of 'Mums in all of the popular varieties. He has enlarged his quarters at Ranstead st., and is looking forward to a busy season.

William J. Baker of South Penn Square promises to give his many friends a chance to shake hands with him in his old quarters next week.

The Leo Niessen Co. reports that it is receiving a good supply of all seasonable flowers, and as regards business it has no reason to complain.

Joseph Pennypacker of Phœnixville, Pa., was a recent caller on the Robert Craig Co. Mr. Pennypacker has been making some substantial changes in his greenhouse range. All woodwork has been torn out and concrete substituted in its place, and a concrete boiler house and potting shed, two stories high, have been erected. Other callers on the Craig Co. recently were Mr. and Mrs. White of the Traymore Hotel, Atlantic City, N. J., and I. B. Coles of Woodstown, N. J. Robert Craig, Sr., has gone to Atlantic City, N. J., for a week or two in the hopes that the ocean breezes will relieve him of the whooping cough, from which he is suffering very severely. The Craig Co. has just received a very large importation of bush and pyramid Boxwoods. The question is frequently raised as to whether business with the plant and cut flower growers is as good as at this same season last year. Apropos to this discussion Robert Craig, Jr., says an examination of the books discloses the fact that the Craig Co. has sold during the last six weeks ten times as many Crotons as during the same season last year. This statement is founded on the record of the books, consequently is not a mere guess.

This is the season of the year when the retail florists are called upon to fill boxes and tubs with hardy evergreen stock, such as will withstand the Winter weather. Of late years Boxwoods have been more and more used for this purpose. The florists are now confronted by the European advance this season of 30 to 40 per cent. in the price of Boxwoods. This advance naturally increases the amount of the duty payable. The retailer in turn is obliged to make a sharp advance in his price to his customers, which he finds it difficult to make them understand. The importers of Boxwoods at the same time are advising retailers to buy at once, as still further advances in price may be made.

Charles Henry Fox, the Broad st. florist, this week is making in his store windows a simple but pretty Dahlia display. In one window are shown Canoe birch tubs filled with single Dahlias and in the other champagne hampers filled with double blooms of the same. The trimmings are red Oak foliage.

J. J. Habermehl's Sons, the Bellevue-Stratford florists, have in their window this week a splendid display of Cibotium Schiedei Ferns and Virginia Poehlmann Chrysanthemums. They have added to their store force at the Bellevue-Stratford recently, Charles Durand from their 22d and Diamond st. establishment. They report decorations this week for several weddings, and believe that there is a good season ahead.

At Pennock Bros., 1514 Chestnut st., the conservatory is well filled with a splendid collection of seasonable plants, and the icebox and store are fully supplied with choice blooms; and the window, as usual, is attractively filled with blooms which mark the onward march of the season. This week it is Chrysanthemums, ranging all the way from some pretty little baskets filled with some choice blooms of the hardy 'Mums and annual Gaillardias, up to vases of the largest and choicest 'Mums which the market affords. A talk with J. Liddon Pennock brings out from him an expression of opinion that the business outlook for the retail florist who is alive to the opportunities of these days, is very good. At this time, indeed, the whole store force is reasonably busy.

EASTER LILIES $1.50 per dozen $10.00 per 100

They are always first quality—never anything else.

CHRYSANTHEMUMS

FANCY, $18.00 to $25.00 per 100
FIRST, $12.00 to $15.00 per 100
MEDIUM, $10.00 per 100
SMALL, $8.00 per 100

ROSES

Pink and White Killarney, Maryland, Richmond, Bride and Bridesmaid,
THE BEST $8.00 per 100
EXTRA $5.00-$6.00 per 100
FIRST $4.00 per 100

CATTLEYAS, $6.00 per doz. | **Bronze Galax,** $7.50 per case

BEAUTIES, THE BEST $25.00 per 100

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Oct. 17, 1910	Buffalo Oct. 17, 1910	NAMES AND VARIETIES	Phil'delphia Oct. 17, 1910	St. Louis Oct. 17, 1910	
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	15.00 to 20.00	
15.00 to 20.00	15.00 to 20.00	" extra	20.00 to 25.00	10.00 to 15.00	
10.00 to 12.50	10.00 to 15.00	" No. 1	15.00 to 20.00	8.00 to 10.00	
6.00 to 8.00	7.00 to 10.00	" No. 2	5.00 to 10.00	—— to ——	
3.00 to 5.00	2.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 4.00	
3.00 to 5.00	2.00 to 7.00	White Killarney	2.00 to 8.00	3.00 to 4.00	
3.00 to 5.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	—— to ——	
3.00 to 5.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 4.00	
3.00 to 5.00	3.00 to 8.00	Richmond	2.00 to 8.00	—— to ——	
3.00 to 4.00	2.00 to 6.00	Perle	2.00 to 6.00	—— to ——	
3.00 to 5.00	—— to ——	Golden Gate	2.00 to 6.00	—— to ——	
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	2.00 to 8.00	—— to ——	
—— to 1.00	—— to 1.00	Adiantum	—— to 1.00	—— to 1.00	
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	—— to ——	
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	—— to ——	
—— to ——	—— to ——	Aster	—— to ——	—— to ——	
—— to ——	—— to ——	Bouvardia	2.00 to 3.00	—— to ——	
8.00 to 10.00	—— to ——	Callas	—— to ——	—— to ——	
1.00 to 1.50	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	—— to ——	
1.50 to 2.00	1.50 to 2.00	Standard Varieties: White	1.50 to 2.00	2.00 to 2.50	
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.50 to 2.00	1.50 to 2.00	
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Red	1.50 to 2.00	1.50 to 2.00	
1.50 to 2.00	—— to ——	Standard Varieties: Yellow and var	1.50 to 2.00	—— to ——	
—— to ——	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	2.00 to 2.50	
—— to ——	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	2.00 to 3.00	2.00 to 2.50	
—— to ——	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	2.00 to 3.00	2.00 to 2.50	
—— to ——	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var	—— to ——	2.00 to 2.50	
6.00 to 10.00	10.00 to 15.00	Chrysanthemums, ordinary	8.00 to 15.00	—— to ——	
15.00 to 20.00	15.00 to 25.00	" fancy	20.00 to 25.00	—— to ——	
.50 to 1.00	1.00 to 2.00	Dahlias	.50 to 3.00	—— to ——	
—— to .10	—— to .15	Ferns, hardy	.10 to .15	—— to ——	
—— to .10	—— to .15	Galax, green and bronze	—— to .10	—— to ——	
10.00 to 15.00	—— to ——	Gardenias, per doz	2.00 to 3.00	—— to ——	
—— to ——	—— to ——	Gladiolus	—— to ——	—— to ——	
—— to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.50	8.00 to 10.00	
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	—— to ——	
—— to ——	.50 to .75	Mignonette	—— to ——	—— to ——	
—— to ——	—— to ——	Orchids—Cattleyas	40.00 to 50.00	—— to ——	
—— to ——	—— to ——	" Cypripediums	—— to 16.00	—— to ——	
—— to ——	—— to ——	Pansies, per doz. bunches	—— to ——	—— to ——	
—— to ——	—— to ——	Peonies	—— to ——	—— to ——	
—— to 2.40	—— to 1.80	Smilax, (per doz. strings)	1.00 to 1.80	—— to ——	
—— to 3.00	—— to ——	Tuberoses	—— to ——	—— to ——	
—— to ——	.60 to .75	Violets, double	—— to ——	—— to ——	
—— to .50	.40 to .50	" single	—— to ——	—— to ——	
—— to ——	—— to ——		—— to ——	—— to ——	



The Queen of Autumn

WHITE, PINK and YELLOW

Splendid blooms of the choicest varieties, good stems. Many different types, as well as plenty of medium qualities.

CHOICE, $20.00 to $25.00 per 100.

MEDIUM, $8.00 to $12.50 per 100.

Try one of our $10.00 boxes of Chrysanthemums, a good assortment of colors. Your money back if not satisfied.

Beauties, Special, $4.00 per doz., **Fancy,** $3.00 per doz., **Extra,** $2.00 per doz., **First,** $1.50 per doz.

Valley, Special, $4.00 per 100. **Extra,** $3.00 per 100.

Adiantum Hybridum, $1.00 per 100.

We are now booking orders for Robert Scott & Son's new roses, Melody and Double Killarney. MELODY, own root, 2½-inch, $6.00 per dozen; $30.00 per 100; $70.00 per 250; $250.00 per 1000. DOUBLE KILLARNEY, own root, 2½-inch pots, $3.00 per dozen; $20.00 per 100; $150.00 per 1000; grafted, $30.00 per 100; $250.00 per 1000. March 1st delivery.

P M QUALITY

Ribbons and Supplies of all kinds. Catalogue on Request.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA 1608-1620 Ludlow Street
NEW YORK 109 West 28th Street
WASHINGTON 1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

Robert Kift, 1725 Chestnut st., has put his store and conservatory in order for the coming season. Just now he is quite busy filling Winter window boxes, a department of the retailer's work to which he gives much attention. He reports business improving all along the line.

The London Flower Shop, 1609 Chestnut st., which has been closed for the Summer, has reopened. Its window is made attractive by a featuring of Scotch Heather and baskets of Partridge berries.

Ye Old Flower Shop, 4550 Baltimore ave., H. H. Rung, proprietor, reopened for business the latter part of September and reports a good start.

Henry Engler, 4051 Lancaster ave., has a splendid stock of chunky Ferns in 4-in. and 6-in. pots, also some very desirable Pandanus in 4-in. and 6-in. pots.

Wm. H. Le Gierse has taken over the business of Le Gierse Bros., 4653 Lancaster ave., and is making extensive repairs and building a stable. A mixed stock of Spring goods are grown here and a nice retail trade is always coming in.

Geo. Carpenter, 6014 st. and Girard ave., has his range well stocked with a fine lot of 'Mums, Carnations, Poinsettias, Ferns, Geraniums and other bedding plants. An especially fine lot of potted 'Mums are shown here.

Mrs. Shelly, 60th and Pine sts., has installed a hot water boiler and remodeled her glass, also increased size of range. Some nice 'Mums and Ferns are shown here.

M. J. Callahan has removed to 3924 Market st. and, with the exception of glazing the conservatory, the new store is fully finished and furnished. A large stock of Ferns and Palms are on hand and a big icebox is kept well filled with cut stock.

Colflesh & Note of Yeadon, Pa., are cutting a nice lot of 'Mums and Harrisii Lilies.

Andrew Uber, 20th and Bainbridge sts., reports trade for September as being way ahead of same period last year.

Campbells, 1638 Federal st., are refinishing the store and having icebox enlarged and relined.

A. H. Yeatman, 1213 Wharton st., has just finished building a new store to replace the Log Cabin store of the past 12 years. The new shop has a splendid window and is well fitted to handle trade. Mr. Yeatman is, at present, confined to his room by illness.

E. H. Reardon opened a flower store at 47th st. and Baltimore ave. about Sept. 15, to be known as the "Ivan Flower Shop." The store is an attractive one, being furnished in Mission style, and a good window display has caused business to be better than was expected.

Miss Eva Fletcher, 5015 Baltimore ave., is just winding up her second year in her present location and finds the past year to be far ahead of the previous. Some good trade is being had and the funeral work is increasing. Miss Fletcher has a pot of Cranberry sprays in the window which seem to be somewhat of a novelty and attract attention.

Harry R. Yerkes, formerly of Camden, has opened a retail store at 4511 Lancaster ave. Mr. Yerkes is a manufacturer of artificial flowers and foliage and will carry a full stock of both natural and artificial flowers. Business for the first two weeks was excellent for a new store.

At the West Philadelphia Flower Shop, 32 So. 40th st., everything is looking spick and span after being repainted and overhauled for the Winter. Business here is reported as very good, especially in design work.

Wm. C. Smith, at 61st and Market sts., has a splendid lot of Hydrangeas and Ferns which are moving rapidly. The store trade is brisk and the force has been increased by two 3 ft. alligators, recently in from Florida, and now in possession of the window pool.

Ferd Le Gierse is now to be found at 4628 Lancaster ave., having opened a new store for himself about Sept. 22. Trade has been coming his way fairly well for the season and looks as though it would continue.

Rudolph Barth, 11th and Master sts., is putting spare time into Xmas stock, preparing for the rush at that time by filling wreaths, etc. P. M. R.

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Newport, R. I.

Gibson Bros. have had a new Lord & Burnham boiler installed in anticipation of cold weather.

A novel sight at the Stewart Ritchie greenhouses is a full crop of Mushrooms on one of the Carnation benches, coming up with such force and in such numbers that they threaten to push the Carnation plants out of their places.

A. MacL.

F. E. — Alert and Up-to-Date

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Poehlmann Bros. Co.

WHOLESALE GROWERS OF

and DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place, SAN FRANCISCO — Greenhouses, MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Cornelians, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Oct. 18, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	8.00 to	10.00
White Killarney	8.00 to	10.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	6.00 to	8.00
" extra	4.00 to	5.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.. to	6.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	75
" Sprengeri	35 to	75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.... to	....
....	.... to	....
....	.... to	....

CARNATIONS		
Standard Varieties: White	1.50 to	2.00
Standard Varieties: Pink	1.50 to	2.00
Standard Varieties: Red	1.50 to	2.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
*The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	.35 to	.50
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
....	.... to	....
Violets, single	.50 to	.75
" double	.75 to	1.00
Gardenias	25.00 to	35.00
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A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

Chicago

The weather in the past week has been ideal, an Indian Summer in every respect. Last week brought reports that a second crop of Strawberries was in evidence.

At an "Airship Luncheon" given last Saturday, by Mrs. E. M. Stresenreuter, the decorations of Ferns and Chrysanthemums were arranged in the form of a city boulevard. The centerpiece was a miniature airship with the aviator and a lady companion seated in a nest of yellow Chryanthemums.

The West End Woman's Club gave the first dance of the season on Monday evening last, at its Club rooms. The decorations were Autumn leaves and scarlet Dahlias.

A bride last week adopted a new means of preserving her bridal bouquet; she is having the petals of the Roses cured and pressed into beads, from which she will have rosary beads made; in this way she says she will always be reminded of her wedding.

A new feature for brides this season, instead of the bridal bouquet or muff, is the "marriage ring" of flowers, which is carried on the arm. One seen with a wreath of Ferns and white Orchids, and showers of white chiffon and Lily of the Valley, was both unique and effective.

A street carnival was held on last Saturday evening at the west end of Ogden ave. J. Simpson had a prettily decorated wagon in the parade, strikingly done in bunting and Salvias. A similar carnival held on W. 26th st. last week had a float in it decorated by J. Friedel.

Peter Knapp, an employee of Peter Reinberg, was killed last Saturday morning in front of the Reinberg greenhouses. A load of stone was standing on the track and Peter was sent to unload it; the lever used for dumping refused to work, and he got under the car to see what the trouble was, when in some way the slide opened and he was buried under the entire load. He leaves a wife and five children.

Dahlias make a grand display in the grounds of Vaughan's Greenhouses, Western Springs, and many persons are taking advantage of the wonderful Indian Summer weather to see them. Representatives of the company are making the usual arrangements for bouquet greens, which they handle in the largest quantities in the West.

Miss Lauretta E. Miller of Findlay, O., has started in business for herself under the name of the Findlay Floral Co. Miss Miller was formerly employed by J. H. Wallen.

Chas. Maier has opened a new retail store at 3223 Armitage ave.

Posters are out announcing the fifth annual reception and ball of the Wholesale Florists' Employees' Assn., to be held Friday evening, October 25.

The Chicago Florists' Bowling Club is anticipating holding a dance on the evening of November 8, at the Coliseum Annex. Arrangements are not yet fully completed.

W. E. Lynch is again at his post after his illness of last week.

Charles McKellar says Gardenias are now arriving regularly, and in fine condition, and the demand for them is good. He finds that in Orchids, Dendrobium Formosum is at the present time very popular for weddings.

That Poehlmann Brothers are still at the front as exhibitors is evident, they having taken 26 first prizes out of 26 entries at the Illinois State Fair this month.

The stock at Peter Reinberg's, in all lines, is coming into the market in prime condition. Mr. Reinberg is not growing Rose Bridesmaid this year, White Killarney is having the preference as a white.

Wietor Brothers are handling some extra fine 'Mums and find that the cream of stock brings as good prices as last season.

The J. B. Deamud Co. is receiving several varieties of 'Mums, yellow, pink and white. The fancy grades are easily disposed of. Some extra fine Carnations are also noticed here.

The Morgan brothers, employees of J. F. Wilcox of Council Bluffs, Ia., are spending a few days in Chicago. Other visitors are: Miss Rennison, Sioux City, Ia.; A. L. Glaser, Dubuque, Ia.; M. Creighton of A. T. Boddington's, New York; Chas. E. Thiems, of L. S. Donaldson's, Minneapolis, Minn.; A. W. Wonaske, Milwaukee, Wis.; A. Martini, Lake Geneva.

The A. L. Randall Co. reports that 'Mums are coming in plentifully, enough to meet the demand. A good supply of Eastern Violets, and a few singles have also been received by this house. Orchids are now established as a specialty here.

Bowling

The following scores were made by the Club bowlers on Wednesday evening of last week:

Carnations	718	713	774
Violet	741	761	650
Orchids	762	747	759
Roses	748	790	744

Pittsburgh

Trade conditions are about the same as those of last week. There will hardly be any great improvement until we have a severe frost. Outdoor stock is very abundant. Dahlias are coming in great quantities and of fine quality. Cosmos never did any better than this Fall and always sells well, although at low prices. Roses and Carnations are much improved; the former are coming in a little too strong for the demand. Killarney Roses are fine and most plentiful. Lilies are exceptionally good. The best Dahlias of the season were noticed last week, very fine blooms of all sorts; the Cactus varieties were very showy.

Nothing is doing in the plant trade, and very little in the bulb line; the weather is entirely to blame, being too Summerlike. It looks as if the calendar would have to be revised. Strawberries are in fruit at some places, vegetables, most all of them, are in their glory, and flowering plants are at their best, still blooming away—and it is Oct. 17, and the weather prophet promises a continuance of present conditions for a few more days.

The first Chrysanthemum show of the season was opened last Sunday, to the public, at H. C. Frick's residence on Penn ave. E. E., and will continue for some weeks. One house of 'Mums was fairly well in bloom, but another week will show the flowers to better advantage. The collection was a good one, all shades of color and some good-sized blooms. Besides the 'Mums, a fine display of Begonia Gloire de Lorraine in one house was very attractive. Carnations and Roses in bloom, also a few Orchids and Tuberous Begonias were seen. The conservatories are in charge of D. Frazer, a competent grower and one who knows how to arrange plants and blooms most effectively. The houses are open after dark and the display shows to better advantage then than in the day time, with the many fifty candle power electric lights.

Mrs. E. A. Williams, on Penn ave., had a magnificent display of Dahlias in her store window last week; they were tastily arranged with ribbons and were much admired.

The house on E. C. Ludwig's farm, which he purchased a few weeks ago and of which he had hardly taken possession, burned to the ground, a total loss, with doubtful insurance.

The Shade Tree Commission of Pittsburgh is receiving proposals for trees to be planted on the city streets. Oriental Planes seem to be preferred. They have been planted in the city by many thousands in the past few years, and seem to flourish better than any others. Norway Maples are wanted for some streets. The proposals also call for poles and tree boxes by the hundreds. The city forester will have charge of the planting and see that good soil is used. This is the first work of any magnitude of the Shade Tree Commission, and it is to be hoped that it will continue the same and improve our streets.

E. C. REINEMAN.

St. Louis

We had with us this week Guy Reyburn, representative of Vaughan's Seed Store, Chicago, and Martin Reukauf of H. Bayersdorfer & Co. of Philadelphia. They are calling on the local and suburban trade in the interest of their firms.

C. A. Kuehn is still sick, from reports of visitors, who say that he will be kept indoors for another week.

H. V. Hunkel of the well-known firm of Holton & Hunkel, wholesale florists at Milwaukee, spent a day with us and is making the rounds with his brother-in-law, "Billy" Smith. Mr. Hunkel came here to accompany home his wife and children.

Miss Mattie Schnell, the well-known East St. Louis florist, has sold her establishment to J. F. Ammann of Edwardsville and Henry Johann of Collinsville, Ill., who have formed a partnership in this business.

Henry Berning has purchased a fine large automobile for pleasure, and is seen quite often with Mrs. Berning these fine warm nights on the boulevards.

The Retail Florists' Association at its last meeting took up the publishing of a list of dead beats and slow payers. All retail florists are requested to send in their list by the next meeting of the Society which takes place Monday, Nov. 7; address Fred C. Weber, Jr., 4326 Olive st., who is secretary of the Association.

The help at Kuehn's were put to a test last week owing to the absence of the boss but came out with flying colors.

W. C. Smith says Violets are coming in better each day, but the warm spell of last week did them no good as it takes cold weather to improve them in color and stem.

Kalish Bros., Delmar and Taylor aves., are making a fine display of plants and cut flowers in their show house. They are making a specialty of Orchids this year and have a great many varieties which will be sold to the local trade.

The commission men are handling, at the present time, a large supply of Chrysanthemum blooms in all the early varieties. American Beauty, in all grades, lacked demand last week and plenty of them went to waste; in fact, there were too many of all Roses. Carnations, too, are coming in too freely and in another week the Chrysanthemums will crowd them so that a glut of almost everything will be on.

ST. PATRICK.

GENISTAS

in sizes. Send for prices.

DRACÆNA INDIVISA, 2½ inch stock, extra strong, 6 cents each.

TABLE FERNS, bushy, out of 2½-inch pots, mixed. 3½ cents; 4-inch, 7 cents.

BOSTON FERNS, ready for your store trade. Write me your wants.

Cash with order, please!

H. E. LE PAGE,
STAMFORD, CONN.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, extra well grown plants from 3-inch pots, $7.00; from 4-inch pots, $15.00; from 6-inch pots, $25.00 per 100.

PRIMULA obconica grandiflora and Gigantea, Roasdorfer and Lattman's Hybrids well grown stock from 4-in. pots, $10.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

CINERARIAS

DWARF HYBRIDS, Large-flowering, finest shades and colors, strong, stocky plants, 2-in. pots, ready for shift; $2.00 per 100.

JERUSALEM CHERRIES, Field-grown, now in 4-in. pots, full of berries, $8.00 per 100.

E. VAN BENTHUYSEN, R. F. D. No. 6, Schenectady, N. Y.

Please mention the Exchange when writing.

Chinese & Obconica Primroses Fine plants, 2¼-in., $2.00 per 100; 3-in., $3.00 per 100; 4-in., $6.00 per 100. **PRIMULA Obconica,** 5-in., $12.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $2.00 per 100; 3-in., $3.00 per 100. **JERUSALEM CHERRIES,** 3½-in., $5.00 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

Please mention the Exchange when writing.

Hollyhock Plants

Double White, Yellow, Salmon, Pink, Red and Maroon; extra strong transplanted roots, $6.00 per 100, $50.00 per 1000.

	100	1000
AQUILEGIA Coerulea (true)	$6.00	$50.00
DELPHINIUM Formosum ..	6.00	50.00
PAPAVER Orientale	5.00	40.00
PAPAVER Orientale, 4-in. pots	6.00	50.00
PYRETHRUM Roseum	4.00	35.00

Write for list of other Perennials, and samples to,

GEO. F. KIMBEL, Flourtown, Pa.

Please mention the Exchange when writing.

The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY

Cincinnati

Business was exceptionally good during the past week, plenty of stock coming in with the exception of Carnations. The outlook for the coming seven days is not so favorable, although orders may develop as the week advances.

Mr. Fancourt of Philadelphia was a caller during the week; H. Schmidt of Oxford, O., and Ed. S. Burns, for the Henle Wax Paper Co. of New York, were also callers; all report business good but collections a little slow.

Mr. Benj. T. George of Hyde Park, who was chairman of the lawn committee of Hyde Park, presented his annual poem before the Hyde Park Business Men's Club, Monday evening, Oct. 10. The poem is entitled "The Lawners," and was composed by Mr. George for the occasion and read at the annual prize distribution to the keepers of the best lawns in that section.

A postal card from Miss Carrie Hoffmeister, written from Catalina Island, was received during the week; she, like many others who have visited that famous resort, says it is delightful there and reports her health as much improved.

L. H. Kyrk, who has been confined to his home with appendicitis, is recovering nicely and expects to be out within a few days.

E. G. GILLETT.

Detroit

Counter trade during the last week has been surprisingly slow and complaints are quite general. This is accounted for principally by the prevailing high temperature, and the top prices asked for such standard flowers as Carnations and Roses.

'Mums, which are coming in rather few, are cut too soon and not given time enough to harden up; for this reason most of the blooms begin to flag a short time after they are in the store.

Herman Klagge, for 28 years with John Breitmeyer's Sons, mourns the loss of his wife, who had been an invalid for several years.

Wm. Dilger, sup't. of Belle Isle, has been requested to resign by Nov. 1; Mr. Hollister, supt. of Palmer Park, has been appointed in his place.,

Many local growers have received notice that their orders of Lilium longiflorum will be reduced from 20 to 50 per cent. owing to the floods in Japan.

The Detroit Florists' Club will meet next Sunday at 3 p.m., at Palmer Park, to visit the extensive city nurseries there located. On Thursday, Nov. 3, at 9 a.m., the Club will make its annual Fall pilgrimage to Mt. Clemens. This is always a very instructive and entertaining trip and many outside florists manage to join us.

FRANK DANZER.

Louisville, Ky.

The Louisville Horse Show, which opened on Oct. 10 for a run of one week, brought hundreds of aristocratic visitors to Louisville, whose purchases of corsages, table decorations, etc., added to those of our local débutantes made quite a little flurry in florist circles.

A heavy rainfall during the first days of October benefited the Cosmos and Dahlias, consequently there has been a good run on these popular flowers. A number of varieties of Orchids are also in evidence among the florists.

The initial Fall meeting of the Woman's Outdoor Art League was held recently in the art room of the Louisville Public Library, and some plans were set afoot whereby floral decorations in the home and school may become more popular with Louisvillians.

F. Walker & Co. have been showing some handsome specimens of Cattleya Trianæ. Mr. Walker reports some highly satisfactory sales of American Beauty Roses for the Horse Show. H. G. Walker will figure prominently in the fraternal doings of the Woodmen of the World, who propose to hold a big executive session on Oct. 23 in Louisville. The Walker store, on Fourth ave., is the Louisville headquarters of the W. O. W.

E. D. Fancourt, representing S. S. Pennock-Meehan Co. of Philadelphia, was in Louisville recently, calling on the trade.

August Baumer, a prominent Chestnut st. florist, journeyed to Shelbyville, Ky., on Oct. 12, for a short stay. Mr. Baumer was one of a committee appointed by the Preston Masonic Lodge of this city, which proposes to furnish and equip a handsome library in the Shelbyville Masonic Home, and Mr. Baumer has been looking over the situation with his fellow Masons.

All evidences of "moving day" were seen at the establishment of Nanz & Neu-

PROSPERITY! PROSPERITY!! PROSPERITY!!!

Knocking at your doors now!

Brother, will you look on idly?

Let us fill up our houses with Araucarlos fine,
With Ferns that are better than before;
For Palms that are stately should in our windows shine,
So our stores will have patrons evermore.
Let us wend our way to Aschmann's and choose the best he grows
(The plants that we need he has galore),
And, as we count our profits, see the end of all our woes,
While hard times come again no more.
'Tis the song and the sigh of the weary—
Oh, hard times, come again no more!
Many days have you lingered about my greenhouse door—
Oh, hard times, come again no more!

Just Look At Some of Our Prices to Make Room for Our Large Importation of Azaleas:

ARAUCARIA Excelsa Glauca, 6-in., $1.00 to $1.25.

ARAUCARIA Robusta Compacta, $1.00, $1.25.

ARAUCARIA Excelsa, top cuttings, no seedlings, 6-6-7 in. pots, 3-4-5-6 tiers, 12-16-18-20-26-30 in. high, 40c.-60c.-80c.-75c.-$1.00-$1.25-$1.50.

KENTIA Forsteriana, 4-5-7 in. pots, 20-25-30-35-40-45 in. high, 35c.-75c.-$1.00-$1.25-$1.50-$2.00-$2.50 each.

KENTIA BELMOREANA, six good leaves, 4-6-7 in. pots, 20-25-30-35-40 in. high, 25c.-50c. 75c.-$1.00-$1.25-$2.00-$2.50 each.

COCOS Weddelliana, 12 to 15 in. high, 15c.-20c.-25c.

SAGO PALMS, Cycas Revoluta, 6-7-8 in. pots, 5 to 20 leaves to the plant, 10c. per leaf.



Everybody knows that last Christmas we had the best **BEGONIA Gloire de Lorraine.** They were cracker-jacks, indeed; 6 in., 40c. to 50c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.; 4-in., 10c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 5½-6 and 7 in. pots, 35c.-40c.-50c.-75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, $3.00 per 100.

ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Gigaoteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.

RUBBER PLANTS, 6-in., 40c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.

Cash with order, please.

All goods must travel at purchaser's risk.

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Wholesale Grower and Importer of Pot Plants

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VINCA Variegata, field-grown, at $4.00 per 100.
ADIANTUM Croweanum. Strong 4-in. pot plants, $15.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli, Scottii and Whitmani, 5-in. pot plants, $4.00 per doz., $25.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
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CELESTIAL or **CHRISTMAS PEPPER,** 4-in. pot plants, $10.00 per 100.
BULBS—HYACINTHS, 17 centimeters and up, best named varieties, double and single, $3.50 per 100, $32.00 per 1000.
HYACINTHS, 15 centimeters, fine bedding stock, colors separate, $2.25 per 100 $20.00 per 1000.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
NARCISSUS, Paper White Grandiflora, 13 centimeters and up, $1.00 per 100, $9.00 per 1000.
HYACINTHS, White Roman, 12 to 15 centimeters, $2.50 per 100, $24.00 per 1000.
NARCISSUS, Trumpet Major, (French Grown,) $1.00 per 100, $9.00 per 1000.

Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.

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Smith's Chrysanthemum Manual
40c. prepaid
ELMER D. SMITH & CO., Adrian, Mich.

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Clearance Sale of Stock Plants

We have several thousand of the following varieties, to be sold as soon as the blooms are marketed, to make room for Sweet Peas.

Glory of Pacific	Balfour
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Furnishes the Most Nicotine for the Money!

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Over 40% Nicotine
BY FAR THE CHEAPEST.

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Pint $1.50
½ Gallon . . . 5.50
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Hews Standard Pots

POT MAKERS FOR 140 YEARS

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WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.
CAMBRIDGE, MASS. Established 1765.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	438 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5.00	144 6 " "	3 16	24 12 " "	4.80
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500 4 " "	4.50	60 8 " "	3.00	6 18 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.
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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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Imported Scotch Soot

100 lbs. in double lined bags at $2.80 per bag; 5 bags for $11.25; 10 bags for $20.00.

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Address of this advertiser upon application.

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Cattle Manure in Bags

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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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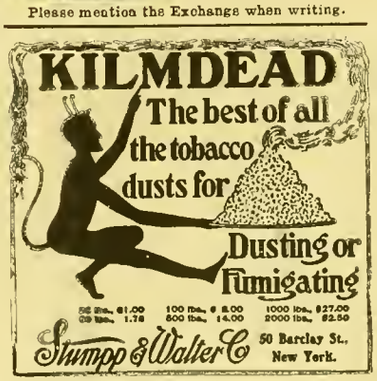

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For GREENHOUSES, LAWNS, FARM, Etc.
AT WHOLESALE PRICES

I save you 30 per cent. State plainly what you require and for what purpose.

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For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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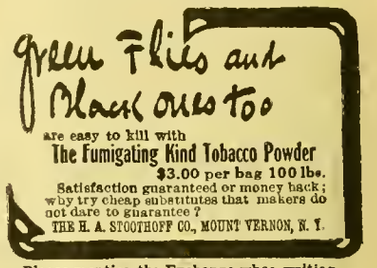

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake Street
CHICAGO, ILL.

Please mention the Exchange when writing.

ner on Fourth ave. recently. The firm is moving to their handsome new store, about one block farther south on Fourth ave., near Broadway. Mr. Nanz expects to be fully established in the "Rosery," as the new shop is called, by Oct. 20. The third prize in the window-dressing contest of the Louisville Horse Show Association was won by Henry Nanz. Mr. Nanz won a prize in this contest during the Horse Show of 1909, and determined to "come back" if the occasion afforded. The Horse Show officials take a great deal of interest in seeing that the show windows of the downtown district are appropriately decorated in honor of the show, and Mr. Nanz installed one of the most effective windows at his establishment that could be imagined. A life-size Kentucky thoroughbred, inanimate of course, appeared in the Nanz & Neuner window. The horse was being led to water by a little girl, who carried a garland of choice flowers, and the stage setting for the effective display consisted of an old-fasbioned, moss covered, country well, that reposed in the background, equipped with the old oaken bucket. A rural fence, composed of rough palings, enclosed the scene, and each corner of the fence was supported by a small Birch tree.

A big consignment of imported vases and jardinières was recently received from Germany by Jacob Schulz, of Fourth ave., and is on display in handsome show cases in the store.

Frank M. Johnson, of the A. L. Randall Co., Chicago, was in town recently.

C. B. Thompson & Co. have been kept busy with a number of funeral and wedding orders during the past two weeks. A big ice-box, with glass front and sides was recently installed by the company.

Miss Edna Haupt, daughter of Fred Haupt, has gone to Washington, D. C., where she has entered Chevy Chase College. Miss Haupt is a recent graduate of the Louisville Girls' High School.

Mrs. M. D. Reimers furnished the floral decorations for two big dinners given by Anthony J. Carrol, president of the Louisville Horse Show Association, to Alfred Gwynne Vanderbilt and other Eastern guests visiting the Horse Show.

The delivery outfit of the Reimers' store recently captured a blue ribbon in the "delivery" class at the Louisville Horse Show. G. D. C., JR.

F. E. — Alert and Up-to-Date

Write today for new circular
TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
TILE SIDES
Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.
THE CAMP CONDUIT CO.
613 Euclid Ave. - - Cleveland, Ohio

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

Please mention the Exchange when writing.

SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog
GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

Indianapolis

The industrial parade of the Indianapolis Merchants' Association, Oct. 18, called for a number of artistically decorated floats. The store men were quite busy furnishing wild Smilax, Laurel plants and other material for the same.

The E. G. Hill Co. is to be visited by a delegation of our local florists the last of this month; quite a few have signified their intention of accepting Mr. Hill's kind invitation.

E. T. Barnes of Spencer was a recent visitor. The success of the National Cooperative Show Gardens in which he is interested is assured and they expect to plant several more acres in outdoor stock next season.

B. F. Hensley of Knightstown, Ind., called on the storemen last week. He is cutting fine flowers and finding a ready outlet for the same.

John Rieman is looking after some of the details of the flower show.

The Smith & Young Co. is cutting a number of good Cattleyas at this time.

Bertermann Bros. Co. are building a concrete cooling room at their Cumberland greenhouses.

Alfred Brandt, who has been taking some of the leading parts at the Majestic theater, is again busy with the flower business.

Albert Kempe is cutting nice single Violets.

The display at the coming flower show should be a good one if a quantity of well grown Chrysanthemums can make it so. Nearly all the growers in this vicinity have a nice lot which they intend to exhibit.

Tomlinson Hall Market has been doing a lively retail trade lately. The continued warm weather permits much to accumulate there and an immense lot of flowers are disposed of at prices much lower than those prevailing in the stores.

I. B.

Kalamazoo, Mich.

At the present writing we are still cutting Dahlias, Gladioli, etc., from the outside, of a quality that has not been excelled in years. This shows how mild the season has been this Fall and also accounts for the lack of brisk store trade, the weather being too fine for the people to stay indoors. 'Mums are here in ample supply and sell as well as usual, at from $1.50 to $3 per doz. Roses come on in good shape and are quoted at 50c. to $1 per doz.; Carnations, 25c. to 50c.; Violets, 15c. to 25c. per bunch. Shipping trade is said to be pretty good and funeral work fair. Bulb trade is still held up by the fine displays of outdoor flowers. The nurserymen are still busy shipping stock and report a good season's business and exceptionally good weather for digging and packing their goods.

Van Peenan & Newland have finished their new plant and are now busy erecting a dwellinghouse. These gentlemen have a very nice and compact plant, with good boiler and heating plant, potting, storage sheds, etc., handy and convenient; also a 4-in. tubular well and gasoline pumping engine, giving them ample water supplies; and a comfortable office and packing room, with refrigerator, etc. The place is mostly planted to Carnations, which at the time of my visit were thrifty and starting well to flower, so the firm is ready for business right away.

John Thomas has returned from his trip, which was both pleasing and instructive, and is now busy preparing for the Winter trade. At the Riverside greenhouses they are cutting 'Mums of high grade just now, and dispose of them as soon as open. Their new Carnation house is coming along in good shape and a fine Winter's cut is anticipated.

G. Van Bochove has purchased a large touring car, of the 1911 model, which indicates the prosperous times the firm is enjoying.

S. B.

The use of these columns will obtain for you a desirable position at any time.

Estimates Cheerfully Furnished

S. JACOBS & SONS

Get Our Prices and Catalogue

1365-1379 Flushing Ave. ESTABLISHED 1871 BROOKLYN, N. Y.

Clear Gulf Cypress GREENHOUSE MATERIAL
Cut and Spliced Ready for Erection

Pecky Cypress for Benches
We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection



GREENHOUSE GLASS
20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

We carry the largest stock of **HOT-BED SASH** in the United States

OUR NEW **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

Please mention the Exchange when writing.



The Leading Firm on the Pacific Coast
CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

GEORGE C. PAPE, 2001 Addison Street BERKLEY, CALIFORN

Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS
N. COWEN'S SON
14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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GreenhouseMaterials Furnished and Erected
IRON or WOOD SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
FRANK VAN ASSCHE, Fulton Ave., Rose Ave. and Dwight Street
JERSEY CITY, N. J.

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REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS
JOHN A. SCOLLAY
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GLASS Repair Season Here
We Have the Stock
Before buying write us for prices
SHARP, PARTRIDGE & CO.
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CHICAGO, ILL.

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THE JENNINGS IMPROVED IRON GUTTER
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.
Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

"We are well pleased with the returns received from your publication, and the better the display you are able to make with this advertisement, the more results will be obtained which will be better for us both."—*Address of this advertiser upon application.*

Trouble Talk

Number Five

It being a poke in the ribs about Blaming the Wrong Man

As a kid I certainly had my troubles. One thing that sticks out in my memory was my mother's determination to keep me wearing short pants till I was twenty-one. She seemed to think that as long as I wore them, she could continue taking me over her knee to apply the slipper, or send me to bed without my supper.

Reasoning along these same lines I thought that long pants would make a man of me over night.

Both of us were wrong!

But say—it's surprising how many growers cling to my long pants theory even when they are 60 years young!

Why, only last week I had a hurry call to see a man up in Connecticut, who stuck out his whiskers at me, thumped the potting bench and declared up and down that our "Sectional Boiler wasn't worth a hoot." Said "it wouldn't boil enough water to make a cup of tea." "That the cussed thing was overrated; that he had been flimflammed, and by heck, he'd get square if he had to sue us."

All this time I had been chewing my Spearmint gum, and waiting for an opening to find out what it was all about. Without knowing a thing, I sort of sized it up as a case of overloaded boiler. And sure enough it was. Last year he bought one of our six section, Number 30 Cast Iron Boilers, and it did the work O. K.

This Summer he added another fifty feet to his greenhouse, piped it up and hitched the entire load on to this same six section boiler. Trying to make a boy do a man's work, you see. Adding more pipe to the boiler and expecting it to do the work, was just like my long pants—they failed to make a man of me, I was still the same kid inside of them.

Why is it that some growers try to be so wise, and then when they fall down, blame us?

All that boiler needed was a couple more sections. A postal to me would have brought that information at the very start—information that wouldn't have cost a cent.

You say, any fool knows better than to overload his boiler. Nevertheless, there are a lot of you this very minute who think you have solved the problem of making 14 ounces do the work of a pound. But you haven't.

If you want to keep out of trouble this Winter and save coal besides, make sure right now that you have a man-sized boiler inside the man-sized pants.

Write to me. Address your letter like this:

The Trouble Man

Hitchings & Co.

ELIZABETH, N. J.

P. S. These Trouble Talks have got me into so much trouble that to keep ahead of my troubles, may have to stop talking Troubles. Will let you know, for sure, next week.

Please mention the Exchange when writing.

Worcester, Mass.

Retail Business Picking Up

Business is brisk in all the retail shops of Worcester, the opening of the social season having increased the demand for cut flowers remarkably.

October weddings have called for Chrysanthemums, Violets, Roses and Carnations, and quantities of these have been sold. Orchids, Dahlias and green goods have been much in demand for club receptions and afternoon parties.

Chas. D. Mackie is cutting some fine Chrysanthemums and has a good stock of Violets, Roses and Carnations. There is plenty to do in this shop to keep the entire force busy. Mr. Mackie reports an exceptionally good week in decorative work.

F. A. Madaus has a large assortment of Chrysanthemums. His Violets are plentiful, with Roses and Carnations for variety. Funeral work and wedding bouquets are sufficiently attractive to make this particular line of the retail business a special feature of the Madaus flower shop.

Fisher the florist reports an increase in demand with plenty of cut stock on hand.

The H. F. Littlefield shops were well arranged with Fall flowers and plants. In both an excellent business is reported.

Harry Randall, the popular manager at 409 Main st., is rushed with wedding orders. He is cutting some fine Chrysanthemums and Roses but reports a scarcity of Violets. At the Jamison-Brierly wedding in Holden, Wednesday, Mr. Randall had an artistic arrangement of native flowers, in the receiving room with pink, yellow and white the predominating colors. The bride's bouquet was of Lily of the Valley and those of the bridesmaids a pleasing arrangement of white Chrysanthemums. The maid of honor's flowers were yellow Chrysanthemums.

H. F. Midgley's new store is usually one of the busiest of the smaller shops. Mr. Midgley is to be congratulated upon the attention his window displays are attracting. His sale of Boston and Whitmani Ferns have given many lovers of them an opportunity to purchase fine plants at a remarkably low price. Funeral orders are numerous in this shop.

W. E. Draper, at 752 Main st., has enlarged his store considerably to meet the increase in business. A new plant stand and ribbon case have been added. Harry C. Gray, formerly of the flower department of the Boston Store, has been made manager of the Draper store and since his arrival, several improvements have been made. Mr. Gray has had a wide experience in retail work. He reports plenty of cut stock with more in preparation in the greenhouses at Rochdale. The berry globes at the Draper Shop are attracting much attention.

Bulbs have been called for and all dealers have plenty of them.

Annual Fall Exhibit and Banquet

The annual Fall exhibit of the Worcester County Hort. Soc., held Oct. 13, was largely attended. The flowers were fair but a heavy frost the night before nipped many of them so that, as a whole, the display fell below the expectations of the committee. The fruit show was splendid, especially the Apples.

The exhibit was open to the public from 12.30 to 9 p.m. A dinner was served to 125 guests at 12.30 o'clock in the banquet hall. Among the after dinner speakers were W. P. Rich of the Mass. Hort. Soc., R. M. Bowen of the Rhode Island Hort. Soc., J. Lewis Ellsworth, sec'y of the State Board of Agriculture, W. D. Ross of Ross Bros. Seed Co., and Adin A. Hixon, sec'y. of the Wor. Co. Hort. Soc.; George Calvin Rice presided. All were warm in their praise of the Hort. Soc. and its aims.

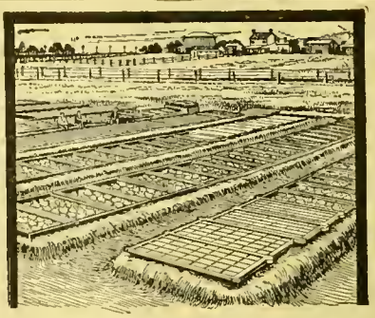
The Garden Cities Children's Outing

Three hundred children of the garden cities received their reward for faithful work in their gardens, Thursday, Oct. 13, and enjoyed an automobile trip to Bunker Hill, Boston. Twenty automobiles formed a procession, carrying the young gardeners and those in charge, to the historical places in Concord, Lexington and Boston. Prominent citizens interested in the movement furnished the machines and gave the services of their chauffeurs. Dinner was served by the chief of police, T. O. D. Urquehardt, of Arlington.

Rev. and Mrs. Robert J. Floody were in charge of the party; contributions from florists and seedsmen made the garden a possibility.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

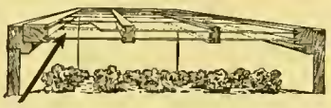
Pay for themselves in a single season



Sunlight Double Glass Sash will more than pay for themselves in the better, earlier crops that will bring the big prices on the early market—and in time and labor saved in caring for the beds.

You never have to cover Sunlight Sash

You can throw away expensive, cumbersome boards and mats. You can save all the time you now take to cover and uncover the beds—because Sunlight Double Glass Sash have—



Two layers of glass instead of one

Between the two layers of glass is a 5/8 inch layer of dry still air. This transparent blanket is a perfect non-conductor, keeping in the heat—keeping out the cold—permitting the plants to get *all the light all the time*. The result is that plants under Sunlight Sash will be ready for the market weeks ahead of those grown under single glass sash because the plants get the light from sun-up to sun-down—which means faster and stockier growth.

Glass is held in place without putty. Cannot work loose—easily replaced.

One user of Sunlight Sash writes: "The coldest day was 2 above zero and no plants were reached by the cold. Not only did the seeds germinate quicker under the double glass, but the plants do much better than under the single glass sash. And the labor saved in extra covering will soon pay for the sash."

R. M. Kingsley, Greensville, Tenn.

Agents wanted: A splendid opportunity for responsible persons in territory where we are not now represented. Write for details.

Get these two books

One is our free catalog giving all the details and our freight prepaid and guaranteed delivery proposition. The other is a book on hot-beds and cold frames by Prof. Massey, an authority on the subject. This book is of vital interest to every professional grower and florist. 4c in stamps will bring Prof. Massey's book in addition to the catalog.



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SUNLIGHT Double Glass Sash for Hot-beds and Cold-frames

Sunlight Double Glass Sash Co., 933 E. Broadway, Louisville, Ky.

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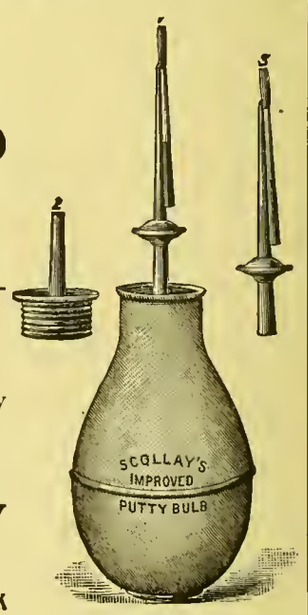
Scollay's Putty Bulb

MONEY SAVED—and that is what counts

Best Tool in Use for Glazing and Repairing



For sale by your Seedsman or Supply House, or **sent per mail on receipt of One Dollar, postpaid**

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74 and 76 Myrtle Avenue

Borough of Brooklyn, City of New York

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Greenhouse Material of Louisiana Cypress and **Hot-Bed Sash** Washington Red Cedar

Greenhouse Hardware and Posts — Patent V and U Gutters

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT

Write for Catalogue and Estimate when figuring on your new houses

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"I enclose check for $21.60 for advertising sale of my Greenhouse Property.

I am pleased to report that a purchaser for the Property was obtained through the advertisement in The Florists' Exchange."

Address of this advertiser upon application.

BEFORE YOU BUY
GET OUR PRICES

Greenhouse Material

Any Style and Size



The best and cheapest.
WRITE US.

A. C. TOOF
Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.

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MASTICA



USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutmee St.

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GLASS

Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will ment on seeing the advt. in the Exchange.

Montreal

Mr. Wholesale Florist! Take a good map of North America; look for the spot marked New York; follow the Hudson River, Lake Champlain and right on due north—a night's travel by rail from New York lies this great city of Montreal with six hundred thousand people. The florist business is flourishing, but we have no wholesale florist. We have no one to bring the products of local men together; no dealer in greens, wild Smilax, Galax, etc. Yes! We need a wholesaler badly here. Who will be the first to come and help us?

The season has opened up well, earlier than usual, on account of the Eucharistic Congress meeting early in September, and business has been very good indeed in all lines. Wedding orders are plentiful, with good demand for general cut flowers, and also for floral design work. Outdoor flowers are over, and the Chrysanthemum is "King." Carnations are of excellent quality and the same can be said of most all cut stock.

Greenhouse crops are looking well and the growers have little to complain of; with the exception of a heavy wind storm about a week ago, when quite a lot of damage was done to greenhouses in this vicinity, there is little to report.

Quite a few changes have taken place in the retail stores. Mrs. Murray has sold her business, but still remains for a time acting as adviser to the purchaser, whose name I do not know at present.

A new florist store has opened in St. Catherine st. West, under the name of The Montreal Florists, and managed by Miss Taylor, formerly bookkeeper for Harris & Hopton. As Miss Taylor is thoroughly acquainted with the names of the flower buying people of the West End, she will be able to command a good trade from the start. Her store is well fitted up. The decorations are in green and a fine stock of Ferns and Palms are displayed very nicely. A specialty will be made of tea table decorations, wedding bouquets and design work.

Ed Gurney, the East St. Catherine florist, carries a big stock of cut flowers and finds the demand improving.

Mrs. White has a very neat store on St. Catherine st. West, and her stock is always well assorted. This stand is in the busiest part of the street.

Wilshire Brothers are busy with decorations. Wild Smilax is used in quantity by them. A. Wilshire says it is a great saving on the Palms.

Mr. and Mrs. George Hopton are in New York and vicinity for a few days.

Among our Summer visitors were Mr. Slattery of Galvin's, Boston, and Mrs. Slattery; Mr. and Mrs. Geo. Asmus of Chicago; Mr. and Mrs. J. A. Peterson of Cincinnati; and, more recently, Messrs. Fancourt, Zirkman, Green, Carbone and others. Speaking of the supply men I am reminded of Mr. Wertheimer, who when he was here last simply took our breath away, not only by the quality of his samples but also by his original (at least in this North town) method of having a colored gentleman handle his grips. While Mr. Wertheimer was shaking hands with us, "John" would have the baggage opened and the "Sprinkleproof" ribbon put under the tap and ready for our inspection, with all the other specialties, in a trice.

W. C. H.



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NOW IS THE TIME TO USE

DREER'S

Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. **Dreer's Peerless Glazing Points** will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c. postpaid. 5000 points by express for $2.75.

IF YOU ARE BUILDING

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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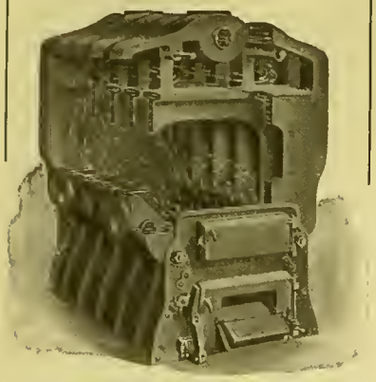
The Ideal Greenhouse Boiler



EVERYTHING in VENTILATING and HEATING

CHARLES H. DODD

576 to 580 Ocean Ave., JERSEY CITY, N. J.

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JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.



EDUCATIONAL GREENHOUSES AT SMITH COLLEGE

These houses are used almost exclusively for educational purposes. Professor Genung, in a splendidly equipped experimental and demonstration laboratory, carries on a most complete course in plant physiology.

The Horticulture course, under the direction of Professor E. J. Canning (a Kew graduate), is a thoroughly practical one, covering botany, greenhouse plants and practice. Greenhouse construction is not slighted.

The comparative merits of different constructions in their relative values is one of the strong points of the course.

Landscape planting is also given consideration.

The educational institutions all over the country have awakened to the importance of these courses.

For Cornell, Harvard, Massachusetts Agricultural College, Connecticut Agricultural College, Virginia Agricultural College and many others we have built houses. It speaks well both for advanced ideas in education and advanced methods of greenhouse construction.

To keep the Professors, Superintendents and Gardeners informed of our improvements, we have just published a one hundred page catalog thoroughly covering the ground. It is in fact a regular reference book. It has nearly 500 illustrations.

If you will fill out and mail us the coupon below, we will gladly send you one of these Book Catalogs.

LORD & BURNHAM CO., Irvington, N. Y.

New York St. James Bldg. Boston Tremont Bldg. Philadelphia Heed Bldg. Chicago The Rookery

I WANT THAT NEW CATALOG OF YOUR GREENHOUSES

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Signed.....

Address.....

Employment.....

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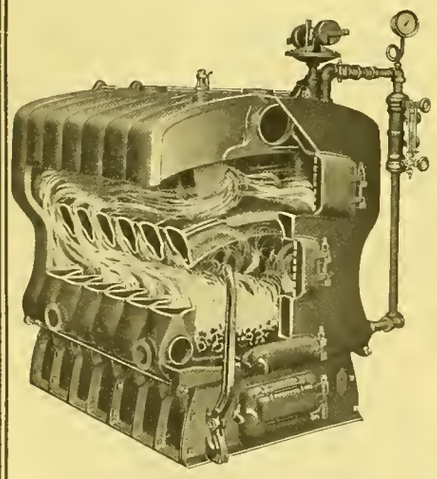
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."
For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

JOHN C. MONINGER CO.
CHICAGO
906 Blackhawk Street

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FIRST COST SHOULD NOT BE THE ONLY CONSIDERATION IN

GREENHOUSE CONSTRUCTION

KING HOUSES ARE REASONABLE IN COST AND TRULY ECONOMICAL, FOR THEY ARE LASTING AND EASY OF MAINTENANCE, AND RELIEVE THE MIND IN TIME OF STORM.
SEND FOR OUR BULLETIN.

KING CONSTRUCTION CO.

NORTH TONAWANDA, N. Y.

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NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 18 NEW YORK AND CHICAGO, OCTOBER 29, 1910 One Dollar Per Year

Amherst Mass
Wilder Hall

A Few Specialties in Bulbs

NARCISSUS

	Per 100	1000
Bicolor Victoria, selected double-nosed bulbs	$1.75	$16.00
Emperor and Empress, selected, double-nosed bulbs	1.75	15.00
Golden Spur, selected double-nosed bulbs	2.25	19.00
Double Von Sion, double-nosed bulbs	2.25	19.00
Poeticus Ornatus, double-nosed bulbs	1.00	7.50
Princeps, selected, double-nosed bulbs	1.25	9.50

TULIPS

	100	1000		100	1000
Keizerskroon	$1.25	$10.50	**Murillo**	$1.25	$10.00
La Reine	1.00	8.00	**Couronne d'Or**	1.75	14.00
Rose Grisdelin	1.00	8.50	**Salvator Rosa**	1.75	14.00
Rose Luisante	1.75	14.50	**Gesneriana Spathulata**	1.25	9.50

BERMUDA BUTTERCUP OXALIS. Extra sized bulbs, 75c. per 100, $5.00 per 1000.
FREESIAS, Bermuda-grown. Bulbs ⅜ to ½ inch and up in diameter, 75c. per 100, $5.00 per 1000.
WHITE ROMAN HYACINTHS. Bulbs 12 to 15 c/m, 2000 to the case, $2.75 per 100, $25.00 per 1000; 13 to 15 c/m bulbs, 1500 to the case, $3.00 per 100, $28.00 per 1000.

LILIUM HARRISII

Selected bulbs. The original true stock.
6 to 7 inch, 350 to the caee, $17.50 per case; $45.00 per 1000.
7 to 9 inch, 200 to the case, $18.00 per case; $80.00 per 1000.

HEADQUARTERS FOR FINE FERNS

Nephrolepis elegantissima (improved). The finest of this type, never showing a Boston frond. Has not reverted in the last four years. Strong plants, 2¼-inch pots, $10.00 per 100; 4-in., $20.00 per 100; 6-in. pans, $5.00 per dozen; large specimens, 12-inch pans, $3.00 to $5.00 each.
Nephrolepis Scholzeli. Fine plants, 2¼-inch pots, $8.00 per 100; 5-inch pans, $5.00 per dozen; 8-inch pans, $12.00 per dozen.
Nephrolepis elegantissima compacta. This bears the same relation to elegantissima that Scottii does to Bostoniensis. Dwarf; compact. Fine in the small sizes. 2¼-inch pots, $10.00 per 100; 4-inch, $25.00 per 100; 5-inch pans, $5.00 per dozen.
Nephrolepis superbissima. Very distinct and popular. Fine plants, 5-inch pans, $5.00 per dozen.
Nephrolepis Scottii. Good plants, 5-inch pane, $5.00 per dozen.

Complete list of Fall bulbs and Ferns sent free on application.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants ..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants ..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants ..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

WHITMANI FERNS

6-inch pans, 50c. each, $6.00 per dozen.
7-inch pans, 75c. each, $9.00 per dozen.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

FICUS PANDURATA

6-inch pots, $1.00 each.

RUBBER PLANTS

6-inch pots, $6.00 per dozen.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen.
6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

Please mention the Exchange when writing.

Hydrangea Otaksa

One to two shoots ..... $6.00 to $10.00 per 100
Three to five shoots ..... 15.00 to 20.00 per 100
Six to eight shoots ..... 25.00 to 35.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Azaleas

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.60 per bundle; $27.50 per 1000.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

CASE LOTS AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

GERANIUMS

We have an immense stock ready for shipment. 250,000 in 3-inch pots, and good Standard Sorts, at $3.00 per 100, $25.00 per 1000. 200,000 in 2-inch pots, at $2.00 per 100, $18.50 per 1000.

Our New Descriptive Catalogue will be ready about December 1st, and will be the most complete ever issued. Price list is now ready for all who ask for it.

COLEUS BRILLIANCY. This variety belongs to the Giant-Leaved Section; of strong, vigorous habit, growing from 2 to 3 feet high, with leaves often 9 to 10 inches long, which are of a bright carmine, shading off to a deep maroon, the margins being yellow and green, the whole leaf having a rich, velvety lustre. $4.00 per 100, for plants from 3-inch pots.

	2 inch Per 100	3 inch Per 100
COLEUS, In Standard Sorts	$2.00	3.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2 00	3.00
LANTANAS, Assorted	2.00	3.00
DOUBLE PETUNIAS, Mixed Colors	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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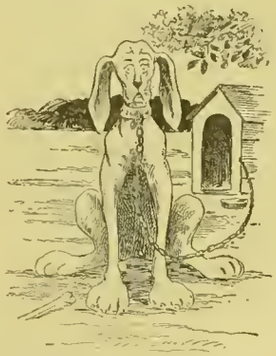

No Doubt

You have been watching for a change. It has arrived. Will allow a 10% discount on the following list for cash.

	100	1000
CALLAS, 1½"-2"	$7.00	
OXALIS, Buttercup	1.00	$8.00
LILIUM Auratum, 8-9	7.00	
Giganteum, 7-9	7.00	
Candidum, 22 cm.	5.00	
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
FREESIAS, Selected	.75	6.50
Mammoth	1.25	9.00
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Keizerskroon, red and yellow	1.25	10.50
Queen Victoria, white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS	2.00	
DUTCH HYACINTHS, Single in colors	2.25	20.00
Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS	1.60	14.00
NARCISSUS, Paper White Grandiflora	1.25	9.00
Von Sion, Single, golden yellow	1.00	9.00
Von Sion, Mammoth Double Nose	2.25	18.50
Double Roman	1.15	9.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

Bargain Offer—Surplus Bulbs

3 cases—2000 each, White Roman Hyacinths 12/15	$19.00 per 1000.
4 cases—1700 each, White Roman Hyacinths 13/15	23.00 "
4 cases—400 each, Lilium Harrisii, 5x7	25.00 "
4 cases—335 each, Lilium Harrisii, 6x7	40.00 "
5 cases—200 each, Lilium Harrisii, 7x9	70.00 "
10 cases—300 each, Lilium Formosum, 7x9	60.00 "
10 cases—250 each, Lilium Formosum, 8x10	70.00 "
20 cases—1250 each, Narcissus P. W. Grandiflora, 13 ctm and up	7.50 "

This special offer is made subject to this lot being unsold, and does not apply to any orders received after November 3rd.

STUMPP & WALTER CO., 50 Barclay Street, NEW YORK

Please mention the Exchange when writing.

P. Vos Ms Gladiolus Pink Beauty

A new, very early, forcing variety. Color, a lovely Peach shade of Pink. In flower three weeks before any other variety.

$40.00 per 1000

C. J. SPEELMAN & SONS, Sassenheim, Holland

P. S. Two First-Class Certificates at Edinburgh.
Two Awards of Merit at Haarlem and Amsterdam.

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Heinemann's Seed Novelties

1911

To the Trade only

MY LIST of the BEST NOVELTIES and SPECIAL LIST will be sent on APPLICATION.

SEEDS of MY NOVELTIES and SPECIALTIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES.

SEED NOVELTIES For 1911

NEW GIANT-FLOWERED VERBENAS in splendid mixture. (See engraving)

DIANTHUS HEDDEWIGI MARGINATUS. SINGLE JAPAN PINK "Silver-edged."

PAPAVER somniferum Single Poppy "Black Prince."

GLOXINIA hybrida crassifolia crispa "Waterloo."

NEW EMPEROR Salpiglossis "Purple Violet with Gold."

F. C. HEINEMANN
Seed Grower
ERFURT, Germany

Please mention the Exchange when writing.

Narcissus Paper White



Grandiflora

STAR BRAND
1000 to case.....$10.50 per 1000

FANCY GRADE
1250 to case.....$8.50 per 1000

REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.00 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$65.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

6-7 in..... 50.00 per 1000
7-9 in..... 75.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store
New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



Selected Single **DUTCH HYACINTHS**

FOR FORCING AND BEDDING

25 Bulbs at 100 rate—250 Bulbs at 1000 rate

Named Sorts—OUR SELECTION—Splendid Bulbs $4.00 per 100; $38.00 per 1000

	100	1000
Single, Separate Colors for Bedding	$2.25	$21.00
Miniature, Separate Colors	1.80	17.00
White Roman Hyacinths (French) 12-15 cm.	2.25	20.00
Spanish Iris Mixed	50	4.00

Full Line of Tulips, Narcissi, Peonies, Etc.

Wholesale Bulb List mailed on request

JOHNSON SEED CO.,

217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

Thick petaled, extra size bulbs, 22-24 in.	12	100	1000
	$0.60	$4.25	$40.00

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

PRIMULA KEWENSIS

Extra strong and fine, $4.00 per 100.

XXX SEEDS

Gaillardia. Grandiflora, hardy, Burbank's Latest Improvement, giant flowers, brilliant colors, pkt. 25c. Grand.

Shamrock True Irish Green, sow this Fall, packet 25c.

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum. Finest Giants Mixed, 200 seeds $1.00; ½ packet 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count. WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

$ Need Money, Need Room $ For cash only

NARCISSUS Poper White Grandiflora, Mammoth, $8.00 per 1000.

NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.

ROMAN HYACINTHS, 12-15 ctms., $23.00 per 1000.

LILIUM Harrisii, 7-9 inch, $8.00 per 100. Special low prices on DUTCH BULBS, BOXWOOD, BAY TREES, etc.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

Novelties in Flower Seeds for 1911

Descriptive List Free on Application.

FREDRICK ROEMER

Seed Grower, QUEDLINBURG, GERMANY

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

Thorburn's Bulbs

For Florists for forcing at low prices, in cases only.

PAPER WHITE GRANDIFLORUS NARCISSUS, 13 cent. and up, $7.50 per case of 1000 bulbs. A few cases left.

LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.

LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.

Also, LILIUM HARRISII, all sizes, send for prices per 1000.

Cold Storage Lily of the Valley Pips, best German grown, a few left over at $10.00 per case of 1000, in case lots only.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.50	5.00
Superbum, white with dark eye	.50	5.00
Roseum, Rose V. Marlenthal	.50	5.00
Salmoneum	.50	5.00
Lilacinum, beautiful lilac	.50	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

LILIUM HARRISII

(TRUE TYPE)

Extra size, 7-9 inch circumference, $8.00 per 100 bulbs; $15.00 per case of 200 bulbs.

WEEBER & DON

SEED MERCHANTS and GROWERS

114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Oct. 19.—W. Elliott & Sons, 11 cases bulbs; MacNiff Horticultural Co., 11 cases bulbs; J. W. Hampton, Jr. & Co., 3 cases bulbs; P. C. Kuyper & Co., 3 cases bulbs; Lunham & Moore, 2 cases trees. Oct. 20.—M. Mutillod, 3 cases plants; R. J. Goodwin & Sons, 80 double bags seeds. Oct. 22-23.—H. Nungesser & Co., 315 bags grass seed; Thorburn & Co, 30 bags grass seed; F. B. Vandegrift & Co., 7 cases bulbs.

SEDALIA, MO.—At the recent Missouri State Fair, the Archias Seed Store was awarded first for largest and best display of farm and garden seeds.

BOSTON.—Seedsmen and other dealers report that bulbs have sold well so far, but that large quantities will be moved as soon as we get a hard frost. The demand for May flowering and Darwin Tulips has more than doubled since last year, and these varieties are practically sold out now. We are pleased to note this as these are the most useful and showy of all the Tulips.—R. C.

HOUSTON, TEX.—The Reichardt & Schulte Co., known all over the South by its trade name of "The Texas Seed House," is now permanently installed in its new building at 206-208 Milam st. While the interior is still in an incomplete state, when finished it will be the most uptodate and neatest seed house in the South, and equipped with all modern conveniences. The present storage capacity is figured to meet all requirements for years to come. Occupying three floors, a fifty-foot frontage and a depth of 100 ft., gives it a floor space equal to seven times the space formerly occupied.

DES MOINES, IA.—Mr. and Mrs. Chas. N. Page were happily reminded of their twenty-fifth wedding anniversary, Oct. 21, at their home on Kingman boulevard. Mrs. Page, who had returned only the night before from a three weeks' visit in New York State, was called to the door by a messenger who delivered an artistically decorated box into her curious hands. It was opened with the eager expectation of disclosing a feast of cut flowers. Instead, a handsome silver tea service was found securely tucked away in its capacious depths to remind her of an interesting event of twenty-five years ago which it so beautifully commemorated. It was the gift of the many employees of Mr. Page, representing the store, greenhouse

The Japanese standard of measure for bulbs is the "Sun," which is larger than our "inch." Now the average grower knows that the 7 inch bulb is much smaller than the 7 Sun bulb and we sometimes believe he overestimates the difference.

Last year we imported a quantity of bulbs packed in the "Sun" measurement and found that they ran very regular and were in every way superior to the average packing in inch measure. Of course, growers want to see this packing before they buy in quantities, so we have this year a quantity of Horseshoe Brand Giganteum packed in "Sun" measure. They are ready for delivery now. You can have size 6 Sun for $21.00 per case of 350 bulbs; size 7 Sun for $22.00 per case of 260 bulbs, and 8 Sun for $21.50 per case of 180 bulbs; all from the finest fields in Japan.

You will not regret it if you give these bulbs a trial this year, even if it is only one case.

RALPH M. WARD & COMPANY

"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Order bulbs now for Cold Storage shipment during 1911—now's the time.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Fimbriatum Carminee—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

Please mention the Exchange when writing.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

Stokes Seeds Philadelphia BULBS

CUT PRICE TO CLEAR

NARCISSUS—Paper White Grandiflora. Fancy Grade—1250 to case, $7.25 per 1000.

	Per 100	Per 1000
WHITE ROMAN HYACINTHS, 12 to 15 ctms. 2000 to case	$2.00	$19.00
TULIPS, Belle Alliance	1.80	16.00
" La Reine (Mother Bulbs)	.90	7.50
" Superline Mixed	.75	6.00

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior**, white, claret base. **Grandiflora Alba**, giant pure white. **Mauve Queen**, mauve. **Mont Blanc** white. **Picturatum**, giant light rose, claret base. **Prince of Wales**, giant bright red. **Rosy Morn**, delicate rose, tinted claret base. **Giant Salmon King**, extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed**, all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

Contract Seed Growing—Crop of 1911

Before placing your orders for **RADISH**

SOUTHERN GIANT CURLED MUSTARD, etc., etc.

elsewhere, ask for my contract prices for these seeds.

Special low prices for large quantities. Write for particulars and terms, direct to

HOMMO TEN HAVE, WHOLESALE SEED GROWER Scheemda, Holland

Please mention the Exchange when writing.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

Pansy World's Fair Strain, Giant Flowers, blue, stocky, field-grown plants, $3.00 per 1000.

Ferns Pot-grown, Boston, Piersoni, Whitmani and Amerpohli, 2½-in. $4.00 per 100; from 4-inch $15.00 per 100. Cash or to exchange for Cinerarie, Primula Chinensis Obconica and Carnations, true to name.

SHELLROAD GREENHOUSES. Grange, Baltimore, Md.

Please mention the Exchange when writing.

Prices Advertised for the Trade Only

Crimson Clover

New Crop Imported Seed

At very attractive prices

Send for our extremely low prices and samples on No. 1 KAFFIR CORN for Poultry Food Mixtures.

J. BOLGIANO & SON, Importers and Wholesalers

1818 BALTIMORE, MD. 1910

Please mention the Exchange when writing.

and warehouse force of the Iowa Seed Co., for their silver wedding anniversary.

European Notes

It hardly seems possible that we should be crying out for rain, but such has been the case, and for once our wishes have been gratified, for during the present week fully 1½ inches of rain have fallen in several districts; but much more is needed if the work of transplanting is to be properly carried out before the short, dark days set in.

Although rain fell nearly every day during the past Summer, the quantity was only sufficient to keep the surface moist and hinder work on the land; but when we dig down more than one foot below the surface the soil is quite dry, and on heavy lands resembles a burnt brick. This accounts for the poor development of all our Brassicas, especially those which, owing to the land not being clear of the current season's crops, could not be transplanted until six or eight weeks after the proper time.

Unless mild, showery weather continues right up to Christmas there cannot be any very large crops of these next year.

As the grain market is a little easier just now, there will not be the same eager anxiety on the part of the growers to destroy half a plant of Cabbage so as to sow the land down to Wheat.

The dry spell has enabled growers of Radish seed to thresh some of the earliest varieties, and it must be confessed that the results are very disappointing. Lack of sunshine in July and August has caused a lot of the seed to be poorly developed, and many of the pods contain only one or two seeds, so that there is no fear of any surplus on this side. The "straw seed" threshed out by the English growers in June is of the usual quality, both in appearance and germination. It is an established fact that this seed retains its vitality fully two years longer than the same seed threshed in the Autumn. The growth is also more regular and the quality of the root produced is in every way superior.

Among other crops which are coming out much below estimates, Parsnip and Parsley must be specially mentioned, as the English growers fully expected to have a surplus of both. The plants looked so vigorous in July that a full average crop appeared to be assured, but recent threshings of both are, like every crop this season, extremely disappointing. The waste in cleaning is responsible for the trouble.

EUROPEAN SEEDS.

American Notes

Business Continues Good

We are still having a good, steady Dutch bulb business, in spite of the fact that general hard frosts have not as yet materialized in many sections. If we could have some freezing nights, that would put an end to the bloomiug of bedding stock, there would at once be a very brisk retail counter bulb business. Ever since the bulb planting season began, the latter part of August, a most steady and satisfactory trade has been done by everyone handling bulbs but, as yet, there have been none of the rushes that we generally have, although this condition cannot last much longer and the retail sales are sure to improve with a bound the moment cold nights materialize. Speaking of surplus bulbs, there is very little in this line that has been as yet reported. On the other hand, there are many shortages which will be acutely felt when the rush orders do come. There are many weeks yet for the disposal of hardy bulbs and it looks as if the season were sure to round out to everyone's satisfaction.

Garden Peas

The shortage in the Pea seed crop of the past season is turning out, as has been forecasted in these columns several times during the last few months, to be a most alarming one. It is more than that; it is, as a very prominent seedsman put the matter this week, "a calamity." The writer has just received a close estimate from one of the most reliable growers of Garden Peas in this country, and when the best that can be said of the average

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed. Trade Pkt 50 cents.

Large-Flowered-Prize Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

CAULIFLOWER SEED CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.



Increase Your Store Sales

An attractive window display will sell hundreds of bulbs daily. WHY NOT YOU?

CHINESE SACRED LILIES

We import these annually in quantities exceeding hundred thousand, and are in position to offer

MICHELL "DISTINCTIVE" QUALITY

At these astonishing, **Money-Making** figures:

Per original Basket of 30 bulbs $1.15
Per original Bale of 120 bulbs 3.85

For larger quantities we quote special prices.

HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.
NOTE OUR NEW NUMBER

Please mention the Exchange when writing.

returns from the Pea seed crop is as low as one and a half to two-fold, it will be appreciated what the short crop of 1910 will mean to our seedsmen when they try to supply their customers with next Spring's needs. The growers above referred to have written as follows: We now have received into our warehouses at least 60 per cent. of our plantings of Garden Peas. Of course, it is yet too early to say what the final result will be, but from the returns on Garden Peas already received, and estimates made on what is to come, we herewith send you what is at least a fair idea as to deliveries to our customers next month. We here estimate percentages of contract deliveries as follows:

Abundance, 25 per cent; Admiral Dewey, 20; Advancer, 30; Alaska, 10; Ameer, 10; Black-Eyed Marrowfat, 50; Bliss' American Wonder, 25; Canada Field, 20; Carter's Daisy, 20; Champion of England, 15; Duke of Albany, 15; Dwarf Grey Sugar, 10; Dwarf Telephone, 10; Dwarf White Sugar, 10; Everbearing, 15; Extra Early, Rice's, 30; First and Best, 35; First of All, 30; Gradus, 10; Heroine, 10; Horsford's Market Garden, 15; Improved Sugar Marrow, 35; Juno, 20; Long Island Mammoth, 25; McLean's Little Gem, 20; Nott's Excelsior, 15; Premium Gem, 20; Pride of the Market, 20; Prince Edward, 10; Prince of Wales, 10; Queen, 10; Shropshire Hero, 40; Stratagem, 15; Sutton's Excelsior, 10; Tall Grey Sugar, 10; Telephone, 10; Telegraph, 20; Thomas Laxton, 10; Tom Thumb, 20; White Marrowfat, 20; Yorkshire Hero, 15.

When it is realized that 20 per cent. or less is practically only a return to the grower of the seed stock he planted, it will at once appeal to you how disastrous the present seed crop of Garden Peas is turning out. The writer well realizes that many dealers will say "Oh! There will be seed Peas enough when the time comes!" But such is not going to be the case.

Dutch Bulb Retail Prices

The writer has been receiving many complaints from prominent seedsmen in many parts of the country, that the department stores have, this season, been cutting retail bulb prices more than ever, especially, of course, on Hyacinths, Tulips, Narcissus, Crocuses and a few other of the popular selling bulbs. While this is the case, it is worthy of note that even considering the large amount of bulb stock sold by the department stores, such sales have interfered little with the legitimate bulb business; and for the reason that each succeeding season the best retail bulb trade is becoming more and more discriminating, and buying named varieties, and as the department stores, as a whole, only carry the cheapest mixtures possible, it would seem, as the years pass, that such competition will interfere less and less with legitimate bulb selling.

V.

Bulb Industry of the Netherlands

The following information concerning the bulb industry of the Netherlands is taken from an article entitled "Market Gardening in Holland," published in the Department of Agriculture Journal for Ireland, July, 1910:

Since 1750 the cultivation and export of bulbs has been regularly carried on in Holland, though the trade only reached its present enormous proportions during the last decades of the nineteenth century.

The bulb growing industry was first confined to Haarlem and its vicinity, but has gradually extended wherever a suitable piece of land was available. In order to grow bulbs, meadows have been transformed and sand dunes leveled. The preparation of land for this purpose is often very costly, and the value of the best plots varies from £320 to £500 ($1557 to $2433) an acre.

The export statistics of the industry, which have been carefully kept since 1897, show that the total export has very largely increased in the last ten years. The value of this export can not now be less than £800,000 ($3,893,200).

England is still Holland's best customer for bulbs, taking nearly 40 per cent. of the total export. The number of bulb exporting firms in Holland is about 200; there are also over 2500 growers who do not export directly, but send their produce through the larger firms. The number of persons employed in the bulb industry is estimated at 4000.

The Dutch bulb growers are organized into a general federation, which now numbers nearly 3000 members and is divided into 37 local groups. A paper is published twice a week, weekly exchanges are held during the trade season, novelties are examined and reported upon by a committee of judges and a trade council inquires into and decides all trade differences. Many exhibitions have been organized by the federation, and of late exhibits have also been sent to foreign countries. In addition to the general federation, there are two special societies, one to protect the interests of bulb exporters and the other to protect those of growers who do not export.

Imports and Exports by Countries

The following statement showing the quantities of bulbs imported into and exported from the Netherlands in 1908 and 1909, in kilos of 2.2 pounds, is furnished by Consul Frank W. Mahin of Amsterdam:

Country	Imports 1908	Imports 1909	Exports 1908	Exports 1909
France, Belgium, Italy, Spain, Portugal and Greece	340,100	458,200	743,000	945,100
Germany and Austria	37,100	52,000	4,179,100	4,733,500
Russia	400	1,000	429,700	519,100
Scandinavia	5,100	1,800	1,183,200	1,709,400
United Kingdom	359,400	501,800	5,028,600	6,478,800
United States	199,200	180,200	2,730,000	3,483,200
All other countries	24,100	33,400	38,900	53,400
Total	965,700	1,231,400	14,332,500	17,922,500

Lily of the Valley Pips in Germany

Crop reports from Germany are to the effect that the wet season there has caused a shortage of Valley Pips, especially in the higher grades. The quality is not up to last year's standard.

New York Seed Trade

J. M. Thorburn & Co. have had a very busy week indeed, and just as soon as we have some hard frosts they expect to be even busier at both wholesale and retail in so far as Dutch bulbs are concerned.

The Aphine Mfg. Co. has been receiving a particularly large number of orders the past few days for their insecticide, Aphine. This is not at all extraordinary, as some very excellent reports regarding the efficiency of this insecticide are being received from many and varied sources by the company. In fact, almost every seedsman who handles horticultural sundries would seem to have added this item to his stock.

Wm. Elliott & Sons have received their first invoices of Lilium auratum bulbs, and their customers are taking advantage of the mild weather to get them into the ground this Fall.

Street peddlers are beginning to make their usual cheap offerings of Dutch bulbs, the prices asked signifying the qualities. The going rates of these street "fakirs" are about 25c. to 35c. per dozen for Hyacinths and Narcissus, and 15c. to 20c. per dozen for Tulips.

At Boddington's, the bulb business continues very satisfactory. Among the large orders received by this house in the past week has been the bulb contract of the Essex Park Commission of Newark, N. J. Mr. Boddington himself has been attending, this week, the annual Autumn flower show at Lenox, Mass.

A number of New York seedsmen will make trade exhibits at the Morristown, N. J., show next week, Nov. 2 to 4. The occasion will be a notable one, as the Chrysanthemum Society of America joins with the Morristown Society in the exhibition. At this show there will be $3000 offered in prizes.

Peter Henderson & Co., for Hallowe'en,

Hyacinths · Tulips · Narcissus

BEST QUALITY FOR FORCING AND OUTDOOR GROWING

ALL THE LEADING NAMED VARIETIES

SPECIAL OFFER: As an inducement to secure orders for a general line of bulbs we quote:—

HYACINTHS, UNNAMED SINGLE, any color, $2.10 per 100, $19.50 per 1000.

TO SECURE THESE PRICES MENTION THIS PAPER

Send us an order for other varieties

See our Advertisement in issue of October 15th

IF YOU WANT THE BEST QUALITY OUR PRICES ARE LOW

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

Please mention the Exchange when writing.

Lily of the Valley—Cold Storage

$15.00 per 1000, $1.75 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.

Bulb Bargains!

AT COST, TO CLOSE OUT REMNANTS!

Hyacinths

	First Size 18 centimetres and over; 4 Cents	Second Size 16 to 18 centimeters 3 Cents	Miniature 1 1-2 Cents
BARON VAN THUYLL	Exhausted.	17	
GERTRUDE		150	970
GIGANTEA		270	700
GRANDEUR MERVEILLE			21
GRAND MAITRE			900
KING OF THE BLUES			75
L'INNOCENCE			570
LA PEYROUSE			23
ROI DES BELGES		70	200
ROSEA MAXIMA			23

Tulips Quality Guaranteed

	SINGLE	100	1000
475	ARTUS	$1.00	$8.00
5000	KEISERSKROON	1.00	8.50
700	YELLOW PRINCE	.70	
100	DUC VAN THOL white	1.00	
150	ROSE GRISDELIN	.80	
350	DUC VAN THOL, scarlet	1.00	
125	BELLE ALLIANCE	1.50	
385	GOLDFINCH	.75	
5500	LA REINE	.80	7.00
300	PROSERPINE	1.50	
220	VERMILION-BRILLIANT	2.00	

		100	1000
835	CANARY BIRD	$0.75	$6.00
855	WHITE SWAN	.75	6.00
485	MON TRESOR	.75	6.00
1485	ROSE LUISANTE	.75	6.00
325	L'IMMACULEE	.70	6.00
	DOUBLE		
1550	COURONNE D'OR	1.25	10.00
3920	MURILLO	1.00	9.00
270	RUBRA MAXIMA	1.00	
175	TOURNESOL	1.25	
925	LA BLASON	1.00	9.00
50	SALVATION ROSE.	1.00	

Narcissus

		Per 1000
1500	GOLDEN SPUR, single, first size	$1.00
500	EMPEROR, single, top-roots, 3 and 4 noses	1.25

Spanish Iris

		Per 1000
5000	Fine Mixed	$4.00

Quality guaranteed; satisfaction assured. Write or wire. These prices will close 'em out mighty quick.

JACKSON & PERKINS CO.

Wholesale Only *Florists and Nurserymen*

NEWARK, Wayne County, NEW YORK

Please mention the Exchange when writing.

CALLA ELLIOTTIANA

The Golden-Yellow Calla

READY FOR IMMEDIATE DELIVERY

Mammoth Bulbs, $20.00 per 100, $175.00 per 1000. **First Size Bulbs,** $15.00 per 100, $125.00 per 1000.

WATSONIA ENDERSII

Mammoth Bulbs, $5.00 per 100, $40.00 per 1000.

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA

SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

500,000 GIANT PANSIES $2.00 per 1000

DOUBLE DAISIES, Giant Strain, Snowball and Longfellow, $2.50 per 1000, 2000 for $4.50, 5000 for $10.00.

SWEET WILLIAM, Single Mixed, 50 cts. per 100.

ANTHEMIS TINCTORIA, Fine Seedlings, 75 cents per 100.

DOUBLE PETUNIAS, Named, 2 inch, 2 cents.

DOUBLE ALYSSUM, Giant, 2 inch, 1½ cents.

HELIOTROPE, Blue, 2 inch, 1½ cents.

DOUBLE HOLLYHOCKS, 4 colors and mixed, 2½ cents.

FERNS Runners, Amerpohli and Whitmani, 2 cents, for 4 inch 10 cents.

LIST FREE BARGAINS CASH

SHIPPENSBURG FLORAL CO. E. W. BYER, Prop. **SHIPPENSBURG, PA.**

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

have illumined their show windows this week with several real old-fashioned jack-o-lanterns lighted by electricity. Besides the Pumpkin faces, an arrangement of ears of Corn, with electric bulbs inserted at the ends, forms a very unique display which has attracted much attention.

Vaughan's Seed Store reports a large demand for hardy Chrysanthemum plants, and this week has been showing the blooms of many of the better varieties, taking orders for the same for this Fall and next Spring's delivery.

Philadelphia Seed Trade

Retail bulb trade for outside planting would be stimulated by colder weather. Even with weather conditions such as have existed this Autumn, good authority among the seedsmen asserts that, in Philadelphia, named varieties of Dutch Hyacinths are already scarce, and double nosed Von Sion Narcissus are not plentiful. It is noted that some Grass seeds, especially lawn mixtures, are still selling. The seedsmen who handle nursery stock are doing some business, but it has been curtailed by the drought, which was only recently broken.

The Henry F. Michell Co. is moving today (Oct. 24), and yet everybody connected with this company looks happy and seems good natured. Why not, when moving into one of the handsomest, and best equipped seed stores in this country? The company expects soon some late shipments of Dutch bulbs in view of threatened shortages. Maurice Fuld, the Michell catalog and advertising manager, is just now selecting a taking cover for the new catalog. The old adage says "The proof of the pudding is in the eating," and surely the proof of the quality of a strain of seeds is shown in the vegetables grown from them. Apropos of this remark there are in the Michell store window twelve enormous Bermuda Onions, grown by J. McGranahan, gardener for Mrs. Edward Coles, Bar Harbor, Me., and some New York Improved Egg-Plant fruit of great size, grown by Michael J. Bray, gardener for Samuel Eckhart, Devon, Pa., and some immense ears of Golden Beauty Corn, grown by Charles Zann, gardener for Mrs. Wilbur Morris; all of these from Michell's seeds.

Walter P. Stokes was found on Monday hard at work as usual, with a complacent look, however, on his face, for on his desk was a periodical in which was printed a report of a paper read at a recent meeting of the Ohio State Horticultural Society by J. H. Gourley, ass't horticulturist of the Ohio Experiment Station. Speaking of Tomato trials, Mr. Gourley says: "The Bonny Best Tomatoes (brought out by Walter P. Stokes), did better than any other early variety we have ever tried for forcing." Again, he speaks of the Bonny Best's "beautiful color, medium and uniform size and prolificacy." To go with this report as it were, Mr. Stokes had a photo of a basket of Bonny Best Tomatoes, raised under glass by R. Cane of Washington State. Another photo showed a field of Golden Self Blanching Celery, with some rows in the process of further blanching by use of Celery paper. This photo was the best of its kind ever seen, and the grower was A. P. Seabrook of New Jersey.

Clarence W. Moore, of the Moore Seed Co. says the seed Bean outlook, in view of after reports, is worse than ever. Here is a sample report: "My crop of Refugee Wax Beans is a total failure, and I will not be able to deliver any." A letter from a Danish grower announces a 30 per cent. shortage of "tall Amager Cabbage" and a probable shortage of Cauliflower seeds, where a short time ago a surplus was expected, the change being produced by wet weather.

Work on the new Dreer range of greenhouses at Riverton is progressing. A well, 15 ft. in diameter, is being dug to such a

Gorgeous Iris

FOR FALL PLANTING

GERMAN

	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling.	25.00
PARKMANI. Uprights pure lemon; falls white veined purple.	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best.	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00

Single

APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs

Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

ARE YOU LOOKING

For **Lilium Giganteum** and **Multiflorums; Lilium Auratum, Album, Rubrum** and **Melpomene;** also **Valley?** We can supply the above, in the **VERY BEST GRADES OBTAINABLE,** at short notice.

WE HAVE THE STOCK.

Prices given on application.

SKIDELSKY & IRWIN CO.

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DELPHINIUM FORMOSUM

HARDY LILIES

Tenuifolium, Wallacei, Hensoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

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Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

F. E. — Alert and Up-to-Date

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store

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MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England. PRICES

Per 100 lbs. ..$6.50
Per 1000 lbs...50.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks, $1.80; per 25 Bricks, $3.50; per 50 Bricks, $6.50.

Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut St. PHILADELPHIA, PA

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Trade Mark American Spawn Co., St. Paul, Minn

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DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

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Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

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PANSIES

150,000 Giant Prize Pansies
Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

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COMMERCIAL VIOLET CULTURE Price $1.50

A. T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N. Y.

Giant Pansies. The finest strains and finest plants the market affords, as follows: Our Own Specials, Our Cut Flower Collection, Masterpiece, Bugnot, Mme. Perret, Giant Prize, Trimardeau, Fire King, Orchid-Flowered, Peacock, Snow Queen, Emperor William and Fairy Queen, strong, field-grown plants, your own selection, 3.00 per 1000 or $5.00 per 2000. Our selection of all above kinds, Mixed, at $2.50 per 1000, $4.50 per 2000, $10.00 per 5000. ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.

Please mention the Exchange when writing.

depth as to give an inexhaustible supply of water. The store window exhibit at 714 Chestnut st. this week is one of Pumpkins and Squashes, of quality rather than great size.

The Johnson Seed Co. is featuring "Hallowe'en Pop Corn." White pebbles to use in dishes where Chinese Sacred Lilies are grown are a new introduction. The Pumpkin and Squash exhibit of this company, including the 160 lb. Giant Chili Pumpkin, was sold as a whole to Strawbridge & Clothier, 8th and Market sts.

Nellie Thilow, eldest daughter of J. Otto Thilow, secretary of Henry A. Dreer Inc., died at Riverton, N. J., at the home of her father on Thursday, Oct. 20, and was buried on Saturday at Palmyra, N. J. Miss Thilow was thirty years of age, and had been an invalid nearly all of her life. Death came after a long illness, and she has entered into that rest compared with which all other rest is ephemeral.

Wilmington, Del.

Trade here is picking up very nicely after the usual Summer quiet. The recent convention of firemen made it possible for several of the local retailers to try their hands at decorations and design making, and the local papers had considerable to say regarding some of their work.

Louis Sines, 205 W. 7th st., had a window display showing a fireman's badge, a fire alarm box, and a trumpet made of Cape flowers. This display was visited by nearly all of the visiting firemen and was honored by having the several visiting bands playing in front of the store at different times during the week. Mr. Sines has been here for seven years and is enjoying a very good trade, especially so in design work.

Sines & Welch, 219 W. 8th st., have an attractive, well arranged store, with splendid display facilities, and have been busy all the past season; they believe they are getting their share of the trade from a population of over 90,000.

Geo. Carson Boyd, 214 Walnut st., is building a new store near 10th and Tatnal sts., which will be finished in a short time. Mr. Boyd has eight houses devoted to a mixed stock suitable to his retail trade and reports he is always busy.

Several of the local growers attend the King st. outdoor market on Wednesdays and Saturdays. This market extends several squares on one side of King st., and one can buy anything which can be grown by the market gardener, florist or farmer. Landis Bros. of Newcastle, Del., attend the market and handle quantities of cut stock and potted Ferns. This firm was established some 50 years ago, and has nearly 10,000 sq. ft. of glass, devoted to bedding stock, Ferns and cut flowers.

Mrs. John J. Kuratle of Franklin st. and Shallcross ave., attends market regularly and has some nice trade in cut and potted stock. Since the death of Mr. Kuratle, on Jan. 14, last, she has managed the five houses and built up a good trade in funeral work.

Potter the Florist, 2401 Market st., has kept busy all Summer, rebuilding his old and building new houses until he now has about 22,000 sq. ft. of glass, most of which is devoted to Carnations and Roses. At this time he has several houses of Chrysanthemums, which will be followed by Sweet Peas and some 90,000 bulbs for Christmas and Easter. This range is unique in that it is built in and on a side hill. The office store and heating plant are located on the street level, and the second floor is devoted to growing purposes. A concrete storage box has been built under one house and is large enough to handle all stock which can be cut here.

G. W. Brinton & Son have some 30,000 sq. ft. of glass devoted to mixed stock, for wholesale and retail trade, growing Ferns, Palms and bedding stock, Chrysanthemums, Carnations, etc. At the Farmers' Market they have had a splendid display of their stock and generally manage to dispose of a large quantity. This firm is one of the oldest in town, having started over 25 years ago. Funeral work has been fairly good all Summer with them, and is now increasing considerably.

P. M. R.

Cost is measured by the results obtained and in no other way

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

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5,000 GOVERNOR HERRICK VIOLET PLANTS

Strong, Healthy Stock; $3.00 per 100, $25.00 per 1000

Cash with Order.

NIKOLAUS HOFMANN, NANUET, (Rockland County), N. Y.

Please mention the Exchange when writing.

Violet Plants

Doubles all sold, but have several thousand extra fine plants of LA FRANCE left, at $5.00 per 100.

RICHARD LANGLE

North Street WHITE PLAINS, N. Y

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PRINCESS OF WALES Violet Plants

Large Field-Grown Plants, No Disease, $5.00 per 100, $45.00 per 1000.

Asparagus Plumosus Nanus

2¼ inch, $3.00 per 100, fine plants.

WHITE PLAINS NURSERIES

29 Railroad Avenue, White Plains, N. Y.

Please mention the Exchange when writing.

Giant Pansy FINEST MIXED

2000 seeds, 50c.; ¼-oz., $1.00; ½-oz., $1.75; 1-oz., $3.00

MIGNONETTE, Machet, new crop, selected seed, pkt. 15c., oz. 50c.

ASPARAGUS, Sprengeri, 2½-in pots, $2.25 per 100.

Cash with order.

LAKEREST GREENHOUSES

SHANDELA, Sullivan County, N. Y.

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CALIFORNIA VIOLETS CHEAP

Strong, healthy, field-grown clumps (none better), to close out, $3.00 per 100, $25.00 per 1000. Well packed to carry safely. Satisfaction guaranteed.

CHARLES BLACK, FLORIST AND NURSERYMAN

HIGHTSTOWN, N. J.

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Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.

Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.

PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.

DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.

PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.

PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.

ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

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EIGHT THOUSAND

Violet Plants

Healthy, Field-Grown Plants

LA FRANCE, $5.00 per 100, $45.00 per 1000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N. Y.

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Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	2.00
Obconica Giganten	3.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

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PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants

In Mixed and Separate Colors, $2.50 per 1000, $10.00 per 5000 lot. Fine, Stocky Plants. Cash with order.

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Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.50 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with order

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Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.

Hightstown, N. J.

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Fall Price List—200 Sorts

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

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American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
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Dorothy Perkins
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Wedding Bells

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Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

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64 Years GENEVA, N. Y. 800 Acres

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216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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OUDENBOSCH, HOLLAND

Proprietors { U. J. HEERMA VAN VOSS, H. A. M. SWELLENGREBEL

Write at once to our American Agent:

Leonard Oorthuys

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I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

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40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 18 to 24 in., 5. each.
NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

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Nurserymen and Florists Lockport, N. Y.

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Rhododendron, select hardy varieties.

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Prices Reasonable. Wholesale Trade List for the Asking

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Bushy, potted vines, from 4-inch pots, $10.00 per 100, $90.00 per 1000.

Other Vines, Perennials, Shrubbery and a General Line of Nursery stock, in large quantities.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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Mount Hope Nurseries ROCHESTER, N. Y.

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EBBINGE & VAN GROOS

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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

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Hollyhock Plants

Double White, Yellow, Salmon, Pink, Red and Maroon; extra strong transplanted roots, $6.00 per 100, $50.00 per 1000.

	100	1000
AQUILEGIA Coerulea (true)	$6.00	$50.00
DELPHINIUM Formosum ..	6.00	50.00
PAPAVER Orientale	5.00	40.00
PAPAVER Orientale, 4-in. pots	6.00	50.00
PYRETHRUM Roseum	4.00	35.00

Write for list of other Perennials, and samples to,

GEO. F. KIMBEL, Flourtown, Pa.

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Berberis, Snowball, Spiræa and Other Fine Shrubs

Stock of unusual quality

Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

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PEONIES

Our Seventeenth Year. Prices Right.

Write for List to-day

GILBERT H. WILD, Peony Grower, Sarcoxie, Mo.

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinispores, Arbor Vitee, Coloredo Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

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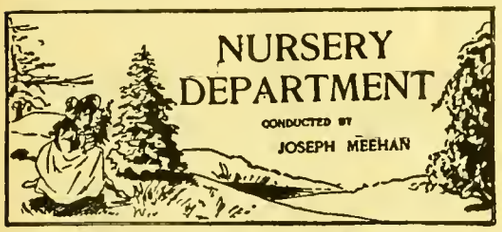

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

NEW HAVEN, CONN.—The Elm City Nursery Co. has just let contracts for a large addition to its packing shed facilities, and also storage cellars where Bay trees and other half-hardy plants can be stored through the Winter. It is also extending its office floor space and adding to its drafting room.

MARTINSBURG, W. VA.—The Cherry Run Orchard Co. has been incorporated to conduct a general nursery business, grow fruit trees and own orchards; capital, $25,000; incorporators: Charles Burdett Hart, Wheeling; Alex. Clohan and Ben J. Thompson, Martinsburg, and John L. Lehman, Fairmont, W. Va. The McKown Orchard Co. has also been chartered to conduct a general fruit and orchard business in Berkeley County; incorporators: H. H. McKown, Innwood, W. Va.; Alex. Clohan, T. W. Martin, H. L. Alexander and Max Von Schlegell, all of Martinsburg.

Spiræa sorbifolia

When not in leaf the Spiræa sorbifolia is not a shrub that attracts, because of the few shoots it makes, appearing to lack the foundation of a handsome Summer blooming shrub; but those who think this of it in Winter would be agreeably disappointed were they to see it when in leaf and flower in Spring. What it looks like then our photograph shows, but at the time the picture was secured many of the plumes of its white flowers were not at their best.

It is strange that so many pinnate-leaved trees and shrubs make but few branches. It seems a wise provision of Nature, for with their abundant pinnate leaves there would not be room for their full development were their shoots more abundant than they are. If the shrub before us was some other one, say a Barberry, its size would indicate a thousand shoots, perhaps; while if this Spiræa has fifty it is probably as many as it has, and, as said, this sparseness gives an unfavorable impression to those who see it when not in leaf.

Because of its foliage resembling that of the Mountain Ash, Sorbus, this Spiræa is known as S. sorbifolia. It is considered a great embellishment to ground it occupies, when in leaf and flower. The heads of flowers are large, plume-like in appearance, white, in full display in rather late Spring, and every strong shoot bears a head of flowers.

During the Civil War, at Gettysburg, a body of Philadelphia troops, known as the "Bucktail" regiment, fought where a specimen of this Spiræa was growing. Some young plants of it were brought home later and distributed among the old survivors under the name of the "Bucktail Shrub," a not inappropriate name, aside from its association to them, considering its plume-like flowers; and locally it is now known there under this name.

Its native home is Siberia, accounting for its hardiness.

Viburnum Wrightii

With the ending of the floral display of shrubs, which comes with the waning days of September, we are better able to give attention to that made by the bright berries of shrubs, particularly those of a scarlet color or nearly so. In fact all berries are noticed more then than at any other period and, because of this, those who have the plantings of grounds often set large clumps of particular shrubs in certain positions, to give a color display of berries at some particular season.

Viburnum Wrightii is not a new shrub, still it is among those deemed uncommon in cultivation. At its flowering period, in Spring, there is nothing particularly uncommon in its blossoms, its little clusters of white flowers being no more attractive than those of many species long in cultivation. It is in late Summer and Autumn that its great attraction is evident, in its display of its scarlet berries. When in vigorous growth there is a cluster at the end of every shoot. The cluster starts from the apex of the shoot, making a stem of about a half inch in length; it then divides itself into a triangular division, and this division is again divided, then bears small scarlet berries on short stems. These berries are about the size of those of the deciduous Holly, but are oblong, not round. Owing to the divisions of the stems of the bunches, the berries are not clustered, but stand out apart from each other, adding to the charming effect red berries always give in Autumn.

We owe much to Viburnums for their usefulness in plantings. The Snowball section is greeted by all in early Spring, then those of handsome foliage, represented by V. nudum, in Summer, and, lastly, those with beautiful berries, such as Wrightii, cassinoides, Lantana, and even the prunifolium for the last days of the season.

Planting in Early Autumn

Examples, continually before one, of the success attending the early planting of trees in Autumn are sufficient to convince the most skeptical that the early Autumn is a good time, if not the very best, to do such work, whether the subjects to be planted be shrubs or trees, deciduous or evergreen. There really should not be the loss of a single plant because of the season. The remark is sometimes heard that, with care, planting can be done at any time of the year; and this is true, but not more true than this: that early Autumn is the best of all times. With deciduous subjects, perhaps, the worst time is in late Spring, just as the foliage is fully matured, and for this reason: the foliage has been supported by the stored-up sap of the previous season, and if this foliage be lost in the transplanting, which it is apt to be, there is no fund of food stored up by the roots to push forth a fresh crop of leaves. This is why it is urged that when planting is done at that season efforts should be made to preserve some of the foliage, sustaining it by waterings daily for a week or more after the operation of planting.

The reverse of this occurs with early Autumn planting. The leaves have been working since Spring, storing up sap for the future development of the plant, and their work is over for the season, or so nearly over that their retention is not essential, and all should be cut off. Then when planted the soil should be thoroughly soaked with water, after it has been made fine, that the water may carry it solidly around the roots. With planting well done not a tree or shrub need be lost, in fact, if the work be done some six weeks in advance of freezing weather so active will the new roots become that the sap stored up in the older ones will be called into action in producing a few new leaves, especially so if pruning of the tops has been done at the time of planting. Such trees are in splendid condition for wintering and for growing in Spring, as they are, in fact, already established, and are not in the condition of those planted in late Fall or early Spring. Even where hard freezings occur no loss need be anticipated with these early Autumn planted trees, no more than from those subject to be injured at any time by cold.

Those who have trees to sell should combat the idea the public have, that trees must not be planted until the leaves fall.

White Oak Acorns

The supply of White Oak timber has become so nearly exhausted that it is no wonder there is such a demand springing up for White Oak seedlings. Even European foresters are looking them up for trials in their countries.

This is the season when White Oak acorns are secured, when there is a crop; and to have success in the raising of seedlings these acorns require early planting. A week's subjection to moisture will cause the sprouting of them, and when this sprouting commences there must be no delay in getting them sowed, for they must either continue to grow or the young growth dies. When sown, the growth that becomes the root pushes out some inches, but the leafy portion does not advance any, waiting until Spring comes before doing so.

A usual trouble is to secure these acorns in time to sow them before the ground freezes. When this cannot be done, and the acorns are sound and not sprouted, or but little, they can be kept until Spring by mixing them in quite dry sand or soil, packing them in a barrel or box, with lid nailed down or in other ways fixed to entirely exclude air, and make the package practically air tight. In this way the Acorns neither gain nor lose in weight, but remain in precisely the same condition as when placed in the box or barrel. Anyone can prove the value of doing this by placing a dozen acorns of the White Oak, the Chestnut Oak, or any other of the early sprouting species, in an empty bottle, corking it tightly and setting it away in a cool cellar until Spring. When Spring opens, sow the acorns as soon as the ground is fit, and the best of results may be expected.

The Sweet Gum in Autumn

This is the best time of year for nurserymen to call their customers' attention to the merits of various trees in the way of Autumn colors, and if in a collection for sale, as it should be, the Sweet Gum, Liquidambar styraciflua, will not be overlooked. In the writer's opinion, its merits are superior to those of the lauded Sour Gum, Nyssa multiflora, a tree long known as of much use for its Autumn foliage.

Though the Sweet Gum is a southern tree it has crept up North to a considerable extent, and is wild within the precincts of Philadelphia, and in Delaware County, which adjoins the southern part of that city, there are woods full of them. It is found always in low ground, and when the ground is quite full of water, as it often is where the trees grow, the Autumn colors are much handsomer than when a tree is on higher ground. Should a stream run through the grove, look for the most striking colors on the trees nearest the water. It creates the thought whether the better color is not attributable to the position being less favorable than one farther away from the water, for many persons will have noticed that a branch of this tree injured in Summer, or of a Red Maple, or a Sour Gum, will change to an Autumn color then, because of the injury. So far as has been observed, the very bright leaved Sweet Gums spoken of, those quite close to the water, seem neither better nor worse for their proximity to it, in general growth.

Referring to this tree being preferable to the Sour Gum, it is because there is greater combination of color. In the Sour Gum there is but the green and the red, while in the Sweet Gum there is the green of Summer mingled with bronze, orange and scarlet, a prettier combination by far.

While a handsome tree in foliage and in growth wherever it is, there is no doubt that in Autumn its loveliest colors are in the trees in low ground. It is rather singular that three of our best trees for Fall display, the Red Maple, the Sour and the Sweet Gum are all natives of low ground.

Mentioning that this tree is a southern one which has crept up North partly, it has been proved that, in company with other trees under like conditions, the hardiness of its seedlings is dependent on the locality of the tree the seed came from. Gathered from trees located farthest North, the seedlings from the seed would endure more cold than seedlings springing from trees native to a warmer State.

It is an old belief among gardeners that Gums are hard to transplant. This is true of the Sour Gum, it makes so few roots, but the Sweet Gum is not at all difficult to transplant. Treat it right when removing it, prune it in well, and it will grow.



Spiraea Sorbifolia

SPECIAL SALE OF
California Privet

	Credit price per 1000	Cash price per 1000
6 to 12 inches, 1 year, 2 to 5 branches	$4.00	$3.00
12 to 18 inches, 1 year, 2 to 5 branches	7.00	6.00
18 to 24, 2 years, very bushy	15.00	13.00
2 to 3 feet, 2 years, very bushy	20.00	18.00
3 to 4 feet, 2 years, very bushy	25.00	23.00

CAROLINA AND LOMBARDY POPLARS

	Per 100	Per 100
7 to 8 feet, 2 years	$6.00	$5.00
8 to 10 feet, 2 years	7.00	6.00
10 to 12 feet, 2 years	9.00	8.00

Terms, Cash with order or satisfactory reference.

Purchasers of known responsibility desiring credit will be charged at credit prices. Those unknown to us who fail to furnish satisfactory references must positively send cash with order. All who send cash with order will be allowed our special cash prices. We make no charge for boxes or packing, when cash is sent with order.

The Lancaster County Nurseries
R. F. D. No. 7
Lancaster, Pa.

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California Privet



I am offering an extra fine stock of two-year-old California Privet, which will be graded according to the high standard which I have always maintained.

QUALITY as well as PRICE should be considered. It will pay you to send me your list before you place your order.

I am Growing California Privet To Sell, and I Sell It. There must be a reason.

C. A. BENNETT Robbinsville, N. J.

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ONE-HALF MILLION
CALIFORNIA PRIVET

1, 2 and 3 Year Stock as follows:

		Per 1000	Per 10,000	Per 20,000
1	to 1½ ft. 3 branches up	$10.00	$ 85.00	$165.00
1½	to 2 ft. 4 branches up	15.00	125.00	210.00
2	to 3 ft. 6 branches up	20.00	175.00	325.00
3	to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4	to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect

ORDER EARLY **DON'T DELAY**

CARLMAN RIBSAM, 31 Wall Street TRENTON, N. J.

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California Privet

Car load of 2 to 3 and 3 to 4 feet sizes, for Fall shipment. Also 18 to 24 inches, 1 year, 3 to 5 branches, $15.00 per 1000. Carefully graded.

M. H. MUSSER, Lancaster, Pa.

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PRIVET BARGAINS

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants	Per 100 $4.00

Special prices on car lots.

FRED SHOOSMITH & BROS., Southside Nurseries, CHESTER, VA.

Please mention the Exchange when writing.

BERBERIS THUNBERGII

BERBERIS THUNBERGII, 15 to 18 ins., 3 years, bushy, $5.00 per 100; 18 to 24 ins., 3 years, bushy, $7.00 per 100.

Field-grown Roses, Cannas, Grape Vines and Asparagus Roots.

List for the asking.

Cash with order. Packing free.

BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10.00
18 to 24 in., 1 year, 3 to 5 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

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ASCHMANN BROS.

FLORISTS
SECOND and BRISTOL STS.
and RISING SUN AVENUE
PHILADELPHIA, PA.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii, 5½-6 in. pots, 40c. and 50c. each.

NEPHROLEPIS Bostoniensis, 6-in., 50c.; 7-in., 75c. each.

NEPHROLEPIS Whitmani, 4-in., 20c.; 5½-6-in., 40c. and 50c. each.

NEPHROLEPIS Scholzeli, 6-in., 50c. each; 4-in., 20c. each.

Our ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum. 3-in., $7.00 per 100.

PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.

DISH FERNS. Fine assortment, $4.00 per 100.

ASPARAGUS Plumosus Nanus. 4-in., $8.00 per 100.

PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.

PRIMULA Chinensis. 4-in., $8.00 per 100.

KENTIA Belmoreana. 4-in., fine plants, 30c. each.

COCOS Weddelliana. 3-in., strong plants, 20c. each.

Cash with order, please.

Our greenhouses are located only four miles from the center of Philadelphia (Market St.) and we can ship promptly from any express office, freight line or steamship company.

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We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(102) **Growing and Shipping Lily of the Valley. Growing Tulips profitably.**—Can I grow Lily of the Valley with Carnations, that is, in same temperature? Can they be shipped as well as Carnations, from 100 to 200 miles and arrive in good condition? Are Tulips profitable to grow and ship?—P. J. H., Ohio.

—Lily of the Valley should be grown separately as it requires a different treatment and temperature from Carnations. Lily of the Valley can be shipped the distance named and arrive in good condition, with reasonably rapid transportation, if it is carefully packed. Tulip growing is profitable if carried on intelligently and under favorable conditions, and if there is a good market available for the blooms.

(103) **Formosum Lilies.**—On Aug. 15 we put our stock of these Lilies one foot in the ground; that is, including the 4 in. pots; and, as we were busy, did not look at them until last Sunday when we found they had grown clean through the ground. We have them now under a bench in a Carnation house. Could you tell me what is the best way to handle this stock and would it be advisable to throw them out?—C. R. M., N. J.

—If you will repot your Formosums into 6-in. pots, setting the bulbs as deeply as possible, and covering the stems as high as possible, and then bring them gradually into the light, you will find they will come out most satisfactorily. Be sure not to bring them into the light too fast; do this slowly and you will have no trouble with them. Do not think of throwing them out as you will be able to secure an excellent crop if you handle them carefully.

(104) **White Spots on Lemon and Smilax Leaves.** Please advise me the cause of White spots on Lemon and Smilax leaves (enclosed herewith), also remedy for same? The disease first appeared on the Lemon tree which stands in the north end of greenhouse and practically covers the entire foliage; plants of every kind in that part of the house are more or less affected.—S. M. F., N. Y.

—From the statement submitted the conclusion is that there are certain conditions existing in the north end of the greenhouse which produce the spots on the Lemon and Smilax foliage. If the trouble continues to be confined to that end of greenhouse such a conclusion will appear to be correct. Possibly the cause is a drip from overhead, or lack of ventilation, or both. If more careful culture, with attention to above suggestions, does not avail, spraying with Bordeaux Mixture might be tried.

(105) **Palms and Bay Trees Infested with Scale.**—We have to store over Winter large Kentias and Phœnix Palms; they are literally covered with San José scale; large Bay trees are full of oyster shell scale. Can you give us a remedy for same? We know of several articles which we could use if the case was with trees, but the same treatment with Palms may be disastrous.—F. W., N. Y.

—In the first place, these Palms and Bay trees which are covered with San José and oyster shell scale ought not to be stored in your houses at any price, unless you can entirely rid them first of the scale. The introduction of these scales into your houses will make you a world of trouble. Try "Fir Tree Oil," or "Fir Tree Oil Soap" as a wash. Write the Aphine Manufacturing Co., Madison, N. J., asking them, if "Aphine" will kill these scales.

(106) **Tea Roses under Glass attacked by Insects.**—R. G., N. J.

—The Rose leaves sent in tin box were, in transit, entirely eaten up by the small green worms, about ⅜" long, sent with the leaves. Spray the plants thoroughly either with a spray of one ounce of white Hellebore to three gallons of water, making sure that the Hellebore is fresh, or with a spray of one teaspoonful of Paris green to ten quarts of water.

(107) **Mildew on Sweet Peas. Geraniums Diseased.**—Please advise me what to do for Sweet Peas growing inside that are beginning to get mildew? Is there any remedy or spraying solution for use on Geraniums attacked with a sort of rust or fungus? The leaves first show light-colored spots, later these brown up about the size of a pin head or it may start around the edge of the leaf; also the plants simply stand and make no growth but shed the leaves about as fast as new ones are developed.—X. Y. Z., Pa.

—(1) Ventilate the Sweet Peas freely. Dust the foliage with sulphur. The most economical and effective way to apply the sulphur is by the means of a powder bellows or gun. (2) Avoid crowding the Geraniums; give free ventilation; do not let them become pot-bound; water carefully. Spraying with Bordeaux, as you suggest may help, but more careful handling will probably be the most effective remedy. Cut off (don't strip) the foliage most affected.

(108) **Plant for Identification.**—J. M. B., N. Y.

—The plant submitted for identification is Euphorbia marginata, commonly called Snow-on-the-Mountain.

(109) **Sweet Peas Diseased.**—We enclose sample leaves which turn yellow all the way up from the ground and drop off. Plants are just beginning to flower nicely. We keep house at 45° to 50°. Please advise us what to do.—P. B., N. J.

—On examination of the vines enclosed I am of opinion that the disease is Sweet Pea blight (Peronospora trifoliorum); if only a few vines are affected would advise pulling them out and burning them. If the disease continues to develop among the entire crop spray with liver of sulphur (sulphide of potassium) and whale oil soap, using one ounce of the former and three ounces of the soap in two gallons of water. Dissolve in warm water.—G. W. K.

We're Still Making Long-Distance Shipments, but Cold Weather is Almost Here—Place Orders Now



NOT long ago we shipped a lot of Palms to Mexico, and since then, another lot to Guatemala. While that's only one out of hundreds of orders we've filled this year—going to every corner of the country—still it shows the wide territory to which our Palms are adapted, and our splendid facilities for taking care of orders—whether for one Palm or for many, to go one mile or thousands.

If *you* get in a good little stock of first-class Palms *right away*, you can sell a number of them profitably during the next few weeks. A lot of folks would like to have them for winter decoration, and will buy if you give them the chance—but you must order *quickly* or it will be too late to ship with safety.

Busy as our season has been, we still have a good stock, and can fill your wants promptly. The Palms you'll get if you send to us will be of the same high order we always supply—grown from the seed in our own houses, by experts, and possessing a distinctive quality that you can build a paying business and a solid reputation on.

Here are our prices. Write today; we'll ship promptly.

KENTIA FORSTERIANA

Leaves	In. high	Each	Doz.
6-in. pot ... 6	..34 to 36.	$1 50	$18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot 4 plants in pot	..36	$2 50
7-in. tub or pot 4 plants in pot	36 to 40	3 00
9-in. tub or pot 4 plants in tub	..42 to 48.	5 00

ARECA LUTESCENS

	In. high	Each
6-in. pot 3 plants in pot	..26 to 28.	$1 00
7-in pot 3 plants in pot	.30 to 32..	2 00
8-in. pot 3 plants in pot	..36 ..	2 50
8-in. pot 3 plants in pot	..42 ..	3 00

COCOS WEDDELIANA

	Per 100
2¼-in pot ... 6 to 10	$10 00
2¾-in. pot ... 10 to 12	15 00

KENTIA BELMOREANA

Leaves	In. high	Each	Doz.	100
5-in. pot	6 to 7		$6 00	$50 00
6-in. pot	6 to 7	22 to 24.	$1 00	12 00
6-in. pot	6 to 7	24 to 26.	1 25	15 00
6-in. pot	6 to 7	26 to 28.	1 50	18 00
7-in.tub or pot	6 to 7	34 to 36.	2 50	30 00
7-in.tub or pot	6 to 7	38 to 38.	3 00	
7-in.tub or pot	6 to 7	40 to 45.	4 00	

Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48 very heavy... $5 00
9-in. tub	6 to 7	48 to 54 very heavy... 6 00

PHOENIX ROEBELENII

	Each
5-in. pots, nicely characterized	$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00

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For Boxes, Etc., 20c., 25c., 30c., 35c., 40c. and 45c. each; also by the 100.

Pyramids, 2½, 3, 3½ 4 and 4½ feet in height, $2.00, $3.00, $4.00, $5.00, $6.00, $7.00, $8.00 and $10.00 a pair.

Globes, 12 inches, $5.00 a pair and up.

Bay Trees, **Standards,** crowns 24 to 36 inches in diameter, $12.00, $16.00, $18.00 and $23.00 a pair.

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Own Root, Fine Stock

BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN,** $6.00 per 100.

Grafted, Fine Stock

WHITE KILLARNEY and **PINK KILLARNEY,** strong, two year old plants, from field, $15.00 per 100.

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

GOLDEN GATE, KAISERIN, and **RICHMOND,** from 3½-in. pots, $17.00 per 100.

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SPRENGERI, from 3-inch pots, $6.00 per 100.

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From 3-in. pots, 10.00 per 100.

CANNAS, 30 varieties, strong, field clumps, $2.00 and $2.50 per dozen, $15.00 and $20 00 per 100.

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I have over fifty acres of one, two and three year old plants. My three year old California Privet is the finest I have ever had. All plants have been transplanted once and cut back twice and have from 10 to 20 branches each; will make a close hedge immediately. I will fill any order for these plants at the following prices: $4.00 per 100, $35.00 per 1000.

My two year old plants are very fine, running from 2½ to 3 feet in height, 8 to 12 branches, and were cut back last Fall. I have about twelve acres of this grade growing on leased land. I have been notified to move it off the coming Fall; therefore, it must be sold. These two year old plants I will sell for $3.00 per 100, $25.00 per 1000. Samples sent on request. All shipments are made in closed cases and all orders, large or small, receive the very best attention.

We can furnish 2 year old plants, graded from the large size, very bushy but not as high as the First Grade, for $2.00 per 100, $15.00 per 1000, 500 at above rate, packed.

My one year old plants are very fine and will run over 18 inches in height and are well branched. I will sell this grade at $1.50 per 100, $12.00 per 1000; 500 at these rates.

I can supply California Privet Cuttings in any quantity from two year old plants, 7 to 8 inches, at $1.00 per 1000.

My stock is all inspected and shipped under certificate granted by the State Board of Agriculture.

Special prices on car lots.

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Special Prices

California Privet

	100	1000
3 to 4 ft., extra heavy	$4.00	$35.00
2 to 3 ft., extra heavy	3.00	25.00

Berberis Thunbergii

	100	1000
18 to 24 in.	$10.00	$80.00
12 to 18 in.	8.00	60.00

Carolina Poplar

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

Lombardy Poplar

Low branched.

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.

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HYDRANGEA Otaksa, strong field-grown plants, 8 to 12 shoots, $5.00 per doz.; 12 to 15 shoots, $6.00 per doz.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

15,000 Golden Privet

4 to 5 years old

4 and 5 feet high, per hundred, $15.00.
2 to 4 feet high, per hundred $10.00.

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2 year branched, 2 to 4 shoots, $12.00 per 1000
3 to 6 shoots, 15.00 per 1000

No charge for cases or packing

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Field-Grown Vincas

$6.00 per 100, $50.00 per 1000.

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3-inch 6c., 4-inch 12c., 5-inch 20c. and 6-inch 30c.

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Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

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500,000 California Privet

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WOOD, HARMON & CO.,

Nursery Department

Church Ave. and E. 58th St., BROOKLYN, N. Y.

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BOXWOOD JUST ARRIVED

We have an unusually large stock of fine plants in all sizes.

FOR WINDOW BOXES, 10 to 12 inches, 15, 20 and 25 cents each.
HEAVY STOCK, 35, 50, 60 and 75 cents each.
BALL SHAPE, $1.00, $1.25 and $1.50 each.
HEAVY BUSH FORM, $1.00, $1.25 and $1.50 each.
PYRAMIDS, $2.25, $3.00, $3.50, $4.00 and $5.00 each.
PYRAMIDS, SQUARE SHAPE, very handsome, in fancy tubs, $12.50 each.

It will be well to place your order for above at once. We can hold same for future delivery or ship at once.

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Aphine

The Insecticide that Kills plant Lice of every species.

Aphine has passed beyond the experimental stage. Men, whose opinions are highly regarded among floriculturists, concede it to be one of the best insecticides ever placed on the market.

A trial will convince you.

$2.50 per Gallon, $1.00 per quart.

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MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California
Please mention the Exchange when writing.

Worcester, Mass.

Ideal weather with numerous weddings and receptions makes the retail trade all that can be desired. All florists have the same report, "business is rushing," to make. Fall flowers of every variety are plentiful and bulbs and green goods are receiving much care. Attractive window displays catch the eye of the passers-by, and Chrysanthemums, Violets and Sweet Peas are sold daily for the corsage. Afternoon receptions and teas call for flowers for decorating and wear by the guests, and to meet this demand local dealers have designed suitable bouquets. The October bride calls for Chrysanthemums and Lily of the Valley, the shower and wedding ring designs being most popular.

A. F. A. Lange's windows continue to be artistic, and this week are showing, Chrysanthemums, Violets, Sweet Peas and Lily of the Valley. Wedding orders at this store have kept the large force of assistants busy. Mr. Lange reports a splendid business in cut flowers and design work.

Leonard C. Midgley, of the Worcester Conservatories is busy getting out 20,000 bulbs for the school children. Miss Edna M. Thayer, who is supervisor and originator of the school gardens of Worcester, placed the order with Mr. Midgley on Monday. Fourteen varieties for indoor and outdoor planting will be used in the 52 schools. Mr. Midgley expects to finish this work in two or three days. He reports splendid success with his Carnations, and is cutting 2000 a day. Sweet Peas are doing nicely and, altogether, business at this season was never better at the conservatories.

W. E. Draper's shop is well stocked with Sweet Peas, Violets, Richmond, pink and white Killarney and My Maryland Roses. Carnations are good and Chrysanthemums plentiful. Harry C. Gray, the new manager, is making many friends in the trade.

Allyne W. Hixon's Gates Lane conservatories are doing nicely. His Violets are plentiful, while Carnations, Cosmos, and Chrysanthemums are sufficient to meet all orders. Mr. Hixon gives much attention to fruit growing. Last week he picked some fine Strawberries from his beds. He reports that the greatest difficulty he has to contend with is seeuring the right kind of help.

H. F. Littlefield has a magnificent window of purple and white Chrysanthemums, Lily of the Valley, and American Beauty Roses, with fancy green baskets of green goods. There is a large stock in both stores, with many funeral and wedding orders to keep the workers busy.

Fern and berry globes are in great demand, and even the department stores are showing them.

The annual meeting of the Worcester County Hort. Soc. will be held in the library of the Hall on Wednesday, Nov. 2.

The annual Chrysanthemum show will be held Nov. 10, and some fine flowers are expected.

F. A. Madaus is cutting some nice Chrysanthemums. His Roses, Violets and Carnations are still in demand.

E. D.

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Greenhouse Building

MAUCH CHUNK, PA.—John Payor is erecting a 20x120 ft. additional greenhouse.

WARREN, R. I.—James Crawshaw has commenced the erection of two greenhouses.

WINSTED, CONN.—John David is building a greenhouse on Roberts ave., Moorville, and will grow Spring stock.

CLEVELAND, O.—The Cleveland Florists' Exchange has incorporated.

EL PASO, ILL.—C. L. W. Snyder has purchased the Wolk greenhouses and will continue the business.



DAHLIAS

Whole Field Clumps

Versus

Divided Roots

The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock, cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

My stock this year is much larger than my storage facilities, and to accommodate one to the other, I will make some very attractive prices for delivery from the field on the following varieties:

APPLE BLOSSOM—Single.
CATHERINE DUER—Decorative.
CARDINAL—Single.
F. L. BASSETT—Decorative.
H. W. SILLEM—Cactus.
JACK ROSE—Decorative.
LYNDHURST—Decorative.
MAY LOMAS—Decorative
MISS DODD—Show
MRS. CHAS. TURNER—Cactus.
MAID OF KENT—Fancy.
NYMPHAEA—Decorative.
PERLE D'OR—Decorative.
ROSE PINE CENTURY—Single.
REBECCA MAYHEW—Single.
TWENTIETH CENTURY—Single.

These are all good cut flower sorts, and are guaranteed true to name. These and many other sorts in smaller supply, all good varieties.

I also have several New Unnamed Seedlings of merit on which I will quote price for the entire stock of each variety. You will be repaid by a visit to my farm when you can see them in all their glory.

J. Murray Bassett

Packard Street

HAMMONTON, N.J.



Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Poinsettias

Careful Attention to Stock Required From Now On

You have arrived at the critical time for the Poinsettias. The easier it is made for the plants to get used to Winter conditions, the less will be the loss of leaves. To this end careful attention is required as to ventilation, firing and watering. Don't allow the temperature to run away up into the 80's on a sunny morning before giving air; the only result from such treatment you could possibly expect would be a soft growth. Throughout the middle West we have had real Summer weather during the last three weeks, and yet it would have been folly to allow the fires to go out on that account. A temperature of 53° to 55° at night should be maintained for Poinsettias, and in order to do this fire heat is necessary. Even should the thermometer register 52° outdoors during the night hours, you can notice a moist cold atmosphere in the houses if no heat is turned on, and such a condition is not proper for Poinsettias, they are bound to suffer under it. Watering the plants carefully from now on is also of great importance. It cannot be good policy to apply water which in temperature is near the freezing point. Some plants may not be as particular in this respect as others, but Poinsettias will not stand for sudden changes in temperature without showing the effects, and will also suffer by being watered with water much below the temperature of the house they are in. It does not seem right to have a nice batch of plants at this time of the year, either in pots, pans or planted out, and run any chances now; it is by far better to take a little extra time in caring for them and do all one can to get them, if at all possible, to produce good bracts on stems covered with fair foliage; and whenever there are but a few hundred plants grown the little extra time required in taking the chill off the water, and perhaps applying the water from a pot by hand, does not amount to much. I am sure you will notice a difference between plants treated in this way and others watered by the hose where, because a few pots or a small portion of the bench is dry, the whole bench is going to get a thorough soaking. Only too often this is the way things are attended to, and in Poinsettias you have a class of plants which will show the effect of ill treatment more and quicker than any others we grow.

Chrysanthemums

Selecting the Stock Plants for the Early Sorts

To be successful in growing indoor crops, whether they consist of flowers, fruits or vegetables, requires, among many other things the keeping of every bit of space occupied with something useful at all times. Empty benches are not only unsightly but unprofitable, and during the Winter months especially it does not pay to either have them empty or filled with plants which, like the Chrysanthemums, when through blooming have no place there. Do not allow the fact that there are a few more blooms to be cut to furnish the reason for putting off the clearing of a bench, this space is by far too valuable. As soon as the early sorts, such as Monrovia, Glory of Pacific and others are cut, get busy clearing the benches. As this is the proper time to select your stock plants which are to furnish you the cuttings for another season, there isn't any reason for selecting one hundred plants of Monrovia if you are going to grow only 500 plants next season; half of that amount will answer just as well, if the plants are taken care of. On the other hand, three times that amount will not be enough if the plants are going to be neglected. If a side bench in a cool house is available there is only one thing to do with the stock plants, and that is to plant them out, allowing about six inches of space between them. After one thorough watering in order to settle the soil firmly around the roots, keep the plants a little on the dry side, for the next two months. While the Chrysanthemums should not at any time be stopped from growing, a little rest for several months is of benefit. Wherever a lack of room prevents the planting out of the stock plants, a good thing to do is to use deep flats in which to closely plant them for the present, to be moved to better quarters later on. If at all possible, do not stick these flats under some bench, give them bench room; they require so little that it does not pay to run the risk of neglecting them, and perhaps losing them, in some out of the way place. Many plants end in this way, with the small grower, every year. Only too often we try to grow more plants than we have room for, and pay dearly for it; the sooner some of us wake up to this fact the better; we shall be money ahead and have less to worry about.

Cannas

Lifting and Storing the Clumps

Many of us are not fortunate enough to have rest cellars wherein to store our Cannas during Winter, and the Carnation houses have to be made use of for this purpose. While I am not at all in favor of having anything unsightly below the benches, the clumps of Cannas when set neatly do no harm. We have over wintered them there for over thirty years, with the best of results. Whenever we did lose any the loss was due to drip or where the roots had been taken up carelessly so as to have no soil clinging to them; this latter, in particular, is a mistake only too often made. Where light soil is made use of it is sometimes difficult to make the soil stick, and extra care should be used. Canna roots differ greatly from Dahlias or Gladioli; if the fleshy part of them is deprived of all the soil they begin to shrivel up, and while you may not lose them altogether, their vitality goes. There is no better way to prove this than to try and start into growth properly kept roots, and such as you buy in dormant state, which have been kept in boxes for several months. While you can expect almost every eye of your own stock to break and give you a nice plant in a short time, the others will come very slowly, some of them never. On that account, if no other, the retail grower should over Winter his own stock, for it pays to do so. Lift the clumps with a good ball of soil, and cut off the tops down to 6 ins.; there isn't any reason to wait for a frost to kill the foliage. What is far more important is to do this work in dry weather. After a few days of cold rain, such as we can look forward to towards the end of October or the beginning of November, the lifting of the Cannas is made a most disagreeable job. There is no reason for this, for the work is important enough to deserve attention at the proper time, and after this date there is no excuse for putting it off. You will not overlook using either boards, 2x4's, or old greenhouse rafters, to set the clumps on; for if put directly on the ground the roots are liable to grow, and the object is to keep them from doing this. While the soil surrounding the roots should not be kept like dust at any time, yet such a condition during Midwinter is better than a too moist state, which will either start the eyes into growth long before you want them, or cause decay, which is worse.

Costly Weather

For the Chrysanthemum Grower in Particular

With many, ourselves included, the early Chrysanthemums have not been a paying proposition this year, and there is no one to blame but the weather man. At this writing, October 23, we have not had a frost, or even weather cold enough to hurt a Coleus. Dahlias, Anemones, Cosmos, and dozens of other old favorites in the garden are practically at their best. In our section we have about one season in ten where the hardy Chrysanthemums bloom outdoors and really amount to anything; usually the frost gets them, even before they show much color. This year they have shown color, bloomed and faded, and still no frost. This is bound to have a bad effect on any indoor stock; people will use outdoor flowers as long as they can be had, and if you do get an order for a dozen good yellow 'Mums you haven't nerve to ask a fair price, such as you would want if snow flurries were visible through the end of the Chrysanthemum house. The midseason and late varieties, while not coming into bloom any earlier than other years, are also making their appearance, and the flowers are not what they ought to be. We have applied a heavy shading on Ivory and the Appletons, and this, with every ventilator and door open, will keep the temperature down quite a little; and flowers, either for show or store purposes, if cut four to five days before wanted and kept in a cool dark cellar will get a finish to them which it is not possible to give them in any other way; in fact the flowers when freshly cut are not fit to be sent to a customer until they have had their stems in a deep vase full of water for at least 12 hours. With the thermometer up in the 80's outdoors you cannot expect to get a finished flower on the plant; to do that cold, crisp, real October weather is needed, and without this it is not possible. While we are having this hot spell, do not be too severe in judging some new variety if it does not turn out to be as expected; if you notice any good points at all in it, another trial should be given, for some of the old favorites, while perfect in stem and foliage, are giving us only fair blooms this year.

GERANIUMS

Rooted Cuttings ready last of October. **NUTT** and **BUCHNER**, $10.00 per 1000. **POITEVINE, RICCARD, DOYLE** and others, $12.50 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Geraniums

All Rooted Cuttings we shall have, booked for October; **with the exception of MADAME BUCHNER.**

CASH WITH ORDER.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Orders all booked until November 20th for **Nutt, Ricard, Poitevine** and **Castellane.** Orders booked now for the following: **Buchner, Doyle, Viaud, Grand** and **Jaulin,** at $10.00 per 1000. **Cash with order.**

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cutings, Ready Now.

3000 **S. A. Nutt,** $1.25 per 100, $10.00 per 1000.
2000 **Poitevine,** $1.50 per 100, $13.00 per 1000, fine stock.
2000 Mixed, $10.00 per 1000.

BEGONIA SEEDS

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties; trade packet $1.00.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner,** $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulin,** $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner,** $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffeltii** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the best.

S. A. Nutt ..... $11.50 per 1000
Poitevine ..... 14.00 per 1000
Ricard ..... 14.00 per 1000

All sold until December. Expect to have about 75,000 ready week of December 12. To be sure of December delivery better get your order placed now.

COLEUS

As fine a collection as any in the world, can furnish them by the 100,000 in season, now if you want them.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2¼-in. pots, 5 to 6 in. high, $1.50 per doz., $10.00 per 100.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.

5-in. pots, 18 to 24 in. high, splendid plants, 75c. each.

7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each.
7-in. tubs, 3 plants in a tub, 36 in high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer.

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

Araucaria Excelsa

	Each
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Araucaria Excelsa Glauca

	Each
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 inches high	$2.50
9-in. tubs, 42 to 46 inches high	3.00
10-in. tubs, 46 to 48 inches high	4.00
11-inch tubs, 48 to 52 inches high	5.00
11-inch tubs, 52 to 54 inches high	6.00
18-in. tubs, specimen plants, 8 ft. spread	40.00

Pteris Wilsoni Fern

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	1000
5-in. pans	$25.00	
6-in. pans	35.00	
2¼-in. pots	3.50	$30.00

DREER'S PÆONIAS READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PÆONIA CHINENSIS

	Doz.	100	1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white center	$1.50	$10.00	$90.00
Achille. Beautiful soft mauve, changing to rose tinted white	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy center	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; center soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white	2.00	15.00	
Delachei. Amaranth red	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers	$1.50	$10.00	$90.00
Festiva Maxima. Pure white, center petals tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur center	1.50	10.00	90.00
Humei. Rosy carmine; fine large flowers; late	1.25	8.00	75.00
Humei Rosea. Deep rose	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	3.50	25.00	
Lady Bramwell. A beautiful silvery-rose; of large size and fine form	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; center delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine	3.50	25.00	
Mme. Crousse. Cream guard; blush-white center; tinted violet	$3.50	$25.00	
Paganini. Light solferino red with a lighter center	1.50	10.00	$90.00
Pomponia. Guard petals rosy mauve; primrose-yellow center, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white	1.50	10.00	90.00
Reine des Fleurs. Rosy pink	2.00	15.00	
Reine des Roses. Pale rose lilac; center cream and pink	3.00	20.00	
Victoire Modeste. Blush rose and white	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; center light salmon yellow	1.50	10.00	90.00
Whittleyi. An oldtime favorite white cut flower variety	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PÆONIAS IN MIXTURE

Double Pink, Mixed sorts	.75	5.00	40.00
Double Red, Mixed sorts	1.00	7.00	60.00
Double Mixed, All colors	.75	5.00	40.00

PÆONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white	1.50	10.00	
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00	
Officinalis Rubra. Crimson	1.00	7.00	
Tenuifolia flore plena. Crimson	3.00	20.00	

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc.

714 CHESTNUT STREET
PHILADELPHIA, PA.

FOUNDED IN 1888

FLORISTS' EXCHANGE

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Boston: Robert Cameron, Cambridge, Mass.

Philadelphia: Appointments can be made or letters addressed to Jos. H. Sperry, our representative, care of Keystone Hotel, Market st., near 16th, for Mondays and Tuesdays.

Monmouth Co. (N.J.) Horticultural Society's Show

The thirteenth annual Chrysanthemum exhibition of the Monmouth County (N. J.) Horticultural Society was held in the Armory at Red Bank on Oct. 26. While the cut Chrysanthemum blooms were not up to the high standard of former years, owing to unfavorable weather conditions, the Roses, Carnations, foliage plants and vegetables more than counterbalanced the deficiency, particularly the Carnations.

The competition was strong, many of the classes having eight and nine entries, with stagings all of the highest grade, a condition which must have taxed the judges' skill in making decisions; but it is pleasant to record that their judgments have given entire satisfaction throughout. The judges were Peter Duff of Orange, N. J., and A. J. Manda of Brooklyn, N. Y.

The following are the awards in the different classes:

Awards

Chrysanthemums

Group of Chrysanthemums—1, J. Fraser, gdr. to Andrew Freedman, Red Bank; 2, Jas. Kennedy, gdr. to G. W. Young, Deal Beach, N. J.

Three bush plants—1, Wm. Dowlen, gdr. to F. Archilis, Rumson, N. J.

One bush plant—1, Jas. Kennedy.

Three bush plants, Anemone—1, Wm. Dowlen.

Group foliage plants—1, N. Butterbach, gdr. to C. N. Bliss; 2, T. Murray, gdr. to S. Guggenheim estate, Elberon.

Foliage plant—1, Wm. Turner, Oceanic, N. J.; 2, — Hale.

Specimen Palm—1, N. Butterbach.

Thirty-six Chrysanthemum blooms in six vars.—1, Wm. Turner; no other competitors; varieties: Pockett's Crimson, Mary Mason, Chas. H. Totty, Mrs. Wm. Duckham, Mary Donnellan, Beatrice May.

Eighteen blooms in six vars., three of each—1, Jas. Kennedy; 2, Wm. Dowlen.

Twenty-four blooms, short stem class—1, Wm. Turner; no other competitors in this class; varieties: Wm. Duckham, Rose Pockett, Mary Mason, Mrs. David Syme, R. F. Felton, Mrs. Chas. H. Totty, Norman Davis, Beatrice May, Pockett's Crimson, Mary Donnellan.

Twelve blooms—1, Wm. Dowlen, with Rose Ellis, Merza, Chas. H. Totty, Cheltoni, Merstham Blush, and Mrs. D. Syme; 2, Jas. Kennedy.

Six White—1, N. Butterbach; 2, Wm. Turner.

Six Yellow—1, Wm. Turner; 2, — Hale.

Six Pink—1, — Hale.

Six Crimson—1, — Hale; 2, Wm. Turner.

Six Bronze—1, Wm. Turner; 2, — Hale.

Six any other color—1, N. Butterbach; 2, Wm. Turner.

Six novelties—1, — Hale.

Twenty-five for effect—1, — Hale.

Roses

Twelve American Beauty—1, A. Bauer; 2, T. Murray.

Twelve Bride—1, N. Butterbach; 2, Wm. Turner.

Twelve Bridesmaid—1, N. Butterbach.

Twelve any other variety—1, N. Butterbach; 2, — Kettel.

Carnations

Twelve White—1, — Kettel; 2, — Hale.

Twelve Dark Pink—1, — Kettel; 2, Wm. Turner.

Twelve Crimson—1, M. Tierney; 2, Wm. Turner.

Twelve any other variety—1, — Kettel; 2, — Hale.

One hundred single Violets—1, — Hale; 2, Jos. Kennedy.

The vegetable and fruit classes were well filled. For white Grapes, Wm. Turner was first; and for black Grapes, 1, Wm. Turner, 2, — Hale.

Special Prizes

Hartshorn prize for 25 Carnations—1, M. Tierney; 2, N. Butterbach.

Lichtenstein prize for 25 mixed Roses—1, N. Butterbach; 2, Wm. Turner.

WM. TURNER.

The Second National Flower Show

The interest is increasing in the second National Flower Show to be held in Boston, March 27 to April 1, inclusive, 1911. This will be held in Mechanics' Building, one of the best halls in the country for this purpose, containing as it does over 105,000 sq. ft. of exhibition space as well as a number of fine convention halls in connection. The exhibition will be held by and in connection with the adjourned meeting of the Society of American Florists, assisted by the American Rose Society, the American Carnation Society and the Massachusetts Horticultural Society, and one of the grandest displays of flowers and plants, as well as general trade exhibits, ever brought together under one roof seems assured.

Over $10,000 in prizes will be awarded in the various classes and it is expected that this large sum will stimulate the interest of growers throughout the country. In the trade department the space is selling particularly well. Some of the best known concerns in the trade have already applied for space, realizing that the comparatively small cost of exhibiting their manufactures will be more than compensated for by meeting the trade from all over the country.

Among those already allotted space in this department are: The Advance Co., Richmond, Ind.; Arthur T. Boddington, New York; Boston Plate & Window Glass Co.; Bobbink & Atkins, Rutherford, N. J.; Bowker Fertilizer Co., Boston; Best Oil Co., N. Y.; Robert Craig Co., Philadelphia; Arthur Cowee, Berlin, N. Y.; The A. T. Stearns Lumber Co., Boston; Geo. M. Garland Co., Des Plaines, Ill.; J. G. Harrison & Sons, Berlin, Md.; A. H. Hews Co., Inc., Cambridge, Mass.; Wait Inter-Locking Steel Co., Newburgh, N. Y.; Lord & Burnham, Irvington, N. Y.; Hitchings & Co., Elizabeth, N. J.; Hammond Paint & Slug Shop Works, Fishkill-on-Hudson, N. Y.; F. R. Pierson Co., Tarrytown, N. Y.; Kroeschell Bros. Co., Chicago, Ill.; Means & Thacher, Boston; United States Radiator Co.; N. F. McCarthy & Co., Boston; J. Jarndahl, Cambridge, Mass.; H. M. Robinson & Co., Boston; S. S. Pennock-Meehan Co., Philadelphia; The Chilton Co.; others are in correspondence.

Even at this date the preferred positions are getting scarce and an early application is urged upon intending exhibitors. Chester I. Campbell of 5 Park Square, Boston, is the general manager and to him should be addressed all communications and applications.



New Chrysanthemum Chrysolora

The Insecticide Act of 1910

At the last session of Congress was passed a Bill which is known as the Insecticide Act of 1910, for preventing the manufacture, sale or transportation of adulterated and misbranded Paris greens, lead arsenates, and other insecticides, and also fungicides, and for regulating traffic therein, and for other purposes.

A notice was sent out by the solicitor of the Agricultural Department calling for a public hearing on Thursday, Oct. 20, at 216 13th st., Washington, D. C., of all persons interested in the Bill. As the Act provided for the making of rules and regulations for its enforcement a committee, composed of R. E. Cahell, commissioner of Internal Revenue, Charles Earl, solicitor of the Department of Commerce and Labor, and George P. McCabe, solicitor of the Department of Agriculture, chairman, asked those who were present if they had any views to express on the Act, so that the Department might be guided in framing rules and regulations. The committeemen had nothing themselves to propose, and all that took place was a rather informal expression of opinion by various people interested; the seemingly most important part of the proceedings was the submittal of samples of Pyrethrum powder.

The sense of the Act, as finally summed up, was that it was to prevent the marketing of bogus material or misrepresentation in describing what the goods would do, and it takes effect on Jan. 1, next. BENJ. HAMMOND.

New Chrysanthemum Chrysolora

Description furnished by the originator, Elmer D. Smith & Co., Adrian, Mich.

This new variety can be briefly described as an early Col. D. Appleton, coming in 15 days earlier; is of larger size, stronger stem, not quite as tall and in color is intermediate between this variety and Major Bonnaffon. We consider this one of our greatest achievements, possessing sterling worth from the commercial standpoint, while its size and splendid keeping qualities permit its taking a prominent part at the exhibitions. Best buds are those selected Aug. 1 to 15. Awarded 93 points at New York and 94 points at Cincinnati, commercial scale, October 15, 1910.

St. Louis Horticultural Society

The attention of our readers has already been directed to the special prizes offered at the forthcoming exhibition of this Society which takes place in the Coliseum, Jefferson & Washington aves., St. Louis, Nov. 8-12, 1910.

In the premium list just received we note that the special prizes are offered as follows:

Class 313.—Best display of Chrysanthemums, one or more varieties, attractively displayed, either cut blooms, plants or both, accessories not permissible, $500.

Class 414.—Best display of cut Carnations, one or more varieties, attractively displayed, accessories not permissible, $500.

Class 514.—Best display of cut Roses, one or more varieties, attractively displayed, accessories not permisible, $500.

Certainly, here are offers broad enough and liberal enough to induce active competition from growers all over the country, and we look forward with great interest to the details of this competition, sincerely trusting that our growers will not neglect it and that the competition for these $500 prizes will be of the liveliest character.

The Improvement in Cactus Dahlias

To write an article on the Dahlia, after reading the last two numbers of the EXCHANGE seems almost impossible, for nearly every subject has been dealt with by growers of longer experience than my own, and the different varieties have been selected that have done well in the various sections of the country.

But I have been asked the question whether I think the time will come when the Cactus Dahlia varieties giving heavy flowers will have stems strong enough to hold the flower upright. Now, to answer, not as an expert, but as one who has grown nearly all the varieties of note since 1900, I will say that this question couldn't have been put at any better time; for today we have some of the largest of the Cactus Dahlia flowers borne on good stiff stems, and while the list is small, as compared with the sorts that hold their heads towards the ground, I think we can select some that have all the necessary requirements. A few such varieties are the following:

Australia.—An English introduction of 1907, and one of the very finest; very large bold flowers on long stiff stems, free, and a useful color, bright purple.

Furst Puckler.—My own introduction from Italy, and one of the most distinct creations in the Cactus-flowered family; color yellow at base, banded cherry red, then distinctly tipped yellow; flowers from 6 to 7 ins. across and borne on long, stiff stems, above the plant.

Beloit.—A Dahlia of German origin, of the Decorative Cactus type, producing blooms from 6 to 8 ins. in diameter, on long stems as large around as an ordinary pencil.

Buttercup.—Another English introduction that is a welcome addition to the family; flowers of the largest size on good strong stems, and, as the name implies, Buttercup yellow.

New Sarum.—Catalogued as a Garden variety, but large enough for any exhibit; very free, and the flowers are produced on long, stiff stems; color yellow and fawn with bronze center.

Madelline Le Clerc.—A French introduction of great merit, flowers of large size, on extra long stems, very free and useful.

Mellagrinia.—Another of my introductions from Italy, and one of the most beautiful sorts to date; color rose pink and yellow; flowers of great depth and size, on extra strong stems.

Amos Perry.—Another Garden variety of note that has been exhibited in nearly all the shows of late, and is, without doubt, one of the finest scarlets we have; flowers large and borne on good stiff stems.

And then we have Mrs. C. Scott, Thos. Wilson, Ibis, Sicilia, Spanish Prince, Thos. Parkin, Perle de Lyon, and several others equally as good; and in the coming season I will add at least four Italian seedlings, namely: Hon. John P. Bodge, cerise and rose; Statice, rose; Nerina, giant rose; and Hon. Chas. E. Harvey, cardinal red, all of which have the desirable qualities that are destined to make the Cactus Dahlia the flower for the people.

EDWIN S. MANUEL.



A Question in Sweet Pea Nomenclature

Editor The Florists' Exchange:

In "Stray Notes from Abroad," by T. A. Weston, appearing on page 602 of the EXCHANGE for Oct. 1, I note the following anent my brief report of the National Sweet Pea Society's show: "Earl Spencer is a true Henry Eckford Spencer." "Sterling Stent is another name for Henry Eckford Spencer, and it is yet to be proved whether it is better than Earl Spencer."

I am not concerned to reconcile the great discrepancy between these two statements, but I must strongly protest against the second of the two, which is entirely at variance with the true facts of the case.

The floral committee of the N. S. P. S., of which I am a humble member, had both the varieties named growing for their inspection in the Society's trials, and they were most carefully compared, with the result reported by me. This was also fully confirmed by a very careful examination of both in the committee room on the day of the show, when it was finally decided to award to Sterling Stent the silver medal of the Society as the best novelty of the year.

The seed of Earl Spencer was furnished by Dobbie & Co., who had secured an award of merit for it from the R. H. S.

Mr. Chas. Foster, who conducted the trials has kindly referred to his original notes and fully confirms the action of the floral committee.

In reporting upon the new variety "Iris," I gave the raiser's own description; your correspondent's remarks respecting it are so involved that it is not very clear what he intends to convey.

Commander Humphrey's suggestion that all judges of Sweet Pea colors should be compelled to submit to the military color test appears to be a practical method of settling a very difficult question.

By the way, the 1911 exhibition of the National Sweet Pea Society has been fixed for July 10 and 11. Come in your thousands. S. B. DICKS.

The Dahlia for the Masses

Editor The Florists' Exchange:

Your paper is and always has been a source of much satisfaction as well as instruction to me. The last two numbers, containing the Symposium of the Dahlias for the past season, have been duly considered but, somehow, it is not revealed what is to constitute for the masses the ideal for perfection in this flower.

I am led to believe that too much is covered up and left for the growers to find out, more or less to their chagrin. I have over 1200 varieties in my trials and find that some stated are not what the general public picks out when they see the flowers growing.

East Moriches, N. Y. E. STANLEY BROWN

[Our object in publishing lists and notes on the Dahlia, as we pointed out on page 686 (issue of Oct. 15), was in the endeavor to make a fair presentation of its importance in our floricultural industry and, through this publicity, to draw trade attention to the merits, likewise the failings, of this now justly popular Fall flower.

For both retail decorative and garden purposes, that is for the tradesman and the amateur alike, the flowers will have to be borne on larger and stronger stems, and for the garden, particularly (through a great extent of country), the call is for varieties which will bloom freely during September and early October. Many amateur growers are giving up the Dahlia because it commences to bloom, with them, just before frost destroys the promise of abundant flowers.

Color, dignity, grace, elegance and beauty are the Dahlia's distinguishing attributes; if growers and hybridists will remedy its weaknesses and faulty points, the public may be depended upon to take care of the excess of varieties just as they have done in those countries where the Rose thrives to perfection.—ED.]

Nursery Damage by Recent Southern Storm

Editor The Florists' Exchange:

It may be of interest to yourself and others to hear from the southernmost of the large nurseries of the country something in connection with the devastating storm that recently swept over the southern portion of the State, on the 17th and 18th of this month. The greatest velocity the wind attained at Tampa was 60 miles per hour, though in our section it probably reached 70. The most severe winds were those of the night of the 17th, when the greatest damage was done. Quite a large amount of glass was broken and blown out of the glass houses, but the plants suffered little damage. In the field nurseries a number of Citrus "buds" were torn loose from their supporting stakes. Large numbers of handsome shade trees were uprooted, mostly Oaks and Hickories. Thirteen were destroyed in the immediate vicinity of our grounds.

The damage to the Citrus fruit crop was not as great as was at first anticipated, as a general thing not being greater than 10 per cent. in the groves, although where trees were isolated the loss was from 20 to 25 per cent. We speak of loss here as that of fruit which was actually blown from the trees. The actual damage done by "thorning" and bruising makes the percentage far greater. The reason that the damage was not greater was an account of the green condition of the fruit, and its general small size, due to seasonal conditions. If the fruit had been ripe probably the entire crop would have been utterly ruined. REASONER BROS.

Royal Palm Nurseries, Oneco, Fla..

Banquet and Annual Meeting of the Stockholders of the Boston Flower Exchange, Inc.

The annual banquet and business meeting of the Boston Flower Exchange, Inc., took place on Saturday evening, Oct. 22, at Young's Hotel, Boston. There were about seventy-five stockholders present. The banquet and meeting, from beginning to finish, was one of the best and most enjoyable evenings the writer has had the pleasure of attending in a long time. The way the meeting was conducted, with promptness and dignity, was especially pleasing. After the inner man was made content with the best things on earth, the president, Wm. C. Stickell, called the meeting to order for the business of the evening. The records of the previous meeting and the treasurer's report were read by George Cartwright, the secretary and treasurer. The treasurer's report showed that the organization was in a very flourishing financial condition.

The next business in order was the election of nine directors, and resulted in the re-election of all the members of the present board, as follows: Alex. Montgomery, Wm. Nicholson, Lister W. Mann, Andrew Christensen, Thomas Pegler, S. J. Goddard, George Cartwright, William C. Stickell and E. Allan Peirce.

Among the speakers were J. S. Manter, who called the attention of the members to the importance of cleanliness and plenty of fresh air in the markets where men had to work all day, and Andrew Christensen, who spoke entertainingly for half an hour of his travels in Europe this last Summer. Other speakers were: Wm. Miller, A. S. Parker, Wm. Thurston, John T. Butterworth, Eber Holmes and R. Cameron.

The officers for the present year are: William C. Stickell, president; William Nicholson, vice-president; George Cartwright, secretary and treasurer.

The meeting closed at 10.30 p.m. after a most enjoyable evening. R. C.



Banquet of Stockholders of the Boston Flower Exchange, Inc.

This Nuisance Amenable to Law

My neighbor maintains a nuisance in the form of a shed, 225 ft. long, without leaders or gutters, and which he refuses to provide, causing part of my ground to be under water certain months of the year. A heavy coating of fresh tar on top of a layer of new tar-paper every Fall causes a black dust or sediment to be deposited on the soil adjacent to this shed. I attribute the loss of Horseradish roots and grasses grown on this ground to the water from this shed, and am, therefore, forced to abandon the idea of planting perennials or other stock, while the nuisance exists. Information on this subject would be greatly appreciated.—H. W. Y., N. Y.

—To this inquiry our legal adviser makes the following reply: The principle of law that would apply to the situation here stated would seem to be the old maxim "So use your own so as not to injure another." It is the duty of every owner of real estate to use it in such a manner as will not work injury or damage to his neighbor. The facts recited in the communication would seem to show that failing to protect the complaining party from the overflow of the rain water from the roof of the shed, impregnated with destructive and obnoxious particles from the tar on the said roof, is maintaining a nuisance, which, by an action of law, could be abated. This opinion is given, of course, upon the assumption that it is provable that the plant life owned by the complainant is, in fact, destroyed by the deleterious and obnoxious character of this tar-affected water from the roof of the adjoining owner. It is an additional proof that it is a *remediable* nuisance (if a nuisance at all) that the owner of the building could, by the maintenance of leaders or gutters, prevent the fall of the tainted water upon the complainant's property. J. T. HURD.

To Get Rid of Cut Worms in Carnation Beds

We mail you a sample of our Carnations; you will see that the buds and young growth are both eaten up by a pest of some kind. Will you kindly tell us what it is and what to do to get rid of it?

—Your answer to this question in last week's EXCHANGE, as follows, is a little misleading:

"The buds submitted show very plainly that they are attacked by the cut worm, probably the "variegated" sort. The only remedy is to hunt these at night, by the aid of a lantern, and kill them. These cut worms were either brought in from the field with the plants, or with the soil, when the benches were filled, unless killed they will prove very destructive but fortunately they are so large that they can easily be seen on the flower buds and stalks."

The variegated worm can be caught more easily in the day time than at night. The worms seem to come out of the inside of the shoots, seldom growing to be more than an inch long. They come in colonies, and do quite some damage if not noticed in time; but they are easily seen and a visit to their feeding places two or three times a day, for three or four days, will get the best of them. The other "cut worm," or common "brown grub," hides all day and feeds at night, and invariably finds the best flower on the plant; how he knows, in the dark, which stem to climb is a mystery, but it is quite noticeable that he never climbs the wrong stem, nor eats a poor flower. After he has satisfied his hunger he does not take time to climb down, he simply lets go and tumbles down. Catching them by the "aid of a lantern" is all right until bed time, but the cusses don't keep regular hours; sometimes they come up early, but not always. The surest way to get rid of them is to lay something down on the soil that they can get under easily—pieces of broken pot, curved side down; pieces of lath; small pieces of sod; anything that is easily got under. They seem to find these things instinctively, just as they find the best flowers. When these traps are lifted next morning, or at any time through the day, the grubs will be found comfortably curled up underneath.

J. B.

Among the Growers

Julius Roehrs Co., Rutherford, N. J.

While a visit to the establishment of the Julius Roehrs Co. at Rutherford, N. J., is always interesting, it was particularly so a week or two ago, for, besides the general lines of products to be seen were three large, new, curved eaved houses, built by Lutton of Jersey City, filled with well-grown plants of the new Celosia Pride of Castle Gould, a variety which lends itself particularly well to purposes of decoration, and which has this Fall been very conspicuous in the windows of the retail florists of New York. Never has such a greenhouse show been obtained from an annual before. Tall, shapely specimens in the most beautiful shades of color, yellow, pink, terra cotta, scarlet, and shades between, presented a scene in each house quite forest-like, or it might be better to say "fairy-like," so feathery and delicate in appearance were the plants. The Roehrs Co. is to disseminate this variety, and the display made at the greenhouses, with the great evidences of the plant's desirability in retail store decoration and for a variety of decorative purposes, should certainly attract the attention of all growers throughout the country looking for something new. The plants shown in the photograph herewith were grown from seed sown about June 1 last. The new houses containing the Celosias are provided with a separate potting shed, as all the new ranges of this establishment will be in future.

Looking through the scores of houses forming this immense plant, one sees preparations for Christmas and Easter on every hand. There are ten houses filled with Ardesias, for the growing of which the company has an enviable reputation, shipping to points as far as 1500 miles distant and more. More Ardesia plants than ever are being grown this year, and those seen are well berried and most pleasing in form.

A large house of Camellias, one of two such, is a fine sight even now, the plants well budded, with foliage denoting a very healthy condition.

Poinsettias in large quantities, Cyclamens, and fifteen or more houses of Begonia Gloire de Lorraine will figure largely in Christmas sales, as also will houses of Oranges in fruit. Dracæna terminalis, of which there are several houses, looks grand, as it always does at Roehrs; the coloring is magnificent already. The plants in the benches are all plunged to the pot rims in peat.

Two houses of Crotons, containing about 100 different varieties, are being drawn upon very largely for Autumn demands. Considerable attention is now paid to Ferns, and some very fine stock is noticeable. The Boston is perhaps most largely grown, but there are good stocks of Cibotium Schiedei, Nephrolepis elegantissima compacta and others to be seen.

A large house of Phœnix Roebelenii is perhaps rather an uncommon sight. There are many plants of good size in this house, all in tubs, as well as plants in pots in all sizes downward from 12 in. Several houses devoted to Palms, Dracænas, Livistonas, present stock of a high quality, and in one house is a block of the Dracæna Queen Victoria, the largest batch seen in any commercial establishment hereabouts. Ornamental and decorative stock in great variety is, as usual, very prominent in a number of houses devoted to it.

Adiantum Farleyense occupies six houses, the plants beautiful to see, and showing excellent culture. Four houses are now set apart for Lily of the Valley, the growing of which has become quite a feature of the Roehrs' plant.

The thirteen or fourteen new Orchid houses, which form a separate range, are all well stocked, but the flowering is confined at present to Cattleya labiata, and a few other species of Orchids. A house of Cypripediums contains several specimens of C. Faireanum, the variety which caused such a flurry in Orchid circles five or six years ago when it was hailed as the "lost" Orchid, and a specimen realized a fabulous price. A shipment of new Cattleya stock which has just arrived appears to be of more than ordinarily high quality, as also does an importation of Miltonias. Among the Cattleyas is a clump of C. aurea, a variety seldom seen.



House of New Ostrich Plume Celosia Pride of Castle Gould at Julius Roehrs Co.'s, Rutherford, N. J.

Proposed New York Flower and Plant Market

We have been favored with the following report by William H. Siebrecht, Jr., attorney for the joint committees of growers, etc.:

On Monday, October 17, the joint committees appointed by the N. Y. & N. J. Association of Plant Growers, New York Florists' Club, Growers' Cut Flower Co., Cut Flower Exchange and the N. Y. & N. J. Market Florists' Association, to procure the establishment of a flower and plant market under the Queensboro Bridge at 59th st., New York City, held a meeting at the Hotel Earlington. The attendance showed that the enthusiasm in the proposition had not cooled. William H. Siebrecht, Jr., the attorney for the committee, stated that the resolution authorizing the establishment of this market still rested with the Board of Aldermen's committee on highways, etc.; that the said committee agreed to favorably report the resolution, and had actually prepared a favorable report, but that such report would not be filed until the remainder of the property under the bridge would be converted into a public playground, and that the said committee intended to use the florists as a "tool" in order to secure the playground from the Park Commissioner. The Park Commissioner appeared before the committee's last hearing and stated he would convert the said space into a public playground as soon as the same was turned over to his jurisdiction by the Bridge Commissioner. The Bridge Commissioner signified his consent to transfer the space from his jurisdiction to that of the Park Commissioner, but the Corporation Counsel intervened and stated that the Bridge Commissioner had no jurisdiction to transfer this property, which was given to him for "Bridge" purposes, to anyone else or for any other purpose, without an act of the Legislature. Mr. Siebrecht stated that another plan to obtain the establishment of the market was suggested and agreed upon, and that the Comptroller desired a proposed floor plan in order that he could ascertain where the necessary drains, water supply pipes, etc., should be located, and how many of them would be necessary, in order that the approximate cost could be ascertained.

It was the sense of the meeting that the committee on floor plan should hold a meeting in the near future and agree upon a plan for the new market.

The plan committee held a meeting on Friday, Oct. 21, and laid out the floor plan, with the assistance of Sidney H. Goodacre, superintendent of the City's Bureau of Markets and Revenue, and Mr. Miller, brother of the City Superintendent of Buildings. This plan will now be submitted to the Bridge Commissioner for approval, after which the desired space will be transferred by the Bridge Commissioner to the City's Bureau of Markets and Revenue, which, in turn, will convert the same into a plant and flower market.

Mr. Siebrecht pointed out that the Bridge Commissioner has power and authority to do this, and that he has rented out the space underneath the Brooklyn Bridge ever since it was completed. Mr. Goodacre stated that the Bridge Commissioner did the same thing underneath the Williamsburg Bridge, and that a suit to determine the Commissioner's authority was decided in favor of the Market Bureau and the Bridge Commissioner, by both the Supreme Court and the Appellate Division, and that the matter was now being taken to the Court of Appeals.

Prospects for a new market are very bright and the committee expects to report the actual establishment of the market in the near future. Of course, it will take several months to enclose the site and to arrange for the heating and to build stands, but obtaining the establishment of the market itself is, at this time, most important.



The Retail Florist,

A Paper by Edward MacMulkin of Boston, Mass., read before the Gardeners and Florists' Club of Boston, October 18, 1910.

(*Continued from page 747*)

As a body, the retail florists mean to be fair, but I am sorry to say that some of them have contracted very bad habits. In every large city you will find men who, the moment they find a neighbor in the way of obtaining a good order, will deliberately offer to do the work for so much less, regardless of what profit they can make, simply to get the business away from the neighbor. This is a very serious drawback to the man who is doing a legitimate business. Unfortunately, it is a common practice all over the country. If these men would only stop to think they would know that this practice is doing them no good, and is hurting the customer, who naturally feels that he was imposed on at first, and who knows that he has been imposed on when he sees the order completed. I have experienced many such cases, but never one that was satisfactory to the customer. You can readily understand that one man cannot give the same thing for much less than another, while at the same time satisfying his customer; he must cut down on the quantity or quality of stock supplied, either of which is sure to be noticed. As a consequence he does himself no good and prevents his neighbor from making a fair profit on the order.

Another trouble in the trade is that the average customer cannot understand the great difference in the quality and price of flowers. If the dealer is at all unscrupulous it is easy for him to deceive the customer by giving him the impression that he is really selling the same article for less money. Of course, this does not happen very often, and is always disastrous to the cheap man. He makes that one trade, but can never do business with the same customer again. Every man in business is entitled to a legitimate profit. He must satisfy himself what that profit should be, and then see that he gets it. If his unscrupulous neighbor should take away a trade it should not bother him; his customer is sure to come back, and

come back to stay. The man who starts in the retail florist business today is in it to stay—if he can. To do a paying business he must invest considerable capital in fixtures, and what is known as dead stock, that is, a certain amount of stock that must always be in one's possession to do business properly and at a profit. To be successful as a florist in these times a man must have a presentable place in which to do business; he must keep it well stocked, and must have a goodly number of competent employees. He must also have greenhouses in which to store the goods necessary for the business, or must hire them, thus reducing his profits; he must have or hire land for his garden work, in fact he should be in a position to tell his customers he can fix up their grounds or gardens as well as their tables. Nowadays, the customer not only wants such service of his florist but expects it of him. If you cannot do it for him he goes to the other fellow, who does the work for him. He also sells flowers to your former customer, who is now yours no more.

Every man in the trade should have the ambition to run a place where everything relating to flowers can be obtained for the asking. The outdoor work of the florist is gradually assuming large proportions and is deserving of his best efforts. It is a well-known fact that what is called the "store" business is only good from about the first of October to the first of May. The rest of the year the florist who does nothing but a store business has hard work to make both ends meet, generally using up the Winter's profits to pay the Summer's expenses. Many years ago I saw the necessity of making the dull months if not profitable at least self-supporting, and to my surprise found conditions were such that I found no difficulty in providing work for men that otherwise would have to remain idle during the Summer. I want to say here that experienced labor is difficult to obtain, and when you get good men it is better to keep them than let them go for a couple of months when you really have nothing for them to do.

To make the florist business profitable today requires a certain class of men, and the more they know about their business the more successful they will be. Any ordinary well-dressed man can sell a customer what he wants, but the real man must have many qualifications to make him a success. All these should be natural, but, if the individual is unfortunate not to possess them they can be acquired. The successful florist must have good taste, good ideas, good manners, and the integrity to carry out in good faith any agreement he may make with a customer. Naturally his taste and ideas must be good, as customers do not care for the same thing often, and sometimes do not want what they have seen elsewhere. This makes it imperative for the florist to be able to originate new schemes for the arrangement of flowers, and new methods of placing them before customers.

The temptation to save money and material at the expense of the customer is often very great but it is always a mistake. The principal mistake, however, made by the retail florist is the selling of old flowers. Don't sell old flowers—I hope all the growers here are listening—you make money by throwing them away. Nothing discourages a customer so much as to buy a few flowers and find them all curled up the next day. He may stand it once or twice, but in a short time he feels he is throwing money away to buy flowers, and instead of buying once or twice a week he only buys when it is absolutely necessary, and then with the feeling that he is not getting what he pays for. It is also bad policy to sell a customer what he asks for simply because he is willing to pay for it, when you know he will not be satisfied with the result. Do the right thing by telling him what you know. It will give him confidence in your ability and integrity, and will also help to increase your business.

If you are in doubt about anything, don't pretend to know; find the man that knows and ask him—you can always find him, provided you have the courage to admit there is something you don't know. Make your people feel that nowhere else could they obtain as good results as with you. It is a well-settled fact that every satisfied customer will make another for you.

Years ago all that was required of the florist was the making of a bouquet, putting a few flowers in a second-hand shoe box, making a few so-called designs for funeral purposes, and occasionally something more pretentious than a bouquet for a large banquet. Today, the florist must be prepared to present ideas to a customer for the decoration of the dinner table, house decorations for weddings, receptions, teas, etc., church decorations for all occasions, the arrangement of flowers in appropriate form for birthdays, anniversaries, funerals, etc. He must know what is appropriate for the occasion and properly execute the commission. To the average buyer, the selection of flowers for a special occasion is a new experience, and it is the duty of the florist to suggest to his customer what he knows is the best thing for him to have. Not only must the florist do this but he should make the expense so reasonable that the customer will not be afraid to look at a florist's window afterwards.

There is more money in selling a man $5 worth of goods a hundred times than in selling him $100 worth once. The florist very often finds it difficult to draw the line between what he would like to give the customer, and what he wants and should have, and very often the addition of a few dollars to the expense would act as the straw that broke the camel's back. While the customer would pay it, and really get his money's worth, he would still feel that he was compelled to undergo an expense that under the circumstances was entirely uncalled for.

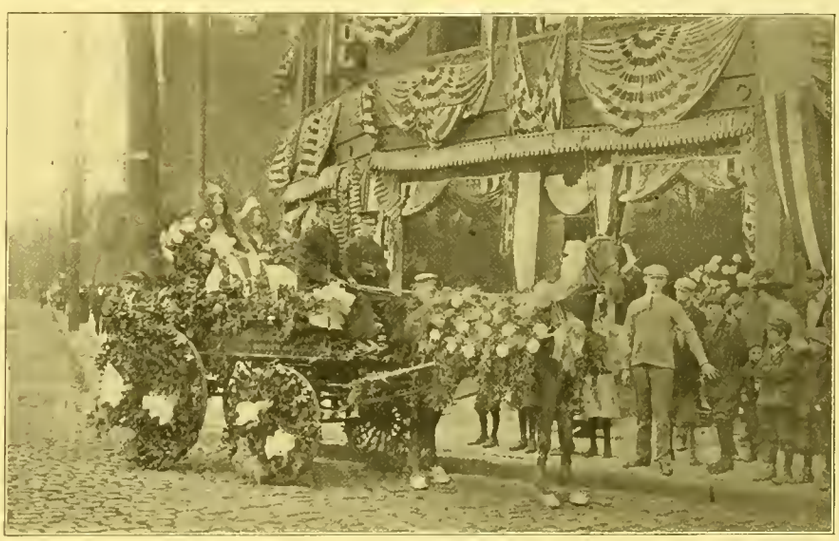
The more the general public is educated to the fact that it is the thing to provide flowers for any and all occasions, the better it will be for the business. The only way to do this is to make them feel that they are getting their money's worth.

While flowers vary in price at different seasons of the year, they always have a price, and it should be the same to everybody. It is too often the habit with some florists to ask a certain price for flowers that the customer will consider is more than he wants to pay, and instead of offering something more in keeping with what is wanted as regards price they will reduce the price of their offerings. This is not the practice in other lines of business, and nothing that can be done or said will convince that customer an attempt is not being made to take advantage of him. I do not mean by this that a large buyer should not receive concessions. It is legitimate in any business to sell a buyer at a less price per hundred than could be made for a single article. Never allow one customer to say to another that he can buy the same thing for less money than the other can. This is also true when you give a purchaser a price and he tells you he can get the same thing elsewhere for less money. Take no notice of it. The other fellow must make a profit the same as you or he could not do business. Certainly, he should not be able to grow or buy at a less price than you can, but if he does it is your fault, and you should take the necessary steps to be on an equal footing with him.

At best, the retailer has a hard road to travel. Of course, he has his compensations, but he also has a few troubles, one of which is the lack of appreciation on the part of the grower. When all is said and done, the disposal of ninety per cent. of the flower supply depends on the retailer. While not looking for sympathy or favors, he wants common courtesy. The man in business looking for sympathy usually does not deserve it, but whether he does or not he never gets it.

It has always been a matter of surprise to me that the supply and demand sections of the flower trade have never gotten together to formulate some system that would benefit both sides and be for the general good of all concerned. The wanton fluctuations in the price of flowers in the last few years, and the holding of flowers at holiday times has worked almost irreparable damage to the cut flower trade. This damage has not only been done to the retailer but also to those who have caused it, the growers. Some of you may laugh when I say that these things have increased the sale of plants at Christmas and Easter over one thousand per cent. in the last ten years. I need only call your attention to the spectacle of Roses and Carnations being a drug on the market last Easter, not from an over supply but simply because the buying public have become disgusted with the general quality of holiday flower offerings. This not only hurts the growers' returns, but the retail and wholesale men are abused on all sides. The sooner the growers get over the "Hurrah boys! Here's a rush and anything will do" feeling the better it will be for their interests. If I knew how to hit the growers harder on this subject I would do so, but as I don't you will have to imagine I am roasting you alive, and if it keeps on much longer somebody will be asking "Has any one seen Kelly"—"Kelly" meaning the growers. You all know I say this for the general good of the business and not for the reason that I have been the recipient of rotten offerings, because I have not; but I do know that in a general way these two things have done the damage. No other line of business would stand it, and I would like to know why the florist business cannot be run on as legitimate a basis as any other line of trade.

The florist business is as yet an infant industry. It is only within the last twenty years that it has been recognized as a factor in our industrial and artistic life. It is growing and growing fast. In 1910 there are 8000 commercial florists in the United States, operating 90,000,000 ft. of glass and 60,000 acres of land, with an investment of $75,000,000. The total output is computed as $25,000,000; labor expense $5,000,000; the output retailed at $40,000,000. The importations of bulbs, plants, etc., increased from about $500,000 in 1870 to $10,000,000 in 1900. These statistics do not include the 200,000 acres and 25,000,000 ft. of glass in the nursery business, with an output of over $25,000,000. I tried to get the statistics of the last census showing the remarkable increase in construction during the past ten years, but could not do so in time for this meeting. You will all be surprised at the percentage of increase in the business, and it will keep on increasing if it is handled properly. It will have its setbacks the same as any other business; lean years will appear now and then, and the florist will feel them more keenly than other business men, as flowers are a luxury; but from now on it will keep step with all other industries and average equally prosperous. It is an ideal business, as it brings the man who understands it as near to Nature as it is possible to get. A good florist should be an important man in the community. We all take it for granted that he is a better man than a good farmer, and everybody concedes that the farmer is "King." Anyway, the politicians spend the best part of their time looking after him. There has never been a line of business which would yield as good results on the money invested as farming, with the same attention given to details as in other lines; but a good florist is an advance on a good farmer, and should be able to get better returns for his labor.



Decorated Wagon by John Madden, Jersey City, N. J.

A Handsomely Decorated Wagon

Our illustration is of a decorated wagon which secured first prize in the Industrial Parade, Jersey City, Oct. 21. The wagon was designed by John Madden of 768 Bergen ave., that city, and was decorated with Oak leaves, yellow Chrysanthemums, Ferns, Palms and chiffon. The blanket for the horse was made of Smilax and yellow Chrysanthemums tied with white and yellow chiffon. The two young ladies represented Miss Liberty and Miss Knickerhocker, and carried enormous bunches of yellow and white Chrysanthemums. The boys were in full uniform. The parade was one of the features of the 250th anniversary of the settlement of Bergen by the Dutch.

The Value of Our Directory of Reliable Retail Houses

Publrs. The Florists' Exchange:

I thank you for the improved card which yours of the 21st announces is on the way. I have the one constantly in my store window which you sent me some time ago; it is beautifully framed and scarcely a day passes that it does not benefit us. Enclosed you will please read a beautiful testimonial which is the result, indirectly, of my advt. in The Florists' Exchange. I have many more good letters of this kind. I, for one, would not want to do without representation in your columns for twice the cost.

Dayton, O. W. G. MATTHEWS.

[The order referred to by Mr. Matthews was from New York and reached him by night telegram; it was a liberal order for Am. Beauty and other Roses with accessories. In a subsequent letter the customer thanks Mr. Matthews for the pleasing manner in which he heard the decorations had been made and for his exceptionally moderate charges.]

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, tranamit same to an advertisr in these columns, and thue avail themselves of the opportunities for extension of trade which ars open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading ars all conaidered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS — NEW YORK STATE

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Established 1874 — **Jno. V. Phillips** — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

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Albert G. Fiedler & Co — BALTIMORE MARYLAND — 902 South Charles St.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

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Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnewaska	Oct. 29	7.30 am.	W. 16th St., N.Y.	London
St. Louis	" 29	10.00 am.	W. 23rd St., N.Y.	Southampton
Europa	" 29	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Vaderland	" 29	11.00 am.	W. 18th St., N.Y.	Antwerp
Moltke	" 29	2.00 pm.	1st St., Hoboken	Hamburg
Columbia	" 29	1.00 pm.	Bush Dks, Bklyn	Nap.-Palermo-Trieste
Baltic	" 29	2.00 pm.	W. 21st St., N.Y.	Liverpool
Niagara	" 29	3.00 pm.	N. Y.	Havre
Chicago	" 29	3.00 pm.	N. Y.	Havre
California	" 29	3.00 pm.	W. 24th St., N.Y.	Glasgow
Themistocles	" 29		Pier 22, Bklyn	Piraeus-Smy'a Constant'ple
Potsdam	Nov. 1	10.00 am.	5th St., Hoboken	Rotterdam
Ka. Wilhelm II.	" 1	10.00 am.	3rd St., Hoboken	Bremen
San Giovaoni	" 1		Pier 33, Bklyn	Napls-Palrmo
Caroaia	" 2	10.00 am.	W. 14th St., N.Y.	Liverpool
Oceanic	" 2	3.00 pm.	W. 21st St., N.Y.	Southampton
Cincinnati	" 3	10.00 am.	1st St., Hoboken	Gib-Nap-Geno.
La Proveoce	" 3	10.00 am.	W. 15th St., N.Y.	Havre
Fred. der Grosse	" 3	10.00 am.	3rd St., Hobokeo	Bremen
Furnessia	" 5	9.00 am.	W. 24th St., N.Y.	Glasgow
New York	" 5	10.00 am	W. 23rd St., N.Y.	Southampton
K. Ang. Victoria	" 5	11.00 am.	1st St., Hoboken	Hamburg
Prinzess Irene	" 5	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Minneapolis	" 5	11.30 am	W. 16th St., N.Y.	London
Re d' Italia	" 5	12.00 m.	Gr'nd St., Jer.Cy	Pal-Nap-Geno
Celtic	" 5	12.00 m.	W. 21st St., N.Y.	Liverpool
Birma	" 5		Bush Dks Bklyn	Libau-Rot'am
Antonio Lopez	" 5		Pier 8 East River	Cadiz-Barcel'a Genoa-Naples
Engenia	" 5	1.00 pm.	Bush Dks, Bklyn	Naples-Tri'ste
K. W. der Grosse	" 8	10.00 am	3rd St., Hoboken	Bremen
New Amst'rdam	" 8	10.00 am	5th St., Hoboken	Rotterdam
Mauretania	" 9	9.00 am.	W. 14th St., N.Y.	Liverpool
Lapland	" 9	10.00 am.	W. 18th St., N.Y.	Antwerp
Luisiana	" 9	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Majestic	" 9	3.00 pm	W. 21st St., N.Y.	Southampton
Gr's'r Kurfuerst	" 10	10.00 am.	3rd St., Hoboken	Bremen
La Savoie	" 10	10.00 am	W. 15th St., N.Y	Havre
Ultonia	" 10	12.00 m	W. 14th St., N.Y	Nap-Tri-Flume
United States	" 10	2.00 pm.	17th St. Hoboken	Copeohagen
Veoezia	" 10		31st St., Bklyn	Naples-Mars.
Volturno	" 10		Pier 38, Bklyn	Rotterdam
Minnehaha	" 12	9.00 am.	W. 16th St., N.Y.	London
St. Paul	" 12	10.00 am.	W. 23rd St., N.Y.	Southampton
D'a D' Ahr'zzi	" 12	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
From Boston				
Canopic	Oct. 29		B & M Dks. Char	Azores-Gib
Cymric	Nov. 1	10.00 am	B& M Dks, Char	Liverpool
Winnifrediac	" 3		B&ADks, E.Bos.	Liverpool
Cestrian	" 9		B&ADks, E.Bos.	Liverpool
Philadelphia				
Carthageoian	Oct. 29		24 No. Wharves	Glasgow
Haverford	Nov. 5	10.00 am.	53 So. Wharves	Liverpool
Menomiaee	" 11	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 12		24 No. Wharves	Glasgow
San Francisco				
Tenyo Maru	Nov. 1	1.00 pm.	1st Street	Honolulu
Korea	" 8	1.00 pm.	1st Street	Japan
Nippon Maru	" 22	1.00 pm.	1st Street	Cbina

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J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

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We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

J. N. Champion & Co — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill

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Myer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

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Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

For "Supply" Advertisements see pages 790-791

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Anywhere—At Any Hour

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[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

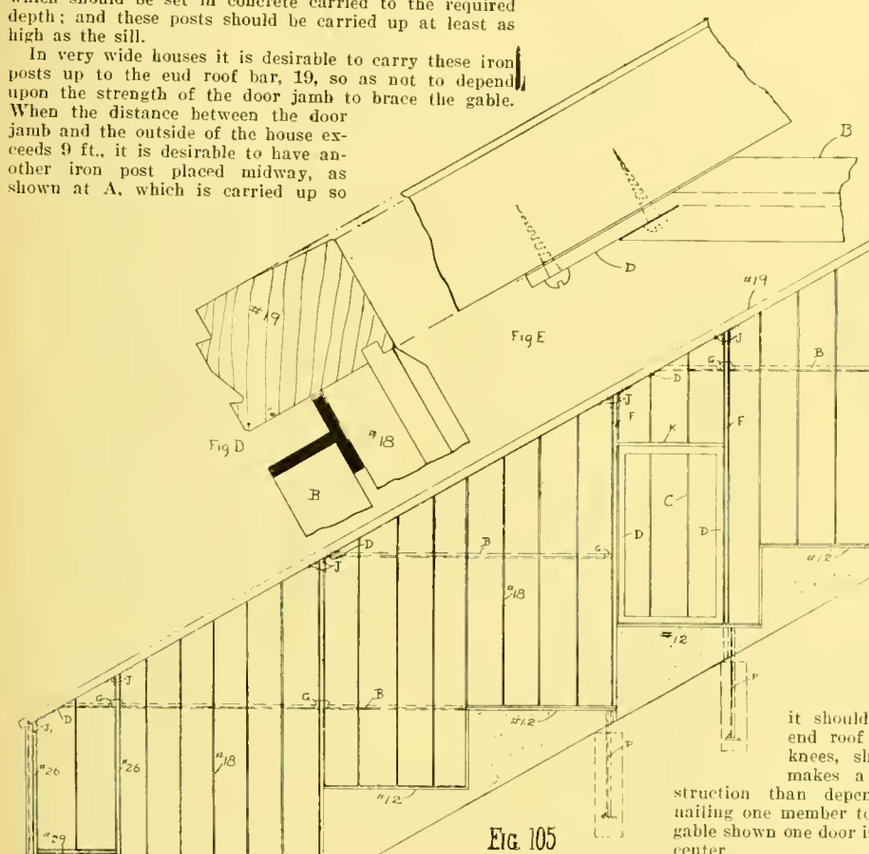
Article IV—Continued

Material and Construction

The construction of gables of semi-iron frame houses is almost the same as that described for wood houses, and as illustrated in Fig. 50 to 53. Especially is this the case when an ordinary wood sill is used. Of course, where either cast iron sills similar to those shown in Fig. 79, or a "T" sill and base as shown in Fig. 80 and 81, are used, the construction is somewhat different, but in the general lines it is practically the same.

Fig. 103 shows a gable for a semi-iron frame house 36 ft. wide, with concrete wall below a wooden sill. The wooden jambs, 26, extend from the door sill, 28, to the end roof bars, 19. They are secured at the bottom to the iron posts, P, similar to those which support the eaves of the house, either of pipe, angle iron or tee iron, which should be set in concrete carried to the required depth; and these posts should be carried up at least as high as the sill.

In very wide houses it is desirable to carry these iron posts up to the end roof bar, 19, so as not to depend upon the strength of the door jamb to brace the gable. When the distance between the door jamb and the outside of the house exceeds 9 ft., it is desirable to have another iron post placed midway, as shown at A, which is carried up so as to form a support for the sill. In this way the support of the gable is made entirely independent of the concrete wall below the sill, as should always be the case.



As before stated, the end bars, 18, should not be carried higher than about 5 ft. to 5 ft. 6 in. without being supported by horizontal purlins. In the illustration, B shows iron purlins placed at the required locations. The purlins on each side of the door extend from the door jamb, 26, to the end roof bar, 19. The purlins shown are made of angle iron, but these may consist of either pipe or tee iron, the gable purlins generally being made of the same material as the purlins which support the roof of the house.

The purlins are secured to the door jambs by means of an iron knee, G, and where they meet the end roof bar, 19, they should be secured to same in a manner similar to that shown at D; and where the purlins consist of either tee or angle iron this is very easily done, by cutting the end of the angle or tee iron and bending the end of the horizontal web to suit the angle of the end roof bar, 19, as shown in the enlarged view, Figs. E and D.

Where pipe is used, it is generally necessary to have a special fitting for securing same at this point. Where the wood door jamb is used entirely for bracing the gable, it should be secured to the end roof bar, 19, with iron knees, shown at J. This makes a much better construction than depending simply upon nailing one member to the other. In the gable shown one door is used, placed in the center.

FIG. 105

Fig. 104 shows a gable with two doors, one being placed on each side. This is sometimes desirable to assist in the filling of the benches; but where one door in the center is used, it is frequently advisable to place a removable sash above the sill, between the sides of the house and the door. This sash and the construction of same will be illustrated later. Where the two doors are used in wide houses, this same sash is sometimes placed as near the center of the gable as possible. The gable shown in Fig. 104 is a much stronger construction, and could be used to advantage in houses up to 40 ft. wide.

It will be seen that there is a 2 in. x 4 in. center support, G, extending from the ridge to the grade, being secured to pipe post, P, set in concrete the same as for the door jambs; but in the case of 40 ft. wide houses it would be advisable to run this iron post the whole way to the ridge, instead of stopping same at the sill as shown. These gables show what is necessary for an even span house, but the same principles and proportions given in the table below, if carried out in connection with the three-quarter span or shadeless ridge houses, will give equally satisfactory results.

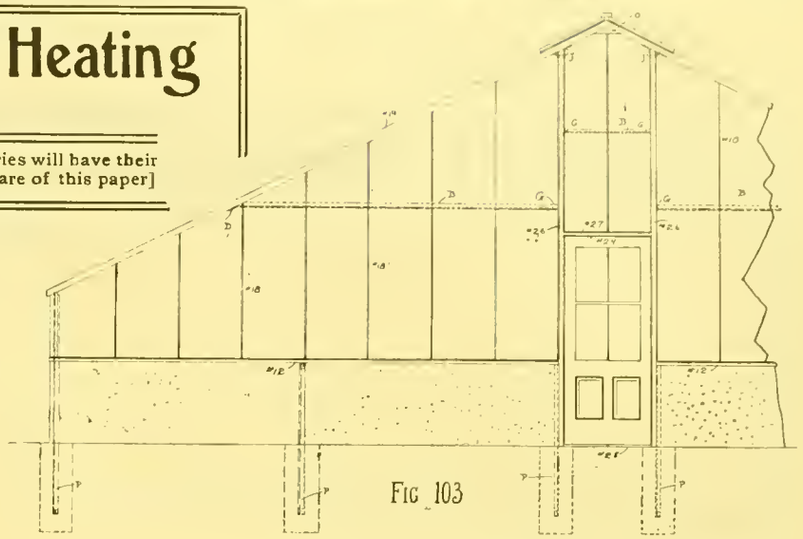


FIG 103

In the case of the solid glazing between the eaves of the house and sill, where the distance between the sill and eaves is over 5 ft. 6 in., an iron purlin should be carried along midway between the eaves and sill. These purlins should be secured to the posts which support the eaves of the house, and also to the side bars, in manner similar to that described in connection with the gable elevation.

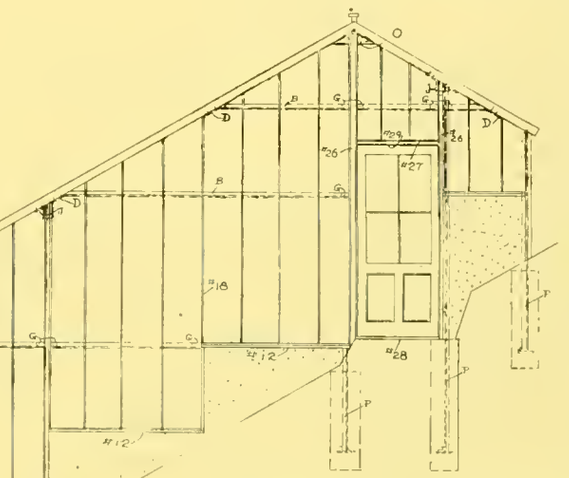


Fig. 105 shows a form of gable construction suitable for a side hill house similar to that illustrated in Fig. 102, the door jambs and upright gable supports being the same as described for the gables in Figs. 103 and 104, and the angle iron or "T"-purlins being placed and connected in the same manner. The sills used in connection with this work may be either of wood or iron, and should be placed in step form similar to that shown. If desired, the number of steps in the concrete wall below the sills could be increased, and thus show less wall, but the form of stepping shown in this gable will probably be found satisfactory in most cases.

(To be continued)

Improvements in Perennial Lobelia

The tall growing perennial Lobelia is going to be a big line in the near future and our men are gradually getting away from the old scarlet cardinalis. Barr & Sons recently exhibited Sam Barlow, a beautiful cerise form, which secured an A. M. Ladham's of Southampton have also several pink and rose forms, hybrids of syphilitica.

T. A. W., Eng.

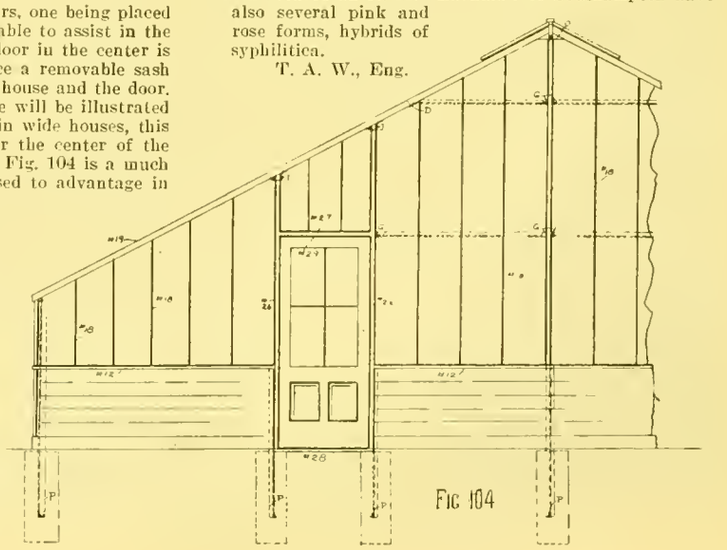


FIG 104

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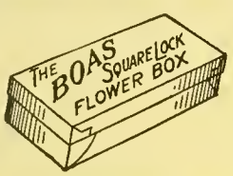

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HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

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DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



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Size	Per 100	Size	Per 100
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†20x4x2*	2.25	18x18x8	9.00
†21x5x3	2.75	20x20x8	10.00
†21x7x3½*	3.25	22x22x8	12.00
†24x6x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x15x8	10.00
25x15x5*	7.25	24x18x8	12.00
†30x6x3½*	3.75	28x22x8	13.50
†30x10x5*	7.50	30x15x8	13.50
†30x12x7	9.00	25x20x10	16.50
†36x6x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†36x10x6*	9.00		

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

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Metals, Wire Work and Basket Work

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Reliable Supplies for both Wholesale and Retail Florists

The Florists' Supply House of America

WHEN others cannot supply your needs, then go to The House that has The Goods, and will give Low Prices, Quality, Promptness and Service. We can furnish you with All The Proper Goods in the Market. Write us. We do the rest. A Postal brings our New Catalogue.

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
167 Lake Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

Retail Notes

BURLINGTON, VT.—Mrs. C. M. Gove of Shelburne rd., is to open a florist store on Main st.

LONG BRANCH, N. J.—W. W. Kennedy & Sons have closed their branch store here and will devote their attention to their Red Bank branch.

SAYRE, PA.—J. B. Knapp, of the River Edge greenhouses, has opened his retail store on Packer ave. for the season. Mrs. Christine Courtwright, as usual, is in charge.

BATTLE CREEK, MICH.—Henry M. Burt, formerly a member of the firm of Burt & Coggan, florists, has opened one of the largest flower stores in the State, at Jackson. The store is located in the Otsego Hotel.

New Orleans

Harry Papworth, president of the Metairie Ridge Nursery Co. has arranged to install a drinking fountain for stock as well as for persons in front of the nursery on Metairie road. The fountain will be of the most modern type which can be procured. Mr. Papworth says he realizes that an innovation of this kind will prove of great value to truck farmers and others who have occasion to use the road. It will be sanitary in every respect, and will be put in place as soon as possible.

PASSAIC, N. J.—Wm. Hundertmart, manager for M. McAllister, has been advised that he has been awarded the contract for decorating the home of E. R. Nichols, Llewelyn Park, West Orange, N. J., for a wedding on Nov. 9. His plans, etc., were selected by Mr. Nichols, as being the most effective. Mr. Nichols is president of the Nichols Copper Co. The order also includes the bouquets. West Orange is out of McAllister's district, he feels highly honored in having the contract come this way, as it is a big one. The McAllister store has been doing a large business this season, aside from weddings, of which it has had the bulk.

An addition is being made to the working staff, and a new top delivery wagon is to be put into service in a few days.

Of Interest to Our Bowlers

The National Bowling Association Tournament of 1911 will be held at the Broadway City Convention Hall, Buffalo, N. Y., from Feb. 25 to March 18, 1911. For information and entry blanks address John G. Floss, General Manager, 323 Washington st., that city.



Please mention the Exchange when writing.

Japanese Gardens in California

Japanese gardens are by no means common in America. True, we have quite a few which are noted for their unique construction, but, on the whole, this type of garden, does not seem to be very popular in America. In England, on the other hand, there are quite a few gardens of this description which are models of ingenuity and clearly show painstaking work. The most notable probably is the famous Japanese garden at Gunnersbury House, at the home of Leopold Rothschild, and which I had the pleasure of seeing some few years ago.

In California we have two such gardens, which probably excel anything of their kind in America. I refer to the Japanese garden in Golden Gate Park, and the tea garden at El Cerritto, San Mateo. The Golden Gate Park garden is recognized by experts as being the finest example of this kind of work ever constructed in America, and it is certainly an eye-opener to many people who thought that it was impossible to see a typical Japanese garden outside Japan. Mr. McLaren the superintendent of the park has given the people of San Francisco many beautiful features in Golden Gate Park, but I question whether there is anything of more real enjoyment, than having afternoon tea in their own tea garden.

The accompanying illustration shows a corner of the Japanese tea garden at El Cerritto, the home of Eugene de Sabla. While this garden is not constructed on such an elaborate scale as the one in Golden Gate Park, it is none the less worthy of a place in the list of famous gardens of the West. William Hill, who reigns supreme at this noted establishment, has remodeled many parts of the garden with a view to obtaining better effect, and at the present time there are few Japanese gardens which can equal the one at El Cerritto for faithfulness in regard to detail, and one cannot see it without believing that it is a typical garden of the land of Cherry blossoms.

MACMILLAN BROWN.



A Corner in the Japanese Tea Garden at El Cerritto, Cal.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A1 grower of Roses and Carnations. Address "Florist," 156 E. 32d St., New York City.

SITUATION WANTED—In flower store by young man, aged 23; some experience. Willing and obliging. Address, N. K., care The Florists' Exchange.

SITUATION WANTED—By an all around greenhouse man; sober; good potter. References. Address, Hesse's Printery, 249 Hamburg Ave., Brooklyn, N. Y.

SITUATION WANTED—By young man of good character; greenhouse experience. Would consider a place in a store. Address, N. D., care The Florists' Exchange.

SITUATION WANTED—By A No. 1 Rose grower on private or commercial place. American, aged 28; best references. Address, N. E., care The Florists' Exchange.

SITUATION WANTED—By A No. 1 trusty fireman with years of experience; steam or hot water boilers. Position on a large place preferred. Address, N. C., care The Florists' Exchange.

SITUATION WANTED—By assistant greenhouse man; a good grower of Roses, Carnations, Christmas and Easter stock; good potter. Good wages expected. Address, N. A., care The Florists' Exchange.

SITUATION WANTED—By experienced grower of Roses and Carnations as assistant foreman on commercial or private place; 13 years' experience; 9 years in this country; age 27; references; good wages expected. New York State preferred. Address M. E., care The Florists' Exchange.

SITUATION WANTED—By first-class florist and gardener, desirous of changing the present situation. Have had 25 years' experience in growing all kinds of cut flowers, bedding and pot plants; good propagator and designer, married, no children. Best of references from present employer. Address M. A., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 41 years of age, single, German, sober and good worker; a first-class all-around man, experience from private and commercial places on under glass and outside work; good maker-up. Experience in Roses, Carnations and 'Mums; first-class references from former and last employer. Please state wages and particulars. Address A. R., care Mr. Prager, 172 West 124th st., New York City.

SITUATION WANTED—By thoroughly competent landscape architect of long and extensive experience; able and independent designer and draughtsman; expert in construction; also competent florist in decorations and designs as well as in greenhouse and outdoor culture, forcing, etc., and in the care and maintenance of parks. Advertiser desires to accept position for development or superintendence of private or public property. New York State preferred. Please address M. C., care of Room 614, 60 Wabash avenue, Chicago, Ill.

HELP WANTED

WANTED—First-class Carnation grower in section; well experienced; good wages. George Peters & Sons, Hempstead, L. I.

WANTED—Night fireman for four steam boilers; married man preferred. State wages and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—First-class decorator and designer; answer with references and salary expected. Jacksonville Floral Co., Jacksonville, Fla.

WANTED—A young man as salesman and designer; a good, steady position to the right man. Address, Warendorff, 2042 Seventh Ave., New York City.

WANTED—Florist, experienced in Carnations, 'Mums and bedding stock. Apply to D. Y. Mellis, 3421 Snyder Ave., Flatbush, Brooklyn, N. Y.

WANTED—Boy or young man who has worked in flower store and knows something about the business. Le Moult, 436 Fourth Ave., New York City.

Continued to next Column.

HELP WANTED

WANTED—An experienced greenhouse man, single; must be a good propagator and temperate. Good salary paid. Apply to A. N. Kinney, West 198th St. and Fort Washington Ave., New York City.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—A young lady thoroughly experienced; one who can handle first-class trade. Good reference required. Address Howard P. Kleinhans, 66 Centre sq., Easton, Pa.

WANTED—An expert to grow vegetables for exhibition purposes only. Hot beds and outdoor work. Wages, $125.00 per month and room. Only first-class men with record need apply. Address, N. L., care The Florists' Exchange.

WANTED—Good grower as assistant on commercial place where general stock is grown. Give age and place where last employed and state wages expected. MARK AITKEN, Springfield, Mass.

STOCK FOR SALE

CARNATIONS

CARNATION PLANTS—Field grown, fine. Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS

Kanaria Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 26, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

STOCK FOR SALE—Stock plants of Golden Glow, $5.00 per 100. R. T. McGorum, Box 25, Natick, Mass.

CHRYSANTHEMUMS, stock roots of Halliday, early yellow, $1.00 per doz.; $5.00 per 100. Apply to Edw. Burrows, Tenafly, N. J.

CHRYSANTHEMUM STOCK PLANTS of Yellow Ivory and White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

STOCK PLANTS OF CHRYSANTHEMUMS Golden Glow can ship at once. Will have the following varieties, Polly Rose, Monrovia, Mrs. Robinson, Dr. Enguehard, Pink and White Ivory, Yellow and White Eaton, Lincoln, V. Poehlmann, $1.00 per dozen, $5.00 per 100. Satisfaction guaranteed.

Brant Bros. Inc., Utica, New York.

MISCELLANEOUS

STOCKS, 800 "Flower Market White" in 2 in. pots, twelve leaves, $2.00 per 100. Cash. Kuhne Bros., Hicksville, L. I., N. Y.

ASPARAGUS Sprengeri, 4-in., 5c.; Asparagus Plumosus, 4-in., 6c.; Tsussimense Ferns and Holly, 4-in., 10c. Eswell Kemp, 249 Grove St., Newark, N. J.

CUMBERLAND RASPBERRY TIPS, strong, $1.00 per 100; $7.50 per 1000. The Lancaster County Nurseries, R. F. D, No. 7, Lancaster, Pa.

JAMESTOWN PHLOX, brightest red, $6.00 per 100; Delphinium Formosum, light and dark blue, $7.00 per 100. Samuel Smith, Florist, Jamestown, R. I.

GERANIUMS, rooted cuttings: S. A. Nutt and Grant, $1.25 per 100; $10.00 per 1000 Now ready. Cash. W. C. Myers & Sons, Scottdale, Pa.

STOCK FOR SALE—Asparagus Plumoeus Nanus, strong plants from frames, ready for large pots, $10.00 per 100. Speak quick.

The Florex Gardens,
North Wales, Pa.

STEVIA, large pruned field plants, $5.00 per 100. STOCK CHRYSANTHEMUM PLANTS ready: Golden Glow, Reviere, October Frost, $3.00 per 100, $20.00 per 1000. I. M. Rayner, Greenport, N. Y.

PERFECT specimen trees, 15 to 25 ft. tall, 2½ to 8 inches caliper, Norway and Schwedler Maples, Poplars, Beeches, Lindens, Catalpa Bungii, Wier's Cut-leaved Maples, etc.—Prices low; write us. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country. Stove Plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

DAHLIAS, for Dealers, Seedsmen and Growers. 50,000 large clumps, up-to-date varieties, cheap, for Fall delivery. Cash with order. Send for prices and list. Northboro Dahlia and Gladioli Gardens, J. L. Moore, Prop., Northboro, Mass.

FERNS—Scottii, Boston, Whitmani, Elegantissima, clean, healthy plants, good color, grown in pots in frames: 5-in. pots or pans, $3.00 per doz., $25.00 per 100; 6-in. pots or pans, $4.50 per doz., $35.00 per 100; 8-in. pots or pans $1.00 each, $12.00 per doz. Cash please. Ley & Bickings, Good Hope, D. C.

PEONIES, best varieties, fine strong roots, $6 per 100; Festiva Maxima, $12 per 100. Strong field-grown Phlox, ready to bloom next summer $3.50 per 100; following varieties: Boule de feu, bright red; Jeanne d'Arc, white; Athis, bright pink; and others: Hardy Marguerite, $4 per 100. Sunnyfield Nursery Co., Poughkeepsie, N. Y.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

CINERARIA
Stellata Plants

Fine, strong plants, out of 3-inch pots, finest varieties, 75c. per doz.; $5.00 per 100.

Stumpp & Walter Co., 50 Barclay St. NEW YORK CITY

CYCLAMEN, 5-in., in bud, 25c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 6c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $25.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 6 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 6-6 in., 15c.-25c.
All above stock is A No. 1 and of large size.
Cash from parties unknown.

JOS. J. SOKOL, Westville, New Haven, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

FOR SALE OR RENT

FOR SALE—To settle estate, old established florist and nursery business in the millionaires' colony on the South Shore of Long Island; 2 acres, dwelling, greenhouses and barn. Two minutes from R. R. station; one hour from Manhattan; 26 trains daily; three banks; city water, gas, electricity, trolley. First-class retail trade. Address, N. H., care The Florists' Exchange.

Seed Business For Sale

Doing a $25,000 Market Garden Trade. Stock on hand $11,000 at cost prices; fixtures and supplies $1,000; contracts made for 1911 sales. Over $4,000 worth of orders booked for delivery after December 1st. Will sell for $13,000. For particulars address:

F. R. GILLINDER
321 Stephen Girard Bldg., PHILADELPHIA, PA.

Inch and Quarter Steam Pipe For Sale. 20,000 Feet

At three cents per foot, cash, delivered on cars Washington D. C. Guaranteed well threaded couplings, and free from holes and splits.

FRANK I. WHITEHEAD, Washington Post Bldg. WASHINGTON, D. C.

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—300 feet of 2-in. wrought iron pipe, good threads and couplings, 5½c. per foot. G. Martin, Arlington, N. J.

FOR SALE—Richmond Boiler No. 021, capacity 650 feet of radiation, good as new, price $30.00. Dean Ferris, Peekskill, N. Y.

FOR SALE—Will sell 50 boxes 16 x 24 B double glass to quick cash buyer at $3.50 per box. C. S. Weber & Co., 10 Desbrosses St., New York City.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

AUTOMOBILISTS, ATTENTION.—Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.

I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—76 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO LEASE OR BUY—At once, retail greenhouse or store. State full particulars. Address, N. F., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO RENT—Greenhouses; well established business, from 5000 to 10,000 feet of glass in good condition and well stocked, near a good sized city in New England. Address, N. I., care The Florists' Exchange.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengthe up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. presseure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand mats of straw, wood frame, 4x6 ft. at 60c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

50 Visiting Cards 28c., 1000 Tags $1.75, 1000 Envelopes $1.90, 1000 Letter-heads $2.25. Illustrations free. Agents wanted.

FRED. A. SOTTER

Box 861 DOUGLASSVILLE, PA

Please mention the Exchange when writing.



Elberon (N. J.) Hort. Society

A regular meeting was held Oct. 17, with Pres. Peter Murray in the chair. After the routine business, the election of officers took place with the following result: President, James Kennedy; vice-president, Charles O. Duncan; secretary, John MacGregor; assistant secretary, William R. Seymour; treasurer, Anthony Bauer. All correspondence in regard to the Chrysanthemum exhibition should be addressed to Charles O. Duncan, Elberon, N. J.

ALEX. FLEMING, Rec. Sec.

Newport (R. I.) Hort. Society

A regular meeting was held Tuesday, Oct. 25, President James Robertson in the chair. Messrs. James Forbes, John Urquhart and Wm. McKay were appointed a committee to examine and report on display of flowers shown at the meeting and, on their recommendation, a cultural certificate was awarded to A. Jenkins for display of Chrysanthemum blooms from 6" pots; the varieties were Mrs. Morton F. Plant and Beatrice May. A certificate of merit was given Wm. J. Watson for a rose-colored seedling hardy Chrysanthemum, and also a cultural certificate to Wm. Gray for vase of Gypsophila elegans var. alba grandiflora. A. McL.

Albany Florists' Club

A regular meeting of the flower show committee was held at its meeting rooms on Oct. 20. Chairman Fred Goldring called the meeting to order; eleven members were present. The decoration committee reported that they had seen Mr. Kale, gardener of the Executive Mansion, who gave his promise to have Palms, Ferns and plants sent to the show providing the Club takes charge of the same. Superintendent Phil. Bender of Public Parks, Albany, has offered his share of Palms and plants; he will display a group of Cactus of fifty sorts. The following have volunteered to exhibit: Mrs. Dean Sage, Albany, Chrysanthemums; Wm. H. Sage, Albany, plants and cut flowers; F. R. Pierson Co., Tarrytown, Ferns. A number of applications for premium lists have been received from outoftown growers who intend to exhibit. The committee on vases was instructed to spend $50 on vases for cut flowers. F. A. Danker reported he had 300 show cards printed. President Fred Goldring promised to furnish all the Hemlock and Spruce trees needed for the show. The decoration committee was instructed to order two cases of wild Smilax, and 100 bronze, 50 yellow and 50 red Beech sprays. The Albany Florists' Club cup, offered for the best arranged florist booth, has been ordered from Marston & Seaman of Albany. It was decided to order 100 diplomas, 500 entry cards and 500 posters from the A. T. De La Mare Ptg. & Pub. Co. The meeting adjourned until Oct. 27.

L. H. S

Rhode Island Horticultural Society

At a meeting of this Society, on Oct 12, the tree planting movement was endorsed. Mayor Fletcher told of conditions found in various sections of the city, and the need of at least 5000 trees to carry out the plans outlined. This work, taken up by the Evening Bulletin, in his mind is one of the most important movements in this city in years. Having made several personal visits to streets where it is proposed to plant trees, and where 1800 have been planted up to the present time, and where the little tots have been obliged to play in unshaded streets, without any protection from the sun, it is plain that similar trips would pull out of every man's pocket the price of a tree, without any hesitancy. The mayor pointed out that while the citizens of Providence have been very generous in their contributions, and about 3500 trees have been subscribed for, there is still a deficiency of about 1500 trees, which he hopes will be forthcoming. He claims there is plenty of room for 1000 trees, and urges that all members of the Horticultural Society use every effort to interest their friends in the movement. The meeting was presided over by Thos. Hope, in the absence of the president, A. H. Burlingame. Eleven new members were elected. Prof. Collins spoke of tree life, giving an instructive outline of the history of trees, their requirements and care. Much of his talk was devoted to a descriptive analysis of trees, which was very instructive and interesting. City Forester Johnson also gave a talk on the manner of selecting and planting trees, explaining why nursery grown trees are superior to common grown stock.

H. C. N.

Newport, R. I.

Louis L. Lorillard died in Paris, France, Sept. 22, in his 61st year. Mr. Lorillard was at one time owner of Vineland, the fine estate on the Cliffs; here he had erected a fine range of glass for the cultivation of plants, flowers and fruit. He was a great lover of plants and was much interested in the work of the Hort. Society of Newport; it was only last year he offered silver cups to encourage the cultivation of old-time favorites, especially Heaths and Tropæolums. In return for this kindness the Society placed his name on its list of honorary members. The charm of the man lay in his great love for Nature; a simple flower was as much to him as to the smallest child. Seeds were sown that he might watch the development of the plant and, when traveling abroad, he was always on the watch for something new in the plant line. He was most generous in sharing his finds with those of us not so favored.

About 26 years ago, the late Carl Jurgens had a range of greenhouses erected on his property on Mill st., this city. About the same time, the late Wm. Findlay had a grapery, 205 ft. in length, built on his place on Bliss st., and it is a strange coincidence that the same week has recently seen the demolition of both.

ALEX. MACLELLAN.

RICHMOND, VA.—The American Bulb Farm, in Chesterfield County, has been sold at auction to A. K. Davis of Petersburg, for $1970. The farm is near Petersburg.

LUTHERVILLE, MD.—Fire of mysterious origin destroyed the greenhouses and plants belonging to Miss Nannie Sloan on Oct. 18, resulting in a damage of about $1000.

NOTICE This is to notify the Public in general, and Florists in particular, that Andrew Benson is no longer in our employ, either as collector of Orchids, or Orchid grower, and has no authority to make any contracts in our name, or to incur any bills of any nature whatsoever.

A. N. PIERSON, Inc., - - Cromwell, Conn.

Please mention the Exchange when writing.

Washington, D. C.

The first white frost of the season came on the night of Oct. 23, which is unusually late for this vicinity. Dahlias, about the only remaining outside crop, suffered considerably where planted in low places, but they still continue to come from the high land. Generally speaking, business has been unusually backward this season, owing, it is thought, to the unseasonably hot weather which prevailed throughout October. Now that temperatures have fallen there is a marked change for the better.

Hardy & Fillis have opened a new flower store at 14th and I. sts., N. W.

Z. W. B. Blackistone has a new open delivery wagon.

S. Holland, who recently opened a new flower store at 14th st. and Park rd., reports good success. He had the decorations in connection with the Fall opening of the Arcade.

S. S. Pennock-Meehan Co. is carrying a large stock of 'Mums. W. E. McKissick has taken charge.

Appleton & Bonnaffon 'Mums are coming in unusually early this Fall.

O. W. D'Alcorn is lifting his Gladioli bulbs by the thousand.

Chairman W. F. Gude of the flower show committee called a special meeting for the evening of Oct. 25; a full committee and a number of Club members were present. It was decided to open the show on Sunday evening, Oct. 31, with a sacred concert, and to close the following Sunday night. Considerable space was disposed of and entries closed.

Dr. Warrenton Evans of Hamilton, Va., who for some time has grown flowers for pleasure, in addition to his two houses already in use is constructing two cement and iron houses for the purpose of specializing with Carnations. One of these new houses is 135x28 ft., even space, the other 54x150 ft., on a hill side. The range is heated by hot water, and other houses will be erected next year.

JAS. L. CARBERY.

Buffalo

If Charles Sandiford will exhibit at the flower show two bunches of hothouse Grapes that he has in his houses now, the management will have to detail special policemen to guard them. He has some bunches that are 18 in. long, and every berry perfect.

W. J. Palmer & Son have a three-wheeled auto that they use for special delivery. It is almost as much of an attraction as some of the automobiles were when they made their first appearance. It covers about 30 to 40 miles a day, and has given good satisfaction.

Wm. F. Kasting's chauffeur took his auto out for a joy ride recently, and the trip ended about as usual, the auto colliding with another and then going on without giving aid to the injured. Two ladies were thrown from the auto struck, but were not very badly hurt. The police are looking for the driver now.

The press committee on the flower show is flooding the daily papers with news concerning the show, which is to be held in Convention Hall Nov. 2-5.

W. H. G.

The Forthcoming Rochester Show

Prospects look bright for a very fine show this year. We are going to use the entire ground floor of Convention Hall. Public opinion is aroused and inquiries are being made daily in regard to our show. The attendance this year will, no doubt, go far ahead of last. We have struck the right idea in a flower show; it is the people whom you want to see your flowers and, so far as Rochester is concerned, no prize competitors will ever enter into our shows. We hope many visitors from surrounding towns will come up and see what we can do; it will be worth their while. H. B. STRINGER.

A Florist Not a Merchant

According to the Delaware, O., Gazette, Attorney General Denman has decided, for the benefit of the new State tax commission, that a florist is not a merchant, but rather is in a class with manufacturers or other producers. The taxing authorities at Washington C. H. had Mrs. L. Buck, who runs a greenhouse, down on the tax duplicate as a merchant and her flowers and plants as merchandise. She is not a merchant because she does not buy anything; everything she had she had produced, says the opinion.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.

Terms cash.

B. F. BARR & CO.

Keystone Nurseries. LANCASTER, PA.

Please mention the Exchange when writing.

Look!Look!Look!

6000 Field-grown VINCAS, fine, 1et size, $4.00 per 100; 2nd size, $3.00 per 100. Cash with order please. Also, 500 Whitmani and Elegantissima FERNS, at 15c., 20c., 30c., 40c., and 50c. each.

Will exchange for good Winsor, Bencon, White Enchantress or Rose Pink Enchantress Carnations.

W. T. HILLBORN

Newtown, Bucks Co., Pa.

Please mention the Exchange when writing.

CARNATIONS

	Each
600 Victory, 3 to 5 branches	2 cents
200 Enchantress, 3 to 5 branches	2 cents

Clean, healthy stock. Cash with order.

H. D. ROHRER, Lancaster, Pa.

Please mention the Exchange when writing.

Chrysanthemum Stock Plants

Yellow Miller, $1.00 per doz.; Edmond Alba, $1.00 per doz.; President Taft, 75c. per doz.; Amorita, $5.00 per 100; Halliday, $5.00 per 100; Pacific Supreme, $5.00 per 100.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

1 year old, strong, $5.00 per 100, 3 years old strong, $20.00 per 100.

2000 Model Top and Bottom Supports, used only two years, at $8.00 per 1000.

G. A. LOTZE, Glen Burnie, Md.

Please mention the Exchange when writing.

Berlin, N. Y.

John E. Sambrook at Berlin has three of his houses filled with Roses, of the varieties Killarney, My Maryland, Richmond, Kaiserin, Bride and Bridesmaid, two with Chrysanthemums, one with Smilax, Asparagus plumosus and Sprengeri, and one with Carnations. He reports that he is kept very busy filling orders for cut flowers; in fact, more so this year than is previous years. He also claims that if the demand for Roses keeps up he will be forced to add a few more houses next year. L. H. S.

FREEPORT, ILL.—The improvements which have been under way all Summer at the greenhouses of John Bauscher, Jr., are nearly completed, including a steam heating plant of the latest design. Two immense boilers have been placed, built by the Kewanee Boiler Co., each of 150 h. p. Additional greenhouses have been erected, the total number now being sixteen, and they range from 160 to 300 ft. in length and from 27 to 30 ft. in width. He is tearing out many of the old wooden frames, substituting iron and concrete, which makes the houses practically indestructible. More than 100,000 sq. ft. of glass has been used.

20,000 PRIMROSES

Obconica, Giants; Chinese, Large-flowering, Fringed, and Kewensis, the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant. 3-in. $4.00 per 100.

CINERARIAS, Large-flowering, 3-in. $3.50 per 100; 2-in., $2.00 per 100.

ASPARAGUS Plumosus, 3-in., $4.00 per 100.

DRACAENA Indivisa, field-grown, strong, for 4-in. pots, $4.00 per 100.

These are well grown plants and will please you. Cash please.

J. W. MILLER, Shiremanstown, Pa.

Please mention the Exchange when writing.

Chinese and Obconica Primroses

Fine plants, 2¼ in., $2.00 per 100; 3-in., $3.00 per 100; 4-in., $6.00 per 100. **PRIMULA Obconica,** 5-in., $12.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, well budded plants from 3-in. pots $7.00, from 4-in. pots $15.00, from 5-in. pots $25.00 per 100.

PRIMULA obconnica grandiflora and **gigantea, Ronsdorfer** and **Lattman's Hybrids,** all colors, well grown stock, from 4-in. pots $10.00 per 100, from 5-in. pots $2.50 per doz., $20.00 per 100, in bud and bloom.

CINERARIAS Hybrida Maxima Grandiflora, no better strain, from 3-in. pots, $4.00 per 100. Satisfaction guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Orders booked for Fall Delivery.

We are also large growers of other Small Seeds. **Send for Trade List.**

THEODOSIA B. SHEPHERD CO.
Ventura, California

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Coming Exhibitions

Albany, N. Y., Nov. 10-13, 1910.—Second Annual Flower Show of the Albany Florists' Club, under the auspices of Headquarters, Tenth Infantry, N. G., N. Y., at the State Armory. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Buffalo, N. Y., Nov. 2 to 5, 1910.—Show to be held in Convention Hall by Buffalo Florists' Club. Wm. F. Kasting, Chairman of Committee.

Chicago, Ill., Nov. 7-12.—Annual Fall Exhibition of the Horticultural Society of Chicago to be held in the Coliseum, Wabash ave., nr. 15th st. Secretary, J. H. Burdett, 1620 West 104th Place, Chicago, Ill.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Glen Cove, L. I., Oct. 28-29.—Chrysanthemum Show of the Nassau County Horticultural Society to be held at Pembroke Hall. Secretary, John T. Ingram, Oyster Bay, (L. I.) N. Y.

Hartford, Conn., Nov. 3-4, 1910.—Chrysanthemum Exhibition of the Connecticut Horticultural Society at Putnam Phalanx Hall. Geo. W. Smith, secretary, Melrose, Conn.

Irvington, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. Will be held in the Irvington Town Hall. E. W. Neubrand, secretary.

Indianapolis, Ind., Nov. 8-12, 1910.—Fall Flower Show of the State Florists' Association of Indiana to be held in Tomlinson Hall. A. F. J. Baur, 38th and Senate ave., Indianapolis, Ind., secretary.

Milwaukee, Wis., Nov. 7-14.—Flower Show Milwaukee Florists' Club in the Auditorium.

Minneapolis, Minn., Nov. 9 to 13, 1910.—First Flower Show to be given by the Minnesota State Florists' Association at the Armory, Kenwood Parkway. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis, Minn.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New Haven, Conn., November 1-3, 1910.—Tenth Annual Exhibition of the New Haven County Horticultural Society in Music Hall, 115 Court st. Frederick H. Wirtz, secretary, 86 Nicall st., New Haven, Conn.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Philadelphia, Pa., Nov. 8-11, 1910.—Annual Exhibition of the Pennsylvania Hort. Society at Horticultural Hall. David Rust, secretary.

Rochester, N. Y., November 1 to 5, 1910.—Second Annual Flower Show under the auspices of the Rochester Florists' Association at Convention Hall. Secretary, H. B. Stringer, 24 Stone st., Rochester.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y.—See Irvington, N. Y.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.

West Troy, N. Y.

Isaac Gillett has his greenhouses entirely filled with Enchantress, Lawson, Perfection, Pink Delight, White Enchantress and Carnegie Carnations. They are all in good, healthy state and he is ready for the trade at any time. L. H. S.

COMMERCIAL VIOLET CULTURE Price $1.50
A.T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N.Y.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 2-in., $6.00 per 100; **Killarney,** 6-in., 36c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; **Pot plants,** 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Riccard, Buchner, Poitevine, R. C.,** $1.50 per 100; **pot plants,** 2-in., $2.50; 3-in., $6.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 6-in., 35c. each.

FERNS, Boston, 6-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.

REX BEGONIAS, 3-in., $4.00.

COLEUS, 2-in., $1.00.

SCOTTII FERNS, 3-in., $6.00.

GERMAN IVY, 2-in., $1.50.

DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.

VINCA, 3-in., 10c.; 3-in., 4c.; 4-in., 8c.; 6-in., 10c.

HELIOTROPE, 2-in., $1.60.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Chrysanthemums

Clearance Sale of Stock Plants

We have several thousand of the following varieties, to be sold as soon as the blooms are marketed, to make room for Sweet Peas.

Glory of Pacific	Balfour
Polly Rose	Dr. Enguehard
Monrovia	Jeanne Nonin
Alice Byron	Robt. Holliday
Colonel Appleton	Mrs. Geo. DeKalb
Major Bonnaffon	

Write for special prices for A No. 1 stock.

J. D. COCKCROFT, NORTHPORT (L. I.) NEW YORK

Please mention the Exchange when writing.

Smith's Chrysanthemum Manual

40c. prepaid

ELMER D. SMITH & CO., Adrian, Mich.

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ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

LAGER & HURRELL
SUMMIT, N. J.

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ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadwsy, Room 721, New York City

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $26.00
DRACAENA Indivisa, field grown, 4 to 8 in. size	$8.00, $20.00 and 25.00
VINCA Variegata, 8 to 12 vines	5.00
SHASTA DAISIES, fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	2.00
BEGONIA Argenteo-Guttata, 4 in.	6.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00
ABUTILON Savitzii, R. C., by mail	1.50

Cash with order, please.

GEO. J. HUGHES,
BERLIN, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORIGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $3.00 per 100.

PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.

BEGONIAS, flowering, 12 varieties, mixed, fine plants, $5.00 per 100.

BEGONIA Vernon, mixed, $3.50 per 100.

SMILAX, 2½-in., extra large, $2.50 per 100.

SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $6.00 per 100.

CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.

FERNS, large, bushy plants for 5-6-7 in. pots, **Boston, Scottii** and **Whitmani, Elegantissima,** etc., 15c., 20c., 25c. each.

HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.

FUCHSIAS, 2½-in., 6 varieties, including **Little Beauty** and **Storm King,** $2.50 per 100.

GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and **Sprengeri,** 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 16c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

HOME AGAIN

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, is as jolly and lively as ever, looking after the welfare of his countless customers.

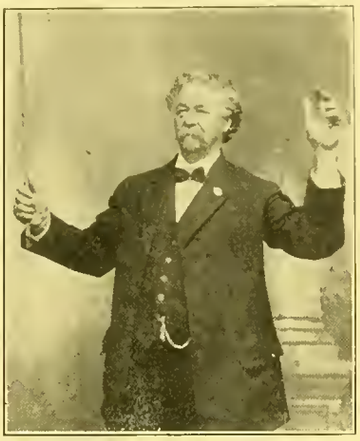
Leader in our specialty, the **Araucaria Excelsa Robusta Compacta** and **Glauca.** 8000 of all sizes, last Spring's importation, are now ready for shipment, and more coming along. **See Us Grow!** Remember, this is our twenty-fifth anniversary importing and shipping Araucarias. Ready for business; can handle the largest order at short notice.

Leader in Ferns

Scottii. Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer. 5, 5½, 6, 7 in. pots at 35c., 40c., 50c., 75c. to $1.00 each. 1 doz. or over, same rates.

Leader in Azalea Indica



Leader in

Begonia Gloire de Lorraine

Kentia Forsteriana and Belmoreana,

Rubbers, etc.

We Lead You into Wealth

GODFREY ASCHMANN'S SONG "WELCOME HOME"

Tune: When Johnnie Comes Marching Home Again.
(Composed by his Many Friends)

When Aschmann comes sailing home again,
Hurrah! Hurrah!
A warm-hearted welcome he'll obtain,
Hurrah! Hurrah!
The florists will gather from far and near
To greet his return with hearty good cheer,
For we'll all be glad when Aschmann comes sailing home.

He has sent us pictures of other lands,
Hurrah! Hurrah!
He never neglects the jolly home band,
Hurrah! Hurrah!
We will go to see the plants he has bought
To serve us well the best he has sought,
Won't we be pleased when Aschmann comes sailing home?

A glorious sight we shall see this Fall,
Hurrah! Hurrah!
The best of Europe for each and all,
Hurrah! Hurrah!
For size and health, for color and price,
We shall hold our breath, they'll look so nice,
We'll hustle and buy when Aschmann comes sailing home.

We hope his journey will pay him well,
Hurrah! Hurrah!
He has bought for us that we may sell,
Hurrah! Hurrah!
So we'll sing a song with a rich refrain,
A cheer from all when Aschmann comes sailing home.

I have it in for you.
What have you in for me? What did I do to you?
O, are you the only one that don't know? Didn't you read all about Godfrey Aschmann's trip to Europe? I have in for you a large **AZALEA INDICA** (fresh baked) from the other side. I tell you they are Cracker Jacks. That is what you are looking for, isn't it? I have been going to Belgium purposely to make up a good selection of Azaleas for you and other customers you will be proud of.

AZALEA INDICA

Owing to the wet and cold weather in Europe this Summer and the large demand this Fall for Azalea Indica for Europe and for exportation, Azaleas this Fall are very scarce, and therefore, prices have been greatly advanced. But in spite of that, I want all to know that I have just arrived with a large importation of Azaleas in all sizes and of all prices, the best well-known American varieties. My grower over there, with whom I have dealt for the last fifteen years, has put his 200-acre Azalea field at my disposal, from which I made my selection—the cream of his output.

When a cigarmaker smokes a cigar, what does he smoke—the worst? O, no; with the fine fumes of his production he will smoke the best. By the fruit you can judge a tree, so by the fumes of a cigar, you can judge **the maker.**

Now is the time to force **AZALEA INDICA** for Christmas. What varieties you select to force for that purpose you can depend on to get in for Christmas.

Take my advice; take the well-known, early Christmas varieties: **DEUTSCHE PERLE** (double white); we have them at 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER,** well known to all, double pink, very scarce this year, 60c., 75c., $1.00, $1.25, $1.50, $1.75 to $2.00. **VERVAENEANA,** one of the oldest standard varieties, one of the best double variegated rose varieties, 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **APOLLO,** single bright red, 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **MME. PETRICH,** double pink, one of the earliest of all; this variety is one of the scarcest this Fall in Europe (could get only 500 plants), 75c., $1.00, $1.25, $1.50 to $2.00 each.

EASTER VARIETIES

NIOBE (double white), 65c. and 75c. **SHREVERIANA,** double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00. **MME. VAN DER CRUYSSEN,** best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA,** and **EMPRESS OF INDIA,** double variegated, well known varieties, 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER,** 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS,** only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA,** white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN,** $1.00, $1.25 to $1.50.
(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 13c. to 15c.

ARAUCARIA Excelsa Glauca, 6-7-in. pots, fine shape, $1.00, $1.25, $1.50 to $2.00.
ARAUCARIA Robusta Compacta, 6-7-in. pots (they are crackerjacks this Fall), $1.00, $1.25, $1.50 to $2.00 each.
ARAUCARIA Excelsa, top cuttings, no seedlings, 5, 6, 7 in. pots, 3, 4, 5, 6 tiers, 12, 15, 18, 20, 25, 30 in. high, 40c., 50c., 60c., 75c., $1.00, $1.25, $1.50.
KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 35c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.
KENTIA BELMOREANA, six good leaves, 4, 6, 7 in. pots, 20, 25, 30, 35, 40 in. high, 25c., 50c., 75c., $1.00, $1.25, $2.00, $2.50 ea.
COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.
SAGO PALMS, Cycas Revoluta, 6, 7, 8 in. pots, 9 to 13 leaves, 10c. per leaf.
BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.
ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.; 4-in., 10c.
ASPARAGUS Sprengeri, 2½-in., 3c.
NEPHROLEPIS Whitmani, Schalzeli, Scottii and **Boston,** extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.
NEPHROLEPIS Todeaoides, 2½-in.. 5c.; 3-in., 8c.
FERNS for Dishes, a good assortment, 2½-in. $4.00 per 100; 3-in., $5.00 per 100.
ADIANTUM Hybridum, 2½-in., 5c.; 3-in., 8c.; 4-in., 10c.
CINERARIA Hybridum, 2-in. pots, $3.00 per 100.
CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.
PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 16c.
FICUS Elastica, 5½ to 6 in. pots, 35c., 40c., 50c.
PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.
HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Christmas.
JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.; 3-in. $5.00 per 100.
DRACAENA Brunnti, 22 to 25 in., 40c. to 50c.
LATANIA Borbonica, 30 to 35 in., 50c.

Cash with order, please.
All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants
1012 West Ontario St., PHILADELPHIA, PA.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery: $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO.,
A. T. PYFER, Manager
35-37 RANDOLPH STREET
Room 302
CHICAGO, ILL.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Carnations

Get your orders placed early for theee top notch varieties. Cuttings will be ready any time after December 15. **Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo,** $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

Field Grown CARNATIONS

HEALTHY, THRIFTY STOCK

Harlowarden	Per 100	$6.00
Carnegie (Scarlet)	Per 100	6.00
White Enchantress	Per 100	7.00
Rose P. Enchantress	Per 100	6.50
Light P. Enchantress	Per 100	6.00

250 at 1000 rate. Cash with order.

A. A. GANNETT, Geneva. N. Y

Please mention the Exchange when writing.

LITTLE FALLS, N. Y.—J. O. Graham visited Ithaca last week. His son, Simon C., has entered Cornell for a special course in greenhouse work. Mr. Graham says the new greenhouses there are uptodate, and the stock looking good. The young student is well pleased with his work and the opportunity before him of acquiring knowledge.

Utica, N. Y.

Geo. H. Benedict of Salisbury, Md., formerly of Yorkville, N. Y., is at Yorkville dismantling his old greenhouses and selling the same. George is looking fine and says he likes Maryland very much, better than this cold climate.

W. A. Rowlands, Whitesboro, N. Y., is in the woods looking for a deer, and it is the hope of your scribe that he will be successful, as we are all waiting for a taste of venison. At his plant he is cutting some very good Sweet Peas and has two houses of 'Mums coming along nicely. Carnations are doing fine in six houses.

Brant Bros. have two large houses of 'Mums, of as fine plants as I have seen this year, and in a few days now will be having a big cut. Some of the varieties grown are old but good, perhaps better than any new ones yet shown: Pres. Taft, Eaton both yellow and white, Dr. Enguehard, Halliday, Robinson, Chadwick Queen, Lincoln, Ivory, Supreme, Polly Rose and several others. Six large houses of Carnations are in fine condition, but he has not flowers for the demand. I saw here both indoor and outdoor grown stock; some varieties showed a decided improvement where inside planted, but as a rule outside planted stock was the best.

Harry Brant showed us some fine houses of Killarney Roses, both pink and white in excellent condition, and My Maryland looks well here. They still grow Bride and Bridesmaid. They have in all about 15 houses of Roses. Some that were replanted are looking as good as any I saw. The firm have built up a large trade in the very few years they have been here, and it now extends to all parts of the State. They have in all about 100,000 ft. of glass and everything is as neat as any one could wish. They have a fine office, with every convenience, and a good lot of help. Harry Brant takes a great interest in the Utica Florists' Club and is very enthusiastic.

C. F. Seitzer has fine houses of Smilax, 'Mums and Carnations.

Frank McGowan is having a big sale of bulbs of all kinds, especially of Tulips, and he is planting more than usual to force. He has a fine house of Azaleas.

Plans for the Club flower show promise a good display. We have had the promise by one of the members that he will, beside making a good display of flowers, bring a good orchestra of five pieces to keep the boys in good spirits. QUIZ.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Now is the time, throw out your early Chrysanthemums, and fill your houses with

"Christmas Cheer"

The Scarlet Pot-Carnation

$15.00 per 100, $125.00 per 1000

February Delivery (January all booked)

"Princess Charming"

The Enchantress-colored Carnation, with the lasting quality.

Send for colored plates and literature.

H. EICHHOLZ
WAYNESBORO, PA.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS
In Season

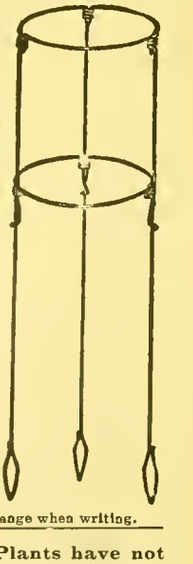
WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

THE

MODEL

Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
93-71 Metropolitan Ave.,
BROOKLYN, N. Y.

Please mention the Exchange when writing.

Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in these columns.

Godfrey Aschmann in Europe



Arriving in Antwerp, Belgium, on Aug. 22, a beautiful morning, I went direct to Brussels, the capital of Belgium, and to the International Exposition. In spite of the fact that, one week before, a large portion of the Exposition buildings had been burned down, the four days I stayed in the city did not give me sufficient time to see all the remaining buildings. The beautiful displays of plants, shrubs, Roses, decorative trees, and all kinds of fruits and evergreens exhibited by the principal florists from all parts of Europe, were certainly fine and very interesting to the plant loving visitors. A very noticeable spot was a large sunken garden planted with the finest flowering plants, in carpet bedding style. This garden was illuminated at night with many thousands of powerful electric lights, placed in rows of about 3 to 4 ft. apart, making the garden a mass of lights and producing a brilliant effect never to be forgotten by the visitor. From the extreme ends of both sides of the large avenues leading to the Exposition buildings was planted a border of four rows of all kinds of the best sorts of Geraniums, many thousands of them in full bloom, which showed up very effectively. Farther up was a large area of ground in the shape of a terrace, placed at the disposition of the exhibiting florists, who made good use of it for their fine stocks of all kinds of plants. Looking down from the top of this terrace and seeing all the beautiful displays of plants gave the onlooker an idea of the skillful taste of the European florist. There was not a building, amusement place, or restaurant—of which there were an endless number—which was not decorated with flowering or decorative plants. I sent a lot of souvenir cards from here to my customers, which undoubtedly gave them an idea of the Brussels Exposition.

Bed after bed of the new Begonia Vernon, "Berno," a seedling originating with a well-known florist of Berne, Switzerland, was most conspicuous. This new Begonia has no parallel with our American variety, the old Begonia Vernon. It is a very brilliant dark-flowering variety, of medium height, with dark leaves, and is always full of flowers; and when nothing else will bloom this Begonia will; the foliage is a little smaller than that of the old variety. Every florist of Europe is discarding the old variety, Begonia Vernon, and is planting this new one.

From Brussels I went to Ghent, the world's growing district for Azalea Indica, Palms, Bay trees, Araucarias excelsa glauca, robusta, etc. Florists and growers there report an immense sale of Azalea Indica, and that they cannot even supply one half of the orders received, consequently the price of plants has been much advanced. Varieties Mme. Van der Cruyssen and Mme. Petrick are particularly scarce, most of the growers being obliged to cut down their orders one half this Fall for this variety. All sorts of Azaleas in small sizes are scarce, owing to the cold wet weather this Summer; large sizes are more plentiful. I was fortunate in being able to obtain all I wanted from my grower, who is mayor of that place, and who has eight large establishments, his eight grown-up sons being in business with him. The establishment of this house covers about 300 acres, in greenhouses and planting grounds, and the products are Azaleas, Araucarias, Palms, etc. My plants have been raised under contract at this establishment for the last fifteen years, and the cream of the output is shipped to me, and my customers are assured of a proper fulfillment of orders this Fall and next Spring.

Completing my purchases in Ghent, I went to that famous bath resort, Ostend, from which place I sent a lot of souvenir postcards to my customers. From Ostend I went to London, England, and visited the principal florist establishments there; 250 postal cards were sent to my customers in America from there. I then proceeded to Rotterdam, Holland, and visited the principal bulb growing districts, including Sassenheim, Hillegom, Boskoop, etc. From Holland I went to Coln, Hanover, Potsdam, and Berlin, the capital of Germany. In all my tour of Europe I found Berlin one of the most plant-loving cities. On Sept. 2, I saw, in full bloom, beds of yellow Chrysanthemums of the Bourbon variety, planted by the city of Berlin on both sides of the avenue Unter den Linden, from Frederickstrasse all the way out to Neue Wilhelmstrasse, an area of about twenty squares, giving this well known avenue a beautiful appearance in the Fall.

I had the honor of renewing the acquaintance of a gentleman by the name of Walter Domnick, 42 Münchnerstrasse, Berlin, government architect of the Prussian State Railway, who visited me at one time in Philadelphia. This kind friend came to my hotel on Sept. 4 and spared neither time nor money in taking me out and showing me all of the well-known beauty spots of Berlin. About one and a half hours were devoted to visiting the castle of the Kaiser; a flag at half mast signified that the Kaiser was at home. A guide opened the principal rooms of the castle to us, and no pen could describe the sight that met our eyes. A visit to the beautiful park containing the mausoleum of the Kaisers and their families was most interesting; all the emperors and their families, for hundreds of years back, are resting here.

The next day, Sept. 3, I went to Potsdam, the well-known Summer residence of the Kaiser. I would advise every American, especially among the florists and flower and plant-loving people, to visit this famous place. The beauty of the extensive park, especially as regards plants, flowers and decorations, is not equalled. This is a spot where the florist and nurseryman can learn many things. Bed after bed, and group after group of the rarest plants were seen, arranged between immense fountains and statues of all kinds, and between large decorative trees, evergreens, walks, etc. Fruit trees loaded with fruit, trained on wire and frames of all shapes, and graperies too, were placed in such a skillful way that the whole presented the effect of a paradise on earth.

On the evening of Sept. 4, a party of twenty-five persons and myself had the honor of seeing the Kaiser and his family, at the castle in Potsdam. He passed us by as he went into his waiting automobile, about 10 ft.



Flower Clock at the Kursaal, Interlaken

away from us. He was very polite, lifted his hat and saluted us.

Some of my customers, no doubt, appreciated the many post cards I sent them from Potsdam and Berlin. From Berlin I journeyed to Paris, visiting all the principal parts of France; thence to Italy and Switzerland, from which places I mailed about 1500 souvenir cards to my customers in America. It was not the expense in buying, stamping and selecting these cards, but the addressing of them which took a great deal of my time, and I hope the recipients will appreciate them; none of my friends were neglected, as far as I know.

The Wonderful Flower Clock at Interlaken

On Sept. 29 I went from Berne, the capital of Switzerland, through Berner Oberland, one of the finest tourist trips of Switzerland, to that famous, world-wide known tourists' place, Interlaken. This place of mountains and lakes is well known to our American people. Hotel after hotel may be seen, of the finest and largest types, surrounded with extensive and beautiful parks, replete with all up-to-date conveniences mostly for our American people. The most important of all the hotels is the Kursaal, which, on account of the large park for its guests, has an immense patronage. Many thousands of the fashionable, well-to-do tourists of the world make this hotel their favorite headquarters for the Summer. The place is run by a large stock company, has many greenhouses, fitted up with the latest improvements, and employs a dozen or more gardeners, superintended by one of the best educated experts in flowers and plants of Europe. In this Kursaal garden the visitor will find, about half way between the entrance and the Kursaal, a masterpiece of art, a regular going clock made of plants such as Echeverias glauca and metallica, small Cactus, yellow and red Alternanthera, Iberia and short border plants. No pen could describe the beauty of this bed. The clock works are hidden inside the bed, two feet inside the surface, and are going all the time. The two large hands, like those of other clocks, placed about 4 in. above the surface of the plants, shows the exact time from 1 to 12 o'clock. The dial numbers are all made of plants. The clock has also a plate showing the seconds, like a watch, and made of plants. Back of the clock is a small house composed of plants; inside this house are two small statues, representing two men, made of bronze. These statues have hammers in their hands which strike the quarter, half and hour. The whole is a masterpiece which cannot be equalled.

The head gardener of the Kursaal, Mr. Fritz Reusser, under whose charge the park is, is the creator of this wonderful masterpiece, the Kursaal Sunken Clock. He told me he has had several offers from millionaires of America and Europe to make similar clocks for them in their native countries; they offered him a large salary, together with free voyage to and from their country, also all other expenses, but he declined to accept, declaring that he could not leave under any circumstances, because he had a contract with the owners of the Kursaal for so many years and he has to stay where he is.

In this place also the visitor will find the new Begonia Vernon, so-called Berno, in fine beds of all shapes, all over the grounds, in blinding brilliancy. Geraniums and Fuchsias, in tubs 15 ft. high, are also there in bloom.

Leaving Interlaken on Oct. 1, I made one of the finest journeys of my whole trip; that is, a boat ride on the Brienzer Lake to Brienz, and thence via the mountain railroad from Meiringen to Brunau, continuing through a beautiful valley to Lucerne, another well-known beauty spot of Switzerland, celebrated for its beautiful mountain scenery which includes the Rigi, Pilatus, Jungfrau and a dozen or more large snow mountains, from which can be had beautiful views of Switzerland, reaching as far as Germany, France and Italy. From Lucerne leads the much talked of Vierwalstradter Lake up to Fluden; half way up the lake is erected, upon rocks, the memorial of William Tell, the Father of Switzerland.

One thing more I wish to say: Everywhere in Europe I noticed pieces of ground reserved by the governments in the middle of the towns, the finest business spots of the cities, for the florists; and everybody visiting the flower markets on Tuesday and Saturdays will leave with the impression that these cities protect that very honorable business—the florist industry. For example: On Friday, Sept. 24, in Zurich, Switzerland, I counted, on Bahnhofstrasse, from the lake to the station, no less than 818 stands, on both sides of the street. Each stand has a number and is licensed. No peddler or other itinerant can occupy these stands, only the florist and market gardener with his productions. I did not count the stands on the side streets, which were practically countless. Bahnhofstrasse is one of the finest avenues of Zurich. The occupants of the stands have their little hand wagons on the pavement, covered with awnings, and exhibit their productions to the public for sale. These traders come from all parts of Canton Zurich twice a week, Tuesdays and Fridays, and it is amusing to the visitor to observe the skill with which they offer their productions to the buyer. The storekeepers, on both sides of the street, do a splendid business on these two mornings. At 11 a.m. the traders must vacate their stands, the avenue is swept, and in half an hour afterwards the street looks as clean as a pin; nobody would ever believe there had been a market a half hour before.

A Correction

In the article on "Roses," by Eber Holmes, appearing on page 737 of the EXCHANGE of Oct. 22, the concluding lines of the third paragraph read "and there is no surer way to effect this than by the improper method just described." The lines should have read "and there is no surer way to *cause it* than by the improper method just described."

Obituary

William Unser

William Unser, a florist of Greenspring, O., died, suddenly, on the evening of Oct. 17.

Ferns

Ferns From Bench

Boston, for 3-in. 6c., 4-in. 10c.
Elegantissima, for 3-in. 6c., 4-in. 10c., 6-in. 12½c. **Runners,** $10.00 per 1000.
Amerpohli, 3-in. 8c., 4-in. 12c.
Scottii, 3-in. 6c.
Giant Snapdragon from field, red, $1.00 per 100.
Rubbers, fine stock, 6-in. 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
Giant Pansies Bugnot, Cassier, Odier, etc., mixed, guaranteed A1 $2.50 per 1000.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100. **Rooted Cuttings,** $1.00 per 100..
FEVERFEW, Gem, 2-in., $2.00 per 100.
SALVIA, Banfire, Zurich and **Splendens,** 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.50 per 100.

Cash with order.

BYER BROTHERS
CHAMBERSBURG, PA.

Please mention the Exchange when writing.



Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in., 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and **Sprengeri,** 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

This Letter from a Customer in Texas

"The Ferns arrived in A1 condition, and I certainly appreciate your kindness and promptness in shipping same, also for extras. You will hear from me again when in need of anything."

This letter referred to a large box of our

Table Ferns

Both our plants and packing will please you equally as well. The stock was never in finer condition. **HOLLY FERNS, ASPIDIUM, PTERIS in variety, including Wilsoni,** etc.

Fine bushy plants, 2-in. pots, $3 per 100. Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and **Boston** for 4-5 and 6-inch pots.
4 inch $10.00 per 100; 6 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 60c.; 4-in., 15c.

ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.

COCOS WEDDELLIANA, 1¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Albany, N. Y.

Plans and specifications were filed on Wednesday, Oct. 19, with the Building Department, for the erection of three greenhouses on the property of Geo. C. Hawley, 994 Madison ave. One will be a Palm house, 75 x 50 and 20 feet high; the other two will be used for plants and cut flowers. The contract for the houses has been placed with Lord & Burnham Co., Irvington, N. Y.

Fred Goldring of Slingerland, F. A. Danker and Wm. Gloeckner of Albany will attend the Lenox flower show on Oct. 26-27. L. H. S.

Troy, N. Y.

The seed store of H. W. Gordinier on Franklin sq. certainly makes a very fine appearance with an attractive display of Dutch bulbs. The retail trade is far ahead of other years; in fact, quite a number of varieties were in such good demand they are entirely sold out. Mr. Gordinier, speaking about the shortage of Peas and various other seeds, claims that he is fully prepared to supply all his customers' wants, even if the price does come high. He is looking for a good Spring trade.

Josiah Young of 375 River st. has quite an assortment of cut flowers, bulbs and florist supplies. He also reports having quite a fine lot of plants. Ferns and cut flowers at his greenhouses on the Schenectady road, which he grows for his store trade. Business is very good, especially in funeral work and wedding bouquets.

At the retail store of Sambrook Bros., 413 Fulton st., is a very fine display of Roses, Easter Lilies, Carnations and some fine Chrysanthemums. The store has an attractive group of Palms and Ferns at the entrance. There is also a fine display of Orchids in both their show windows. They are very busy at present on wedding decorations and had quite a few very handsome funeral designs for the funeral of the late David B. Hill. Mr. Sambrook claims that their five greenhouses at Watervliet look very promising, especially as regards the bulb stock for the Christmas trade.

James G. Barrett, one of the busy florists of Troy, is in the ranks with his brother florists putting up designs and decorations. He can also show a number of greenhouses well filled with all kinds of bulbs, Palms, Ferns, plants and cut flowers. He has a fine lot of Easter Lilies coming on and is cutting them as fast as they are ready.

Mulholland Bros., 5 Third st., do a nice business in cut flowers and metal wreaths. They report business very good and have as fine a show as any in their section.

Lawrence Wustefeld of 10 Fales Court, is prepared to supply his trade in good shape this year, as his four greenhouses are stocked with a choice lot of Carnations, Roses and other cut flowers. He also has a fine lot of hardy plants, such as Pansies, Daisies, Forget-me-nots and hardy Roses planted out for next Spring. He has had a good season so far.

L. H. S.

Watervliet, N. Y.

Fred Henkes of Watervliet has a very fine lot of Chrysanthemums and Carnations in bloom. He reports that the demand is so great for flowers that it has been necessary to put an extension on his large greenhouse, so that he will be able to supply his trade. Mr. Henkes is getting ready to go on a deer hunt in the Adirondacks, and the Club has a promise of a venison supper if he has luck. L. H. S.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 15th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West HoboKen, N. J.

Please mention the Exchange when writing.

5000 FERNS Boston, Scottii, Whitmani and Piersoni, 2½-in., $4.00 per 100; from 4-in., $15.00 per 100. 100,000 **California Privet,** 3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $3.00 per 100; 2 to 2½ ft., $2.50 per 100; 18 to 24 in., $2.00 per 100; all 2-year-old, well branched; 500 and up, 20 per cent. off 100 rates. 100,000 2-year-old **Asparagus Roots,** $3.75 per 1000. 10,000 mixed **Peony Roots** for florists, $6.00 per 100. 100,000 **Canna Roots,** $12.00 per 1000 and up. **Cash.** 6000 **Field-grown Vinca Major,** variegated, strong, $4.50 per 100.

BENJ. CONNELL, Florist, Merchantville, N. J.

Please mention the Exchange when writing.

Boston Ferns
Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns
Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

Please mention the Exchange when writing.

FERNS

1000 Whitmani, 7 inch, 70c.; 6 inch 30c. to 50c.

500 Boston, 7 inch, 60c.; 6 inch, 20c. to 40c.

From bench or pot. Special price for whole lot or for large orders. Stock has made a remarkable growth this Summer. Fine specimens. Send for sample order. Cash or reference.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

BOSTON and WHITMANI
FERNS
2½-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 6 and 6 inch pots, $25.00 per 100.
BOSTON FERNS, fine large plants out of 6 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street Port Chester, N. Y.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.
WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.
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REVIEW OF THE MARKET

NEW YORK, Oct. 26.—For nearly two weeks the cut flower market has been in a sluggish condition, and the situation today is not at all improved. The explanation is found in the lack of any active demand for flowers, or, in other words, the present demand for flowers is not large enough to consume the arrivals of blooms, even when it is stimulated by the very low prices which now prevail, as regards all kinds of stock.

American Beauty Roses are only moderately abundant, but the demand is even more moderate, and consequently specials are selling at from 10c. to 15c. each. It is true that a few of the very choicest selection in occasional sales realize 20c. to 25c. each, but those are by no means the prevailing prices; and it is equally true that many specials barely bring 10c. each. The top notch price for all other Roses today, with very few exceptions, is 5c. each for the choicest blooms, and indeed careful inquiry elicits the painful fact that 3c. to 4c. buys top grade blooms of all Roses except American Beauty in most transactions. This is particularly true of Richmond, Bride and Bridesmaid. My Maryland, Killarney, and Kaiserin sell perhaps just a shade better. The Roses are coming in freely; the quality is fairly good; but the demand is very disheartening.

The Carnation situation is a repetition of the Rose situation. The quality for this season of the year probably was never before as good, on the whole. The blooms have size, excellent color and length of stem. The supply is so much in excess of the demand that the prices have been driven downward till the highest grade blooms today scarcely realize 2c. each. A few very choice blooms in very limited sales bring 3c., but many good blooms are selling for 1c. each.

The Orchid supply is still abundant, and the sales light, consequently there is no advance in price, but rather a tendency toward a lower price. While a few choice Cattleyas realize 40c. each, many good flowers change hands at 35c. each, or even at a lower figure. The supply of Gardenias is more than sufficient, and while the choicest flowers in some sales bring $3 per dozen, few indeed realize that price; the range of price is from 50c. to $3 per dozen.

There is only a moderate cut of Lilies now arriving, but even these few are not needed and are moved with great difficulty at no greater price than $5 per 100. Ivory and other white 'Mums have, for the time being, crowded the Lilies out of the market. Lily of the Valley is not over abundant, and the demand, though not heavy, is sufficient to cause a maintenance of prices ranging from $1 to $4 per 100, with very few sales above the $3 mark.

The market is fairly flooded with 'Mums of many varieties, sizes, and of varying qualities; the Chrysanthemum is now certainly the queen of the market. Large numbers are being sold, but hardly enough to prevent accumulations. The prices vary from 50c. to $3 per dozen, with very few sales at over $1.50 per dozen, and many at less. Mention should also be made of a few show blooms arriving, which bring $4 to $6 per dozen. It should be distinctly understood that the number of these exhibition 'Mums arriving is reckoned by dozens, not by hundreds.

Violets are abundant and sell very slowly at 15c. to 35c. per 100, with very few sales at the latter price.

There is little change in greens, except a tendency toward even lower prices for Smilax. There is no hope for a large demand for greens until the season for Autumn foliage is over.

PHILADELPHIA, Oct. 24.—The market was in so sluggish a condition during the closing days of last week that in order to effect anything at all like a clean-up quantities of stock went to the street members of the florist fraternity at their own prices, which, of course, made averages very low on all blooms subjected to this manner of disposal. Today, business is a bit better, but nothing to boast of. In fact, the shipping trade is the saving feature in the market.

American Beauty Roses are just moderately plentiful today and sold out fairly well, excepting the short grades which moved more slowly. A very few selected specials brought 30c. each, but the rest realized from 20c. to 25c. each, while the lowest grade of blooms sold at about 4c. each. Killarney Roses are very abundant, as are also Kaiserins, but the supply of My Maryland, Richmond, Perle, Golden Gate, and Mrs. Jardine is only moderate, and that of Bride, especially of good quality, still less, and Bridesmaid is not much in evidence.

However, there is enough of every one of these to more than satisfy the small demand. In small sales the choicest blooms of Killarney, My Maryland, Richmond and Kaiserin realize 8c. each; this, however, is not the ruling price. Outside of American Beauty, very few Roses of the highest grades realize more than 5c. each, and the lowest grades of each are selling at 2c., and at half of that or less in the clean-up. Top grade blooms of Mrs. Jardine, Bride, Perle, and Golden Gate realize no more than 6c. each.

Carnations are very plentiful, and the demand light, and while a few of the choicest blooms sell for $3 per 100 very few, in fact, reach the $2 mark.

In Orchids, top grade Cattleyas and Dendrobiums sell for 50c. each and Cypripediums 15c. each. The supply of Cattleyas is plentiful and the local demand very moderate; accumulations are prevented only by shipments to outside points.

Lilies are very abundant and are selling slowly in competition with white 'Mums; prices range from 6c. to 10c.; very few blooms realize more than 8c. each. The supply of Lily of the Valley and the demand are well balanced, neither being great, and the prices range from $2 to $4 per 100, with few sales at a price above $3.

There is an abundant supply of 'Mums in every grade from Pompons at 20c. per bunch to fancy blooms at $3 per dozen. They are selling moderately well, and are now the dominant flower in the market. A few Dahlias only are seen, and they are no longer in demand; $2 per 100 is top price for the best. The moderate supply of Violets sell slowly at 25c. to 35c. for single, and 50c. to 75c. for doubles, per 100.

In greens, Asparagus plumosus sells best, at 35c. to 50c. per bunch, and A. Sprengeri more slowly at the same price. Adiantum has improved in quality but the demand is light; $1 per 100 is the price. Smilax is not so abundant.

CHICAGO, Oct. 25.—At last the market is relieved from the effects of the hot weather, and a heavy frost has practically put an end to outdoor stock.

Chrysanthemums, due to the warm weather, have been at the glut point, and many flowers found their way to the garbage barrel. This week shows better conditions, shipments being very much lighter and prices again being quotable. The demand for medium sized flowers is greatest, and such bring from $1.50 to $1.75 per doz., with the very choicest blooms commanding $2.50 and $3.

Roses in all lines are plentiful. More American Beauty in short and medium lengths could be disposed of if available. All Roses are in excellent condition, and are in active demand.

Carnations have improved in quality in the past few days and are holding well at from $2 to $3 per 100. The frost has ended the Dahlias, and other outside stock. Violets are again receiving a little attention, and the demand will increase from now on; the quality of arrivals is still far from the best.

Orchids are in greatest demand, more being used in wedding work than ever.

Gardenias are arriving in limited quantities and the demand is increasing. A few Sweet Peas are coming in, but not enough to furnish quotations. Asparagus Sprengeri is still reported scarce, but there is a good supply of all other greens.

BOSTON, Oct. 25.—The market this week eased off considerably and, in fact, it is seldom that conditions are as bad as they are at this date. The warm weather has caused all classes of Chrysanthemums to come in at the same time, and this has brought about a slump all around. Early, midseason and late Chrysanthemums are to be seen on the same tables; this is unusual, but that is how it stands today. We need, very much, a cool spell and plenty of rain.

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Roses are quite plentiful and lower in price. American Beauty are not as good as they should be, many of them coming with imperfect flowers but good stems and foliage. Killarney Roses are very popular and so are white Killarney. They are so far the leaders. Bride and Bridesmaid are in poor demand and seldom asked for. Aaron Ward have much longer stems, are exceedingly popular and bring good prices. Carnations are more plentiful and prices have sagged somewhat.

Lily of the Valley is not sought after as much as it was three weeks ago yet it holds its own fairly well.

The supply of Orchids is better than a week ago. Ball games and funerals have kept the demand good and prices steady. Lilies are not abundant but the supply is almost equal to the demand. The call for Gardenias exceeds the supply.

Violets are plentiful but the quality is poor owing to the hot weather. Double Violets are very poor and are going at $2.50 to $5 per 1000. High grade Cosmos sells well. Asparagus is plentiful and brings fairly good prices.

Chrysanthemums in pots, of the best grades, bring $1 to $2 each. R. C.

INDIANAPOLIS, Oct. 25.—The flower market throughout the past week offered much that was undesirable as the warm weather brought on soft flowers and the poor grades of field grown stock were to be seen everywhere. Funeral work was light and did not serve the customary purpose of ridding the market of the shorter and more undesirable kinds. Counter trade is doing nicely but heavy frosts will be necessary to put the flower loving public in close touch with the florists. At present a bunch of Cosmos, Daisies or Dahlias from the garden suffices for all ordinary occasions. October decorations are numerous enough but there are few large ones to call forth the best efforts of the decorators.

Chrysanthemums are seemingly more numerous than ever before. Only the better grades, having good foliage and select blooms, are taken in the stores; $1 to $4 per dozen is the usual wholesale figure, double that amount is asked for them at retail. Pompons are earlier than usual and better sales are had for them, also the single varieties, than for the big kinds; 50c. to $2 per doz. sprays is asked by the growers.

Carnations are not blooming so freely right now and the entire cut finds an outlet at $1 to $2.50 per 100; 50c. to 75c. a doz. is asked in the flower stores. The white and light pink varieties bring somewhat better figures than the darker grades.

Roses have suffered along with the other flowers in quality as much weak stock is being received. Home grown Bridesmaid, Bride and Killarneys are wholesaling at from $2 to $6 per 100. Extra shipped ones, including Richmond, bring $6 to $7 per 100. American Beauty are most plentiful at $5 to $25 per 100.

Cattleyas are selling well, so far, at 75c. to $1 each, retail, and half that amount at wholesale. Home grown single Violets are moving nicely at 35c. to 50c. per 100. Eastern doubles are received at 50c. to 75c. per 100. Callas and Harrisii Lilies begin to move slowly as soon as the 'Mum season opens; $10 per 100 is the customary growers price. Lily of the Valley are nice for corsage bouquets at $4 per 100. I. B.

ST. LOUIS, Oct. 24.—Trade does not seem to improve any, and last week, according to our commission men, was in a deplorable condition. The market was crowded with good stock of all kinds and prices dropped to a very low figure. The leading retailers say that all of last week was very dull, and they can hardly account for the sudden slow demand in everything. This condition, of course, made it bad for the commission men to dispose of their stock, which piled up daily. Chrysanthemums came in heavily in all the early varieties, with prices ranging from $1 to $2.50 per doz., and were the cause of pushing down the prices on other stock.

American Beauty Roses, in all grades, had a slow demand, and prices ranged from $2 to $2.50 per doz. for long fancy; others according to length of stem. Other Roses were so plentiful that correct quotations can hardly be given.

Carnations, also, were badly overstocked, and can hardly be quoted correctly as to prices. Violets are not as good as they might be, and the warm spell of last week did them no good; they sell for 20c. per 100. Lily of the Valley holds up to $4 per 100 for extra fine stock. Cosmos and Dahlias went begging, and plenty went to the dump pile. A few Asters, Tuberoses and Gladioli are still coming in, with very slow demand. We need a good heavy frost to steady the business.

ST. PATRICK.

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Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	10.00 to 15.00
" extra	8.00 to 10.00
" No. 1	4.00 to 8.00
" No. 2	2.00 to 4.00
" No. 3	.75 to 1.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.50 to 5.00
Mme. Abel Chatenay	.50 to 8.00
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 5.00
" extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to .50
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to ....
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Dahlias	.50 to 1.50
Daisies	.50 to 1.00
Ferns, per 1000	1.50 to 2.00

CARNATIONS—	
Inferior grades, all colors	.... to .50
Standard Varieties White	1.00 to 1.50
Standard Varieties Pinks	1.00 to 1.50
Standard Varieties Red	1.00 to 1.50
Standard Varieties Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties) White	1.50 to 2.00
Fancy (The highest grades of Sta'd varieties) Pinks	1.50 to 2.00
Fancy (The highest grades of Sta'd varieties) Red	1.50 to 2.00
Fancy (The highest grades of Sta'd varieties) Yel. & Var.	1.50 to 2.00
Novelties	to
Gardenias, per doz.	.50 to 3.00
Gladioli	.... to ....
Hydrangea	.... to ....
Lilies, Harrisii and Longi.	4.00 to 5.00
Lily of the Valley	1.00 to 4.00
Mignonette, per doz.	.25 to .50
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 40.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	.75 to 1.50
Stevia, per bunch	.. to .
Sweet Peas, per doz. bun.	.50 to .75
Tritoma	1.00 to 1.50
Tulips	.... to ..
Violets	.15 to .35

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New York

The wholesale cut flower merchants of this city, today, Wednesday, are greatly inconvenienced by a failure of the transportation facilities by which flowers are usually brought to them from the growers. The trouble is caused by a strike on the part of the helpers on the wagons of the U. S. Express Co., which began last Saturday with the helpers and has extended to the drivers, resulting in a tie-up of the company. An attempt to move the wagons by the aid of strike-breakers on Tuesday led to brick throwing and rioting of the strikers on the ferry boat, and the driving away of the strike breakers. Today it is reported that the Wells Fargo Co.'s men have also struck, and that the American and Adams Co's. men will soon follow. Meantime, the wholesale florists are obliged to send wagons over to the New Jersey station to obtain their flowers shipped by the growers, though some supplies are brought in by the Overland Express from Summit, Madison and Chatham. In spite of all measures taken, flowers are arriving from six to eighteen hours late.

The pink Killarney Roses which Walter F. Sheridan of 133 West 28th st. is receiving from George Young of Clifton, N. J., are of exceptionally fine color. The cut of My Maryland and white Killarney, too, which he is receiving from Fred Schweinfurth of Ridgewood, N. J., is of extra fine quality, and the Mrs. C. W. Ward and Dorothy Gordon Carnations shipped in by W. F. Jagger of Ridgewood are remarkably good for October blooms, as regards size, color and length of stem.

Albert Nirk, who acquired the Jack Kol range of greenhouses at East Nutley, N. J., in May last, is growing 'Mums in four of his houses. Among the varieties which he is growing are Halliday, Maj. Bonnaffon, Pacific Supreme, Glory of Pacific, Monrovia, October Frost, and Alice Byron. The cut of blooms from these houses goes to Badgley, Reidel & Meyer, Inc., 34 West 28th st. Mr. Nirk also has one house in Boston Ferns, and two houses in small Ferns, in variety.

Hermann Scommodau, lately with John F. Sharkey, is now with A. L. Young & Co., 54 West 28th st.

The latest comer among the wholesale cut flower merchants is A. Polychon, who has begun business at 52 West 28th st. He comes from New Rochelle, N. Y. where he has been engaged in business with E. Vlachos, under the firm name of the New Rochelle Floral Co.

Alexander McConnell, 571 Fifth ave., has restocked his conservatory for the Fall trade. Among the plants is noted a fine display of Kentia and Phœnix Palms, Pandanus Veitchii, Dracæna terminalis, Ficus pandurata, variegated Pineapples, Boston Ferns, and other plants suitable for house decorations. He is also bringing in from his Woodside nursery at New Rochelle, N. Y., some very nice Boxwoods in different shapes, and a variety of well-grown evergreen trees in tubs. The store force has been quite busy of late with several wedding decorations, among which were the decorations at the marriage of Miss Eleanor Steele, daughter of Charles

Steele, of the banking house of J. Pierpont Morgan & Co., to Count de La Grece, attaché to the Foreign Office at Paris. The color scheme of the decorations was white and the flowers used were white 'Mums, white Roses, and Lily of the Valley.

J. W. Hauser, 571 Madison ave., has returned from a pleasure trip of several weeks' duration to the Pacific Coast, by which he feels greatly benefited. He spent most of his time in the northern Pacific States, and found the country developing very rapidly.

The A. T. Bunyard Floral Co., 48th st. and Madison ave. is very busy filling window boxes and tubs for inside and outside use, and in attending to sales of plants suitable for house decorations.

A stock of ribbons such as are appropriate for using with different flowers is now a very important item with the retail florist. Some pleasing selections in this line which are being used at George M. Stumpp's, 58th st. and Madison ave., were recently seen. Among them were the Chantecler ribbon, very appropriate for use on Celosia plants and 'Mums of some colors, and Persian patterns in six colors, such as American Beauty red, violet, mauve, green, and one or more other colors. A yellow ribbon shot through with American Beauty red was especially pretty. The use of these different ribbons was nicely illustrated on plants and blooms in the store. Decorations for the Davenport-Demorest wedding, which took place at St. Thomas' Church, 53d st. and Fifth ave., kept the entire store force of employees very busy last Friday and Saturday. The decorations in connection with this wedding included two luncheon and two dinner decorations on Friday, and the church and two house decorations on Saturday. The scheme of the church decorations was white and mauve 'Mums, and Palms. The bride carried a prayer book showered with Orange blossoms, and the bridesmaids' bouquets were of Cattleyas and Dendrobium Phalanopsis. The house decorations were of yellow 'Mums, Oak leaves and Palms, of which latter 200 were used in the church and house.

At Max Schling's, 22 West 59th st., the window display changes daily. Recently one of the unique features of the window was a handle vase made up with Oak foliage. Perle des Jardins Roses and 'Mums, the former contrasting sharply with the Oak leaves and the latter almost of their color. Some plants of Cypripedium insigne well covered with bloom were also noted, but more out of the usual line of blooms than anything else was a large Rose bowl, well filled with Scabiosa blooms of different colors; some of them, nearly as black as night, were the type which our grandmothers used to grow under the name of "Mourning Brides." Besides his increasing cut flower business, Mr. Schling is very busy attending to his window box, and house plant orders. Some Canoe Birch window boxes filled with Begonia brillantissima, covered with bright red blooms, looked very pretty and cheerful.

At Charles A. Dards', 341 Madison ave., the work of supplying the Hudson River steamers with plants and flowers is nearly over for this season; but, on the other hand, the filling of house conservatories with plants, the hotel work, too, which figures so largely in the Dards' business, and the filling of outside and inside window boxes and tubs is at its height and keeps every one hustling. The stork has visited again the home of Edward E. Bourque, Mr. Dards' manager; this time it is a girl weighing eight pounds, and the mother and child are both doing well.

Nowhere in New York is the approach of Winter accentuated so strongly and, nevertheless, so artistically and beautifully as at Thorley's House of Flowers, 46th st. and Fifth ave. The building outside, from roof to pavement, on both the Fifth ave. and 46th st. fronts, is tastefully decorated. The chief feature of these decorations is Boxwoods and English Ivy vines, with the addition of many fine Bay trees at the ground level. First, the stock used in this work is of extra quality, and, secondly, the work is executed in excellent taste. The inside of the store, too, is filled with specimen Palms and Ferns, such as are in keeping with the outside adornments.

The automobile has, of course, come to stay, notwithstanding the fact that it is a constant menace to its driver, its passengers, and the public at large. It has generally been supposed that people were safe from autos when remaining indoors, but that delusive idea was rudely dispelled recently when an automobile, after being cranked, and before its chauffeur could get aboard, zigzagged down the street, turned a corner into Lexington ave., came up on to the pavement and crashed through the three plate glass windows and into the store of the Misses Horn & Hess, florists, at 765 Lexington ave. The ladies were in the store at the time, as also was Miss Horn's mother. All escaped, fortunately, without bodily injury, but the mother suffered severely from the shock. The damage altogether was about $500. The plate glass windows, valued at about $300, were insured, but, unfortunately, the stock and store equipments, damaged to the extent of $200, were uninsured against automobile attacks. The lady florists are hoping to obtain some kind of a settlement, and certainly ought to be paid full damages. They only began business at 765 Lexington ave. last February, and with them, as with other florists, there have been the three or four Summer months of the dull business season, and now when business is just starting up a little they have met with this damage. They have pluckily kept their store open, continuing to do busines as well as possible, employing a watchman at night, till windows are replaced and repairs made.

Bill boards at elevated stations announce that J. Condon will hold a Chrysanthemum Show at his Fort Hamilton Parkway Greenhouses from Nov. 21 to 25.

George Saltford, 129 West 28th st., attended the sixteenth annual exhibition of the Dutchess County Horticultural Society at Poughkeepsie, N. Y., on Thursday of this week.

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Wholesale and Commission Florist

25 Washington St., Providence, R.I.

GREENHOUSES, OAKLAWN, R.I.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Oct. 24, 1910	Pittsburgh Oct. 26, 1910	NAMES AND VARIETIES	Boston Oct. 25, 1910	Detroit Oct. 25, 1910	Cincinnati Oct. 24, 1910
... to 25.00	20.00 to 25.00	**Roses—A. Beauty, fancy—special**	15.00 to 25.00	30.00 to 35.00	20.00 to 25.00
12.50 to 20.00	12.00 to 15.00	" extra	10.00 to 15.00	25.00 to 30.00	12.50 to 15.00
8.00 to 10.00	6.00 to 10.00	" No. 1	3.00 to 8.00	20.00 to 25.00	8.00 to 10.00
4.00 to 6.00	3.00 to 5.00	" No. 2	... to ...	6.00 to 15.00	4.00 to 6.00
4.00 to 6.00	3.00 to 8.00	**Killarney**	2.00 to 8.00	4.00 to 8.00	2.00 to 4.00
4.00 to 6.00	3.00 to 8.00	**White Killarney**	2.00 to 8.00	... to ...	3.00 to 5.00
2.00 to 6.00	2.00 to 6.00	**Bride and Bridesmaid**	... to ...	... to ...	2.00 to 4.00
... to ...	... to ...	**Mrs. Jardine**	... to ...	... to ...	... to ...
3.00 to 6.00	3.00 to 8.00	**My Maryland**	2.00 to 8.00	4.00 to 8.00	... to ...
2.00 to 6.00	3.00 to 8.00	**Richmond**	2.00 to 8.00	4.00 to 8.00	2.00 to 6.00
2.00 to 6.00	... to ...	**Perle**	... to ...	... to ...	... to ...
... to ...	... to ...	**Golden Gate**	... to ...	... to ...	... to ...
4.00 to 6.00	2.00 to 8.00	**K. A. Victoria**	2.00 to 6.00	4.00 to 8.00	... to ...
... to 1.00	1.00 to 1.50	**Adiantum**	1.00 to 1.25	1.00 to 1.50	... to ...
... to 30.00	30.00 to 50.00	**Asparagus, Plumosus, bunches**	30.00 to 50.00	20.00 to 40.00	... to 10.00
... to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 50.00	20.00 to 40.00	10.00 to 15.00
... to ...	... to ...	**Bouvardia**	... to ...	... to ...	... to ...
... to 12.50	... to ...	**Callas**	... to ...	... to 15.00	... to ...
1.00 to 1.50	1.00 to 1.50	**Carnations—Inferior grades, all colors**	... to ...	... to ...	... to ...
1.00 to 1.50	... to 2.00	Standard Varieties: White	1.00 to 1.50	1.50 to 2.50	1.50 to 2.00
1.00 to 1.50	... to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.50 to 2.50	1.50 to 2.00
1.00 to 1.50	... to 2.00	Standard Varieties: Red	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
1.00 to 1.50	... to 2.00	Standard Varieties: Yellow and var.	1.00 to 1.50	... to ...	... to ...
2.00 to 3.00	... to 3.00	*Fancy: White	1.00 to 2.50	3.00 to 4.00	... to ...
2.00 to 3.00	2.50 to 3.00	(*The highest grades of Std'd vars.) Pink	1.00 to 2.50	3.00 to 4.00	... to ...
2.00 to 3.00	2.50 to 3.00	(*The highest grades of Std'd vars.) Red	1.00 to 2.50	3.00 to 4.00	... to ...
2.00 to 3.00	... to ...	(*The highest grades of Std'd vars.) Yellow and var.	1.00 to 2.50	... to ...	... to ...
4.00 to 10.00	6.00 to 12.50	**Chrysanthemums, ordinary**	... to ...	4.00 to 12.00	4.00 to 16.00
12.50 to 25.00	15.00 to 20.00	fancy	4.00 to 15.00	15.00 to 25.00	... to ...
... to .75	... to ...	**Daisies**	... to ...	... to ...	... to ...
... to .20	... to .20	**Ferns, hardy**	... to ...	... to .12	... to ...
... to .15	... to .12	**Galax, green and bronze**	... to ...	... to .12	... to ...
... to ...	... to ...	**Gardenias, per doz.**	... to ...	... to ...	... to ...
... to 12.50	10.00 to 12.00	**Lilies, Harrisii and Longi**	8.00 to 10.00	... to 15.00	... to ...
... to 3.00	3.00 to 5.00	**Lily of the Valley**	2.00 to 3.00	3.00 to 4.00	... to ...
... to ...	... to ...	**Mignonette**	... to ...	... to ...	... to ...
... to ...	60.00 to 75.00	**Orchids—Cattleyas**	25.00 to 50.00	... to ...	... to ...
... to ...	10.00 to 15.00	Cypripediums	... to ...	... to ...	... to ...
... to ...	... to ...	Dendrobiums	... to ...	... to ...	... to ...
... to 1.80	1.20 to 1.80	**Smilax, (per doz. strings)**	... to ...	... to 1.80	... to ...
.75 to 1.00	... to ...	**Sweet Peas**	... to ...	... to ...	... to ...
.50 to 1.00	... to ...	**Violets, single**	... to ...	... to ...	.25 to .35
.50 to 1.00	... to ...	double	... to ...	50 to .75	.35 to .50
... to ...	... to ...		... to ...	... to ...	... to ...
... to ...	... to ...		... to ...	... to ...	... to ...
... to ...	... to ...		... to ...	... to ...	... to ...

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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C. C. Pollworth Co.

MILWAUKEE, WIS.

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N. Y. F. C. Bowling Assn.

On Friday, Oct. 21, the bowlers assembled in force at the usual place of meeting. The prize for the evening, a silk umbrella donated by Mrs. C. W. Scott (née Mills) was won by Roman Irwin of Philadelphia. The prize for this week's bowling will be offered by Mr. Irwin, and for next week by P. J. Smith, a handsome satchel. A match between the Association and the Astoria Club is contemplated for Nov. 8, the afternoon preceding the meeting of the N. Y. F. C.

Boston

The weather has been unprecedentedly warm for the past week, and it has gone on record as the poorest for business in years. Early Chrysanthemums, midseason and late varieties, are all in the market at one time, and every thing else has to give way to the Queen of Autumn. Frost has held away most wonderfully and there are quantities of flowers still in blossom out of doors. Outdoor or hardy Chrysanthemums are flowering most profusely, so is Anemone Japonica and even Cosmos is beautiful at this late season.

W. P. Collins who leased greenhouses at Watertown a short time ago has returned them to Mr. Lassman, the owner, who will carry on business as formerly.

Edward Crowley, formerly with Donald Carmichael of Wellesley, is now with the Halifax Floral Co., Halifax, Mass.

Gustave Olson of Woburn is bringing into the Boston Co-operative Flower Market some very well-grown Chrysanthemums of the variety President Taft which are handled by E. G. Fletcher.

James Petros, formerly head man at the Rosary retail store, is going to open a store in the new building which is being completed on the ground on which the Y. M. C. A. building stood before it was burned down last year. This is an excellent place for a high-grade store, being located at the corner of Berkeley and Boylston sts. in the Back Bay district. He expects to have his opening on Nov. 10, and is to have a lot of novelties for that occasion; these are being shipped in from all over the country. His many friends in the trade wish him much success.

H. W. Vose of Milton has the finest Lady Lenox Cosmos, both pink and white, seen here this season. It is grown indoors; the color and size of the flowers are exceptionally fine; when grown in this way there are very few more pleasing flowers in the market; outdoor Cosmos does not compare at all with this product. W. F. Aylward, at the Boston Flower Exchange, is the salesman who handles it.

William Atkinson, of the Hadsworth Nurseries, Yorkshire, Eng., accompanied by his daughter, visited this city last week. He was delighted with the parks and surrounding country. He also visited the famous Hunnewell Gardens at Wellesley; his escorts while in the city were John K. L. M. Farquhar and John A. Pettigrew.

A. R. Hutson, principal salesman at Wm. H. Elliott's wholesale rooms on Park st., whom we reported two weeks ago as being very sick is improving nicely and getting on as well as could be expected; we hope to see him soon back at his old stand.

In an interview with Wm. Nicholson of Framingham, that gentleman said that Pink Delight Carnation is doing exceptionally well with him and that there has been nothing in that color that is as good since Enchantress was sent out. It is a fine shipper and a good keeper. Dorothy Gordon is doing all that was claimed for it and is very promising. Scarlet Glow is promising and of a fine color, better than Beacon, and a good commercial variety. Mr. N. claims there is nothing better in white than White Enchantress and White Perfection. He considers the White Enchantress sent out by Benson of Colorado by far the best; it is very prolific, a good keeper, and, in fact, has every point of a good commercial variety. In speaking of Chrysanthemums he grows Pennsylvania and considers it a good yellow variety. Nagayo he pronounces the finest yellow on record. He likes Lynwood Hall and considers it one of the best late whites. In red 'Mums he likes Matchless for early, John Shrimpton for midseason and Intensity for late.

Mr. Nicholson grows a lot of fine Mignonette and has just commenced shipping this product. He is cutting it now with 2 ft. stems and fine heads of flowers. His yellow Marguerites are doing well. He grows them in pots and they flower more freely. Freesia he grows in quantity.

Robert McGorum of Natick has a new seedling Chrysanthemum which is a fine thing and looks very promising. The flowers are very full, of a pale yellow color;



CARNATION SPECIALS

500 of our best quality, our selection, $1.50 per hundred

Illustration shows one of our "CARNATION SPECIALS" ready to go out. These Specials are designed as "Opportunities for Live Business Men." Wonderful values.

CHRYSANTHEMUMS, Fancy . . . . . $20.00 to $25.00 per hundred
Medium . . . . 10.00 to 15.00 " "
Short . . . . . 5.00 to 6.00 " "
We make up a $10.00 box of either the Fancy or Medium grades as desired, giving exceptional values in both cases; state which grade wanted when ordering.

ADIANTUM HYBRIDIUM . . . . . $1.00 per hundred
VALLEY, Special . . . . . 4.00 " "
Extra . . . . . 3.00 " "
CUT LILACS, first of the season, extra choice . . . 1.50 per bunch

We are now booking orders for Robert Scott & Son's new roses, Melody and Double Killarney. MELODY, own root, 2½-inch, $5.00 per dozen $30.00 per 100, $70.00 per 250, $250.00 per 1000. DOUBLE KILLARNEY, own root, 2½-inch pots, $3.00 per dozen, $20.00 per 100, $150.00 per 1000; grafted, $30.00 per 100, $250.00 per 1000. March 1st delivery.

Ribbons and Supplies of all kinds. **Catalogue on Request.**

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PM QUALITY

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Oct. 24, 1910	Buffalo Oct. 24, 1910	NAMES AND VARIETIES	Phil'delphia Oct. 24, 1910	St. Louis Oct. 24, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	15.00 to 20.00
20.00 to 25.00	15.00 to 20.00	" extra	20.00 to 25.00	10.00 to 15.00
12.50 to 15.00	10.00 to 15.00	" No. 1	12.00 to 15.00	8.00 to 10.00
6.00 to 10.00	7.00 to 10.00	" No. 2	4.00 to 8.00	..... to .....
3.00 to 6.00	2.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 6.00
3.00 to 5.00	2.00 to 7.00	White Killarney	2.00 to 8.00	3.00 to 6.00
3.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
..... to	..... to	Mrs Jardine	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 5.00	3.00 to 8.00	Richmond	2.00 to 8.00	..... to .....
3.00 to 4.00	2.00 to 6.00	Perle	2.00 to 6.00	..... to .....
3.00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	2.00 to 8.00	3.00 to 5.00
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to 1.00
26.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	2.00 to 3.00	..... to .....
8.00 to 10.00	..... to	Callas	..... to 12.00	..... to .....
1.00 to 1.50	1.00 to 1.50	Carnations—Inferior grades, all colors	.75 to 1.50	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	1.00 to 2.00	1.50 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Pink	1.00 to 2.00	1.50 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.00 to 2.00	1.50 to 2.00
1.50 to 2.00	..... to	Standard Varieties: Yellow and var.	1.00 to 2.00	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.) White	2.00 to 3.00	2.00 to 2.50
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.) Pink	2.00 to 3.00	1.50 to 2.00
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.) Red	2.00 to 3.00	1.50 to 2.00
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.) Yellow and var.	..... to	..... to .....
6.00 to 12.50	10.00 to 15.00	Chrysanthemums, ordinary	5.00 to 15.00	6.00 to 10.00
20.00 to 25.00	15.00 to 25.00	" fancy	15.00 to 25.00	10.00 to 20.00
..... to	..... to	Daisies	.60 to .75	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	..... to .10	..... to .....
..... to	..... to	Gardenias, per doz.	2.00 to 3.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	6.00 to 10.00	10.00 to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	..... to .....
..... to	.50 to .75	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	35.00 to 60.00	..... to .....
..... to	..... to	Cypripediums	..... to 15.00	..... to .....
..... to	..... to	Dendrobiums	..... to 50.00	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.00 to 2.00	..... to .....
.50 to .75	..... to	Sweet Peas	.25 to .50	..... to .....
..... to	.60 to .75	Violets, single	.25 to .35	..... to .....
.40 to .50	.40 to .50	" double	.50 to .75	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

CHRYSANTHEMUMS

FANCY, $18.00-$25.00 per 100. **EXTRA, $15.00** per 100.
MEDIUM, $10.00 per 100. **SMALL, $6.00-$8.00** per 100.

Our supply this year will surpass anything we ever have handled, both in quality and quantity. All grades of Chrysanthemums at all prices.

EASTER LILIES $1.50 per doz., $10.00 per 100

Beauties, The Best $25.00 per 100

ROSES **Pink** and **White Killarney, Maryland, Richmond, Brides** and **Bridesmaid**

THE BEST $8.00 per 100 EXTRA $5.00-$6.00 per 100 FIRSTS $4.00 per 100

With the large supply of Roses at our disposal we are in a position to give you in all grades good value.

THE LEO NIESSEN CO. 1209 ARCH STREET Philadelphia, Pa.
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EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

it is an early bloomer, coming in after Golden Glow, and promises to be a good commercial variety. He is to grow quite a number for market next year. Flowers of this variety have been on exhibition for the past week at Welch Bros.' on Devonshire st, and were much admired.

Welch Bros. report a very busy Fall and a steady increase in business. In fact, the business done during the month of September, and up to this week in October, has been the best for several years. They are receiving a good grade flowers from their growers and the quality of Carnations and Roses is steadily improving. Their Cattleyas are the best we have seen for some time, large and of fine color. Oncidiums in variety and Cypripediums are coming in more freely. They are making a specialty of Mexican Ivy (Vanconveria hexandra), and consider it a good thing; there is quite a demand for it and it takes the place of Adiantum in many cases.

Penn's on Bromfield st. had many orders for the Julia Ward Howe funeral; these came from all over the country. Orchids, Gardenias and Lily of the Valley were used extensively in the pieces. The new front to the store is about finished and is a decided improvement on the old one. They have a fine show of Cattleyas, Fisher's Carnations and Waban Rose Conservatories Roses. They have a fine display of Chrysanthemum Early Snow and of Gardenias which come from Philadelphia.

MacMulkin has an especially pretty window this week which is made up in pink and white Lorraine Begonias; Chrysanthemums and Cattleyas were also used largely.

Alfred Emerich, representative of Vilmorin, Andrieux et Cie., France, was a visitor this week.

Henry M. Robinson Co. are doing a rushing business; they have just received 500 cases of Immortelles for Christmas and a large consignment of earthenware vases of all shapes and designs. They are busy in their wirework department and making many novelties, designs for shower wreaths being a specialty. They have imported a stock of novelties in baskets from Germany for which there is sure to be a great demand. The flower section of the business is in a flourishing condition.

At the next meeting of the Gardeners and Florists' Club, which will be held Nov. 15, nomination of officers will take place, to be followed by a lecture, subject to be announced later.

The committee on prizes and exhibitions of the Mass. Hort. Society has decided to give three gold medals and six silver medals to the National show of the S. A. F. which is to be held in Boston next March. The medals are to be awarded by the Society's committee.

John McKenzie of North Cambridge, who underwent a serious operation a few weeks ago, is now back at his store and is also able to superintend the work at his greenhouses.

The new Chrysanthemum, Chrysolora, from Elmer D. Smith & Co., Adrian, Mich., was on exhibition last Saturday at the Boston Flower Exchange. It is a yellow Japanese incurved variety which was very highly thought of and is expected to become a fine commercial variety.

This is the dryest year Boston has seen since 1871. The deficiency so far this month is 2.07 in. below normal; the total for the year is 22.2 in. below the same period in 1908. R. C.

Philadelphia

The next meeting of the Florists' Club of Philadelphia will be held at Horticultural Hall on Tuesday evening, Nov. 1. President Joseph Heacock has persuaded J. Otto Thilow, who so ably and satisfactorily filled the chairmanship of the essay committee for the year ending in September, to continue in office another year. This decision of Mr. Thilow to remain in office, though at much personal sacrifice, is a matter of self-congratulation on the part of the Florists' Club. Mr. Thilow has secured as the speaker of the evening for the November meeting Thomas B. Meehan, of the firm of Thomas B. Meehan & Sons, Dresherlown, Pa. Mr. Meehan's subject will be "A Few Hints on the Proper Method of Pruning." He will bring in a few specimens of trees and shrubs, and give a practical demonstration of their proper treatment. The practical nature of the subject and the well-known ability of the speaker to deal with it should bring out a large attendance.

H. Bayersdorfer & Co., 1129 Arch st., have just received by steamship from Europe six hundred cases of florists' supplies. Many of these will be novelties in chinaware, baskets, wreaths, and prepared

"The Busiest House in Chicago"

J. B. DEAMUD CO.

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51 Wabash Ave.

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All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

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Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS **ST. PAUL, MINN.**

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E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF

and

DEALERS IN **CUT FLOWERS**

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35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Oct. 25, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	5.00 to	8.00
White Killarney	6.00 to	8.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	3.00 to	4.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.... to	....
	.... to	....
	.... to	....

CARNATIONS			
Standard Varieties	White	1.50 to	2.00
	Pink	1.50 to	2.00
	Red	1.50 to	2.00
	Yel. and Var.	.... to	....
*Fancy (*The highest grades of Sta'd varieties)	White	.... to	3.00
	Pink	.... to	3.00
	Red	.... to	3.00
	Yel. and Var.	.... to	....
Ferns, hardy, per 1000		.... to	1.50
Galax (green)		.... to	1.00
" (bronze)		.... to	1.00
Lilies, Harrisii and Longi.		12.50 to	15.00
Lily of the Valley		3.00 to	4.00
Narcissus—Paper White		.... to	....
Orchids—Cattleyas		.35 to	.50
" Cypripediums		15.00 to	20.00
Pansies		.... to	....
Smilax		12.00 to	15.00
		.... to	....
Violets, single		.50 to	.75
" double		.75 to	1.00
Gardenias		25.00 to	35.00
		.... to	....
		.... to	....
		.... to	....
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		.... to	....
		.... to	....
		.... to	....
		.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

leaves and sprays. Among recent store callers were Mr. and Mrs. Cole of Lockport, N. Y.

Mr. and Mrs. Charles C. Ostermann of Springfield, Mass., were recent callers on the S. S. Pennock-Meehan Co. This company is now offering some of the first Lilac of the season.

John Fallon of Staunton, Va., was a recent caller on Edward Reid of Ranstead st. Mr. Reid is handling some choice American Beauty Roses, Orchids and Valley, and even thus early in the season is shipping as far South as Jacksonville, Fla.

F. E. Carr of West Park, O., and H. Mann, of Brown & Mann, Richmond, Va., were recent callers on the Robert Craig Co. This company is now receiving by steamer several more large invoices of Azaleas and Boxwoods, and is very busy potting and placing these. The company has several houses of made-up pans of Poinsettias and Asparagus plumosus, in sizes from 7 in. to 10 in., with three to six plants of each kind to a pan, which are looking fine; and the large plants of Begonia Lorraine seen here are in remarkably nice shape.

Among the busiest of the wholesale florists of this city is the Leo Niessen Co. This company is looking forward to the change of quarters after the erection of their new building, which their increasing business demands. Among other seasonable blooms this company is now receiving are some particularly good American Beauty Roses and Valley.

John C. Gracey of 1230 N. 26th st. had the decorations at the fiftieth anniversary of the marriage of Mr. and Mrs. Conrad Reiger, which was celebrated at their Willow Creek bungalow, on their 200 acre farm at Pennlyn, Pa., on Tuesday, Oct. 25. The color scheme was yellow, and farm products as far as possible were used in the decorating, such as Corn, Rye, and boughs of Oak, Maple, Cedar, etc. A special feature was a horseshoe 5 ft. high, made of yellow 'Mums. The rooms were hung with yellow silk bunting. The table decorations were also yellow 'Mums, and the boutonnières were of Perle des Jardin Roses.

A beautiful window display is seen at Pennock Bros., 1514 Chestnut st. this week. The color scheme is yellow and the blooms used are Chrysanthemums, both the hardy varieties and the indoor blooms. A vase of large blooms occupies the background. The window floor is filled with baskets of varying sizes which are made up of the choicest hardy blooms, many of which are touched with bronze, relieving a too pronounced yellow effect. The entire window space above and on the sides is hung with dainty handle basket vases filled also with blooms of hardy Chrysanthemums. A spray here and there of Oncidium varicosum Rogersii gives a little airiness to the effect, and some Perle Roses give variety.

Chicago

There is a more cheerful feeling among the trade now that the Indian Summer has passed. A good heavy frost last Saturday, and also on Sunday night, caused a stiffening in market values and shortening of stock. A good many orders are arriving from the South for Hallowe'en requirements, this festival using quantities of large flowers, especially in New Orleans, every year.

The wholesale houses were pretty well deserted last Saturday and inquiry elicited the fact that our florist friends had gone to see the Cubs win the pennant.

A letter received by J. B. Deamud from H. Richards, who has again embarked in the culture of Orchids near Los Angeles, Cal., says he is very glad to be back in the growing business, and that the prospects are very promising. Mr. Richards has been associated with the American Florist for some time

Elmer D. Smith of Adrian, Mich., exhibited in the market this week a bloom each of his two new Chrysanthemums, Unaka and Chrysolora, that were passed on by the committee of the Chrysanthemum Society of America at Cincinnati on Oct. 8.

The press speaking of our seedsman candidate for Congress, says that Hyde Park is keeping up its usual standard for political activity, when J. C. Vaughan, Democrat and seed merchant, is hard after Congressman James B. Mann, Republican. Mr. Vaughan, rated as an aggressive political antagonist is making a big play on the tariff. He has placed in circulation what has been termed the most pretentious of the many campaign pamphlets put out by individuals.

H. M. Burt of Jackson, Mich., has just opened a retail store at that place; he spent several days in Chicago buying supplies.

Frank Benthey, son of F. A. Benthey, and foreman of the Crabb & Hunter establishment, Grand Rapids, Mich., is the proud father of a bouncing boy that arrived, October 16.

August Poehlmann celebrated his 41st birthday on October 21.

H. C. Wuhlbrandt, of Madison st. and 52nd ave., has gone on an automobile trip to Kentucky, where his wife is visiting; he expects to return within two weeks.

The Hotel La Salle has had many elaborate dinners and banquets in the past few weeks, keeping John Starrett on the alert with floral decorations.

A. Lange says the retail trade is booming and he has booked many elaborate weddings for the near future.

Conspicuous in Mangel's window on Monday were two large baskets of Autumn leaves, Pompon Chrysanthemums and Killarney Roses that made a great showing. A display of Orchids was also attractive.

Smyth of 31st st. and Michigan ave. is progressing with the enlargement of his store. He has added the store adjoining, on 31st st. to his already commodious quarters. When complete this will be one of the best equipped stores in town.

Muir, of 35th st. and Michigan ave., has a splendid collection of Palms and Ferns that are products of the Muir conservatories. Business is very good here.

Vaughan's Seed Store exhibited in many classes at the recent State Fair at Springfield, and was the winner of many first prizes.

Winterson's Seed Store reports an increase of counter trade for Fall bulbs in the past few cold days. Peony plants are meeting with ready sales.

Some especially fine Sweet Peas for first cut are noticed at the J. B. Deamud Co.'s. This house reports that the wild Smilax received by them is better than for some years.

Tim Matchen, of Peter Reinberg's, says that shipping orders carried well during the warm weather, with only few complaints of Carnations going to sleep. Stock is excellent at this house.

Wietor Brothers are cutting fine 'Mums in eight or nine varieties. Their Roses and Carnations are also in prime condition.

Vaughan & Sperry have some extra fine Boxwood, enough to supply all demands, the usual fine grade of American Beauty Roses this house carries is to be had in quantity.

Bassett & Washburn are just beginning to cut Sweet Peas at their greenhouses. The flowers and stems are extra fine for first cut. The firm is devoting two houses to Sweet Peas this season.

H. E. Philpott of Winnipeg, Man., is in town, busy on the arrangements for the cut flower booth the Chicago Florists' Club has a concession for at the coming flower show.

At A. L. Randall Co.'s business is very brisk, with plenty of 'Mums, Carnations and Violets, good stocks of each. In the supply department business is also very good and some new novelties from Europe are attracting considerable attention.

Winterson's Seed Store reports the cut flower market as improved over the previous week of warm weather, which had a tendency to bring out a large quantity of 'Mums. While some arrivals have had to be sold at cheaper prices than similar stock at this time last year, it is thought that so many flowers coming in early will shorten the supply considerably when the better prices can be obtained. Violets were in heavy supply during the warm spell last week, and moved slowly. American Beauty Roses have had a good sale, without being over abundant. Carnations are improving in quality considerably. This house is receiving some very fine Boxwood, suitable for window boxes, beds, etc., also showing some very fine specimens of Biota aurea nona.

Visitors: Ed. Amerpohl, Janesville, Wis.; Gus. Fredrickson, St. Joseph, Mich.; Swan Peterson, Gibson City, Ill.; Geo. E. Serviss, Batavia, Ill.; J. A. Lisy, Davenport, Ia.; Aug. Swanson, St. Paul, Minn.; Mr. Stenier, of R. R. Davis & Co., Morrison, Ill.; Roy F. Wilcox, Council Bluffs, Ia.

Flower Show Notes

Arrangements are not as yet complete for the Fall show, to be held at the Coliseum, November 8 to 12. Everything is progressing favorably, however. By the way, the entries are coming in well, and from the demand for space for different exhibits it looks as if we were going to have a remarkably fine show. The arrangements of the grounds will be under the supervision of H. J. Stockman, who had the matter in hand last year. One of the special features will be an arrangement of back yards; this display will be in charge of the Chicago Horticultural Society; in connection with the scheme will be daily lectures on back yards, trees, lawns, flower beds, etc. Another feature will be the handling of the booths. Each day the flowers exhibited on the previous day will be used to decorate the booths under the galleries. It is decided to have the band stationed on the main floor; and a lady singer will also be an attraction. The prices of admission will be 75c., except on Saturday afternoon and evening, when it will be 50c.

The cut flower booth will be under the direction of the Chicago Florists' Club. H. E. Philpott is chairman of the committee, with H. D. Schiller, H. N. Bruns, F. W. Pasternick, W. H. Kidwell, A. I. Simmons, Jas. Curran and E. F. Winterson, treasurer.

Chicago Florists' Club

A special meeting of the Club was held on Oct. 20. It was arranged that the annual Club banquet to out-of-town visitors will be held at 6.30 p.m. on Thursday, Nov. 10, at the La Salle Hotel. The following were elected members: F. S. Howard, 1826 Calumet ave.; E. L. Schultz, Oak Park; R. Reefe, 208 So. California ave.; Al. Fischer, 2737 No. Clark st. The following applications for membership were received: F. N. Martin, 609 E. 40th st.; Thos. Laing, La Grange, Ill.; Fred Dietsch, 2640 Sheffield ave.; John Then, 5038 Lincoln ave. The Bowling Club will hold a ball during flower show week, on some night after the banquet, in the Coliseum Annex. Pres. Asmus appointed the following committees: Banquet—A. C. Kohlbrandt, chairman, W. N. Rudd, A. Hen-

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pote, $1.50 per dozen.
AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.
FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.
DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.
GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.
HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.
HYDRANGEA Otaksa, from open ground, 3 to 4 buds, $10.00 per 100; 5 to 7 buds, $12.00 per 100; 8 to 10 buds, $15.00 per 100.
HYDRANGEAS, Otaksa and Thomas Hogg, grown in 4-in. pots, $1.00 per dozen.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

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Hardy Perennials

Strong Field-Grown Clumps

	Per 100
Achillea tomentosa	$3.00
Alyssum saxatile compactum	4.00
Aster Novæ-Angliæ	4.00
Tataricus	4.00
Bellis perennis	4.00
Boltonia asteroides	3.00
Campanula carpatica	5.00
Raineri	5.00
Canterbury Bells, white and pink	4.00
Chrysanthemum coccineum	5.00
Convolvulus Japonicus	3.00
Coreopsis lanceolata	4.00
verticillata	4.00
Dianthus Her Majesty	4.00
Digitalis purpurea	5.00
Erigeron glaucus	4.00
Funkia lancifolia	4.00
Helianthus orgyalis	4.00
Heuchera sanguinea	4.00
Iris Germanica var. Brooksiana	6.00
Honorable	3.00
Graccus	3.00
Sylvia	3.00
Walter Scott	3.00
pumila	4.00
Congalti	4.00
Lilium elegans	3.50
Henryi	20.00
Maximowiczi, red	5.00
Lobelia cardinalis	4.00
Lupinus polyphyllus	4.00
Lysimachia nummularia	3.00
Lychnis Chalcedonica	4.00
Fles-Cuculi	3.00
Oenothera fruticosa	4.00
Pentstemon barbatus Torreyi	6.00
Phlox subulata	4.00
subulata alba	5.00
Platycodon grandiflorum	4.00
Polygonatum multiflorum	4.00
Primula officinalis	4.00
Rudbeckia fulgida	3.50
Sedum hybridum	4.00
spectabile var. purpureum	6.00
Thermopsis Caroliniana	4.00
Tiarella cordifolia	4.00
Trillium erectum	2.50
grandiflorum	2.00

F. H. HORSFORD, CHARLOTTE, VERMONT

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Smilax Plants

Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.

R. KILBOURN, Clinton, N. Y.

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Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J

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Prices Advertised in these Columns are for THE TRADE ONLY

derson, Fred Lautenschlager, D. A. Robertson. Flower Booth—H. E. Philpott, chairman, H. Schiller, F. Pasternick, H. N. Bruns, W. H. Kidwell, A. L. Simmons and J. J. Curran. Restaurant and Bar—E. F. Winterson, treasurer, A. Henderson, T. C. Yarnall, T. E. Waters, E. F. Winterson.

Anton Then showed a new seedling Carnation which scored 87 points, and was awarded a certificate of merit. Elmer D. Smith & Co., Adrian, Mich., showed their new yellow 'Mum Chrysolora, which scored 93 points, and gained a club certificate of merit.

Bowling

The following prizes have been donated to the Chicago Florists' Bowling Club: Poehlmann Bros. Co., six handsome scarf pins; Vaughan & Sperry, a handsome silver cup; Geo. Asmus, a handsome watch fob; John C. Moninger Co., six valuable umbrellas; E. C. Knight, 100 cigars. The following scores were made by the teams on Oct. 20:

Roses	710	771	757
Carnations	752	811	742
Orchids	707	769	762
Violets	688	692	753

Los Angeles, Cal.

The third annual Fall flower show of the Pasadena Gardeners' Association promises to be the best ever. Certainly, the location and the facilities for making an exhibition are superior to any others that have been at the command of the Association. The loyalty of the management of the Hotel Maryland to the Association seems to have permeated every avenue of the horticultural world in this end of the State, and the patriotic impulse of seedsmen, gardeners and growers of plants is to make a display.

This exhibition will be unique, for the reason that two spacious rooms of the hotel will be set aside for the display of Orchids and all that class of plants likely to be injured to a greater or less extent when exhibited in a tent, where climatic conditions are not easily controlled. The main part of the exhibition will be held in a newly constructed tennis court, sunken four feet below the pergola, and promenades surrounding it. The floor is cement, therefore there will be no restrictions on the use of water, fearing damage to it. This always has been one of the annoying features of our shows when held in halls. "Don't wet the floors" was always dinned into the ears of exhibitors, until in sheer desperation they have vowed never to exhibit at another show. Wm. Hertrich, superintendent of Mr. H. E. Huntington, will have a display from his unrivalled collection. Edward H. Rust of South Pasadena will be represented by his superintendent and propagator, J. W. Ross, one of the men who never grow old. Under his management, a great collection of valuable plants is being assembled, and that, too, in quantities to meet the demands of discriminating planters, which are increasing in number on this Coast.

Howard & Smith of Los Angeles, loyal to every flower show ever held here, will have an exhibit in their own original style.

One flower show, extensively advertised and held at great expense to the management of another organization, discovered at the last minute, a pernicious, sullen spirit of antagonism developed in the community and exhibitors held aloof, to the consternation of all concerned. Loyal to the core to the city of their nativity, the Howard boys immediately began hauling plants and flowers from their immense collection and filled the hall, giving the public a first class exhibition, without it even suspecting any trouble among nurserymen and gardeners, members of the organization. Yet the Howards were so modest they never mentioned to anyone what they had done to save the credit of Los Angeles in the estimation of an admiring public.

Dr. Franceschi of Santa Barbara has promised us an exhibit of his novelties. A remarkable characteristic about the doctor is that while he introduces more valuable plants to this Coast than anyone in the State, he never attempts to make the public believe that he is the greatest and the only plant man in all the world.

John Bodger & Sons of Gardena will show some of their Petunias, referred to previously in these notes. The nurserymen and gardeners about Pasadena are all active in preparation for the show and all of this interest is an inspiration and encouragement to the Pasadena Gardeners' Association.

Begonia Gloire de Lorraine

BEAUTIFUL PLANTS IN FULL BLOOM

6 inch pots, $12.00 per dozen. 7 inch pots, $15.00 and $18.00 per dozen. 8 inch pots, $24.00 and $30.00 per dozen.

Send us your order at once for samples. We can then be sure of your Christmas order.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

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DRACAENA INDIVISA

2-inch, $2.00 per 100; $16.00 per 1000.
2½-inch, $2.50 per 100; $22.00 per 1000.

These will make good 3¼ and 4-inch stock for Spring trade. Also field grown plants ready for 5 and 6-inch pots, 10 cents each.

CYCLAMEN, nicely budded, in 4-inch pots, $15.00 per 100.

ASPARAGUS SPRENGERI, 2½-inch, $2.50 per 100; 3-inch, $4.00 per 100.

FERNS, Scholzeli, Boston and Whitmani, fine plants in 4-inch pots, 20 cents each.

PRIMROSES, Chinese and Obconica, 4-inch, $8.00 per 100; 3-inch, $4.00 per 100.

WETTLIN FLORAL CO., Hornell, N.Y.

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JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N.Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

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VINCA Variegata, field-grown, at $4.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli, Scottii and Whitmani, 5-in. pot plants, $4.00 per doz., $25.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
PRIMULA Obconica Grandiflora, Pink, Red and White, 2½-in. pot plants, $2.50 per 100.
CELESTIAL or **CHRISTMAS PEPPER,** 4-in. pot plants, $10.00 per 100.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
NARCISSUS, Paper White Grandiflora, 13 centimeters and up, $1.00 per 100, $9.00 per 1000.
HYACINTHS, White Roman, 12 to 15 centimeters, $2.00 per 100, $17.00 per 1000.
NARCISSUS, Trumpet Major, (French Grown,) $1.00 per 100, $9.00 per 1000.
GLADIOLUS Blushing Bride and The Bride, 60 cts. per 100, $5.00 per 1000.
SPIREA, large flowering clumps, Gladstone, $9.00 per 100; **Queen Alexandra,** $12.00 per 100.
ASTILBOIDES, Florabunda, $4.50 per 100; **Superba,** $6.00 per 100; **Blondin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** $4.00 per 100.
Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

Charles Winsel has moved into his new store, 211 South Main st., and it is a beauty. The ceiling is 18 ft. high, and the entire room of ivory whiteness. The building is reinforced concrete, with cement floors, which will preclude the danger to seeds from rats and mice gnawing their way through floors and partitions which are made of lath and plaster. Electricity for lighting the building is generated in the cellar. The store is steam heated throughout. To an Atlantic Coast seedsman that statement may seem superfluous, but the fact is that until



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STANDARD FLOWER POTS Packed in small crates easy to handle

	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	4⅝ 4½-in. pots in crate	$5.24	HAND MADE 48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4.51	48 10 " "	4 80
1500 2½ " "	6 00	210 5 ½ " "	3.78	24 11 " "	3.80
1000 3 " "	5 40	144 6 " "	3 18	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

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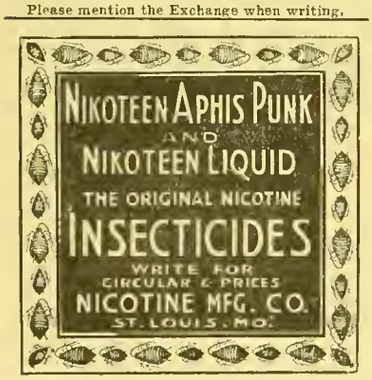

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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

Fertilizers

For GREENHOUSES, LAWNS, FARM, Etc.

AT WHOLESALE PRICES

I save you 30 per cent. State plainly what you require and for what purpose.

William M. Davidge, 156 Madison Street, Brooklyn, N. Y.

Please mention the Exchange when writing.

oil was discovered in this State, fuel was so high priced that none of the older buildings in this town were so equipped with heating apparatus. Foul smelling gas or coal oil stoves were, and still are, largely used to heat offices and dwelling houses, and because of that fact there is discomfort here during the chilly Winter months, at night and on cloudy days, as is the case in the East. Winsel had a new experience in his moving. His lease on the old building expired on a Friday. The new room was not finished. His landlord gave him one day of grace and on Sunday, against his conscience, he had to move into a room without a front door or a pane of glass in it. Monday, amid all the confusion of carpenters, glaziers painters and importunate customers, he was smiling and serene.

T. D. Robertson, general manager until recently, has bought the ornamental and floral department of the Orange Co. Nursery and Land Co., E. S. Richmond retaining the nursery department. In the case of Mr. Robertson is an illustration of the fact that it is not the country but the man that makes for success. This young fellow landed in this country about ten years ago and went to work as a day laborer for the company he now has partly bought out; and yet there are calamity howlers who tell us that the opportunities for young men to get on and up in the world have all disappeared in the grasp of the rich.

Ed. Howard, botanist and plant collector for Mr. E. L. Doheny of this town, returned from southern Mexico with two carloads of new specimens, of giant size, to plant in the soil in the new conservatories. He again left the city on Oct. 12 for the tropics, to continue his quest, and hopes to return with another lot in three months. The climate and exposure are having a telling effect on this young fellow's physique. It is remarkable what men will and can endure when in pursuit of a cherished purpose, whether it be fame, fortune, the acquisition of knowledge of the secret places of the earth, the collection of plant and animal life, or carrying the message of a higher and better life to their benighted fellows. Livingston, Gordon and Von Mueller may be named to prove the statement.

P. D. BARNHART.

San Francisco

The Market

Business has improved considerably since last week, and things are moving along nicely. Quite a few society functions were in evidence at the various hotels in the city, and two or three fashionable weddings helped the retailer considerably. This week, I have been much impressed with the high quality of stock brought into the market. Roses are plentiful and of good quality; Am. Beauty probably will improve considerably in the course of a week or so, the stems of this stock being too much on the short side to suit the public taste. Bride and Bridesmaid are good and of fine quality. Carnations are very fine and many were disposed of at good prices; in this line of flowers is noticed a heavy demand for the varieties Enchantress and O. P. Bassett; the latter variety has taken kindly to our Coast and has a long life before it. Outdoor flowers are only to be seen in limited quantities. Cosmos is seen quite frequently, while Coreopsis grandiflora also makes a pretty show in the stores. Orchids are in heavy demand all round, and growers have no difficulty in disposing of their blooms. Some very fine sprays of Phalaenopsis amabilis were to be seen in the city this week. Gardenias are quite plentiful, while some nice bunches of Stephanotis have sold well, and the offering was quite a change from the usual line of stock. Green goods are slackening in supply quite a little, but there is still plenty to go around.

Various Notes

Julius Eppstein has opened his new store on Geary st. and is already convinced of its success. Mr. Eppstein is a florist of ideas and we wish him every success in his new venture.

Serveau Bros. will open their new store next week. This store will be one of the finest fitted up stores in the city when completed.

J. Nievens, of Ross, who recently started business on his own account, states that he is well satisfied with trade in general, and has quite a lot of work on hand.

The MacRorie-McLaren Co. has received the contract for the decorating of the new Bohemian Club, one of the finest clubs in the city.

At the time of writing the Fairmont Hotel is one of the busiest places in the city, the occasion being the annual exhibition of the Pacific Coast Horticultural Society. A full description of the show and the list of awards will appear in next week's issue. MACMILLAN BROWN.

Pittsburgh

As yet, Oct. 26, we have had no killing frost in our vicinity; although the cool nights have checked outdoor stock somewhat there is still an abundance coming in. With stock grown under glass forced on by the fine weather, there is entirely too much for the demand, and prices are consequently low. Fine 'Mums of all colors, good Roses, particularly American Beauty, which seem rather plentiful and low in price, and fair Carnation blooms, are sold at various prices, very satisfactory to the retailer. The growers will simply have to wait their turn until a good frost comes along to wipe out Dahlias and other outdoor stock. Violets, although cheap, are in poor demand; the general call is for Carnations.

John Bader, who spent several weeks on his farm in Virginia, is home again and taking life easy.

A postal card was received the past week from P. J. Demas, proprietor of the Florists' Exchange, wholesale commission house, postmarked Athens, Greece, where he spent most of the Summer, his old home, where he has large interest in real estate. Mr. Demas is expected home shortly.

Representatives of Skidelsky & Irwin Co., and Jos. G. Neidinger, both of Philadelphia, were in the city the past week.

The second private 'Mum show was opened to the public the past week, that of H. J. Heinz, a name familiar to all, whose fine conservatories are in the East End, Penn ave. Mr. Featherstone has been in charge for some years and has the place in fine condition. The conservatories are used for both fruit and flowers and a nice display of both are to be seen. The 'Mum show was well attended on account of the warm spell, and some good flowers were to be seen. Most of the newer sorts were in bloom, some good flowers among them; one of Totty's new ones, R. F. Felton, was very attractive, good form, splendid golden yellow, somewhat the color of Golden Wedding, and a good grower. Celosia Ostrich Plume, which was much admired at Rochester this Summer, is attracting attention. A few large plants are shown. The fruits grown are Melons, Cucumbers, Grapes, Peaches, Apples, Pears, Tomatoes and Strawberries, also quite a few Oranges. Good collections of plants in the various houses are quite interesting, and embrace some novelties not often seen. The conservatories are to be opened several nights. The show is seen to better advantage by electric light.

E. C. REINEMAN.

Detroit

True to the predictions made one week ago, the past week was very prosperous for all and the present one augurs still better for a good business. Roses are coming in good quality and are plentiful. Carnations are demanding a price which is much too high for their quality, and many more flowers could be disposed of were it not for that. 'Mums are somewhat better, principally since Thos. Brown is bringing in a big cut every day, but otherwise quality is not up to that of last year.

Wm. Dilger is now president of the Rose City Chemical Products Co., a $50,000 corporation organized for the purpose of extricating oils, etc., from pine stumps.

The outing of the Florists' Club to the city nursery at Palmer Park was greatly enjoyed by all who participated, and Mr. Hunter, who first started the same, and is still in charge, received well earned and unstinted praise. FRANK DANZER

Indianapolis

Indianapolis florists have decided to visit their Richmond brethren Nov. 2. An early start is to be made and all are requested to join as the trip is to be made a pleasant one. The E. G. Hill Co.'s plant, as well as those of the Chas. Knopf Floral Co. and Fred. A. Lemon Co. are in fine condition and will prove interesting.

Tomlinson Hall Market believes advertising will help move the many Chrysanthemums now being brought there. A large advt. in the daily newspapers is being used. Wholesale trade there is slow but the retail portion is up to expectations.

Irwin Bertermann was at Connersville last week on business.

The flower show posters are being distributed. The design is that of a Japanese lady with a large bunch of Nippon's favorite flowers; the effect is real striking.

A. Wiegand & Sons have a new Overland delivery car which they think will help them overcome the long drives to distant parts of the city.

The landscape gardeners are having a fine season; the weather is helping materially and Indianapolis is making wonderful strides in improving her landscapes.

Mr. and Mrs. Joe Hill were here lately.

Bert Eschner reports a large business in Indiana.

Two beautiful vases of the E. G. Hill Co.'s new Rose, which has been christened Sunburst, were an attraction in Bertermann Bros. Co.'s window last week. The color is a rich dark yellow and shows up fine under artificial light. It is a darker rose than Aaron Ward, larger, and a more prolific grower. It will doubtless be seen generally over the country as soon as disseminated.

Mr. Nims, of Hews & Co. was looking after pot orders in this section lately.

I. B.



THE BEST
Bug Killer
AND
Bloom Saver
FOR PROOF WRITE TO
P. R. Palethorpe Co.
Owensboro, Ky.

Please mention the Exchange when writing.

Cincinnati

During the past week business was very much on the quiet side. Chrysanthemums were plenty in the market, prices dropped away materially and much stock was left over at the close of business on Saturday night; the same conditions prevail at this writing, Oct. 24. The first frost of the season occurred Oct. 23; it was but a white frost and did little damage; a good hard freeze will do more for the flower business now than anything else we could have.

Fine quality Am. Beauty Roses are being received daily by the writer from the Heller Bros.' greenhouses at New Castle, Ind., and are selling well considering the advent of Chrysanthemums.

Dille & Konzelman of Greensburg, Ind., are getting into shape with their Carnations; they also grow a few Roses.

Mr. Carl W. Gerdum is shipping some very fine Lily of the Valley, fully equal to the celebrated Philadelphia stock, which sells at $3, $4 and $5 per 100.

With the advent of Hallowe'en, All Souls' Day and All Saints' Day, this market will evidently be cleaned up of all cheap flowers; this will increase the flower business some the latter part of the coming week.

Chas. Hoffmeister, Jr., has started out in politics and is at the head of about 700 first voters of Cincinnati.

A paper received from the Herms Floral Co., Portsmouth, Ohio, mentions a reception in celebration of the 50th wedding anniversary of Mr. and Mrs. F. C. Herms, Monday afternoon, Oct. 3, at their new bungalow on the Chillicothe pike, one of the scenic views of the Scioto river, and not far from the historic old Five Mile Church. Several automobiles were used to convey the company from the Herms' store on Chillicothe st. to and from the Herms' home during the reception hours. The house was beautifully decorated with electric lights and flowers, Chrysanthemums, Dahlias and Roses principally. Mr. and Mrs. Herms are to be congratulated and the event is one that will long be remembered in Portsmouth. The best wishes of the craft are extended to this couple who are veteran florists of Portsmouth.

E. G. Hill was a caller during the past week; he reports having a new Chrysanthemum, early as Estelle and Polly Rose, beautiful in form and good in texture, one that he picked up while on a tour of Europe. If it is as good as stated it will certainly be an acquisition for the trade needs a good early pink.

J. T. Herdegen was also in the city.

E. G. GILLETT.

St. Louis

We have with us, this week, Martin Reukauf of H. Bayersdorfer & Co., Philadelphia, who is selling supplies to the local trade with good success.

I am sorry to state that Charlie Kuehn is still sick in bed. He says, "Two weeks are too long to remain away from business, but the boys are doing splendidly and hardly miss me." He is on the mend.

George H. Angermueller handled a big lot of consignments last week of Roses, Carnations and Chrysanthemums. George says stock was too plentiful and demand slow; in fact, some varieties were a glut.

The executive board of the Horticultural Society held a meeting last week, Tuesday, to talk over arrangements for the coming flower show which takes place in the big Coliseum, November 8-12. The official program has been issued and can be had at any of the commission houses.

George Schriefer, who is in charge of the cut flower department at Kuehn's, said that stock was too plentiful all week, especially in Roses, Carnations and Violets.

The West End establishments are making fine Chrysanthemum displays in their store windows. They say that the demand for these flowers is greater than for any others just now, and Roses, Carnations and Violets have little call until the 'Mums are all cut out.

The W. C. Smith Wholesale Floral Co. has received a large quantity of supplies for the Fall and Winter demand, now that its new improvements are all complete. Wm. Ossick, who is head of the cut flower department, says that that part of the business was quite dull last week, and that they had big consignments daily from their Kirkwood growers.

C. Young & Sons are making large bulb displays in their windows and say that trade in this line has been good. They also have a fine plant display.

The Missouri Botanical Garden will again have a Chrysanthemum plant show in their big tent, right after the flower show; that is, if the weather permits. They have some grand plants this year for a big show.

Fred C. Weber, Jr., secretary of the Retail Florists' Association, says he hopes for a big meeting of the Association on November 7, in the Knights of Columbus Hall. The credit system will be taken up for discussion.

Henry Berning is handling some fine stock in fancy Dahlias from Webster Park, and other large consignments of Roses, Carnations and Chrysanthemums from his regular shippers. He had plenty, daily, last week.

The Florists' Club is looking forward to a big meeting on November 10, during flower show week. The trustees are now arranging for an entertainment for the visiting florists who will be in town for the week. A full attendance is looked for by the officers. ST. PATRICK.

Providence, R. I.

Cut flowers are coming into the market in much better condition than for some time. Chrysanthemums are plentiful, with quality good; the demand for same is also increasing. Roses are coming with longer stems and more perfectly formed buds; Violets, also, are of better color and quality. The recent frosts have killed most of the outside blooms and have caused more demand for greenhouse flowers. Funeral work among the florists in general has been good.

Among the visitors to Providence this week were: J. H. Cushing, Quidnick, R. I.; W. S. Nichol, Hampden Meadow, R. I.; W. S. Sword, Valley Falls, R. I.; James A. Tefft, Peacedale, R. I.

E. E. King of Attleboro, Mass., made his first appearance in town with Chrysanthemums last week, and reports business good and stock fine.

Willis S. Pino, seedsman, 41 Washington st., made a short visit to relatives and friends in Vermont last week. Mr. Pino is doing a nice business in bulbs, both wholesale and retail; he has a good supply of Dutch and French bulbs on hand, also Harrisii, Formosum, candidum and giganteum Lilies, and white Roman Hyacinths.

W. E. Barrett Co. reports business good for this season of the year.

The Providence Seed Co. is busy with poultry supplies and bulbs. Mr. Brown, manager, has his time pretty well taken up as secretary of the R. I. Poultry Assn., getting out premium lists, etc.

Johnston Bros., Dorrance st., report business good with stock plentiful. Their window display of choice Chrysanthemums and Ferns presents a beautiful sight and attracts many passers-by who comment on the artistic decorations.

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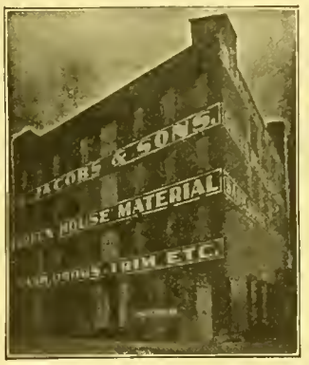

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We carry 1,500,000 ft. of Louisiana Cypress in Stock

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OUR NEW
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CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

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100 lbs in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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"FRIEDMAN'S BEST" TOBACCO POWDER
For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.
TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.
J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.
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KILMDEAD
The best of all the tobacco dusts for
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50 lbs. $1.00 | 100 lbs. 9.00 | 1000 lbs. $27.00
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Stumpp & Walter Co. 50 Barclay St. New York.

Please mention the Exchange when writing.

Trouble Talk

Number VI.

This particular one is particularly about throwing stones at us.

I was afraid of it—and now here we are working day and night and no end of trouble in sight.

That's what I get for telling you my Troubles.

Oh, well, it was trouble I was looking for, so we have no kick coming. But don't you kick too hard if we can't jump on the very next train after hearing from you.

Yesterday, for instance, was up Boston way, taking an order for one of our Sectional Boilers, when the Boss 'phoned me that there was a double quick trouble call for Newport. Of course, I had to finish that Boston trick before plunging into the troubles of Newport. So that's what I mean by asking you to be just a little slow to throw stones at us at this particular head-over-heels time.

We'll do our level best for you—that you can depend on. Nobody goes to sleep at the switch if our Boss knows it. And he pretty generally knows.

This may be the last (for the present) of my Trouble Talks; but keep on telling me your troubles just the same. It would be awful lonesome without them.

Address your letters in the same old way, direct to

The Troubleman

Hitchings & Co.

ELIZABETH, N. J.

When I do talk again, it will be an answer to the question: Why are some of the florists like a bird's tail?

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON

14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

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Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

Please mention the Exchange when writing.

Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.
813 Euclid Ave. - - Cleveland, Ohio

Please mention the Exchange when writing.

Lawrence Hay, East Providence, is bringing in some very fine Cosmos.

Wm. A. Forbes, proprietor of the Bryn Manor Greenhouses, Pawtucket, R. I., was in town on Monday and reports business very good with him. He is running the greenhouses formerly owned by the F. A. Sayles estate as a commercial establishment.

Mr. Crosby, of Franklin & Crosby, Danielson, Ct., was in town on Monday purchasing florists' supplies.

J. Kopelman has a fine display of spotted Ferns and Chrysanthemums, also several vases of choice Cosmos, which are very attractive. He reports business as improving.

Lilium giganteum bulbs have just arrived in Providence.

The Pleasant View Greenhouses, Pawtucket, R. I., have a good supply of Asparagus plumosus and Sprengeri.

Wm. Hay, Clarence st., Providence, wholesale florist, reports stock more plentiful and quality improving.

Miss Florence A. Willard, 277 Mass. ave., reports a fine crop of Chrysanthemums and Orchids, plenty of funeral work and decorations, and business in general improving.

Wm. Hoffman, florist, Pawtucket, R. I., is cutting some fine Chrysanthemums, also some fine Carnations, from his houses just built. His new office will be completed in about two weeks.

The Market

Roses: Firsts, $6 to $10 per 100; seconds, $4 to $6; thirds, $1 to $3; American Beauty, according to quality, from $5 to $25 per 100. Chrysanthemums are plentiful and of good quality, at $3 to $12.50 per 100. Violets, 25c. to 50c. per 100. Carnations, best quality $3, inferior grades, $1 to $1.50 per 100. Lily of the Valley, $3 to $4 per 100. Lady Bird Cosmos, $1 per 100. Easter Lilies, $6 to $8 per 100. Asparagus plumosus and Sprengeri, 25c. to 50c. bunch. Smilax is very scarce at present. H. C. N.

Baltimore

The Market

Business conditions here are somewhat better. Better weather could not be expected; a few rains and the bright sunshine have started the outside stock again to such an extent that it is coming in heavily, and inside stock likewise, especially 'Mums. Funeral work, fortunately, has been heavy, naturally using up considerable stock, otherwise a glut in some kinds would have been experienced. The demand for cut flowers this and last week has been steady. Large 'Mums have sold well, although small ones were more called for. There is a good supply of Roses. Carnations sell well and are more regular in supply, with good stems and color, and flowers of nice size. Dahlias are still in good supply, with quality much improved, and they sell fairly well. Violets are now on the market, and many farmers bring them to town, selling large bunches of the single varieties cheaply, both in market and at street corners. Pompon Chrysanthemums are extensively grown by the farmers here, who bring them to market and sell good size bunches at almost any price. Ferns are at the glut point; everyone has a good stock. Harrisii Lilies are steady, and those who grow them are satisfied with the sales. Asparagus plumosus and Smilax are in good supply, and stock good.

Lexington Market Florists

Among those who had tastefully arranged stalls in Lexington Market quite recently, were: John Eberhardt, greens and decorative plants; Henry Fischer, choice Ferns, 'Mums and cut Dahlias; Stoll Bros., natural design work; Conrad Hess, Ferns and Palms; Peter Eberhardt, Ferns and cut flowers; Harry Quick, 'Mums and Dahlias; Chas. Cook, Ferns, Carnations and 'Mums; H. Walters, Ferns, Dahlias and Willowbrook Chrysanthemums; N. T. Meyers, Ferns, 'Mums and Dahlias; Harry Ekas, the new Gloria Chrysanthemum; August Eberhardt, five stands of cut flowers, including Dahlias, Roses, Carnations, Cosmos and Ferns. F. Seidlick, F. Reitz and Mrs. E. Selzie also showed attractive stalls. Taken altogether, business, generally, was good, especially in the Fern line.

August Eberhardt is the "Dahlia King" in this city, handling over seventy crates a day. Business with him has been steadily increasing, calling for additional help. Recently he leased two stalls that were occupied by the late John Donn, and one from Mrs. Precht. He is making big preparations for the holiday trade and will handle fourteen boxes of Immortelles. He does much funeral work. He is at present potting many thousands of bulbs.

As usual, James Glass had an attractive stall showing seasonable plants and cut flowers. He also makes a specialty of Fern dishes, growing all his own stock for them. It is understood that Mr. Glass has bought out Jas. Simpson's plant and now has possession. The place is opposite Clifton Park, has a 200 ft. frontage, by 300 ft. deep; there is a cottage and two greenhouses on it, and other improvements. At one time Mr. Simpson had a stall in the Richmond market, and he is well known to the trade.

Club Meeting

There was a large attendance at the Gardeners and Florists' Club's meeting last Monday night, in their Club rooms. Notices were sent out that the Mayor and other prominent gentlemen would be present and smoke cigars with us. The meeting was promptly started, and only important business was transacted, after which President George Morrison introduced Mayor Mahool. The mayor discoursed upon municipal affairs, after which Engineer Lackey gave an interesting stereopticon lecture, showing the new docks and new made streets. President Sems of the School Board also gave an interesting talk on the school question, and the need of better and larger uptodate schools, and urged those present to vote for the loans. F. K. Carey spoke on the proposed improvement of Jones Falls boulevard; his talk was particularly interesting and at times kept the Club in good humor. After the addresses the mayor congratulated the Club on its welfare. Robert L. Graham responded, and a rising vote of thanks to the distinguished visitors was passed. Robert Vincent spoke on the Fall show of the Horticultural Society and judging of the flowers, also on the S. A. F. committee for 1911.

Various Notes

G. A. Lotze, Glenburnie, Md., displayed several vases of attractive 'Mums, including a vase of a yellow sport from Yellow Miller; a vase of white Taft, which was much admired; a vase of Mrs. Lotze, a white; a vase of various seedlings in several colors, and a vase of a sport of Beatrice May.

Blackistone has a nicely arranged window of 'Mums and decorative plants.

R. L. Graham, at his North ave. store, has a catchy window of large 'Mums, with a background of tree foliage.

Christie & Farbet have started business in full swing, and are kept busy; they have had a large wedding on hand hand this week. Their houses speak for themselves as to the quality of their stock.

Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

Please mention the Exchange when writing.

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

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In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

FRANK VAN ASSCHE, Fulton Ave., Rose Ave and Dwight Street
JERSEY CITY, N. J.

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DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST

¾-inch,	per ft.,	15 c.
Reel of 500 ft.,	"	14½c.
2 Reels, 1000 ft.,	"	14 c.
½-inch,	"	13 c.
Reels, 500 ft.,	"	12½c.

Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

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One cent gets our catalog

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,
10 Desbrosses St., New York

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Caldwell Nurseries, - Lowdham, Notts.

European Agents for

THE AMERICAN CARNATION

Please mention the Exchange when writing.

C. Gregorius, of Pimlico, has his stock in fine condition and has a fine lot of cold storage Harrisii Lilies.

The bulb situation among the seedhouses is favorable, stock selling well and some varieties sold out.

BEFORE YOU BUY
GET OUR PRICES
Greenhouse Material
Any Style and Size
The best and cheapest.
WRITE US.
A. C. TOOF
Manufacturer and Dealer
Rhinebeck-on-Hudson, N. Y.
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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 West Broadway
NEW YORK
Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.
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FOR GOOD SERVICEABLE
SECOND-HAND PIPE
with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.
ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel 2225 Williamsburg 68-70 Troutman St.

GLASS
Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Mrs. A. Diedman, 1426 Orleans st., is doing a large business in funeral work and is compelled to work nights until late.

Conroy, the florist, has closed his store on West Franklin st. Charles Conroy ran the business a short time.

J. L. T.

Chester, Pa.

Mrs. E. M. Bartow, 317 Market st., has an ideal location in the center of the business district, and carries a large stock of cut and potted stock. This store did considerable decorative work for the Industrial and Baby parades held recently. Mrs. Bartow gives novelties to her customers bearing an imprint of the store, and believes that this helps business. Jos. J. Edwards, the father of Mrs. Bartow, established this store in 1870.

Chas. P. Muller moved some time ago from 218 to 216 W. 3d st., where he has a larger store and storage room. Mr. Muller opened this store about eight years ago, and has built up an extensive trade in cut flowers, design and landscape work.

M. E. Pierce has installed a Spencer boiler, which requires coal only once each 24 hours. Mr. Pierce grows a little of everything except Roses, and has now a good lot of Chrysanthemums. A good potted plant trade is enjoyed here.

M. H. Bickley started some 15 years ago to grow bulbs, and this year will force nearly 200,000 of the best varieties obtainable. One is assured that they are the best when Mr. Bickley pulls out his note books showing bulb records for each of the past 15 years, with data on every variety obtainable. His one house has done more for him than many another larger house has or could do for its owner. Some very nice 'Mums are being grown here for local wholesale trade.

P. M. R.

New Bedford, Mass.

Trade has been rather dull the past week. Flowers are quite plentiful. Carnations of fine quality are to be had. 'Mums are in full swing, selling at $2 to $2.50 per doz., retail. Violets retail fairly well at 75c. Some nice Snapdragons are seen at 75c. per doz. A few Sweet Peas are coming in; $1 per 100, retail, is the price.

We have had no killing frosts as yet, and Dahlias and other outdoor flowers are still in full bloom. We have had one or two good rains recently which have helped somewhat.

A. B. Hathaway is cutting some nice Sweet Peas at his Court st. place. S. S. Peckham will have a nice batch of Poinsettias for the holidays. Peter Murray of Fairhaven has a nice house of Snapdragon; his place is looking in fine shape for the coming season.

We are having great weather here, with the days warm and the nights cool. R. H. Woodhouse is cutting heavily of 'Mums and Carnations. Wm. P. Peirce is cutting some of the finest 'Mums seen around here. E. H. Chamberlain reports a good call for nice grown plants of Araucarias.

The second meeting of the creditors of J. H. Cleary, florist, was held Oct. 19; some new claims were allowed and the next meeting will be held early in November.

E. G. Davis is making a specialty of Whitmani and Boston Fern fronds; he has a large shipping trade.

HORTICO.



Please mention the Exchange when writing.

NOW IS THE TIME TO USE
DREER'S
Peerless Glazing Point
(Improved Van Reyper Perfect)
Made of Galvanized Wire and Will Not Rust
This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with
BOTH BEVELS ON SAME SIDE
A point made on any other principle will twist in driving and cramp or crack the glass. **Dreer's Peerless Glazing Points** will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c. postpaid. 5000 points by express for $2.75.
IF YOU ARE BUILDING
Let us know the thickness of glass you intend using and we will send samples of the size point needed.
HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.
Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.
NEPONSET, Boston, Mass.
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DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

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CHICAGO
906 E. Blackhawk St.

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GREENHOUSE BUILDER
HEATING AND VENTILATING
IDEAL GREENHOUSE BOILERS

Materials Furnished or Erected

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THE AUTOMOBILE AND THE GREENHOUSE

What has one to do with the other? you ask. Both are a necessity; both yield more pleasure and profit than almost any other equal investment. The automobile has become a fixture with up-to-date people. The greenhouse has for years been a permanent part of the estates of these people. Both are products of live people who are live wires and insist on having live things. So what is more natural than that our greenhouse should join hands with the garage and tie up together for life We have been doing a lot of this lately. It saves space, costs less, and one boiler heats them both.

Had you thought of these advantages?

Send for our catalog. It tells all about the combination shown, as well as others. Or we will gladly send you several photographs.

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Greenhouse Material Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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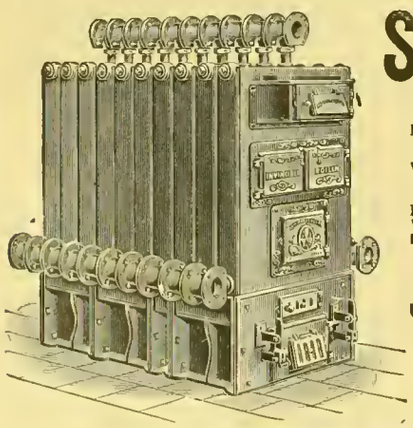

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ARE BEST

For Greenhouse heating. Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

It will pay you to get our special quotations. We also contract for and erect **Steam and Hot Water Heating** apparatus in all parts of the country.

Illustrated catalogues free on application

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U. G. SCOLLAY, Manager

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GLASS

Repair Season Here
We Have the Stock
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CHICAGO, ILL.

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K·I·N·G

Means quality as to design, material or workmanship in GREENHOUSE CONSTRUCTION. Our Semi-Iron Houses meet every strain a greenhouse is subject to and our Iron Frame Houses are the best yet produced.

Send for our Bulletins

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

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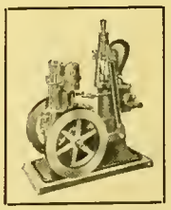

NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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A. HERRMANN

Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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THE PRICES ADVERTISED FOR THE TRADE ONLY

Reports of Am. Chrys. Society and Other Exhibitions of the Week

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a oigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 19 NEW YORK AND CHICAGO, NOVEMBER 5, 1910 One Dollar Per Year

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value; plants that will please the most critical buyers both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never snowing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, $20.00 per 100; 6-in., $6.00 per doz.; large specimens in 12-in. pans, $3.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, $25.00 per 100; 6-in. pans, $6.00 per doz.

Nephrolepis superbissima Very distinct and popular. Fine plants, 6-in. pans, $6.00 per doz.

Nephrolepis Scholzeli Fine plants, 3½-in. pots, $20.00 per 100; 6-in. pans, $6.00 per doz.; 8-in. pans, $12.00 per doz.

Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per doz.

Nephrolepis Scottii 8-in. pans, $12.00 per doz.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cytomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

For Special Offer of BULBS, see page 813.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

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A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants	$0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants	.50 each, 6.00 per doz.
7-inch pans, strong bushy plants	.75 each, 9.00 per doz.
8-inch pans, strong bushy plants	1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE
5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50 each.

COCOS WEDDELLIANA
3-inch pots, $15.00 per 100.

FICUS PANDURATA
6-inch pots, $1.00 each.

JERUSALEM CHERRIES
Short, stocky plants, $2.50 per doz., $20.00 per 100.

GARDENIAS
4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS
5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE
4-inch pots ..... $30.00 per 100, $250.00 per 1000.

ASPARAGUS SPRENGERI
2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS
2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS
$15.00 per 100.

2000 HYDRANGEAS
3-inch pots, $5.00 per 100.

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Hydrangea Otaksa

One to two shoots..... $6.00 to $10.00 per 100
Three to five shoots..... 15.00 to 20.00 per 100

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Azaleas

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.60 per bundle; $27.50 per 1000.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

CASE LOTS AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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GERANIUMS

We have an immense stock ready for shipment. 250,000 in 3-inch pots, and good Standard Sorts, at $3.00 per 100, $25.00 per 1000. 200,000 in 2-inch pots, at $2.00 per 100, $18.50 per 1000.

Our New Descriptive Catalogue will be ready about December 1st, and will be the most complete ever issued. Price list is now ready for all who ask for it.

COLEUS **BRILLIANCY.** This variety belongs to the Giant-Leaved Section; of strong, vigorous habit, growing from 2 to 3 feet high, with leaves often 9 to 10 inches long, which are of a bright carmine, shading off to a deep maroon, the margins being yellow and green, the whole leaf having a rich, velvety lustre. $4.00 per 100, for plants from 3-inch pots.

	2 inch Per 100	3 inch Per 100
COLEUS, In Standard Sorts	$2.00	3.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2 00	3.00
LANTANAS, Assorted	2.00	3.00
DOUBLE PETUNIAS, Mixed Colors	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 823



THE POINT IS THIS

On the following Bulbs we are allowing a discount of 10% off for cash.

	100	1000
CALLAS, 1½"-2"	$7.00	
OXALIS, Buttercup	1.00	$8.00
LILIUM Auratum, 8-9	7.00	
Giganteum, 7-9	7.00	65.00
Candidum, 22 cm.	5.00	
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
FREESIAS, Selected	.75	6.50
Mammoth	1.25	9.00
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Keizerskroon, red and yellow	1.25	10.50
Queen Victoria, white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS	2.00	
DUTCH HYACINTHS, Single in colors	2.25	20.00
Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS	1.60	14.00
NARCISSUS, Paper White Grandiflora	1.25	9.00
Von Sion, Single, golden yellow	1.00	9.00
Von Sion, Mammoth Double Nose	2.25	18.50
Double Roman	1.15	9.00

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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Heinemann's Seed Novelties

1911

To the Trade only

MY LIST of the BEST NOVELTIES and SPECIAL LIST will be sent on APPLICATION.

SEEDS of MY NOVELTIES and SPECIALTIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES.

SEED NOVELTIES For 1911

NEW GIANT-FLOWERED VERBENAS in splendid mixture. (See engraving)

DIANTHUS HEDDEWIGI MARGINATUS. SINGLE JAPAN PINK "Silver-edged."

PAPAVER somniferum Single Poppy "Black Prince."

GLOXINIA hybrida crassifolia crispa "Waterloo."

NEW EMPEROR Salpiglossis "Purple Violet with Gold."

F. C. HEINEMANN

Seed Grower

ERFURT, Germany

Please mention the Exchange when writing.

To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well rotted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse.

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co.

50 Barclay St. NEW YORK

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15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

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Pansy **World's Fair Strain,** Giant Flowers, fine, stocky, field-grown plants, **$3.00 per 1000.**

Ferns Pot-grown, **Boston, Pierson, Whitmani** and **Amerpohli,** 2½-in. **$4.00** per 100; from 4-inch **$15.00** per 100 Cash or to exchange for **Cineraria, Primula Chinensis Obconica** and **Carnations,** true to name.

SHELLROAD GREENHOUSES. **Grange, Baltimore, Md.**

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Contract Seed Growing—Crop of 1911

Before placing your orders for **RADISH**

SOUTHERN GIANT CURLED MUSTARD, etc., etc.

elsewhere, ask for my contract prices for these seeds.

Special low prices for large quantities. Write for particulars and terms, direct to

HOMMO TEN HAVE, WHOLESALE SEED GROWER Scheemda, Holland

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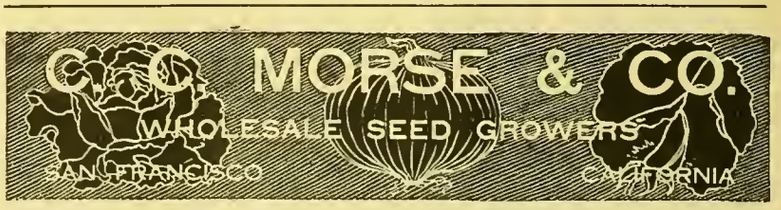

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Highest Quality

SINGLE NARCISSUS

	Per 100	1000
Incomparabilis, yellow	$0.75	$6.00
Leedsii and Mrs. Langtry	.75	6.00
Poeticus (Poet's Narcissus)	.60	5.00
Poeticus Ornatus	.75	6.00
Princeps	.80	7.00
Trumpet Major (Van Sion)	.90	8.75
Paper White Grandiflora, fine bulbs, 13 cms. and over, per case (1250 bulbs) $10.75	1.00	8.75
Single Mixed. A fine assortment	.75	6.00

SINGLE TULIPS

	Per 100	1000
Artus, scarlet	$1.00	$9.75
Crimson King	1.25	12.00
Cottage Maid, pink	1.00	8.75
Chrysolora, yellow	.90	7.00
La Reine, white	.90	7.50
L'Immaculee, white	.90	7.50
Yellow Prince	.85	7.75
Rainbow Mixture, extra quality	1.00	9.00
Fine Mixed	.75	6.00

DUTCH HYACINTHS

	Per 100	1000
Single, Named, the best varieties for forcing or bedding	$4.00	$38.00
Single, separate colors, for bedding	2.25	20.00
White Romans (French) 12-15 cms.	2.25	20.00

CROCUS

	Per 100	1000
Named Sorts	$0.60	$5.00
Mixed	.35	3.00

Write for complete Bulb List.

JOHNSON SEED COMPANY
217 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

PRIMULA KEWENSIS
Extra strong and fine, $4.00 per 100.

XXX SEEDS

Gaillardia. Grandiflora, hardy, Burbank's Latest Improvement, giant flowers, brilliant colors, pkt. 25c. Grand.

Shamrock True Irish Green, sow this Fall, packet 25c.

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 500 seeds, $1.00, 1000 seeds. $1.50.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum. Finest Giants Mixed, 200 seeds $1.00; ½ packet 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

$ Need Money, Need Room $ For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.
NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.
ROMAN HYACINTHS, 12-15 ctms., $23.00 per 1000.
LILIUM Harrisii, 7-9 inch, $8.00 per 100.
Special low prices on DUTCH BULBS, BOXWOOD, BAY TREES, etc.

F. W. O. SCHMITZ, Prince Bay, N. Y

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Novelties in Flower Seeds for 1911

Descriptive List Free on Application.

FREDRICK ROEMER
Seed Grower, QUEDLINBURG, GERMANY

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.
LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.
PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

LILIUM HARRISII
(TRUE TYPE)
Extra size 7-9 inch circumference, $8.00 per 100 bulbs; $15.00 per case of 200 bulbs.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street, NEW YORK

Please mention the Exchange when writing.

Thorburn's Bulbs

For Florists for forcing at low prices, in cases only.

PAPER WHITE GRANDIFLORUS NARCISSUS, 13 cent. and up, $7.50 per case of 1000 bulbs. A few cases left.
LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.
LILIUM FORMOSUM. 7/9, 250 in case at $5.50 per 100.
Also, LILIUM HARRISII, all sizes, send for prices per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Oct. 24.—H. Nungesser & Co., 315 bbls. Grass Seed; Thorburn & Co., 30 bbls. Grass Seed; Rooney & Spence, 1 case plants; Maltus & Ware, 3 cases plants and Roses; Hussa & Co., 9 cases plants; E. H. Harkness, 1 box plants; F. B. Vandegrift & Co., 7 cases bulbs. Oct. 25.—Lunham & Moore, 14 cases Mushroom spawn, 10 cases plants; E. P. Stahel, 2 cases plants; E. R. Kohl, 30 cases plants, 132 packages plants and trees; McHutchison & Co., 3 cases plants; J. Scott, 4 cases plants; Van den Aberle & Bouquet, 5 cases plants; H. F. Darrow, 31 cases plants; Smith & Bolzenthal 34 cases plants. Oct. 26.—R. M. Ward & Co., 121 packages plants and trees; F. B. Vandegrift, 28 cases plants; Maltus & Ware, 232 packages plants and trees; W. H. Allison, 4 cases plants; Julius Roehrs Co., 3 cases plants.

European Notes

There is very little that is new to report this week, beyond the fact that Onion crops are turning out much worse than our lowest estimates and prices have accordingly risen in sympathy.

Some of the fancy exhibition varieties, with large thick scales, are not yielding more than one-tenth of a crop, and even the hardier sorts such as yellow and brown Strashurg have not produced more than one-half. Growers of this article are naturally much discouraged and as the prices now paid for the bulbs in the vegetable markets are fairly remunerative it is probable that a much smaller acreage will be planted next season. The white Lisbon Winter Onion, which is grown so largely in the south of France, is now practically out of reach as its principal use is for bunching purposes.

As regards Carrots, the shortage previously reported is, perhaps, more acutely felt in the varieties used for cattle feed, particularly the yellow and white. Trade in the last named has been rather slack for a year or two and growers have, consequently, reduced their acreage. Now that the demand is increasing again the shrinkage becomes more apparent.

Cauliflower appears to be an exception to the general rule, and the majority of the growers report full average crops. Prices of the commoner varieties will be a shade easier than last season.

If your business demands a good article in Lily bulbs, you cannot do better than to buy Horseshoe Brand bulbs. If you just want cheap bulbs, don't write us, because we really don't want your order; but if you want a good article and are willing to pay for it, we want your business.

Our November prices are as follows:

FORMOSAS

6x8 inch, $20.00 per case of 400 bulbs.
7x9 inch, $21.00 per case of 280 bulbs.
8x10 inch, $21.60 per case of 240 bulbs.
9x10 inch, $21.00 per case of 200 bulbs.

MULTIFLORUM

7x9 inch, $16.50 per case of 300 bulbs.
8x10 inch, $16.25 per case of 250 bulbs.
9x10 inch, $17.00 per case of 200 bulbs.

GIGANTEUM

6x8 inch, $20.00 per case of 400 bulbs.
7x8 inch, $22.75 per case of 350 bulbs.
7x9 inch, $22.50 per case of 300 bulbs.
8x10 inch, $25.00 per case of 250 bulbs.
9x10 inch, $22.00 per case of 200 bulbs.
9x11 inch, $21.60 per case of 180 bulbs.

F. o. b. New York, Cincinnati or Chicago. For cash with order during November we will allow 5% discount. Order now for delivery from Cold Storage during 1911. Catalog free.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Fimbriatum Carmineo—Marginatum	8.00	1.00
Glory of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman **HOBOKEN, N. J.**

Please mention the Exchange when writing.

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red - - -
Pure Pink - - -
Pure White - - -
White, with Dark Eye
} 60 cents per 100 / $5.00 per 1000

Salmoneum - - - 75c. per 100 $7.00 per 1000
Ruhm von Wandsbeck, (PRIDE OF WANDSBECK) The best growing salmon sort, $1.00 per 100; $9.00 per 1000.
Fimbriatum carmineo marginatum, white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Monf Blanc** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.
Large-Flowered-Prize. Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Stokes Seeds Philadelphia BULBS

CUT PRICE TO CLEAR

NARCISSUS—Paper White Grandiflora. Fancy Grade—1250 to case, $7.00 per 1000.

	Per 100	Per 1000
WHITE ROMAN HYACINTHS, 12 to 15 ctms. 2000 to case		$18.00
TULIPS, Belle Alliance	$1.80	16.00
" **Keiserkroon**	1.25	11.00
HYACINTHS, Bedding, 17 ctms. Blue, Red, White, separate	2.25	20.00

STOKES' SEED STORE, 219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers **Baltimore, Md.** Established for 92 Years

Please mention the Exchange when writing.

Dahlias and Cannas

I am overstocked on many standard varieties of **Dahlias** and **Cannas.** Florists and dealers, please send for List of Sorts. My prices are right.

DeWITT HOUSE, Florence, S. C.

Please mention the Exchange when writing.

The expense of lifting the roots of the long varieties of Parsnips has led to some very useful work being done in developing a shorter variety that would produce a sufficiently large root, which could also be easily lifted. The old early round variety is very unsatisfactory in this respect, and the short pointed variety sold by Sutton and Webb in England, while very pretty and clean, is also much too small for market gardeners, but the Offenham intermediate, raised in the vale of Eversham, appears to "fill the bill" exactly. When fully developed it grows about one foot in length and carries an immense shoulder, composed of very tender flesh. It is a most desirable variety in every respect, but especially for shallow soils that are well cultivated. It has the true hollow crown with a correspondingly small core.

Some further notes on very useful novelties are held over until next week.

Geo. H. Dicks reached London per S. S. Mauretania on Oct. 17.

EUROPEAN SEEDS.

American Notes

Bulb Trade Continues Steady

The writer has expected with each succeeding week to be able to report that sales of Dutch bulbs, especially at retail, had assumed larger proportions; but the continued warm weather, which certainly stays with us most persistently in practically all sections, has not as yet allowed of anything, on the average, but steady trade, in the bulb line. Nevertheless, this steady bulb trade has continued so long that there are very few surplus stocks with any seedsman or dealer, and indications now are that the end of the season will reduce bulb stocks to a lower point than for several seasons past.

Other lines of sundries with the seedsmen are selling particularly well and need little mention.

Named Varieties of Bulbs

The trade the last two or three seasons has been noting that a gradual change has been taking place regarding the varieties of Dutch bulbs mostly in demand with the retail, or over-the-counter trade, so to speak. A tendency to plant more named bulb varieties all through the list of Holland stock and less mixtures has been shown. This is no doubt explained by the fact that each succeeding season sees bulb planters better posted along the line of color effects which, as stated, is having a tendency to turn many customers who, in the past, have always purchased mixtures, to the named varieties. This change is well worthy of consideration by those seedsmen and dealers who handle bulbs, and the writer feels that it will become more and more marked in the future. Our customers are studying color effects more than they have ever done before, and know what special varieties they wish along certain lines, and demand them. Especially is this true of Hyacinths and Tulips, although the same thing is extending to all other varieties of bulb stock.

Garden Seeds for 1911

Many times during the last three months, in these notes, the writer has urged all dealers who handle seeds, either in a large or in a small way, to supply themselves with their needs for their sales of 1911, and to do so just as soon as they possibly can. As the days advance this advice is even more deserving of being followed than it was two or three months ago, for certainly the great number of shortages developing in every line of seeds will make it extremely difficult to later in the season secure an adequate supply of seeds for customers. As has been already stated, the shortage of good stocks of seeds of many sorts of the new

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

S & J Lilium Multiflorum

7/9	$50.00 per 1000.
8/10	75.00 "
9/10	85.00 "

Lilium Giganteum

7/9	$62.50 per 1000.
8/10	90.00 "
9/10	100.00 "

Case lots of both sold at 1000 rates.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O Box 1697 N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

Narcissus Paper White Grandiflora



FANCY GRADE
1250 to case.....$8.50 per 1000

REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.00 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$65.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

6-7 in.....$50.00 per 1000
7-9 in..... 75.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size..	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store
New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

crop is a real calamity, and when Spring opens in earnest many of us will not know which way to turn to supply our trade. Consult the wholesale seedsman just as soon as possible and arrange for next Spring's needs in both flower and vegetable seeds. The sooner this is attended to the lower the prices obtainable and the better orders will be filled the coming year. V.

New York Seed Trade

The bulb business still continues very good, especially in a retail way, although the expected cooler weather which has been so long hoped for to start real retail counter activity has not as yet materialized.

The strike of the express companies' employees has, in the past week, been retarding all lines of business considerably, and when this disturbing factor, Election Day next week, and the warm weather are taken into consideration the steady, fairly good trade which the seedsmen are having is considered most satisfactory.

Arthur T. Boddington made an elaborate display of bulbs, seeds and seedsmen's sundries at the Morristown (N. J.) exhibition held this week, Nov. 2-4. Mr. Boddington feels that good trade displays at the larger horticultural exhibitions are most excellent advertising, and he certainly stages his own trade exhibits in excellent shape.

The Stumpp & Walter Co. also made an attractive display at the Morristown exhibition. Their display included bulbs, seeds and horticultural sundries.

Wm. Elliott & Sons are meeting with large sales of Lilium Harrisii bulbs, of which they have some very fine stock in all sizes.

John L. Russell, of the A. T. Boddington force, who has been taking a two months' vacation at his home in Belfast, Ireland, returned last week.

Vaughan's Seed Store reports sales particularly good, at retail, of Chinese Sacred Lilies.

Peter Henderson & Co. have, at their store entrance, a large thermometer, some three feet in length, which is proving quite a feature. It is noticed that hundreds of passers-by keep themselves well posted regarding the temperature.

Philadelphia Seed Trade

It might be deviating just a shadow from the exact truth to say the seed trade proper has now reached the season when it is "as dead as a door nail," a comparison, by the way, which still sticks in our language though the article named therein has nearly passed out of use.

Ask Mr. Sherry at Johnson's Seed Store why he still has the store men carry out those two bushel bags of Wheat, Rye and Spinach and place them in front of the store each morning, and he will assure you that there are some late plantings of Wheat and Rye, and that, about Philadelphia, in very open seasons, Spinach is sometimes sown up to Christmas time; but he turns the conversation deftly away from seeds, and tells you of what really is happening more frequently now, namely counter sales of bulbs, and enlarged sales of poultry supplies, and inquiries about Cyphers incubators.

Walter P. Stokes is found this (Monday) morning looking over his photos, trying to find one of a California Privet hedge, probably for use in the new catalog; failing in his search he himself will take a photo of one of the finest hedges in this country, on his own estate. Mr. Stokes has an extremely large collection of remarkably good photos pertaining to horticulture. A photo of a field of hard shell Kleckley Sweet Watermelons, with one in the center of the patch cut in halves, is so beautifully taken that it makes one wish that he was a boy again, and that Mr. Stokes with that keen eye of his was out of the center of the field for just a little while. A photo of a Stokes' Sugar Sweet Muskmelon cut in halves and shown on a platter is equally good.

Among the callers at the store of the Moore Seed Co. this week were Marshall H. Duryea, representing Henry Nungesser & Co., New York City, and I. L. Radwaner, representing R. Leipmann Sons, New York. Mr. Moore is also in receipt of an announcement that the Horticultural Chemical Co. of this city is a successor to the Target Brand Co., Martinsburg, W. Va., and Chester County Chemical Co., West Chester, Pa. The Horticultural Chemical Co. is a manufacturer of

A Few Specialties in Bulbs

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Princeps, extra large double-nosed bulbs	9.50
Van Sion, Double, first-sized bulbs	9.00
Poeticus Ornatus, extra large double-nosed bulbs	7.50
Paper White Grandiflora, 13 ctm. and up	9.00
Orientalis (Chinese Sacred Lilies), casket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	**Keizerskroon**	$10.50
La Reine	8.00	**Mon Tresor**	11.50
Prince of Austria	12.00	**Rose Luisante**	14.50
Rose Grisdelin	8.50	**Vermilion Brilliant**	18.50
Thomas Moore	8.00		

	Per 1000
Single Finest Mixed, all colors, for bedding	7.50
Couronne d'Or	14.00
Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz	10.00
Salvator Rosa	14.00
Gesneriana Spathulata, the true Gesneriana, the finest of all late Tulips	9.50
Double Finest Mixed, all colors for bedding	8.50

HYACINTHS

Our stock of these will be found exceptionally fine.

	Per 1000
Fine Named, our selection, best sorts. (For list of varieties, see wholesale list)	Per 100 $4.00..$35.00
Separate Colors, Single, pink, white and blue	20.00
Miniature, Chas. Dickens and Moreno	20.00
White Roman, selected bulbs, 13-15 ctm	25.00

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips.....$8.00 Case containing 1000 pips.....$16.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum multiflorum, case 300 bulbs, $13.50.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
CROCUS, finest named varieties, $5.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Gladstone,** $9.50 per case; **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. Pierson Co.
TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

Florists Obtain Better Values
WHEN THEY BUY

Michell's "Distinctive" Quality

AN EXCEPTIONAL OFFER FOR THIS WEEK

NARCISSUS

SINGLE GOLDEN SPUR, $1.65 per 100; per 1000, $13.25.
DOUBLE VON SION, $1.35 per 100; per 1000, $12.00.
These are bulbs of selected size and in perfect condition.

Henry F. Michell Co.
518 Market Street, PHILADELPHIA, PA.

518 NOTE OUR NEW NUMBER

WE HAVE REMOVED TO OUR NEW MAMMOTH BUILDING
518 MARKET STREET

Please mention the Exchange when writing.

COCOS SEEDS
Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Braziliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lepid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneti	1 50	12 00
eriospatha	1 50	12 00
Garlneriae	1 50	12 00
Blumenalr	1 50	12 00
humile	1 50	12 00
odorata	1 50	12 00

MacRORIE-McLAREN CO.
711-714 Westbank Building, San Francisco, California
NURSERIES, SAN MATEO, CALIFORNIA — SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

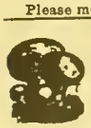
Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO — 84 RANDOLPH STREET
NEW YORK — 25 BARCLAY STREET

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark — American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

Violet Culture
Price, $1.50 Postpaid
A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

Gorgeous Iris
FOR FALL PLANTING

GERMAN	Per 1000
HONORABLE. Intenee yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue pencilling	25.00
PARKMANI. Uprights pure lemon; falls white veined purple	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double	
GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00
Single	
APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Prices Advertised for the Trade Only

10,000 Governor Herrick Violet Clumps
Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

5,000 GOVERNOR HERRICK VIOLET PLANTS
Strong, Healthy Stock; $3.00 per 100, $25.00 per 1000
Cash with Order.

NIKOLAUS HOFMANN, NANUET, (Rockland County), N. Y.

Please mention the Exchange when writing.

insecticides, fungicides and plant foods. The announcement is presented by F. G. Roberts, the company's representative.

The moving of the H. F. Michell Co.'s business from 1018 into its palatial new store at 518 Market st. has been completed. The Philadelphia daily press has given the new store many favorable comments, and speaks of a report that free lectures at this store on horticultural and floricultural subjects will be inaugurated in November. This company has been appointed distributor for the wonderful new ruffled Gladiolus, originated by Kunderd, of Goshen, Ind.

The continued beautiful weather enables the King Construction Co. to push the work on the Henry A. Dreer greenhouses at Riverton, N. J. At the Chestnut st. store the filling of orders for Peony roots, bulbs and small nursery stock is now the chief feature.

Boston Seed Trade

The seed houses of Boston all report a good bulb business this Fall, although it has been rather erratic, owing to the mild and dry weather; in fact, people have put off buying bulbs until rain came. Now, however, the season has become so late that they have to buy the bulbs anyway, and a rushing business has been done for the past two weeks. With a shortage of 22 ins. of rain during the season the ground is dust dry.

R. & J. Farquhar & Co. report an unusual demand for named Hyacinths. The demand for Cottage and Darwin Tulips has doubled since last year. People are beginning to realize the fine qualities of these late Tulips and are planting in large quantities. The sales of Grass seed have not been as good as last year; the dry weather has materially injured trade this Fall but a very large business is expected next Spring. Their nursery business has been very large this Fall, and their landscape department is making large inroads on their stock, in fact they have more business in that department than they can take care of this Fall.

Joseph Breck & Son report a fine business in bulbs; especially they have found a great demand for Narcissi for naturalizing, and also a demand for named Hyacinths. They have had a good demand for Grass seed and Winter Rye, and large orders for hardy Lilies, but their business in Lilium Harrisii has decreased materially.

Thomas J. Grey & Co. report quite a large increase in business this Fall, and have also added many new customers since A. F. Barney and J. M. Gleason, formerly with the Schlegel & Fottler Co., have joined the concern. They have had a large demand for Narcissus Poeticus for naturalizing and Cottage and Darwin Tulips have sold well. Grass seed sold fairly well.

Thomas Grey was a visitor to the Lenox Fall exhibition, and thinks the gardeners are excellent growers and their products are as good as any that can be seen anywhere in this country. The vegetables were remarkably fine and well arranged. He says that it was remarked that certain seedsmen placed their cards liberally on exhibits, crediting themselves with the fact that these fine vegetables were grown from their seed, when it was well known that the seed came from other well known seed firms.

W. Russell, formerly with the W. W. Rawson Co., has engaged with Arthur T. Boddington of New York.

The Fottler, Fiske, Rawson Seed Co. has a grand display of bulbs in its large show windows, and reports a very good business in bulbs and other supplies.

R. C.

Dallas, Texas

We notice in your issue of October 22 you mention that our warehouse was destroyed by fire Oct. 8. We wish to advise that this was only a small auxiliary warehouse where we had a few cars of cotton seed stored. Our four-story warehouse, where our offices, etc., are located, also a five-story warehouse where a large part of our seed stocks are stored, were not damaged by fire in any particular. We would like you to kindly mention this fact as some of the trade might suppose our general warehouses had been destroyed.

THE TEXAS SEED & FLORAL CO.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.
PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

EIGHT THOUSAND
Violet Plants
Healthy, Field-Grown Plants
LA FRANCE, $5.00 per 100, $45.00 per 1000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

Violet Plants
Doubles all sold, but have several thousand extra fine plants of LA FRANCE left, at $5.00 per 100.

RICHARD LANGLE
North Street — WHITE PLAINS, N. Y

Please mention the Exchange when writing.

CALIFORNIA VIOLETS CHEAP
Strong, healthy, field-grown clumps (none better), to close out, $3.00 per 100, $25.00 per 1000. Well packed to carry safely. Satisfaction guaranteed.

CHARLES BLACK, FLORIST AND NURSERYMAN
HIGHTSTOWN, N. J.

Please mention the Exchange when writing.

That Los Angeles Interview

Editor The Florists' Exchange:

As a considerable amount of misunderstanding exists respecting the interview with myself which was copied from the Los Angeles Express into the pages of The Florists' Exchange, and has since been copied by several of the trade papers in England, I shall esteem it a favor if you will allow me space to say that I did say some of the things as they appear, others I said differently, and others I did not say at all, while some of the most important statements made by me in a short and very hurried interview were not printed. Further, that the reported interview did not appear in your pages as the result of any action on my part, for I was not aware of the fact that you knew of the existence of the article in question until when printed it was brought to my notice by friends on your side.

S. B. DICKS.

Lily of the Valley—Cold Storage

$15.00 per 1000, $1.75 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.

The Week's Work

BY FRITZ BAHR

Bulbs for Outdoors

Now is the Proper Time to Plant Them

When November is in sight it matters but little whether we have had a good frost or not; the Canna, Geranium and Salvia beds begin to look forlorn irrespective of how the sun may warm up things during the noon hours. The proper thing now to do is to clear the decks and get ready for planting the beds with Spring flowering bulbs, such as Tulips, Hyacinths or Narcissus. Here, as in all other lines, it pays the florist to send out to his customers "a reminder." I, personally, have found this absolutely necessary, even with customers whose flower beds we have had to plant out every season for the last sixteen years; they, like ourselves, have so many things to think of and attend to that the planting of bulbs isn't recalled to their minds until the first Crocuses or Snowdrops bloom on their neighbors' lawns. I am sure there are but few of us who haven't occasion every Spring to regret not having called the attention of certain customers to the planting of bulbs in a previous Fall before. It matters little how many thousands of bulbs you may have on hand, or how long you have done business at the old stand; in order to continue to get your share, advertising of some sort is essentially necessary. If the sale of the bulbs alone is to be considered, the profit is but very small; but when it comes to preparing the beds or borders and planting the bulbs a better price can be obtained. In preparing the soil avoid heavy manuring near the surface, the bulbs should not come in contact with manure, fresh manure especially. The ideal place for Spring flowering bulbs, to my mind, is not in formal beds, laid out in all sorts of designs but rather when planted in clumps along the edge of an irregular shrub bed, or along or between the perennials; in such places, if the varieties are selected so as to have a succession of bloom for a few weeks—for instance, by planting say a clump of 25 bulbs of Belle Alliance Tulips a few feet away from them by a mass of Mme. de Graaf Narcissi, and near them a mass of Gesneriana Tulips—you have flowers for at least six weeks, without the early sorts, when through flowering, interfering with those in bloom, and, usually, the bulbs here are not in the way as they are in a formal bed or border which is to be planted with Geraniums for the Summer months—however if your customer wishes to have the bulbs planted in formal beds let her have them—the main thing after all is to get the order.

Tulips for Outdoors

A Few Splendid Varieties for this Purpose.

While practically all of the varieties we force among the Tulips, Hyacinths and Narcissi are also adapted for outdoor blooming, there are certain Tulips, perhaps the most inportant of all the outdoor varieties, with which the average florist has but little to do inside. I have reference to the late flowering sorts, also known as "old English cottage garden Tulips." There isn't anything more brilliant than these for bedding purposes. They do well in almost any soil, from the best garden compost down to blue clay, will produce good flowers for several years, and from the time the flower opens until the petals begin to drop often three weeks and more pass. You cannot say that of any of the early sorts, nor have you in them any which are to be compared with the rich, golden flowers of great size of a Bouton d'Or, nor anything better than the red of Gesneriana spathulata (major), and the delicate rosy white of that charming sort, The Fawn. Plant any of these along the edge of a shrubbery bed; when in bloom with a foreground of green turf and backed up by shrubs, if they don't make things attractive nothing will. If you have a surplus of bulbs on hand, plant them on your own grounds, in 5 ft. to 6 ft. wide beds. Have things ready next Spring to cover those beds with sash, not so much to bring them sooner into bloom as to hold them back a little by applying shade. A few thousands of either The Fawn, or La Candeur, with a percentage of yellows and reds, is bound to be a paying proposition with any retail grower. You are liable to be short around Memorial Day, the early Tulips and the Narcissi have all gone. When the stock in the beds begins to show color, with the aid of sash and shade frames you can either push or retard the plants coming into bloom a few days at least, and while there are several dozens of good varieties, those mentioned are the cream of them—and that is all you want.

The Carnations

Cultivation an Important Factor with the Plants Inside

We are entering upon Winter conditions with the plants. Good flowers and long stems, which from now on improve with each day, are due to having the plants thoroughly established in their present quarters. Keeping the plants clean from any decayed or yellow foliage, cultivating lightly but often, and timely disbudding are the main duties now; these, and proper supports for the flowering stems are all necessary. You want every particle of sunshine that is to be had to get to and between the plants, and that is only possible when the stock is properly supported. In cultivating it isn't a matter of finding out how deep one can get into the soil, there is nothing gained by that, but rather harm done if the fine new roots are near the surface; but by going over the benches lightly, in order to allow air and sun—to let the soil breathe, so to speak—is of the greatest benefit. To keep the soil sweet is of great imporance, for we have only begun with the plants indoors; most of them are expected to remain in this soil until late next Spring. Over-watering and lack of cultivation will sour soil in a very short time, and the result will be diseased plants, and that means poor flowers; while, on the other hand, if a good, sweet soil can be retained, many other minor troubles can soon be overcome; and as the days grow shorter and shorter watering and cultivation become more and more important—both demand careful attention.

Begonias

Storing the Tuberous Rooted Sorts, and Stock Plants of Erfordii

There is the tuberous rooted section of Begonias and the others we propagate through cuttings, and which we use for bedding purposes. The tuberous rooted ones, if taken up carefully and laid somewhere on a sunny bench or shelf for several weeks, will be ready to have their tops removed and stored away in dry sand in shallow boxes or flats on a dry shelf. They will keep nicely and such bulbs can be started into growth long before the European ones arrive; and if started early enough this class of Begonias makes the very best of Easter plants, for which purpose I would want to get busy about the first week in January. Among the other bedding Begonias there is that old standby—Erfordii. With all the newcomers in the semperflorens section it is still one of the very best bedders, and, while it can be grown nicely from seed, we have for years propagated it through cuttings. As soon as the frost has killed the tops we lift a good number of plants, they are cut back to about 3 ins. from the ground and planted in flats, not too closely, where they remain in a Carnation house until January. If placed in a little higher temperature from that time on, the plants will, in a short, time, furnish great quantities of fine cuttings. Far more Begonias should be made use of as bedding plants by the average florist. They can be successfully grown almost anywhere where one can grow Geraniums; and while the Erfordii and the Vernons do nicely in the full sun, the tuberous rooted ones do best when just a little protected from the hot rays of the midday sun.

Stocks

Good to Follow the Chrysanthemums.

Stocks form ideal material to fill up vacated Chrysanthemum benches; for the small grower in particular they always turn out to be a paying crop. They, like the Sweet Peas, Anthirrhinums and Pansies, do best in a house where the thermometer keeps below 50°. By the time they bloom your customer has had Carnations and Roses just long enough to be ready for a change—and what wonderful decorative flowers indoor grown Stocks furnish! The whites and light shades of blue and pink can be used for so many purposes, and, for keeping there is nothing to equal them. Stock from 2½ in. pots planted out now, about 12 inches apart each way, will grow into large blooming plants by March, and should be in the very best of condition by Easter, at which time there is a great demand for them. Of the varieties used for indoor growing, Beauty of Nice is perhaps better known than any other; its color is a charming flesh pink. This sort should be pinched back so as to force the plant to branch out; it differs in this respect from other varieties, and if left alone will grow up straight and forget to send out branches. In the whites, Prince Bismarck is, perhaps, the grandest, the flowers of a glistening white and enormous size, well worthy of a trial. In the light blues, or rather lilacs, Queen Alexandra fills the bill. There are fine reds, but when only a few plants are grown I should advise sticking to two, or not over three sorts. Pink and white are always the principal colors; there is a call for them when there isn't for blue and red. It isn't even too late now to sow out seed of Stocks; while this will not get you plants to bloom as early as 2½" stock on hand now, they are bound to come handy no matter when they bloom. Sow the seeds in flats, in light soil. When the seedlings are large enough to handle, pot up into 2½" pots. The little plants when once planted out and established will soon develop into big bushes. They are not particular as to the soil, but a good fibrous loam, to which is added a liberal amount of well decomposed cow manure, seems to answer nicely. Avoid too deep planting and overwatering, for it isn't pleasant to get stem rot into the bench.

Spiraeas

Two Great Varieties, Every Florist Should Grow

You may have overlooked the ordering of some Spiræa Queen Alexandra, and this is to remind you that you can not afford to be without it for next Easter or Memorial Day. I consider this a great addition to the half dozen sorts of Astilbes the florist uses, and to get them into bloom for next Easter should make you overlook the only drawback this variety possesses—its lateness in coming into bloom. You can

Hyacinths · Tulips · Narcissus

BEST QUALITY FOR FORCING AND OUTDOOR GROWING

ALL THE LEADING NAMED VARIETIES

SPECIAL OFFER: As an inducement to secure orders for a general line of bulbs we quote:—

HYACINTHS, UNNAMED SINGLE, any color, $2.10 per 100, $19.50 per 1000.

TO SECURE THESE PRICES MENTION THIS PAPER

Send us an order for other varieties **See our Advertisement in issue of October 15th**

IF YOU WANT THE BEST QUALITY OUR PRICES ARE LOW

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

Please mention the Exchange when writing.

Cost is measured by the results obtained and in no other way

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $1.00

Primroses

Per 100
Chinese $1.50
Obconica alba and rosea, 2¼-in. pots 1.50
Obconica Gigantea 2.00
VINCA var., from field 4.00

Cash. Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

500,000 GIANT PANSIES $2.00 per 1000

DOUBLE DAISIES, Giant Strain, Snowball and Longfellow, $2.00 per 1000.
SWEET WILLIAM, Single Mixed, 50 cts. per 100.
ANTHEMIS TINCTORIA, Fine Seedlings, 75 cents per 100.

DOUBLE PETUNIAS, Named, 2 inch, 2 cents.
DOUBLE ALYSSUM, Giant, 2 inch, 1½ cents.
HELIOTROPE, Blue, 2 inch, 1½ cents.
DOUBLE HOLLYHOCKS, 4 colors and mixed. Second Size, $8 00 per 1000, 85 cents per 100.

LIST FREE BARGAINS CASH

SHIPPENSBURG FLORAL CO. E. W. BYER, Prop. **SHIPPENSBURG, PA.**

Please mention the Exchange when writing.

PANSY PLANTS

PANSY PARK PERFECTION

Is the best market strain of Giant Show and Fancy Pansies—flowers of largest size and greatest variety of rich, rare and odd colors and markings, the reds in many varieties.

I have made a specialty of growing seeds and plants nearly 40 years and this strain is the result of many years of breeding and selection and includes all the new varieties introduced by Foreign Specialists during all these years.

SAMPLES OF MANY REPORTS

From C. A. Lane, Daytona, Fla.: "Pansy plants received and were in fine condition and very nice plants—think everyone will live."

From G. H. Taepke, Detroit, Mich.: "Send me $10.00 worth of your best Pansy seed. If as good in colors and size as they were last year, I will need double the amount next year."

A large stock of fine, stocky, field-grown plants from seed sown thinly broadcast, causing extra good roots, shipped any time up to December, over 60 Varieties in Mixed or Separate Colors, $3.00 per 1000; $1.75 per 500; $14.00 per 6000; $26.00 per 10,000. Cash. Special price on 25,000 or more.

L. W. GOODELL, PANSY PARK, DWIGHT P. O., MASS.

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.60 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Plants Unlimited

My Giant Market Pansy Plants, my own growing, seed saved only from the finest selected flowers, 50 per cent. better than ever, as I have added many new and fine varieties. 1000 lots, $2.60 per 1000; 5000 lots, $2.00 per 1000. Send for Price List on 10,000 lots. Ready from now on.

Cash with order

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

PANSIES

800,000 Brown's Improved Giant Prize Pansy Plants

In Mixed and Separate Colors, $2.50 per 1000, $10.00 per 5000 lot. Fine, Stocky Plants. Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the Exchange when writing.

Pansy Plants

Of my largest flowering mixture of Show varieties, unsurpassed quality, good sized stocky plants, $3.00 per 1000; 5000 lots $2.50 per 1000.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Giant Pansy FINEST MIXED

2000 seeds, 50c.; ¼-oz., $1.00; ½-oz., $1.75; 1-oz., $3.00

MIGNONETTE, Machet, new crop, selected seed, pkt. 15c., oz. 60c.

ASPARAGUS, Sprengeri, 2½-in pots, $2.25 per 100.

Cash with order.

LAKEREST GREENHOUSES
SHANDELEE, Sullivan County, N. Y.

Please mention the Exchange when writing.

Giant Pansies. The finest strains and finest plants the market affords, as follows: Our Own Specials, Our Cut Flower Collection, Masterpiece, Bugnot, Mme. Perret, Giant Prize, Trimardeau, Fire King, Orchid-Flowered, Peacock, Snow Queen, Emperor William and Fairy Queen, strong, field-grown plants, your own selection, 3.00 per 1000 or $5.00 per 2000. Our selection of all above kinds, Mixed, at $2.50 per 1000, $4.50 per 2000, $10.00 per 5000. ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn
Grower of the Finest Pansies.

Please mention the Exchange when writing.

Chrysanthemums

Clearance Sale of Stock Plants

We have several thousand of the following varieties, to be sold as soon as the blooms are marketed, to make room for Sweet Peas.

Glory of Pacific	Balfour
Polly Rose	Dr. Enguehard
Monrovia	Jeanne Nonin
Alice Byron	Rubt. Holliday
Colonel Appleton	Mrs. Geo. DeKalb
Major Bonnaffon	

Write for special prices for A No. 1 stock.

J. D. COCKCROFT, NORTHPORT (L. I.) NEW YORK

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

not get it to bloom and show its delicate pink color much before the first week in April, and Easter coming in the middle of this month next year should give us Queen Alexandra at its best, without much forcing. Order a good supply at once, and as soon as the clumps arrive, pot them up without delay. Every day you keep them out of the soil counts. It would not do not to say a word about S. Gladstone, another great Spiræa, and a great improvement over the old Japonica we grew for so many years. The color is a snowy white, and the flowers form immense trusses. We have had from 18 to 20 such trusses on a plant in an 8-in. pot, and because you haven't sold many of the old sort in the last few years should not serve as an excuse for not giving both of these varieties a fair trial, for they have nothing in common with the old favorite outside of the leaves, and the retail grower not only can use Spiræas as pot plants, but the flowers and foliage are excellent for floral design work, so few plants need go to waste even if not disposed of on a certain day. A loose spray of Spiræas, either Queen Alexandra or Gladstone, is as beautiful and artistic as anything you could wish for, and the more people see of them the better for you.

Mignonette

The Retail Grower has Use for Small as well as Large Flower Spikes

While most of us are trying to find ways whereby we can get the heaviest stem and longest flower spikes possible on the Mignonette plants, it is wrong to overlook having a good supply of medium sized ones also. With proper care a Mignonette plant will produce 20 to 30 12" stems, and each one will have a few flowers, perhaps not large, but what better material could you wish for to answer as green material to go with an order of Carnations. Many of us have given up the idea of making an extra charge for a few sprays of greens when filling an order for two dozen Carnations; it simply is necessary to charge enough for the flowers to be able to furnish a little green. During December and later in the season a couple of sprays of Asparagus and three to four of these small Mignonettes often answer nicely for greens, and we have found the growing of Mignonette for this purpose results in a great saving of Asparagus Sprengeri. In order to get a good bushy plant, all that is necessary is to pinch the heavy shoots back; but don't neglect, on that account, supporting the plants properly. While we all realize that this is absolutely necessary whenever good flowers are grown, and a few stems to the plant, it is as much required for the smaller ones. A crooked stem is of little use on any flower, and Mignonette is no exception to this rule. Whether you grow for size or quantity of flowers you should keep the flower stems clean from side growth, and do not leave that work to a careless man, for he can be the cause of great damage. The leaves of the Mignonette are so very brittle that the least rough handling will break them. Stock ready to bud, if in good growing condition, is greatly benefited by light doses of liquid cow manure once every week. Mignonette is a rank grower and great feeder, and will respond to care quickly; and cow manure, no matter in what form or of what age, forms about as good food as anything I know of.

Louisville, Ky.

Contrary to the general feeling of apprehension, the closing of the Louisville Horse Show did not leave the florists "high and dry" for lack of business. While the volume of business is not at the highwater mark that it was during the show, the football season has opened up with a rush and large quantities of Chrysanthemums and American Beauty Roses for decoration at the games have been required. The big collegiate struggle between Central University and Sewanee University, at Eclipse Park, brought hundreds of collegians to town and the flower trade was good during their stay.

A large number of Fall weddings have kept Louisville florists busy for the past two weeks. "We have filled a wedding order every day for the past week," was the report of a prominent Fourth ave. florist, and while all members of the trade have not prospered to this extent, there is no complaint coming, for business is improving every day.

The Anchorage Rose Co., an important corporation controlling a number of greenhouses at Anchorage, Ky., recently filed a petition in bankruptcy, the Louisville Trust Co. being named as receiver by the court. Local florists are now rejoicing over the fact that the company is to be re-established and set upon a working basis again by order of the court. Charles W. Reimers, a well-known local florist, was appointed to the managership of the

Smith's Chrysanthemum Manual

40c. prepaid
ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, well budded plants from 3-in. pots $7.00, from 4-in. pots $15.00, from 5-in. pots $25.00 per 100.

PRIMULA obconica grandiflora and gigantea, Ronsdorfer and Lattman's Hybrids, all colors, well grown stock, from 4-in. pots $10.00 per 100, from 5-in. pots $2.50 per doz., $20.00 per 100, in bud and bloom.

CINERARIAS Hybrida Maxima Grandiflora, no better strain, from 3-in. pots, $4.00 per 100. Satisfaction guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

Chinese and Obconica Primroses

Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. **PRIMULA Obconica,** 5-in., $10.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 60c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 6 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 12 varieties, mixed, fine plants, $5.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $6.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 5-6-7 in. pots, Boston, Scottii and Whitmani, Elegantissima, etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including Little Beauty and Storm King, $2.60 per 100.
GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

BRIDE, BRIDESMAID, GOLDEN GATE and KAISERIN, $6.00 per 100.

Grafted, Fine Stock

WHITE KILLARNEY and PINK KILLARNEY, strong, two year old plants, from field, $15.00 per 100.

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

GOLDEN GATE, KAISERIN, and RICHMOND, from 3¼-in. pots, $17.00 per 100.

ASPARAGUS

SPRENGERI, from 3-inch pots, $6.00 per 100.

SPRENGERI, from 2¼-in. pots, $4.00 per 100.

POINSETTIAS From 3-in. pots, 10.00 per 100.

CANNAS, 30 varieties, strong, field clumps, $2.00 and $2.50 per dozen, $15.00 and $20.00 per 100.

Send for Catalog.

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

PLANT SPECIALS

HYDRANGEA Otaksa, strong field-grown plants, 8 to 12 shoots, $5.00 per doz.; 12 to 15 shoots, $6.00 per doz.

ALTERNANTHERA Jewel, best variety of all, $2.50 per 100.

ACONITUM Wilsoni (new), $12.00 per 100.

ANCHUSA Dropmore variety, field-grown, $10.00 per 100.

ANEMONE Japonica, strong, field-grown plants, Autumn Queen and Prince Heinrich, $8.00 per 100. Lord Ardilaun, Queen Charlotte, Whirlwind and Rosea superba at $6.00 per 100.

CLEMATIS Paniculata, field-grown, 3-year-old plants, $15.00 per 100.

PHLOX, Early Flowering, Miss Lingard, strong clumps, $8.00 per 100; field-grown, $6.00 per 100.

PHLOX Decussata, strong clumps, assorted varieties, extra choice, $8.00 per 100.

WILLIAM TRICKER, Arlington, N.J.

Please mention the Exchange when writing.

Field-Grown Vincas

$6.00 per 100, $50.00 per 1000.

DRACÆNA INDIVISA

3-inch 6c., 4-inch 12c., 5-inch 20c. and 6-inch 30c.

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $2.00 and $4.00.

REX BEGONIAS, 2-in., $4.00.

COLEUS, 2-in., $1.00.

SCOTTII FERNS, 2-in., $6.00.

GERMAN IVY, 2-in., $1.50.

DRACAENA Indivisa, 4-in., $10.00; 5-in., $20.00.

VINCA, 2-in., 2c.; 3-in., 4c.; 4-in., 8c.; 5-in., 10c.

HELIOTROPE, 2-in., $1.50.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100; Killarney, 5-in., 25c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viand, Jaulin, Riccard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown, they are very fine and bushy, just loaded down with berries	$15.00 and $25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size	$8.00, $20.00 and 26.00
VINCA Variegata, 8 to 12 vines	5.00
SHASTA DAISIES, fine clumps	3.00
IVY GERANIUMS, 2 in.	2.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
BEGONIA Argenteo-Guttata, 4 in.	5.00
GENISTA Fragrans, 3 in., fine bushy	10.00
ASPARAGUS Sprengeri, 2 in., very strong	2.00
ABUTILON Savitzii, R. C., by mail	1.50

Cash with order, please.

GEO. J. HUGHES,
BERLIN, N. J.

Please mention the Exchange when writing.

Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

defunct concern by the trust company, and Mr. Reimers will assume his duties as supervisor at once.

H. A. Rapier, representing Vaughan's Seed Store of Chicago, Ill., and C. H. Williamson of Baumann & Co., Chicago, were recent visitors.

On October 3 the firm of Nanz & Neuner "pulled up stakes" and departed from their old store at Fourth and Chestnut sts. to their handsome new "Rosery" on Fourth ave., near Broadway. The "Rosery" is one of the handsomest floral stores in Louisville, having recently been built according to plans and specifications designed by Henry Nanz. Will Raby, who was formerly superinteadent of the Jefferson County greenhouses of Nanz & Neuner, has been transferred to the new store. Mr. Raby will have charge of the greenhouses and flowers at the Fourth st. establishment.

Anna Katherine Schulz, the little daughter of Fred L. Schulz, has recovered from a severe attack of tonsilitis.

On October 31 the Kings' Daughters, a benevolent association of Louisville ladies, celebrated "Tag Day" in this city, assessing every passerby for as much as he or she was worth and tagging the philanthropist with a little purple and white tag. The proceeds from the day's labors went for charitable purposes. One of the numerous tag stations that were scattered in the downtown district was located in the store of Mrs. C. B. Thompson, on Fourth ave., and some substantial pecuniary returns resulted from the labors of Mrs. Thompson and her fair assistants. Mrs. Thompson recently received visits from representatives of A. L. Randall Co., Chicago, Ill., and Reed & Keller of New York City.

If the plans of Dr. Henry Enos Tuley, chairman of the City Development Committee of the Louisville Commercial Club, do not miscarry, the streets of this city will soon be decorated with hanging boxes of flowers in the manner adopted by the municipal authorities of Antwerp, Holland. During a recent European trip, Dr. Tuley was attracted by the beautiful appearance of the Antwerp streets, which were lined with light flower boxes, raised upon standards, containing an array of hardy flowers which transformed the monotonous area of the downtown district into a veritable flower garden. Dr. Tuley took numerous photographs of the floral decorations and proposes to have the downtown streets of Louisville similarly decorated in the near future, if the Board of Park Commissioners will co-operate with the Commercial Club in having the standards and boxes erected and filling them with hardy plants and blooms.

G. D. C.

Kalamazoo, Mich.

Business during the month of October was the worst experienced in years. Of course, the weather is held responsible as, up to the night of the 27th, no frosts occurred; now, however, that we have had sufficient to kill outdoor stock, more life is expected in the cut flower trade. Funeral and shipping trade was also quiet. With the growers the weather brought on those Roses and Carnations which are now about up to the usual standard at this season. 'Mums and Violets are being benefited by the cool bright weather.

At the Central Nursery Co. the stock is looking well and clean. They have several houses of Carnations and Roses in excellent shape for the holiday trade and two houses of Violets equal to any I have seen in recent years. Sweet Peas and 'Mums in pots are grown by the houseful, and a general line of Ferns and plants for their two stores is also grown. Mr. Thurston, the manager, expects the season to be one of the best and is well prepared to handle all that comes their way. The nursery part has also had an excellent season, though the Fall shipments were somewbat delayed on account of the warm weather.

James Fraser, who is one of the best all-around growers in this vicinity, is also well prepared for the season. Second to none as a grower and floral designer, the increasing competition does not disturb his business, which uses up all the stock he can produce, besides having to buy quite frequently in order to fill the demands made on him. He is now busy with the water supply but expects to have a 4-in. tubular well in operation in a short time.

H. A. Fisher Co. have recently completed their ice box; it is certainly the finest thing in this line I have seen of late. They are carrying a fine line of cut flowers and florists' supplies and are expecting to do a large business the coming season. S. B.

Surplus Bargains

	100	1000
EARLY ROMANS. White, 11-13 ctms.	$1.85	$16.00
EARLY ROMANS. Blue or Rose	1.50	14.00
PAPER WHITE GRANDIFLORA, 1000 to case, 14 ctms	1.00	9.50
LILIUM CANDIDUM, Thick petaled, 22 to 24 ctms	4.00	35.00

DUTCH BULBS

	100	1000
Dutch Hyacinths, named. Best sorts in all colors, first size, extra fine	$5.50	$50.00
Same, named, second size	3.50	32.00
Same, named, bedding Hyacinths, best sorts	2.75	26.00
Dutch Miniature Hyacinths. Best named sorts	1.50	14.00
Mixed Dutch Hyacinths, in color	2.25	20.00

TULIPS

	100	1000
Artus	$1.00	$9.00
Cardinal's Hat	.75	6.00
Belle Alliance	1.50	15.00
Couleur Ponceau. Fine rose	.75	6.00
Crimson King. Fine red	.90	8.50
Due van Thol. Scarlet	1.25	10.00
Duchesse de Parma. Brown and gold	1.00	8.00
Due van Thol. Red and yellow.	.75	6.00
Keizerkroon. Red and gold	1.00	9.50
La Reine. First size	.70	6.25
Pottebakker Scarlet. Extra fine.	1.35	12.50
Pottebakker, Yellow	1.00	9.00
Pottebakker, White	1.00	9.00
Proserpine. Finest rose	2.00	18.00
Rose Luisante. New Rose	1.50	13.00
Standard Silver. Rose and white	1.00	9.00
Thomas Moore. Orange; very good	.85	7.50
White Swan. One of best whites	.85	7.50
Yellow Prince	.76	6.50

DOUBLE TULIPS

	100	1000
La Candeur. Best white	$1.00	$9.50
Duke of York. Red and white flaked	.90	8.00
Rubra maxima. Best scarlet	1.40	12.00
Rex rubrorum. Fine red	1.40	12.50
Murillo. Finest rose blush	1.00	9.75
Titian. Gold and red	1.40	12.00
Tournesol. Red and yellow, gold and red	1.50	13.50
SINGLE Tulips, mixed. Finest stock	.65	5.50
DOUBLE Tulips, mixed. Finest stock	.75	6.50

To colors SAME price, Single and Double.

DARWIN TULIPS

	100	1000
Clara Butt. Finest rose	$2.25	$20.00
Margaret (Gretchen)	1.25	10.00
Europe. Finest scarlet	2.00	18.00
Pride of Haarlem. Carmine	2.00	18.00
The Sultan. Fineet dark shade.	1.50	14.00
Rev. Ewbank	2.25	20.00
Mrs. Potter Palmer. Finest lilac	1.85	16.00
White Queen. Finest white	1.50	14.00

LATE TULIPS

	100	1000
Isabella	$1.00	$9.00
NAMED Parrots. Best sorts	.75	6.50
Mixed Parrots	.55	4.75
Late Mixed Tulips. Best sorts	.90	8.00

NARCISSUS

	100	1000
Van Sion. Double nosed; finest stock	$2.00	$18.00
Van Sion. Select single noses.	1.15	10.00
Empress. Double nosed, extra.	1.35	12.00
Sir Watkin	1.25	11.00
Poeticus. Mother bulbs	.60	2.75
Poeticus ornatus	.65	5.50
Other Trumpet sorts, in variety.	Ask for prices.	

VARIOUS BULBS

	100	1000
Spanish Iris, named. Best forcing sorts	$0.50	$3.75
Chionodoxa Lucillae gigantea	.60	4.75
Muscari botryoides, Blue	.65	5.50
Muscari botryoides, White	.80	7.00
Snowdrops, Elewsii Giants	.65	5.50
Scilla Sibirica, Large bulbs	.65	4.75
Gladiolus Colvillei alba	.60	5.00
Crocus, Named. Extra fine bulbs	.50	4.25
Crocus, Mixed	.35	2.25
English Iris, named. Best sorts	1.00	8.00
English Iris, mixed	.60	5.00
Jonquil rugulosus. Large bulbs	.60	5.00

LILIES

	100	1000
Lilium giganteum, 6x8	$5.00	$40.00
Lilium giganteum, 7x9	6.50	60.00
Lilium giganteum, 8x10	9.00	85.00
Lilium giganteum, 9x11	10.00	95.00
Lilium formosum, 8x10	9.00	85.00
Lilium formosum, 9x10	9.50	87.50
Lilium longiflorum multiflorum, 7x9	5.00	47.50

Offered as long as stock lasts. Bulbs are all of the very best grade, imported for the best Private Trade. Selected especially.

H. H. Berger & Co.
70 Warren Street, NEW YORK CITY

Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

64 Years — GENEVA, N. Y. — 800 Acres

Yellow Rambler
Cl. Victor Verdier
Cl. Julea Margottin
Frau Karl Druschki
Killarney
Gen. Jacqueminot
Gruss an Teplitz
Hermosa
La France
L. Van Houtte
Magna Charta
Mrs. J. Laing
Ulrich Brunner
Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

First Aid to Rose Buyers

Fall Price List—200 Sorts

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries

OUDENBOSCH, HOLLAND

Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel

Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 18 to 24 in., 5c. each.
NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

D. T. McCARTHY & SONS
Nurserymen and Florists — Lockport, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

JACKSON & PERKINS CO., NEWARK, N. Y.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street — NEW YORK

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Northern Grown Nursery Stock

We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. *Wholesale Trade List for the Asking*

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries — ROCHESTER, N. Y.

Please mention the Exchange when writing.

BOXWOOD JUST ARRIVED

We have an unusually large stock of fine plants in all sizes.

FOR WINDOW BOXES, 10 to 12 inches, 15, 20 and 25 cents each.
HEAVY STOCK, 35, 50, 60 and 75 cents each.
BALL SHAPE, $1.00, $1.25 and $1.50 each.
HEAVY BUSH FORM, $1.00, $1.25 and $1.50 each.
PYRAMIDS, $2.25, $3.00, $3.50, $4.00 and $5.00 each.
PYRAMIDS, SQUARE SHAPE, very handsome, in fancy tubs, $12.50 each.

It will be well to place your order for above at once. We can hold same for future delivery or ship at once.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

Berberis, Snowball, Spiræa and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE, PA.

Please mention the Exchange when writing.

VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinispores, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

Please mention the Exchange when writing.

PRIVET BARGAINS

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants	Per 100 $4.00

Special prices on car lots.

BERBERIS THUNBERGII

BERBERIS THUNBERGII, 15 to 18 ins., 3 years, bushy, $5.00 per 100; 18 to 24 ins., 3 years, bushy, $7.00 per 100.

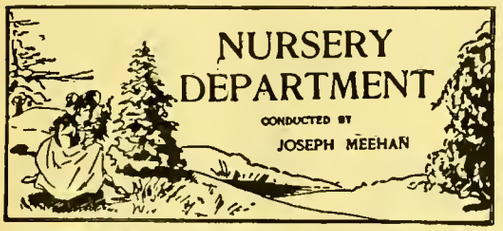
Field-grown Roses, Cannas, Grape Vines and Asparagus Roots.

List for the asking.

Cash with order. Packing free.

FRED SHOOSMITH & BROS., Southside Nurseries, CHESTER, VA.

Please mention the Exchange when writing.



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

The second annual Western Montana Apple Show, held under the auspices of the Missoula Chamber of Commerce, takes place in that city Oct. 10 to 15, inclusive. In addition to the regular schedule, a large number of special prizes, some of them of considerable value, are offered.

RIVERSIDE, CAL.—The Big 5 Nursery has been incorporated, with headquarters at Blythe City. The capital stock is $25,000. R. E. Smith, R. W. Ward and S. S. Rogers of Blythe City, T. F. Flint of Berkeley, and N. D. Ingham of Santa Monica are directors.

Elæagnus Simoni

The genus Elæagnus is a most interesting one to cultivators; it contains so many kinds, every one possessing some character distinct from the others. But there is one feature they all possess in common—the silvery underleaf, and to a less degree silver twigs. It is from this, the common name Silver Thorn is applied to them all. This name is applicable, too, because of the blunt thorns some have; so blunt are they that "thorns" is a misnomer, still it has been applied to the species.

The one we have the pleasure of illustrating, Elæagnus Simoni, is an evergreen, and in some respects it is more valued than any other as, besides its evergreen character, it flowers in late Autumn, and the blossoms are of delightful fragrance. Flowering so late, those who pass the bush when in flower and who are unacquainted with it are often at a loss to know whence the fragrance they detect comes from, a wonder augmented because the cream yellow flowers are neither very large nor conspicuous. Depending on where planted, it is sometimes nearly or quite freezing weather before the flowers have all expanded. The blossoms are very numerous, produced on the shoots made the previous season.

The fine bush photographed is on the grounds of John T. Morris, Chestnut Hill, Philadelphia, where it is in company with hundreds of nice specimens of trees and shrubs, many of them uncommon in collections, as this one is. The bush has thousands of flowers on it, but being small they do not make a great show, although the perfume from the flowers extends many feet away from it. It is one of the finest bushes in Philadelphia, in fact there are but few grounds possessing a plant at all of it.

In severe Winters the foliage occasionally suffers somewhat when plants are young, but as the bush gets large and vigorous one part perfects the other, so that the injury to its leaves is not great.

It is a Japanese evergreen, and botanical works incline to make it but a variety of E. pungens.

Figs in New Jersey

Every observant gardener knows what a great aid a large body of water is in enabling plants to withstand the cold. Notice is frequently taken of plants surviving a Winter, uninjured, that would either kill them or greatly injure them if but a mile or two away. This was forcibly brought to the writer's attention, recently, when assured by a party who had seen the tree that the Fig thrives unprotected close to the sea at Atlantic City. The Fig is known to endure considerable cold, perhaps 15°, when possessed of old branches, without injury, but even in Philadelphia it will not endure an ordinary Winter and is killed to the ground.

At Atlantic City, with the ocean close to the gardens of the inhabitants, it freezes but little, comparatively. There is the sea, at a temperature of say 40°, close alongside the trees; there is also moisture in the air, both of which conditions count a good deal towards preventing injury from freezing. The evergreen Euonymus, the Japonica and the Sieboldianus, flourish all along the coast, and though not seen by the writer it is quite certain that the broad-leaved evergreen Magnolia of the South, grandiflora, would flourish well there, for it does this alongside the Delaware River, a hundred miles north of the ocean at Atlantic City.

A prominent cause of the killing of some evergreens in Winter is the loss of moisture through their leaves. The clear, cold weather and the dry winds cause such a transpiration that the roots cannot keep pace with the demand, and the trees are killed. Near the ocean there is not the dry cold; moisture is there, which, with the temperature lower than inland, demands no impossible task from the roots. And no doubt the roots themselves are in unfrozen ground, where they can be at work they could not do were the soil frozen solidly about them.

Winter Forcing of Hardy Hydrangeas

Noticing in an advertisement of The Good & Reese Co., of Springfield, O., that, of the two new hardy Hydrangeas of the sterile-flowered type, arborescens grandiflora alba and cinerea sterilis, the former forced well and the latter not at all, we wrote the firm, asking for further particulars, and have been favored with the following reply."

"Replying to your favor will say we feel so certain about our statement that Hydrangea cinerea sterilis will not force that we would ask you to make inquiries in the EXCHANGE along these lines. When we first secured plants of the Hydrangea arborescens grandiflora alba, the cinerea was mixed in with it and it was some time before we discovered that there were two varieties, and up to the present time we have never seen the plant of the cinerea sterilis attempt to bloom under glass."

The gentlemen further say that when growing outside the cinerea sterilis soon forms a large bush by stooling, a habit grandiflora alba has not. A single plant of cinerea sterilis in their neighborhood is over 60 ft. in circumference, but it has been in its present position over 25 years.

Have any of our readers any experience in the forcing of H. cinerea sterilis? Following horticultural practice, one would think it ought to flower.

Referring to the large plant The Good & Reese Co. speak of, planted over 25 years, it seems singular that both this plant, cinerea sterilis, and the grandiflora alba should have been practically unknown outside of a town or two for so many years, both of them being such handsome shrubs for general planting.

Increasing Photinia serrulata

Mention in this department that Photinia serrulata is hardy in sheltered places in Philadelphia, has brought two inquiries as to where plants of it could be had, as a broad-leaved evergreen of this character is much to be desired. Probably some of the Southern nurserymen, say the Biltmore or Berckmans' concerns, have it, but, if not, it can easily be imported from Europe, being a well-known hardy shrub in many countries there. Failing in getting plants, seedsmen could readily supply the seeds, so there are several ways of getting it. It is probable that European firms layer it to increase the stock, as used to be the practice years ago; besides this it can be grafted on Photinia villosa, or even on some of the Cratægus, as it belongs to the same family of plants as Hawthorns. It has been grafted successfully on the Apple.

Photinia serrulata is a Japanese species, a true evergreen, and considering the scarcity of broad-leaved evergreens with us it would be welcome wherever it would be hardy. In sheltered places small plants of it have proved hardy in the vicinity of Philadelphia, so that from that point southward there is a wide field for its distribution. In olden times this shrub was classed as a Cratægus, but it has long been placed with Photinia.

Juniperus Virginiana glauca

Attention has been called before to the greater care exercised in the selecting of promising varieties of trees and shrubs in Europe than here. As soon as variation from the normal type is observed, whether in a seedling bed or in a shoot on a growing specimen, there are means taken to preserve the variation until time proves whether or not it is worth propagating. Because of this critical observanee we owe the presence of many of our most valued trees and shrubs.

These thoughts come to us now from seeing growing some interesting specimens of a variety of our Red Cedar. It is called Juniperus Virginiana glauca. It is a variety having good blue foliage, quite distinct from the old form, and it is one that will be in great favor with planters, because of its color. All such blue foliaged evergreens are much sought for, they add so much to the beauty of a group of evergreens by the contrast of foliage.

The common form of the Red Cedar varies very much; some are broad and spreading, others quite columnar in growth; and this is not due to environment, for the difference exists in rows in the same field. What form the variety glauca will assume remains to be seen, as those in collections here are yet too young to venture an opinion on what their mature shape will be.

The difficulty some claim they find in transplanting Red Cedars comes from the few roots these trees are inclined to make. But when nursery grown it follows that there have been several transplantings, and each one of these should increase the number of small roots; and then great care should be taken that exposed roots are kept moist all the time.

September is a good time to transplant such trees, if balls of earth can be had with them; but lacking these, the Spring is considered to be a season affording a better chance of success.



Elæagnus Simoni

Viburnum tomentosum

Viburnum tomentosum is not what is called a "Snowball" shrub, as some other Viburnums are; nevertheless, its flower heads contain enough of sterile flowers to place it well up among flowering shrubs, and in some other features it surpasses the true Snowballs. Its habit of growth is peculiar, yet makes of it a beautiful bush. Its branches make an almost horizontal growth, forming a wide spreading bush, but of thick growth too, because of the number of its branches. These branches bear their white clusters of flowers in pairs, in the axils of the leaves, just as the V. plicatum does, the last named one being recognized as a variety of the tomentosum.

As many of its flowers are perfect, usually more or less berries form on the bushes, and these are red in color.

In Autumn, its foliage is classed among those of great attraction. In September it commences to change its green, and by October it is of a rich bronze and maroon, deepening in intensity until the last days of the season come. As stated, tomentosum is the parent of plicatum, as it also is of rotundifolium, and it happens that both of these varieties are notable for their richly colored leaves of Autumn. Like the tomentosum, rotundifolium makes a horizontal, bushy growth, both of them being better in this respect than plicatum, though it has some merit in the way of pretty Fall foliage. Strange that, though a variety of plicatum, as it is said, rotundifolium is not quite as hardy, severe Winters cutting back a few inches of its tops sometimes.

California Privet



I am offering an extra fine stock of two-year-old California Privet, which will be graded according to the high standard which I have always maintained.

QUALITY as well as PRICE should be considered.

It will pay you to send me your list before you place your order.

I am Growing California Privet To Sell, and I Sell It. There must be a reason.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Regel's and Ibota Privet

They make hedges that are distinct and different. Our plants are strong and heavy.

	100	1000
Regel's Privet, 2 to 3 feet	$9.00	$65.00
Regel's Privet, 3 to 4 feet	12.50	100.00
Ibota Privet, 2 to 3 feet	9.00	65.00
Ibota Privet, 3 to 4 feet	12.00	85.00

CALIFORNIA PRIVET too, that's heavier than is usually grown. Shrubbery and Shade Trees of many kinds in enormous quantity.

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

California Privet

Car load of 2 to 3 and 3 to 4 feet sizes, for Fall shipment. Also 18 to 24 inches, 1 year, 3 to 5 branches, $15.00 per 1000. Carefully graded.

M. H. MUSSER, Lancaster, Pa.

Please mention the Exchange when writing.

BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10 00
18 to 24 in., 1 year, 3 to 6 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

15,000 Golden Privet

4 to 5 years old

4 and 5 feet high, per hundred, $15.00.
2 to 4 feet high, per hundred $10.00.

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Ch. Koehler's Nurseries,
Cheltenham, Pa.

Please mention the Exchange when writing.

F. E. — Alert and Up-to-Date

F. E.—The Best Advertising Medium

ONE-HALF MILLION California Privet

1, 2 and 3 year stock as follows:

	1000	10,000	20,000
1 to 1½ ft. 3 branches up	$10.00	$85.00	$165.00
1½ to 2 ft. 4 branches up	15.00	125.00	210.00
2 to 3 ft. 6 branches up	20.00	175.00	325.00
3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4 to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect.

ORDER EARLY DON'T DELAY

CARLMAN RIBSAM
31 Wall St., TRENTON, N. J.

Please mention the Exchange when writing.

California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Surplus Stock For Sale

500,000 California Privet

Strong plants, all sizes, from 2 feet up to 6 feet high, $10.00 to $50.00 per 1000. Packing at cost; can dig at any time for local trade. Inspection invited.

WOOD, HARMON & CO.,
Nursery Department
Church Ave. and E. 58th St., BROOKLYN, N. Y.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 7s cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Caldwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

SPECIAL SALE OF California Privet

	Credit price per 1000	Cash price per 1000
6 to 12 inches, 1 year, 2 to 5 branches	$4.00	$3.00
12 to 18 inches, 1 year, 2 to 5 branches	7.00	6.00
18 to 24, 2 years, very bushy	15.00	13.00
2 to 3 feet, 3 yrs., very bushy	20.00	18.00
3 to 4 feet, 2 yrs., very bushy	25.00	23.00

CAROLINA AND LOMBARDY POPLARS

	Per 100	Per 100
7 to 8 feet, 2 years	$6.00	$5.00
8 to 10 feet, 2 years	7.00	6.00
10 to 12 feet, 2 years	9.00	8.00

Terms, Cash with order or satisfactory reference.

Purchasers of known responsibility desiring credit will be charged at credit prices. Those unknown to us who fail to furnish satisfactory references must positively send cash with order. All who send cash with order will be allowed our special cash prices. We make no charge for boxes or packing, when cash is sent with order.

The Lancaster County Nurseries
R. F. D. No. 7 LANCASTER, PA.

Please mention the Exchange when writing.

Special Prices

California Privet

	100	1000
3 to 4 ft., extra heavy	$4.00	$35.00
2 to 3 ft., extra heavy	3.00	25.00

Berberis Thunbergii

	100	1000
18 to 24 in.	$10.00	$80.00
12 to 18 in.	8.00	60.00

Carolina Poplar

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

Lombardy Poplar

Low branched.	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.
The Burr Nurseries
Manchester, Conn.

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Prices Advertised in these Columns are for THE TRADE ONLY

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SPECIAL NOTICE

OUR MOTTO
A SQUARE DEAL



We will have an AUCTION SALE

Of **Pyramid Boxwood, Conifers, Rhododendrons, Magnolias, Holland Roses, Palms, Ferns** and **Dutch Bulbs** on

Wednesday, November 9th, at 11 o'clock A. M.

THE MAC NIFF HORTICULTURAL CO., 62 Vesey Street, Near Greenwich Street, NEW YORK CITY

Regular Auction Sales Every Tuesday and Friday at 11 o'clock A. M.

Please mention the Exchange when writing.

CLUBS and SOCIETIES

The F. and N'men Assoc. of Montana

This Society continues to make steady progress; the very latest additions to its membership are James King (Butte Floral Co.); Victor Larson (care of State Nursery Co.); M. L. Tippin and E. W. Horton (care of Montana Nursery Co.).

Columbus (O.) Florists' Club

The members of this Club are preparing for a more active and presumedly enjoyable season, which will be interspersed with several social dances, the first taking place next week. Meetings will also be held with more regularity from now on. At the meeting of last week the annual election of officers resulted as follows: President, R. A. Currie; vice-president, C. A. Roth; secretary, James McKellar; treasurer, O. A. Munk; sergeant-at-Arms, J. H Williams. Trustees: Sherman Stephens, Wm. Metzmaier, C. D. Battelle, I. D. Siehert, Archie Munk. C. D. B.

Albany Florists' Club

A meeting of the Flower Show Committee was held Oct. 27. Fred A. Danker reported he had ordered the badges for the committee, also the admission cards for members of the Club. The Printing Committee reported the program as ready to go to press, and that there were as many advertisements in this year as last.

The judges at the show will be: W. A. Saltford, Poughkeepsie, N. Y.; J. R. Fotheringham, Tarrytown, N. Y.; Alfred H. Wingate, Lenox, Mass.; T. J. Totten, Saratoga Springs, N. Y.; Edw. J. Norman, Lenox, Mass.

The Decorating Committee reported they had made plans for decorating a float to go through the principal streets advertising the show for three days, Saturday, Monday and Wednesday. The committee then adjourned until next regular meeting of the Florists' Club, Nov. 3, at their rooms. L. H. S.

Northern Indiana Florists' Assoc.

The Northern Indiana Florists' Association met at South Bend, Ind., on October 19. After a dinner, provided by the South Bend florists, we were treated to a car ride to see the various greenhouses. We finally assembled at the store of Willis Kinyon, about 4.30 p.m., and after disposing of the regular routine business we had two very interesting discussions, one on "The Poinsettia," the other on "The Cyclamen." We next considered the advisability of establishing a buying agency to buy pots, boxes, etc., in quantity, and thus secure better prices.

The exhibits were quite a feature of the meeting. The Wagoner Floral Co. of Columbia City exhibited vases of Dorothy Gordon, Enchantress and Columbia Carnations; The Muncie Floral Co., of Muncie, a vase of Kaiserin Roses with 3 ft. stems, cut from plants ten years old, in solid beds, vases of Golden Gate Roses, and Chrysanthemum Touset, table Ferns, Asparagus plumosus and Sprengeri; Johnson Floral Co., Kendallville, vases of White Perfection and Seedling No. 1 (purple); Carnations and Pompon Dahlias; Harry White, of N. Manchester, vases of W. Perfection, Enchantress, Harlowarden, Rose Pink Enchantress, Mrs. T. W. Lawson and Victory Carnations; Willis Kinyon, South Bend, a vase of Richmond Roses; W. W. Diderich, Warsaw, Tuberous Begonias; Mr. Trayer of Elkhart, vases of Polly Rose 'Mums, Enchantress and White Enchantress Carnations; Mr. Arnold of N. Judson, Gladiolus America, bulbs measuring 2½ to 2¾ inches in diameter; Mr. Ten Eyck of Auburn, a photo of a Gladiolus, unnamed, which appeared to be exquisite; South Bend Floral Co., vase of Chrysanthemum Touset.

After tendering the South Bend florist a vote of thanks we adjourned to meet at N. Manchester, Ind., on the third Wednesday in January, at which time we expect to receive samples and prices of pots and boxes, and to decide on a make we will all use. This will mean several thousand dollars for the one we select, as we now have thirty-three members, representing eighteen flourishing cities and towns in northern Indiana.

A. J. WAGONER, Secy.

Nassau County (N. Y.) Hort. Soc.

The annual flower show was held at Pembroke Hall, Glen Cove, Oct. 27-28. Chrysanthemums, of course, were the main attraction, but what struck me most of all through the show was the interest taken by all the visitors in the fine display of outdoor flowers. While the big monsters were greatly admired, they received only a casual glance, compared to the time devoted to looking over the different classes of outdoor flowers, single 'Mums especially. The last named are growing in favor every year and are certainly the coming thing. A surprise to many, was the exhibit of H. Matz, Glen Cove, of splendid Dahlias grown in pots, with perfect large blooms, showing plainly what an addition we have in our collection of pot grown plants. Chrysanthemums were extra fine, in fact, I doubt if better will be seen in any other show this season. The judges were Wm. Turner, J. T. Huss and Wm. Scott.

Awards

Chrysanthemums

Group of Chrysanthemums, 50 sq. ft.—1, W. Eccles; 2, A. McKenzie.

Group of Ornamental plants, 75 sq. ft.—1, A. McKenzie; 2, J. T. Ingram, Oyster Bay.

For best 6 in the various colors, J. F. Johnston, A. McKenzie, R. Marshall, J. Everett and J. McDonald took first.

Two specimen bushes—1, R. Marshall; 2, A. McKenzie.

Roses

12 White—1, J. Robinson, Center Island.
12 Pink—V. Cleres.
12 Any other color—V. Cleres.

Carnations

12 Pink—W. Eccles.
12 Red—W. Eccles.
12 White—A. McKenzie.

In the commercial growers' class Chas. Weber, Lynbrook, L. I., was first and H. Matzand, second.

Centerpiece—1, J. Quintin, Roslyn; 2, H. Gaut.

Violets—Single, I. Reidenbach; double, H. Gaut.

Collection outdoor flowers—I. Reidenbach.

Special Prizes

Chas. H. Totty prize for 36 'Mums—1, A. McKenzie; 2, J. Everett.

Cottage Gardens Co. prize for Carnations—1, W. Eccles; 2, J. Duthie.

Burnett's prize for 25 'Mums—A. McKenzie.

Lager & Hurrell's prize for Orchids—R. Marshall.

Peter Henderson & Co.'s prize for 25 blooms—1, A. McKenzie; 2, J. F. Johnston.

W. E. Marshall & Co.'s prize—H. Gaut.

Vaughan's Seed Store prize—F. Petroccia.

Weeber & Don's prize—1, J. F. Johnston; 2, H. Gaut.

Hitching's silver cup—A. McKenzie.

Lord & Burnham Co.'s gold medal—R. Marshall.

Butler's special—H. Matz.

Julius Roehrs' prize—R. Marshall.

Stumpp & Walter Co.'s silver cup for Am. Beauty—V. Cleres.

Mrs. Brewster's prize—A. McKenzie.

Glen Cove Echo's prize—J. Everett, (largest bloom in show).

Mrs. Smither's silver cup for hardy 'Mums—G. Ashworth.

J. H. Troy's silver cup for Roses—J. Forbes, Jericho.

Rickards Bros. prize—A. McKenzie.

Mrs. Bucknall's prize—J. McDonald.

M. Underhill's prize—J. Reidenbach.

W. Week's prize—1, V. Cleres; 2, J. Everett.

Titus & Browne's prize—A. McKenzie.

M. Shottwell's prize—J. Everett.

M. Stapleton's prize—J. T. Ingram.

Bon Arbor prize—1, J. McDonald; 2, J. Everett.

H. Meyer's prize—1, A. McKenzie; 2, H. Matz.

The new Carnation seedling Brooklyn, exhibited by Chas. Weber, was awarded a cultural certificate.

OSCAR E. ADDOR, Cor. Sec.



ASCHMANN BROS.

FLORISTS
SECOND and BRISTOL STS. and RISING SUN AVENUE
PHILADELPHIA, PA.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii, 5½-6 in. pots, 40c. and 50c. each.

NEPHROLEPIS Bostoniensis, 6-in., 50c.; 7-in., 75c. each.

NEPHROLEPIS Whitmani, 4-in., 20c.; 5½-6-in., 40c. and 50c. each.

NEPHROLEPIS Scholzeli, 6-in., 50c. each; 4-in., 20c. each.

Our ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum. 3-in., $7.00 per 100.

PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.

DISH FERNS. Fine assortment, $4.00 per 100.

ASPARAGUS Plumosus Nanus. 4-in., $8.00 per 100.

PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.

PRIMULA Chinensis. 4-in., $8.00 per 100.

KENTIA Belmoreana. 4-in., fine plants, 30c. each.

COCOS Weddelliana. 3-in., strong plants, 20c. each.

Cash with order, please.

Our greenhouses are located only four miles from the center of Philadelphia (Market St.) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.
5-in. pots, 18 to 24 in. high, splendid plants, 75c. each.
7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	6.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each.
7-in. tubs, 3 plants in a tub, 36 in high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer.

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

Araucaria Excelsa

	Each
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Araucaria Excelsa Glauca

	Each
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 inches high	$2.50
9-in. tubs, 42 to 46 inches high	3.00
10-in. tubs, 46 to 48 inches high	4.00
11-inch tubs, 48 to 52 inches high	5.00
11-inch tubs, 52 to 54 inches high	6.00
18-in. tubs, specimen plants, 8 ft. spread	40.00

Pteris Wilsoni Fern

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	1000
5-in. pans	$25.00	
6-in. pans	35.00	
2¼-in. pots	3.50	$30.00

DREER'S PÆONIAS READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PÆONIA CHINENSIS

	Doz.	100	1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white center	$1.50	$10.00	$90.00
Achilles. Beautiful soft mauve, changing to rose tinted white	1.50	10.00	90.00
Andrs Lanries. A fine tyrian rose; late	1.25	8.00	75.00
Baroness ds Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy center	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duo de Cazes. Guard petals tyrian rose; center soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesss ds Nemours. An extra fine large pure white	2.00	15.00	
Delachei. Amaranth red	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers	$1.50	$10.00	$90.00
Festiva Maxima. Pure white, center petals tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur center	1.50	10.00	90.00
Humei. Rosy carmine; fine large flowers; late	1.25	8.00	75.00
Hnmei Rosea. Deep rose	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	2.50	25.00	
Lady Bramwell. A beautiful silvery-rose; of large size and fine form	1.50	10.00	90.00
Lonis Van Houtte. Brilliant crimson maroon; good size and free flowering	2.00	15.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; center delicate rosy-white	2.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine	3.50	25.00	
Mme. Crousse. Cream guard; blush-white center; tinted violet	$2.50	$25.00	
Paganini. Light solferino red with a lighter center	1.50	10.00	$90.00
Pomponia. Guard petals rosy mauve; primrose-yellow center, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white	1.50	10.00	90.00
Reine des Fleurs. Rosy pink	2.00	15.00	
Reine des Roses. Pale rose lilac; center cream and pink	3.00	20.00	
Victoire Modeste. Blush rose and white	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; center light salmon yellow	1.50	10.00	90.00
Whittleyi. An oldtime favorite white cut flower variety	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

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	Doz.	100	1000
Double Pink. Mixed sorts	.75	5.00	40.00
Double Red. Mixed sorts	1.00	7.00	60.00
Double Mixed. All colors	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

	Doz.	100	1000
Officinalis (Mutabilis) Alba. Blush white	1.50	10.00	
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00	
Officinalis Rubra. Crimson	1.00	7.00	
Tenuifolia flore plena. Crimson	3.00	20.00	

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc.

714 CHESTNUT STREET
PHILADELPHIA, PA.

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Please mention the Exchange when writing.

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KUTZTOWN, PA.—Fred N. Baer has added a third large greenhouse to his establishment.

HAMPTON, IA.—The Curtis Floral Co. has added a large storage room to its establishment.

ST. JOSEPH, MO.—Fred Krumm, of Krumm Bros., florists, was recently attacked by an unknown while sitting in a small bedroom connected with the greenhouse on Hansen ave. While dozing he received a blow on the head which rendered him unconscious.

Syracuse, N. Y.

Fall trade has opened up remarkably well, and promises to be a record breaker. 'Mums have the call. The store windows of Burt, Henckle, Morris and Quinlan are very attractive arranged with a very good assortment. Prices range from one to three dollars per dozen. Carnations and Roses are in good demand and are kept very closely picked; the former sell at 50c. upwards, the latter from $1 to $2.50 a dozen.

The first snow storm of the season visited us yesterday, Oct. 29. Some of wise weather prophets predict a long, hard Winter for us. I should like the opinion of the Onondaga Indians; they study Nature closer than most people and are generally correct. Some people think that is all rot, but I can recall the time when I was a boy when, if the Hawthorn hedges were covered with berries we had hard Winters. It was the same with Berberis aquifolia. It seems that an All-Wise Providence provided the birds with food when the ground was covered with snow. The Winters now and those of sixty years ago are vastly different, both here and in England. H. Y.

MCGRAW, N. Y.—W. D. Gates is building a new greenhouse and just starting in the business; he expects to raise pot plants for the present and, later, to go into the cut flower line.

Catalogs Received

M. HERB, Naples, Italy.—Novelties for 1911.

PAPE & BERGMANN, Quedlinburg, Germany.—Novelties for 1911.

J. T. LOVETT, Little Silver, N. J.—St. Regis Everbearing Raspberry.

ERNST BENARY, Erfurt, Germany.—Novelties for the Season 1910-1911.

DERVAES FRERES, Wetteren, Belgium.—Catalog of Miscellaneous Nursery Stock.

SHATEMUC NURSERIES, Barrytown, N. Y.—Price List of Bulbs for Fall Planting.

SLUIS & GROOT, Enkhuizen, Holland.—Advance Price List for Fall, 1910, of Vegetable Flower and Agricultural Seeds.

CALIFORNIA ROSE CO., Pomona, Cal.—Catalog of "Roses for the People." This catalog is particularly well illustrated and is very attractive in appearance. The business done by this company is entirely is Roses grown outdoors.

BAY STATE NURSERIES, North Abington, Mass.—A comprehensive Nursery Catalog, listing Deciduous and Evergreen Trees, Deciduous and Evergreen Shrubs, Vines and Climbing Shrubs, Hardy Roses, Herbaceous Perennials, Summer Flowering Bulbs and Roots and a Fruit Department with varieties adapted to the locality. The catalog is beautifully illustrated. The covers portray a novel idea in the way of a Rhododendron flower in its natural colors and with its glossy green leaves, the entire subject embossed on the paper stock.

FOUNDED IN 1888

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Society of American Florists

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Coleus, "Fanny Ross," by the J. W. Ross Co., Centralia, Ill., becomes complete. H. B. DORNER, Secretary.
October 27, 1910.

The Use of Hydrocyanic Acid Gas

There is evident a constant desire to use this powerful fumigant and all too little knowledge as to its effects on the various florist's crops in their different stages of growth. We would much like to hear from those of our readers who have used it, either successfully or unsuccessfully. To be of value the writer should give all facts in connection with his experiment. The name of the writer will be withheld if so requested.

The Chicago Flower Show

Secretary Burdett announces that many new exhibitors will figure at the show. Among the commercial exhibitors will be: Vaughan's Seed Store, Geo. Wittbold Co., Kidwell & Bro.; Schiller Floral Co., Frank Oechslin, John Cook, Peter Schilt, Poehlmann Bros. Co., Peter Reinberg, and many out-of-town people. There will be lectures and stereopticon views in the Annex, by Jens Jensen, consulting landscape gardener, O. C. Simonds, and Mr. Prost, our city forester. The arrangements are about complete and everything points to another most beautiful and successful flower show.

Chrysanthemum Society of America

Recent work of the Examining Committee is announced as follows:

Chicago, Oct. 22.—Seedling No. 64-09; color pink; 74 points commercial scale. Exhibited by Roepke & Rieman Co., Indianapolis, Ind.

Chicago, Oct. 22.—Seedling No. 3-09; color white; type Japanese reflexed; 78 points commercial scale. Exhibited by Roepke & Rieman Co., Indianapolis, Ind. At Cincinnati, Oct. 22.—Awarded 75 points commercial scale.

Cincinnati, Oct. 22.—Seedling No. 14-09; color Magenta pink; type Japanese incurved; 77 points commercial scale. Exhibited by Roepke & Rieman Co., Indianapolis, Ind.

Boston, Oct. 22—Chrysolora; color yellow; type Japanese incurved; 90 points commercial scale and 81 points exhibition scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich. At Chicago, Oct. 22.—Awarded 93 points commercial scale. At Philadelphia, Oct. 22.—Awarded 89 points commercial scale and 88 points exhibition scale.

New York, Oct. 22.—E. E. Nash; color blush, type Japanese; 85 points exhibition scale. Exhibited by A. J. Loveless, Lenox, Mass.

Chicago, Oct. 22.—Paper White; color white; type Japanese incurved; 91 points commercial scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich.

Horticultural Society of New York

The Fall exhibition of this Society will take place November 9 to 13, at the American Museum of Natural History, 77th st. and Columbus ave., New York City. Indications point to a large and interesting exhibition. Those who have exhibited here before know of the exceptional advantages offered at this institution for the display of exhibits, and of the ample space which can be allotted to each exhibitor. To those who contemplate exhibiting for the first time, it may be said that in this great building there is an abundance of room for all to make as large and effective an exhibit as they may desire. The floors are of stone, the ceilings high, the ventilation good, and the light, both day and night, excellent, all explaining the wonderful keeping qualities of the flowers noted by all visiting these exhibitions in the past. Each specimen can be given plenty of room, so that its beauties may be shown to the best advantage. Nothing destroys the beauty and artistic appearance of a fine specimen so much as crowding, trying to force a lot of material into small and cramped quarters. To appreciate the beauty of a specimen its individuality must appear. Then, too, the external surroundings of the Museum, its location in one of the finest residential sections of the city, and its ease of access by numerous transit lines, appeal to all who have visited it as one of the largest and finest devoted to natural history in the world.

Not only are the facilities for the display of flowers and plants unsurpassed, but the opportunity for decorative display is excellent. The alcoves opening from the main aisles present attractive inducements for such efforts. It is hoped that those interested in this important feature of floral display will take advantage of this opportunity to show what can be done. Such exhibits would be seen by many people who appreciate fully this sort of decoration, and are amply able to make use of it in their homes.

Schedules and entry blanks will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. As the secretary has more than he can properly attend to immediately before the opening of the exhibition, it is earnestly requested that all who intend to exhibit will send in their entries at as early a moment as possible, so that all the work will not come upon him at once.

English Horticultural Notes

This Year's Dahlias

In my last letter I named one or two of the best of the season's new Dahlias, and promised a complete list of the varieties which have been certificated. The list is as under, and I think includes them all. The societies awarding certificates are the Royal Horticultural of England (Premier society), and the National Dahlia:

American (Keynes).—Fancy Cactus, striped crimson over white.
Butterfly (Cheal).—Single; white with yellow zone.
Bridal Crown (Mortimer).—Garden Cactus, carmine, yellow center.
Cardinal (Cheal).—A scarlet single.
Clarissa (Burrell).—Garden Cactus, crimson-scarlet.
Crystal (Stredwick).—Exhibition Cactus, silvery pink.
Flagstaff (Stredwick).
George Ireland (West).—Pompon, bronze.
Golden Eagle (Stredwick).—Exhibition Cactus, golden-amber.
Garden Yellow (Shoesmith).—Garden Cactus, yellow.
Guinevere (Turner).—Pompon, pink and buff.
H. L. Brousson (Stredwick).—Exhibition Cactus, magenta pink.
Hon. Mrs. Greville (Cheal).—Garden Cactus, yellow.
Kingfisher (Stredwick).—Exhibition Cactus.
Loveliness (Seale).—Single, pink, crimson zone.
Loveliness (Turner).—Garden Cactus, pink.
Mary Ferrier (West).—Garden Cactus, rich crimson.
Model (Mortimer).—A double Show var., rich pink.
Minerva (Turner).—Garden Cactus.
Mrs. Usmar (Cheal).—Garden Cactus, scarlet carmine, gold base.
Mrs. Langdale (Cheal).—Garden Cactus, pink, gold base.
Mrs. Joynson Hicks (Cheal).—Single, rich yellow with crimson zone.
Mrs. Douglas Fleming (Stredwick).—Exhibition Cactus, white.
New York (Stredwick).—A star-shaped Cactus, pale yellow, rosy tips.
Ouida (Seale).—Single, rich crimson.
Onward (Stredwick).—Represents a new break in Exhibition Cactus, silvery pink, with gossamer, incurving petals.
Pink Beauty (Cheal).—Pompon, mauve heliotrope.
Princess Juliana (Whitelegg & Page).—A strong Decorative double, pure white; grand.
Rosette (Burrell).—Garden Cactus, magenta purple.
Sweet Briar (Stredwick).—Garden Cactus, rich pink.
The Moor (Mortimer).—Pompon, dark crimson.
The Earl (Stredwick).—Exhibition Cactus, crimson port.
William Pemberton (Mortimer).—A fancy double Show var., striped crimson over gold.
White Ensign (Stredwick).—Garden Cactus, primrose.

The firms' names and addresses are: Burrell & Co., Cambridge; Cheal & Sons, Crawley; Keynes, Williams & Co., Salisbury; S. Mortimer, Rowledge, Farnham, Surrey; M. V. Seale, Seven Oaks; H. Shoesmith, Claremont Nurseries, Woking; H. Stredwick & Son, Silverhill Nursery, St. Leonards-on-Sea; Charles Turner, Slough; J. T. West, Tower Hill, Brentwood, Essex; Whitelegg & Page, Chislehurst, Kent.

The Exhibition Cactus varieties I believe are not the style you favor in America. Our best for your demands would seem to be the Garden Cactus kinds, which are varieties of good decorative merits, on stout stems. They are being encouraged with us, though they have been neglected for long. I know I can safely recommend Garden Yellow and Princess Juliana for the American trade; but the complete list may be useful and of some value.

There has been an unprecedented demand for the Peony-flowered kinds which lately came out of Holland, and which have "caught on"; but our committees won't look at them yet, to give any certificates. But neither would they look at the "American" Carnations when they first came over! The best of the "Decorative doubles" and Peony-flowered Dahlias are Holman Hunt, Landseer, Liberty, Van Dyck, Salome, Glory of Baarn, King Leopold, Albatross, Turner, South Pole, Dr. Hogg, Cannell's Favorite (Cannell & Sons, Swanly), and Colosse.

Carnation White House

This has been certificated by the Royal Horticultural Society, and shown by Wells & Co., Merstham, who had it from Mr. C. H. Totty of Madison, N. J., who handles the Wells specialties in America. Others certificated are Lady Allington, a splendid pink, from Stuart Low & Co., Enfield; and a white and a scarlet, both excellent in their way, from C. Lange, Hampton.

New Chrysanthemums

Here are some varieties that will just suit the American market. They are all large flowered doubles, stiff, full, bright, on long good stems, and have all come from the same grower—W. Roots, Cranford, Middlesex—and all been certificated, showing that he has struck a fertile line: Betty Spark, glistening silver pink; Hollycot Golden; Hollycot White; Hollycot Yellow; Hollycot Pearl White. The Golden and the White strike me as the best. They are all highly spoken of, and flower in mid-September.

J. HARRISON DICK.

Courses in Floriculture at Massachusetts Agricultural College

The short course in floriculture at the Massachusetts Agricultural College, Amherst, this year promises to be one of the most successful ever given. The registrations for the course are coming in rapidly and a good attendance is anticipated.

The department of floriculture is endeavoring to make its work valuable, not alone to the students taking the regular four years' course but to the practical florists as well. The short course of twelve weeks during January, February and March is intended to reach just these people. Tuition is free, and the only expenses are for board, textbooks and the traveling expenses incidental to observation visits to florists' establishments in the State.

A large number of florists should avail themselves of this opportunity to get a large amount of valuable information at a slight expenditure of time and money. The course has been given two years, and thirty men and women from various parts of the United States have taken it. Most of these now have excellent positions and all are of the opinion that they benefited vastly from the course, the value of which lies in the fact that all branches of floriculture are taught by specialists.

One of the most successful florists in Connecticut, who is a graduate of the four years' course at the College, recently said that the course he found most helpful was that given in plant pathology; he had found it especially valuable in combating plant diseases.

The course given by the floricultural department will cover, as thoroughly as time will permit, those aspects of the work of special interest to the growers. Some of the topics to be considered are: Greenhouse construction; greenhouse details, such as ventilators, gutters, benches, etc.; greenhouse furnishings and equipment; heating; florists' crops; and florists' trade.

In addition to these lectures, given by Professor White, other courses will be given: Entomology, by Dr. Fernald and his assistants; plant diseases, by Dr. Stone; soil fertility, by Prof. Hurd; fruit growing, by Professor Sears. Additional courses along similar lines of agricultural and horticultural subjects may be taken as time will allow.

The lectures will be given in the morning, and the afternoons will be spent in practical work in the greenhouses, which are splendidly equipped for the work. A working suit will be necessary for this work. Saturdays will be devoted, as usual, to visits to the practical greenhouses for observations regarding methods. Among the ranges to be visited are those of H. W. Field, Northampton; Montgomery Bro.'s Rose establishment, Hadley; the College conservatories at Smith College and Mt. Holyoke College; A. N. Pierson, Inc., Cromwell, Conn.; Joseph Beach & Son, South Hadley; G. N. Sinclair, Holyoke; Peter Fisher, Ellis; Waban Rose Conservatories, Natick; Wm. Sim, Cliftondale; Thomas Roland, Nahant, and others.

One of the most valuable features of the course has been the talks given by practical men not connected with the college. This year a week will be devoted to greenhouse construction, and, aside from the regular lectures of the department, talks will be given that week by R. O. King, of the King Construction Co., North Tonawanda; a repre-

sentative of the Lord & Burnham Co., Irvington-on-Hudson; and a representative from Hitchings & Co. of New York. During second week, greenhouse heating will be considered. F. J. Elder, heating expert of the Lord & Burnham Co. will speak on this subject. Other talks during the course will be given by the following gentlemen on the subjects mentioned: W. H. Elliott, Brighton, Mass.—Rose Culture; Eber Holmes, Montrose, Mass.—Rose Culture; M. A. Patten, Tewksbury, Mass.—Carnations; C. W. Ward, Queens, Long Island—Carnations; C. H. Totty, Madison, N. J.—Chrysanthemums; W. N. Craig, North Easton, Mass.—Orchids; E. J. Canning, Northampton, Mass.—Some Hardy Herbaceous Perennials the Florist should Grow; J. Otto Thilow, Philadelphia, Pa.—Subject to be announced; Edward MacMulkin, Boston, Mass.—The Retail Trade.

Men and women from any State in the Union are eligible for this course. Additional information may be had from Prof. W. D. Hurd, director of short course, or from E. A. White, professor of floriculture, Mass. Agricultural College, Amherst, Mass.

Exhibition of the Pacific Coast Hort. Society

The annual Autumn flower show under the auspices of the Pacific Coast Horticultural Society and the California State Floral Society was opened on Oct. 20 at 2 p.m. in the Norman Hall of the Fairmont Hotel. The display represented a wide geographical range and a variety of plants and flowers dazzling even to a Californian accustomed to the flora of the Golden State.

This year's exhibition was probably the largest and most effective display that has yet been presented by the two Societies, and attracted a very large attendance of people who were expert in the knowledge of gardening, as well as those who were merely lovers of flowers. Both found keen satisfaction, and each evening turned itself into a promenade of flower enthusiasts.

The Norman Hall, where the principal part of the exhibition was held, is probably one of the finest halls of its kind in the world and is admirably suited for an affair of this kind. The large room was flanked with branches of Palms, Ferns, Bamboo and Oak branches beautifully Autumn tinted, the entire scheme of decorations being under the direction of President Mataria and ex-President Plath, both masters in the art of color harmony.

This year, the place of honor was taken by the MacRorie-McLaren Co., which staged an exhibit the like of which is very seldom seen in this country. A large part of the hall had been reserved for its use, and that the space was used to good advantage was evident to the thousands of people who crowded round the exhibit each day of the show. The main idea of this exhibit was to show Nature at home, and for this purpose immense quantities of old tree stumps had been used, along with huge boulders, to fashion a shady dell. Tree Ferns were also used in quantity, with a most pleasing effect, the whole being finished off with over forty varieties of Orchids and many rare varieties of Ferns. Dan MacRorie, who had charge of the arrangement of this exhibit, is to be congratulated upon the result of his labors. It won the cup given for the best arrangement of flowers and foliage plants for effect. The company also carried off the handsome cup for the best collection of Orchids arranged for effect, with an exhibit of unusual quality and which was much commented upon.

This year a most prominent feature was the table decorations, some half dozen tables showing the decorator's art. In this class J. Seulberger won first prize, H. M. Sandborn second, and Pelicanno & Rossie third. A table set up by Eugene de Sabla (W. Hill gdr.) was favorably commented upon for its rich simplicity, and it was well worthy of a prize.

In the classes for Chrysanthemums, Henry Goertzien was easily first with blooms of splendid quality. Miss Crocker won first prize for four vases of Roses, also first for twenty-five varieties of Chrysanthemums, for best specimen Pandanus, and for the best hanging basket of Ferns. H. de Young won first prize for best assortment of Chrysanthemums and second prize for best assortment of Dahlias. Eugene de Sabla won first for the best Cattleya in flower, first for the best any Orchid, and the silver cup for the best collection of greenhouse and stove foliage plants. This latter exhibit was especially noticeable and Edw. Hill deserves credit for the fine quality of the plants shown and for the taste evinced in their arrangement. Wm. Kettlewell won nine first prizes in the classes for Dahlias, and two firsts for vegetables. For the best collection of Ferns a handsome silver cup was offered, and it was won by H. Plath, with a collection which would be hard to beat at any show in the country. Mr. Plath also carried off the prize for the best hanging basket of foliage plants and for the best lot of Dracenas.

In the classes for Carnations, Domoto Bros. were easily first. E. James of Elmhurst showed a splendid collection of Ferns in pots, which were much talked about. In the class for 12 Cyclamens, Mr. James was also first, with twelve magnificent specimens.

In the Rose classes the E. W. McLellen Co. were well to the fore with blooms of good size and substance.

Golden Gate Park was represented by a group of outdoor flowers, which covered a large part of the hall and received much attention from visitors.

The judges for table decorations and baskets were: Mrs. Eleanor Martin, Mrs. Peter Martin and Mrs. M. A. Tobin. In the professional classes the judges were: E. Schwerin, Sydney Clack and Geo. Walters. In the amateur classes the judges were: John MacLaren, J. W. Bagge and T. A. Munro. J. Mataria was manager of the show and was ably assisted by H. Plath, whose long and varied experience with shows was of much service.

B.

Fourth Annual Exhibition of the Florists' Club of Washington, D. C.

The fourth annual exhibition of the Florists' Club of Washington, D. C., held this season in connection with the Householders Exhibition, opened with a sacred concert at 2 p.m. on Sunday last, at Convention Hall. The entire south end of the large hall, containing 10,500 sq. ft., was taken up by the florists with one of the most elaborate displays ever attempted. The Club's individual display was at the extreme south end of the hall. The wall was covered with white cotton, over which was draped wild Smilax. To the right was a very large painting of Fushimi, the sacred mountain of Japan. Before this was a well executed rustic bridge, leading to a dainty Chinese pagoda or tea house.

The central, and most conspicuous feature was the large Greek temple effect, with its many white steps and columns which latter were topped with Boston Ferns. Other portions were decorated with Kentia Palms and large vases of tall 'Mums.

To the extreme left was an old Dutch windmill, on the sails of which were vari-colored electric lights. Beyond was a well executed representation of a snow clad mountain, with a rough white surface and moss; while the approach, to correspond with the opposite side, was by way of a rustic bridge. Under this bridge was a pool of water with large stones and mossy sides.

The florists' section of the hall was divided by a rustic fence and gateway, and huge vases mounted on pedestals and filled with Palms and Ferns.

The various exhibitors and exhibits were as follows:

J. H. Hammer & Sons, pot grown Begonias, some of 22 varieties grown, the seeds of which were collected by E. A. Moseley, Secretary Interstate Commerce Commission, as a result of extensive research throughout Europe. The plants formed a very handsome group and were well grown.

Gude Bros. Co. occupied two large tables with American Beauty, Ivory, My Maryland, Perle, Golden Gate, and other Roses, and a large collection of tall single stemmed 'Mums, among which was an unknown variety of lavender color which attracted special attention. Many Ferns and Palms were also used on these tables.

Theo. Deitrich, Anacostia, D. C., showed a well grown collection of potted Pompons, in several colors.

W. W. Kimmel, 14th st., N. W., made an artistic display with ornamental metal window boxes, filled with white and yellow Pompon 'Mums some edged with Box, and others with Whitmani Ferns, while the center of the table was ornamented with two large metallic vases of Maj. Bonnaffon 'Mums.

Geo. Field, Brightwood ave., showed a tableful of cut sprays of Oncidiums, Cypripediums, Vanda cœrulea, a delightful shade of blue, and several varieties of Cattleyas.

Ley & Bickings, of Good Hope Hill, Anacostia, D. C., had a large and varied collection of Ferns, arranged in a circle, with each variety labeled, in an endeavor to show the evolution of the Fern from the parent plant at the top, on down to the newest varieties at the outer edge. This idea was original, and cleverly worked out with 21 distinct varieties of Nephrolepis.



New Chrysanthemum Lady Carmichael
C. H. Totty, Madison, N. J., Grower

W. A. Bolinger of Bethesda Park, Md., showed vases of cut Pompon 'Mums.

Geo. C. Shaffer, 14th and I sts., N. W., had a table and mantel decoration, changed daily. Sunday night the centerpiece for the table was yellow 'Mums and Cattleyas; the mantel was of Boston Fern. Mr. Shaffer also had a large vase of mixed Chrysanthemums, and a latticed arch of yellow Pompons and Autumn leaves and miniature red, white and blue lights beneath which was a display of 'Mums, Crotons, etc.

Mayberry & Hoover, 1339 14th st., had a table and mantel decoration. The centerpiece on Sunday was a high cornucopia of large Chrysanthemums, with Ferns beneath. The mantel was trimmed with Whitmani Ferns and small Palms.

Geo. H. Cooke had a table decoration consisting of a large log filled with the new Rose Irish Melody and Farleyense Ferns; and around this were five smaller and similar pieces. The mantel was decorated with Ferns and Palms.

The U. S. Botanical Gardens had a most interesting and unique display of tropical and sub-tropical plants, comprising between 70 and 80 varieties and species.

Edw. S. Schmid showed a fine collection of aquatic plants, Japanese dancing mice and novelties.

G. Edw. Schultz, 304 10th st., N. W., had a table of interesting bulbs and grass seeds.

Among the out-of-town exhibitors were Moon & Co. of Morrisville, Pa., with a group of hardy evergreens in tubs and boxes.

Henry A. Dreer of Riverton, N. J., sent also a fine collection of hardy evergreens, including Box bushes and Bay trees.

JAS. L. CARBERY.



The MacRorie-McLaren Orchid Exhibit at the Pacific Coast Hort. Society's Show, San Francisco, Cal.

Chrysanthemum Society of America

NINTH ANNUAL MEETING

The ninth annual meeting of the Chrysanthemum Society of America was held at the Morris County Golf Club, Morristown, N. J., on Wednesday evening, Nov. 2. The Society's annual exhibition was held at the same place, in conjunction with the annual show of the Morris County (N. J.) Gardeners and Florists' Society.

While the attendance was not particularly large, it was very representative. Among those present were Alex. Montgomery, Natick, Mass.; Wm. Nicholson, Framingham, Mass.; Thos. J. Grey, Boston; Robert Craig, Philadelphia; Alex. Fraser, Newport, R. I.; A. H. Wingett, Lenox, Mass.; Louis Dupuy, Whitestone, L. I., N. Y.; Eugene Dailledouze, Paul Dailledouze and Henry Dailledouze, Brooklyn, N. Y.; John N. May, Summit, N. J.; Harry Turner, Port Washington, N. Y.; J. A. Manda, West Orange, N. J.; and C. H. Totty, Arthur Herrington and Wm. Duckham, Madison, N. J. President Elmer D. Smith, Adrian, Mich., and Secretary C. W. Johnson, Morgan Park, Ill., were unable to be present. In the absence of the president the chair was ably filled by Vice-president Eugene Dailledouze, who appointed Arthur Herrington secretary pro-tem.

The business of the meeting opened with the reading of the president's address, which was as follows:

President Elmer D. Smith's Address

Members of the Chrysanthemum Society of America:

Another year has passed and we are again assembled to consider ways and means for the betterment of our Society. The membership is far too small when we consider the vast number interested in the Queen of Autumn. The desire to gain knowledge is apparent from the many inquiries showered upon those conversant with such topics, and yet we seem unable to bring these inquirers within our fold. We should have five hundred more enrolled as members of good standing. Will some one please suggest a plan to bring about this end? No florist who grows any quantity of Chrysanthemums can afford to remain aloof. He owes this obligation to himself for the practical knowledge that may be gained. At New York, last year, I suggested we consider the affiliation of this Society with the Society of American Florists and Ornamental Horticulturists. I still believe it is our best course to take. We certainly have nothing to lose with the possibility of much to gain. I hope at this meeting the subject will be thoroughly discussed.

One change in the scale for judging exhibition blooms has been proposed, reducing the number of points allotted to size and adding same to color. If such a course meets your approval, it should be remembered that size is quite an important factor in considering varieties which are suited for this purpose and especially so if color or long necks prevent them from being considered from a commercial standpoint. If I were permitted to express my views I would say that color is of equal importance to fullness, form and depth, even from an exhibition point of view. Should you decide to make them equal, the new scale would then be: Color, 15; Foliage, 5; Fullness, 15; Form, 15; Depth, 15; Stem, 5; Size, 30.

The fine specimens displayed in the exhibition hall are positive proof there has been no retrogression and it affords me great pleasure to know our course is upward and onward. Some ten years ago a worthy gentleman at one of the Western shows, in responding to his toast, stated that the limit in size had been reached and it was folly to try to produce larger ones. I will leave it to you to decide the truth of this statement by bringing to mind those shown at that time in comparison with those before you today. As in the past, there are still many possibilities; soil that is still unturned, and so it behooves us to keep our eyes to the front and strive for greater achievement.

This has been a very trying season in the development of Chrysanthemums. In the Middle West we had ten days in early March with the thermometer around the 80 mark and a cold April and May. Through June, July and August, the weather was warm and the air very dry, with practically no precipitation during these months. October, the month for finishing, has been extremely warm for the buds to expand freely and many cases of burning have resulted therefrom. As near as I can learn these conditions have prevailed to a certain degree throughout the country so that many have suffered losing fine blooms. Hope is the anchor of the soul and so we must wish for better conditions another year.

Since our last meeting one of the world's most prominent originators has passed to the Great Beyond, M. Ernst Calvat of Grenoble, France. His products have been very popular both in England and America. While most novelties are soon cast aside, and later products take their places, yet there were several originated by this worthy raiser which have gladdened the hearts of all exhibitors and are, today, among the best for this purpose; I refer to such varieties as M. Loiseau-Rousseau, Pres. Viger, Mme. Carnot, S. A. Naceur Bey, Chrysanthemiste Montigny and Pres. Loubet.

Before adjournment we should decide on the next meeting place and I would suggest that our vice-president be selected from the same city or immediate vicinity. I wish to thank the press who have so kindly printed our notices, and the members of the committees who have given their time, regardless of other duties, to be on hand to examine seedlings. I am assured these gentlemen are benefactors not only to this Society, but to the growers at large in pointing out such of the new creations as are best adapted to the various purposes.

In leaving the president's chair I have but one wish, which is that this Society may grow to be stronger in every particular so that its influence for good will be felt far and near. Thanking you for the many courtesies extended, and wishing you one and all success, I bid you adieu.

The chairman pointed out that the proposed change in the scale for judging exhibition blooms was a subject for discussion, and invited opinions in regard to it. Mr. Duckham expressed himself as being in favor of it. While it seemed necessary to have the big flowers nowadays the color quality should not be lost sight of, and he was in favor of the change. Mr. Turner also thought the question of color a most important one; a color that could be used in both daylight and artificial light should be aimed for, and while he thought color should not count before size, the present scale would permit of the proposed amendment. Mr. Totty was also in favor of the change and made a motion, which was seconded by Mr. May, that the amendment suggested by Mr. Smith be adopted.

The question of affiliation with the S. A. F. and O. H. was taken up by Mr. Totty, who advocated the affiliation in the best interests of the trade and the Society. The chairman argued against such a step, claiming that the Society was doing special work with which it should not lose its identity. The subject was not further discussed.

The secretary read the report of Secretary Johnson, which was, on motion, ordered filed.

Treasurer May then presented his report, which showed a balance of $292 in the treasury. The report was referred to an auditing committee consisting of Messrs. Duckham, Totty and Herrington, who reported it for acceptance.

Mr. Dupuy drew the attention of the meeting to the fact that the Société Horticole of France was raising, by public subscription, a fund for the erection of a memorial to the late M. Calvat, the noted French Chrysanthemist, and as the deceased gentleman had done so much for the flower which the C. S. A. represented he believed it would be most fitting and proper that the Society contribute to such fund, or that its members themselves individually make contributions. The chairman thought Mr. Dupuy's suggestion a good one. Any man, he said, who gave up his time and money to advance a good cause should be thus remembered. Mr. Duckham and Mr. Herrington also were in favor of the idea, but considered that the subscription should be made by the Society for the reason that in that way it would be better appreciated. On motion of Mr. Herrington the sum of $25 was directed to be sent to the Société as a contribution to the Calvat memorial fund.

Mr. Wingett directed attention to the many courtesies extended and hard work done by the members of the Morris Co. G. and F. Soc., in connection with the exhibition this year, and moved a vote of thanks, which was heartily given.

The secretary read an invitation from the St. Louis Horticultural Society to hold the next meeting and exhibition of the C. S. A. in that city. Upon motion of Mr. Totty the invitation was accepted.

Elections of officers resulted as follows: President, Elmer D. Smith, Adrian, Mich. (re-elected); vice-president, C. H. Totty, Madison, N. J.; secretary, C. W. Johnson, Morgan Park, Ill. (re-elected); treasurer, John N. May, Summit, N. J. (re-elected).

Secretary Herrington read the following paper by W. W. Wells, Merstham, England, which had been prepared at the suggestion of the Society.

The American System of Growing 'Mums in England

I will give you a few details respecting the behavior of some of the 'Mums we have planted in the benches in our new house. First of all, let me tell you we have made several mistakes. One, is, we tried too many sorts (nearly 200), for we felt we wanted to give a fair trial to all worthy varieties, but many of the bounders have proved very unworthy, for although the center plants had ten feet of head room many would have pushed the glass off had their stems been stiff enough, and among the tall ones are some only five feet high, so you may guess the house looks rather "higgledy piggledy."

Mistake No. 2.—We were too anxious to see how the trial would answer, so we were tempted to secure a large number of buds toward the end of July and early in August; not one of these gave us a good flower, for they nearly all burned or damped off.

Mistake No. 3.—We planted them in too great a bulk of rather rich soil and our very extremely cold Summer was altogether unfavorable.

Mistake No. 4.—When we built the house it was wet weather and the floor inside got pretty well pounded down and, instead of loosening this to drain the water away easily, we built the piers for the benches upon it, consequently, after the water passes through the benches it stands in puddles under the benches for a time and causes dampness in the house, and when the benches are watered they retain the moisture too long.

You will think this is a long list of mistakes, and yet—there is another, viz.: We planted half the house with 'Mums and half with the "White House" Carnations; when the 'Mums are in flower they don't want quite as much air as the Carnations, and the fog takes liberties with open ventilators.

I will give you the height of a few of those we are trying so that you will see they are not all of the Wells-Totty-Pockett lot.

Duchess of Sutherland, damped, 9 ft.	1st Crown
F. S. Vallis, good, 8 ft.	2d Crown
Gen. Hutton, not in flower, 10 ft.	2d Crown
G. J. Buggard, not much, 8 ft.	2d Crown
Lady Talbot, fairly good, 8 ft.	2d Crown
Mme. P. Radaelli, not in flower, 9 ft.	2d Crown
Mme. G. Rivol, not in flower, 9 ft.	2d Crown
Mary Donnellan, coming good, 9 ft.	2d Crown
Master David, not full, 8 ft.	2d Crown
Miss M. Ware, good, 9 ft.	2d Crown
Mrs. N. Davis, good, 9 ft.	3d Crown
Thos. Stevenson, in bud, 10 ft.	2d Crown
W. Gooding, small, 10 ft.	2d Crown

Now for a few which promise to be good (the best comes at last): Algernon Davis, very nice; Alice Lemon, lovely color; C. H. Totty, good, the best color I have seen; Frank Payne, very nice; Lady Hopetoun, grand color and good; Miss M. Ware, very nice; Mrs. C. H. Totty, the best I have seen; Mrs. Frank Pearse, lovely; Mrs. L. Thorn, lovely; Pockett's Surprise, promises well; W. Mease, promises well.

Now for my candid opinion: If I was certain that I could grow flowers like many I saw over your side last Fall, I'd try, try, try again, but our Summers won't do for us what yours do for you, and I am figuring out which of the two methods are best and the result of the ballot is in favor of our old method. I have a conscience, and that conscience would not let me persuade a new man (old 'uns wouldn't have it) to build a house and grow 'Mums under the American plan. I am not condemning it after what I saw on your place, but even without the mistakes I made, "White House" Carnations will answer better in the summing up.

After votes of thanks to the retiring vice-president and Mr. Herrington for his services as manager of the exhibition, the meeting adjourned.

MORRIS CO. (N. J.) GDRS. AND FLORISTS' SOCIETY AND AMERICAN CHRYSANTHEMUM SOCIETY'S EXHIBITION.

The fifteenth annual show of the Morris County Gardeners and Florists' Society, in conjunction with the annual exhibition of the Chrysanthemum Society of America, was held at the Morris County Golf Club, Morristown, N. J., on Wednesday, Thursday and Friday, Nov. 2, 3, 4.

The number of entries was large and the exhibits of cut blooms, and groups of decorative plants, occupied the entire available space in the club house, to such an extent that in the staging crowding resulted in many cases. In some cases, also, a too high staging of blooms robbed them of their best effect. On the whole, however, the arrangements were excellent. A large tent adjoining the club-house held the plants of potted Chrysanthemums and vegetable exhibits, and the displays of the various seed houses.

The most pronounced feature of the exhibition was, of course, the exhibit of cut blooms of Chrysanthemums. The display of Carnations and Roses was, perhaps, next in importance. The groups of decorative plants shown were very attractive and added greatly to the success of the show.

The promptness of the judges, who finished their work by 6 p.m. on Wednesday, is certainly commendable and the management is to be congratulated on an attractive, pleasing, and successful show, such as stimulates higher work in floriculture and horticulture, both among professional gardeners and commercial growers. In fact, the 1910 show of both societies is said by those who are most competent to give an opinion in the matter to be by far the best ever given in this section in recent years, and to surpass any show of a similar character given anywhere by any society.

The exhibits of cut blooms of 'Mums in the various classes were wonderfully fine, including many 1910 novelties, and the pot-grown plants shown in the annex tent were very remarkable specimens of the growers' skill, and included all the types of 'Mums used for this purpose.

Among the 1910 novelties the following were conspicuously fine: Mrs. David Syme, Howard Gould, W. Wood Mason—which won the prize for the largest 'Mum, with a bloom 12 in. x 9 in.—Mrs. W. A. Read, Kara Dow, and R. F. Felton.

The Carnation entries were quite numerous; the quality of the blooms was very notable and the competition close. The exhibit of Roses was also large and very meritorious.

Bobbink & Atkins showed a fine corner group of decotive plants. John Jones, Convent, N. J., put up an attrac-

tive table of Orchid plants in bloom. Joseph A. Manda's table of Orchid plants showed a very effective arrangement. The Orchid exhibit by Lager & Hurrell was very notable. The arrangement of the display of decorative plants by the Julius Roehrs Co. was in excellent taste.

In the tent, the vegetable display was large and of great merit and there was among the fruits a fine display of Grapes. Arthur T. Boddington showed a large motor lawn mower, and his exhibit of everything in the seedsman's line was very complete indeed; arches in front of his exhibit, made by the use of garden implements and wire forms were covered with wild Smilax. The Stumpp & Walter Co. and Vaughan's Seed Store also had large and effective exhibits.

Among the commercial exhibitors who were large winners of prizes were Charles H. Totty, Madison, N. J., who was fairly covered with honors; Edward Behre, Madison, N. J.; Traendly & Schenck, grower Samuel Redstone, Rowayton, Conn.; Henry Hentz, Jr., Madison; Lager & Hurrell, Summit, N. J.; Robert M. Schultz, Madison; L. B. Coddington, Murray Hill, N. J.; Righter & Barton, Madison; Wagner Greenhouses, Madison; Joseph A. Manda, West Orange, N. J.; Julius Roehrs Co., Rutherford, N. J.; L. A. Noe, Madison; and Wm. Muhlmichel.

Of the private gardeners names most often in evidence on the prize cards were those of Harry Turner, Wm. H. Duckham, Wm. Kleinheinz, Edward Reagan, James Fraser, Alexander McKenzie, N. Butterbach, J. T. Burns, Harold B. Vyse, Peter Duff, Max Schneider, and John Watson.

The awards of prizes were as follows:

Chrysanthemums—Cut Blooms

60 Flowers in 20 vars., 3 of each—1, Mrs. D. Willis James, Madison, N. J., gdr. W. H. Duckham; 2, Howard Gould, Port Washington, L. I., gdr. Harry Turner.

36 Flowers in 6 vars., 6 of each—1, Howard Gould.

18 Flowers in 6 vars., 3 of each—1, Otto H. Kahn, Morristown, N. J., gdr. James Fraser; 2, Dr. D. H. McAlpin, Morris Plains, N. J., gdr. John Downing.

12 Flowers in 12 vars.—1, John S. Lyle, Tenafly, N. J., gdr. Joseph Kennedy; 2, Dr. D. H. McAlpin; 3, Otto H. Kahn.

Special Prize offered by the Madison Eagle, Madison, N. J. 10 flowers, any yellow variety—1, Mrs. D. Willis James; 2, "Ogontz," Philadelphia, Pa., gdr. Wm. Kleinheinz; 3, Percy Chubb, Glen Cove, N. Y., gdr. Alexander McKenzie.

10 Flowers, any pink var.—Howard Gould.

10 Flowers, any white var.—1, Howard Gould; 2, C. N. Bliss, Oceanic, N. J., gdr. N. Butterbach; 3, Percy Chubb.

10 Flowers, any crimson var.—1, C. N. Bliss, with Pockett's Crimson; 2, Howard Gould, with Pockett's Crimson.

10 Flowers, any other color—C. N. Bliss; 2, Howard Gould, with Mrs. O. H. Kahn; 3, Mrs. W. E. Strong, Rumson, N. J., gdr. Frank Dogan.

Special Prize offered by Stumpp & Walter Co., 50 Barclay St., N. Y. City. 6 Flowers, any pink var.—1, Otto H. Kahn; 2, Charles Hathaway, East Orange, N. J.; 3, Glimpsewood Manor, Morristown, N. J., gdr. F. W. Clark.

6 Flowers, any white var.—1, Miss C. A. Bliss, New Canaan, Conn., gdr. John Burns; 2, Geo. W. Young, Deal, N. J., gdr. James Kennedy; 3, Otto H. Kahn.

6 Flowers, any yellow var.—1, Woodcrest Farm, Rifton, N. J., gdr. F. W. Clark; 2, Otto H. Kahn, with Col. D. Appleton; 3, Glimpsewood Manor.

6 Flowers, any crimson var.—1, Otto H. Kahn, with Pockett's Crimson; 2, Willard P. Voorhees, New Brunswick, N. J., gdr. Edward McElhaney, with Pockett's Crimson; 3, Mrs. D. Willis James, with Seedling "F. 1."

6 Flowers, any other color—1, Robert D. Foote, Morristown, N. J., gdr. W. R. Foraker; 2, Charles Hathaway.

Vase of flowers with foliage—1, Otto H. Kahn; 2, Dr. D. H. McAlpin.

24 Flowers in 24 vars., stems not over 12 in.—1, Howard Gould; 2, J. T. Pratt, Glen Cove L. I., gdr. J. W. Everitt; 3, John C. Elliott, Madison, N. J.

Special 1st Prize, Lord & Burnham, Gold Medal; 2d, $15; 3d, $10. 12 Flowers in 12 vars.—1, Robert D. Foote; 2, Howard Gould; 3, E. H. Wells, Montclair, N. J.; gdr. Alexander Robertson.

6 Flowers in 6 vars.—1, Paul Dana, Glen Cove, N. Y., gdr. John F. Johnston; 2, Mrs. John Crosby Brown, Orange, N. J., gdr. Peter Duff; 3, Otto H. Kahn.

Display of Pompon vars.—1, David F. Roy, Marion, Mass.; 2, E. H. Weatherbee.

12 Vases, singles in 12 vars.—1, J. F. Pratt; 2, Paul Dana; 3, Dr. D. H. McAlpin.

Special Prize offered by R. & J. Farquhar, 6 and 7 So. Market St., Boston, Mass, for largest Chrysanthemum flower—Howard Gould, with a 9 in. x 12 in. bloom of W. Wood Mason.

Special Prize of silver cup offered by Hitchings & Co., N. Y. City, for 3 vases, 10 blooms to a vase, in 3 vars.—1, Howard Gould.

36 Flowers in 36 vars., to be shown on mossed boards—1, Charles H. Totty, Madison, N. J.

10 Flowers, any yellow var.—1, Charles H. Totty.
10 Flowers, any white var.—1, Charles H. Totty.
10 Flowers, any pink var.—1, Charles H. Totty.
10 Flowers, any crimson var.—1, Charles H. Totty.
10 Flowers, any other color—1, Charles H. Totty.

Grand Sweepstakes Prize Cup—Competitors: Conn. Agricultural Society, Walter Angus, Chapinville, Conn.; Nassau Horticultural Society, Percy Chubb; New Jersey Hort. Society, Mrs. John Crosby Brown, gdr. Peter Duff; Mass. Hort. Society, D. F. Roy, Marion, Mass.; Penn. Horticultural Society, Wm. Kleinheinz. Winner: Mrs. D. Willis James; Wm. Duckham, gdr.

Roses

36 American Beauty—1, L. A. Noe, Madison, N. J.; 2, Henry Hentz, Jr.

12 American Beauty—1, Madison Cut Flower Co.; 2, Righter & Barton, Madison, N. J.

25 Bride—1, L. A. Noe; 2, Henry Hentz, Jr.

25 Bridesmaid—1, L. A. Noe; 2, Henry Hentz, Jr.; 3, Robert M. Schultz, Madison, N. J.

25 Pink Killarney—1, L. A. Coddington, Murray Hill, N. J.; 2, Wagner Greenhouses, Chatham, N. J.; 3, Edward Behre, Madison, N. J.

25 My Maryland—1, Edward Behre, Madison, N. J.; 2, Chas. H. Totty.

25 Richmond—1, Robert M. Schultz; 2, Wagner Greenhouses; 3, Edward Behre.

25 Any other white Rose—1, Edward Behre; 2, M. C. D. Borden, Oceanic, N. J.

25 Any other Rose except white and the above named vars.—1, Chas. H. Totty.

12 Bride—1, L. B. Coddington; 2, Righter & Barton; 3, Madison Cut Flower Co.

12 Bridesmaid—1, Righter & Barton; 2, C. N. Bliss.

12 Pink Killarney—1, Wm. Muhlmichel, Madison, N. J.; 2, C. N. Bliss.

12 My Maryland—1, "Ogontz"; 2, Edward Thebaud, Morristown, N. J., gdr. Edward Reagan; 3, O. H. Kahn.

12 Any other white Rose—1, "Ogontz"; 2, Wm. Muhlmichel; 3, Wagner Greenhouses.

12 Any other Rose except white and the above named vars.—1, "Ogontz"; 2, C. N. Bliss.

15 Blooms, any new var. named or unnamed yet undisseminated—1, Chas. H. Totty.

3 vars. in 3 vases, 12 blooms to a vase, open to all—1, Edward Behre; 2, Chas. H. Totty.

Carnations.

4 vases, 18 blooms each, 4 vars.—1, Traendly & Schenck, Rowayton, Conn., grower Samuel Redstone; 2, Mrs. D. Willis James; 3, G. F. Neipp.

4 vases, 12 blooms each, 4 vars.—1, Traendly & Schenck; 2, G. F. Neipp; 3, "Ogontz."

2 vases, 12 blooms each, 2 vars.—1, G. F. Neipp; 2, Chas. Totty; 3, E. D. Adams, Seabright, N. J., gdr. Geo. H. Hale.

1 vase 25 blooms, pink.—1, Mrs. D. Willis James; 2, Dailledouze Bros., Flatbush, N. Y.; 3, Traendly & Schenck.

1 vase, 25 blooms, white—1, C. H. Totty; 2, Mrs. D. Willis James; 3, Howard Gould.

1 vase, 25 blooms, red—1, C. H. Totty; 2, Traendly & Schenck; 3, G. F. Neipp.

1 vase, 25 blooms, any other color—1, Mrs. D. Willis James; 2, Chas. H. Totty.

1 vase, 12 blooms, pink—1, Miss C. A. Bliss; 2, E. D. Adams.

1 vase, 12 blooms, white—L. A. Thebaud; 2, E. D. Adams.

1 vase, 12 blooms, red—1, Mrs. J. W. Cromwell, Summit, N. J.; 2, E. D. Adams.

1 vase, 12 blooms, any other color—1, Mrs. J. W. Cromwell; 2, Miss C. A. Bliss.

1 vase, 18 blooms, any undisseminated var.—C. H. Totty.

Special prize offered by Chas. B. Gee. 1 vase, 18 blooms, any variety in commerce—Traendly & Schenck.

Violets.

1 bunch, single blue, 100 flowers—1, Chas. Hathaway, gdr. Max Schneider; 2, Dr. D. H. McAlpin; 3, John F. Lyle.

1 bunch, double blue, 50 flowers—1, L. A. Thebaud.

1 bunch, single blue, 50 flowers—Chas. Hathaway; 2, L. A. Thebaud.

Groups and Plants

Group of flowering and foliage plants, exclusive of Chrysanthemums, on a floor space of 100 sq. ft. Arranged for effect—1, Mrs. D. Willis James.

Group of Chrysanthemums in pots, arranged for effect, on a floor space of 50 sq. ft.—1, Dr. D. H. McAlpin; 2, Glimpsewood Manor.

Specimen pink Chrysanthemum, plant in flower, any size pot or tub—1, Dr. D. H. McAlpin.

Specimen white Chrysanthemum plant in flower, any size pot or tub—1, Dr. D. H. McAlpin; 2, Mrs. John Crosby Brown.

Specimen yellow Chrysanthemum plant in flower, any size pot or tub—1, Mrs. John Crosby Brown; 2, Dr. D. H. McAlpin.

Specimen any other color Chrysanthemum plant in flower, in any size pot or tub—1, Dr. D. H. McAlpin.

12 Chrysanthemum plants in pots, not over 6 in. in diameter, in 12 varieties, single stem—1, Howard Gould; 2, Dr. D. H. McAlpin.

6 Chrysanthemum plants, single stem, pots not to exceed 6 in. in diameter, in 6 varieties—1, Mrs. John Crosby Brown; 2, Howard Gould.

Specimen plant Begonia Gloire de Lorraine, any size pot or pan—1, Mrs. J. W. Cromwell, gdr. John Watson.

6 plants Begonia Gloire de Lorraine, white or pink—1, Otto H. Kahn; 2, Mrs. D. Willis James; 3, Glimpsewood Manor.

Specimen Fern, any variety—1, Otto H. Kahn; 2, Chas. A. Work, Madison, N. J.

6 plants suitable for table decoration in pots not to exceed 6 in. in diameter—1, O. H. Kahn; 2, Mrs. D. Willis James; 3, L. A. Thebaud.

Silver Sup offered by Vaughan's Seed Store for best specimen single-stem Chrysanthemum plant in flower, any variety, any size pot or tub—1, Mrs. John Crosby Brown; 2, Dr. D. H. McAlpin.

Orchids

Special prize offered by Aphine Manufacturing Co., Inc., Madison, N. J., for exhibit of Orchid plants arranged for effect on a round table, 6 ft. in diameter. No other plants allowed—1, M. C. D. Borden; 2, Lager & Hurrell; 3, John Jones.

Exhibit of cut Orchids on a table 6 ft. by 3 ft., suitable cut foliage permitted—1, J. A. Manda.

Cattleya plant in flower—Lager & Hurrell.
Oncidium plant in flower—Lager & Hurrell.
Vanda plant in flower—Lager & Hurrell.
Cypripedium plant in flower—Lager & Hurrell.
Dendrobium plant in flower—Lager & Hurrell.
Any other Orchid than above—Lager & Hurrell.

Special Prizes

Special prize offered by Bobbink & Atkins, Rutherford N. J., for one specimen Kentia—1, Glimpsewood Manor; 2, O. H. Kahn.

Specimen Palm, other than Kentia—1, Mrs. D. Willis James; 2, Dr. D. H McAlpin

Special prize offered by the F. & F. Nursery Co., Springfield, N. J., for specimen Conifer in pot or tub—O. H. Kahn.

Special prize offered by Henry A. Dreer, Philadelphia, for specimen plant of Pteris Childsii in pot or pan, not over 8 in. in diameter—1, L. A. Thebaud.

C. S. A. special prize Silver Cup for best 10 blooms any Chrysanthemum, one variety—Howard Gould.

Wells & Co., Merstham, England, special prizes of gold medal, silver medal and silver gilt medal for best 6 blooms Chrysanthemum Howard Gould—1, Howard Gould.

Wells & Co. special prizes of gold medal, silver medal and silver gilt medal for best three vases of single Chrysanthemums in three varieties, six sprays of each variety—1, Dr. D. H. McAlpin.

Lord & Burnham Co.'s special prize of gold medal for best 30 blooms Chrysanthemums in six varieties, introductions 1909-1910, open to private gardeners only—Harry Turner, Castle Gould.

Hitchings & Co.'s annual special prize of silver cup, value $25, for best six vases, six varieties, five blooms in each vase, open to all—Howard Gould.

Chas. H. Totty special prize silver cup, value $50, for best 12 blooms Chrysanthemum R. F. Felton—Howard Gould.

Wm. H. Duckham special prizes for best six blooms Chrysanthemum Onunda—1, Robert D. Foote, Morristown, N. J.

Anton C. Zvolanek special prize for best three varieties three blooms to a stem, any Chrysanthemum—A. R. Whitney Estate, Morristown, N. J.

H. A. Dreer special prize for six blooms of any American raised seedling—Elmer D. Smith & Co., Adrian, Mich., with the variety Lenox.

San Diego Floral Association's Fall Show

The Fall exhibition of the San Diego Floral Association was held on Oct. 17, in the Palm Court of the new U. S. Grant Hotel, San Diego, Cal. This mammoth building is a beauty in architecture, built of reinforced concrete, and the Court is in the front, on the second floor. Pergolas, made of timbers six inches square, were beautifully festooned with greenery, among which electric light bulbs appeared at night, with pleasing effect, but not in sufficient quantity for a good view of the flowers. Nothing but an arc light will do to make perfect an exhibition of bloom after nightfall.

At every flower show there are exhibitors who excel, either in what they display, or in the manner in which they make the display, and sometimes both. In this instance, E. Bernard, proprietor of Mission Valley Nursery, San Diego, had a collection, from his lath house, of Ferns, Palms, Conifers, Aspidistras, and other stock—hardy in the open in this climate, and found in quantity in every well regulated nursery on this Coast—arranged *en masse*, in the most artistic manner I have yet seen at any flower show. The display of Chrysanthemums was made entirely from flowers grown in the open, and considering the method by which they were grown they were excellent. The Dahlias were very fine, and Howard & Smith of Los Angeles distinguished themselves by exhibiting a lot of seedlings of their own production for the first time; they are yet unnamed, and at this show one of the best was christened Alfred D. Robinson, after the president of the Association. A very remarkable method this progressive firm employed to get these flowers from Los Angeles to San Diego in perfect condition, was boxes 2x4 ft. by 6 in. deep, with damp Sphagnum in them. The board covers were covered with white muslin. In the covers were gimlet holes large enough to admit the stem of a flower, which lay flat on the cover. These boxes were covered with muslin on a stout frame, which permitted of the stacking of the boxes in transit. The cost of transportation was great, but the advertising of such a display will make the expense a good investment. The patrons of the show hovered over this display more than any other.

D. W. Coolidge of Pasadena had on exhibition 35 varieties of Ferns, well grown, and 25 varieties of sub-tropical fruit. E. D. Sturtevant of Hollywood made a fine display of Water Lilies.

Mr. Otto of San Diego had a large collection of potted Chrysanthemums, Palms and nursery stock, also some good Roses from the open. Mrs. F. T. Cripps, an amateur, displayed a fine collection of Dahlias and Begonias.

Dr. Francis H. Mead of San Diego had a collection of Ferns, well grown, and an Odontoglossum grande, with six flowers equal to the best I have ever seen, and, having been grown in a lath house the scape on which they grew was but six inches high, stout enough to support the flowers, large as they were—an object lesson in growing this gorgeous flowering plant which all gardeners on this Coast may study with profit.

Alfred D. Robinson, president of the Association, a man of means, and a grower of plants for pleasure, took first prize on Dahlias, and Carnations grown in the open. He had on exhibition some fine baskets of Rex Begonias, and a Boston Fern, five years old, grown in a box 18 in. square and a foot deep, that was fully 6 ft. in diameter, a beautiful pyramid of green 3 ft. high; also an Alsophyla australis, 2 ft. high, 10 ft. spread of top, every frond perfect; all of these specimens were grown in a lath house.

The result of these shows will be a greater appreciation of flowers on the part of the public, and a quickened impulse on the part of gardeners, both amateur and professional, to a more thorough study of the requirements of plants and flowers for their best growth and development, which will ultimately culminate in the greatest botanic garden the world has ever known. P. D. BARNHART.

The Florists' Exchange Design Book

The new edition of the Design Book, now ready for delivery, will be found a decided improvement upon all former issues; it has been completely remodeled and contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.



New Am. Seedling Chrysanthemum No. 64
C. H. Totty, Madison, N. J., Grower



C. H. Totty, Madison, N. J.

Probably at no commercial establishment in the country, and especially around New York, can so much be seen of interest to florists as at the establishment of Charles H. Totty, Madison, N. J., just now. By this is meant such a variety of interesting new things destined to figure more or less in florists' offerings in the near future. One has been accustomed to visit Totty's annually to see Chrysanthemums particularly, but since the taking over of the Florham Farms greenhouses the nature of Mr. Totty's business has been greatly changed, and the spirit of progressiveness which characterized his work in Chrysanthemums is featured now in other lines as well, and makes a visit doubly interesting.

Chrysanthemums, however, are the main objects of a visit at this time, and it is found that the number grown is larger than ever. One great house accommodating a galaxy of new varieties and some of last season's novelties has such a charm that one is loath to leave it. In it that grand variety of two seasons ago, Pockett's Crimson, is conspicuous indeed, with its immense flower heads of crimson, with peeps of gold. Judging from show records already this season it appears to have lost none of its prestige as a leader in its color class.

The Wells-Pockett novelties of this year are Lady Carmichael, F. T. Quittenton, Mrs. G. C. Kelly and E. M. Byrnes. Lady Carmichael is a pure white Japanese reflexed, with a tremendous stem and perfect foliage; the foliage in this variety conforms in all respects to the American idea of foliage right up to the flower, therefore her ladyship should prove to be a valuable variety. The color of Mrs. G. C. Kelly is old rose, with a silvery reverse, a very strong grower, easy doer, and a newcomer bound to make its mark as an exhibition variety. E. M. Byrnes, christened on the day of the writer's visit, is the nearest approach to scarlet that we have; the color is positively dazzling, and it is the most striking thing in this house, which contains, by the way, some four hundred varieties. F. T. Quittenton is a heavy growing crimson, a variety of much promise, one which did not burn a petal throughout this trying season and which on that account alone should rank well among crimsons.

W. Wood Mason is a variety which will compel other leaders in its class to look to their laurels. Mr. Pockett was right when he described this as his finest crimson. The flower photographed was 12½ in. in diameter, and larger flowers of it, Mr. Totty says, have been seen this year. There is enough bronze in its color to insure that it will not damp; another year this variety will possibly be conspicuous as "the largest flower in the show" at most all exhibitions.

Only two of the new American varieties are worthy of serious notice, Mr. Totty says. F. E. Nash is one; it is a light pink Japanese, and planted early, and given sufficient time for its development should gain the distinction of being one of the largest of the exhibition varieties. The other, known as American seedling No. 64, is a pure white, of perfect shape, with good stem and foliage. Mr. Totty says it was the only really good seedling he got out of some 66 tested the second year.

Of last season's novelties the variety Mrs. D. Syme is looking splendid. Mr. Totty says it has lived up to his endorsement of last year, and he considers it now the finest exhibition white. Alice Finch, a purple crimson with a silvery reverse, quite prominent in last year's novelties, is very striking in its color, and something most collections are short of; it should certainly hold its own as an exhibition variety. Rose Ellis, another of last year's introductions, is seen this year with an enormous flower, light pink in color, but it can only be used in the short stem classes, as its stem is very weak. Alice Lemon, also a 1909 introduction, presents a grand appearance, one of the largest varieties in the establishment.



New Chrysanthemum E. M. Byrnes
C. H. Totty, Madison, N. J., Grower

This season has been a hard one for Chrysanthemums, and it could hardly be expected that Mr. Totty had coped successfully with the disadvantages presented by heat and drought. Such a season has, however, shown how certain varieties can make a most excellent showing in spite of conditions, and one of the best to be seen at Totty's is R. F. Felton, sent out this year, a magnificent full golden yellow; it seems to have fairly revelled in discomfort, and has all the characteristics of a superb commercial yellow; it is to be hoped this variety will figure quite largely in commercial stocks, as it deserves to do.

The varieties W. M. Moir, O. H. Broomhead, Rose Pockett, Mrs. Stevens and O. H. Kahn, which have figured prominently in the shows of the last two years are presenting an appearance in keeping with the honors they have won. The variety Pockett's Surprise is not showing fully developed flowers yet; apropos of this variety, E. G. Hill has remarked that he got a dollar apiece for its flowers at Thanksgiving in Chicago last year. Pockett's White Australia, a new variety, is quite conspicuous; this variety last year produced a flower 9 in. across and 12 in. deep; it is on the order of Mme. Carnot.

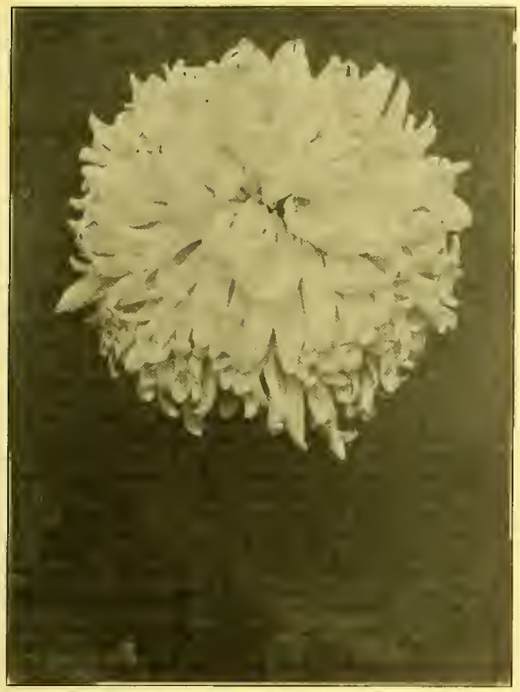
Carnations are more prominent than ever at the Totty establishment, and here are to be seen some of the novelties of last season in preparation for dissemination. The most striking of all at the present time is Princess Charming, an introduction of Henry Eichholz of Waynesboro, Pa., and which Mr. Totty is to disseminate in conjunction with the originator and the Chicago Carnation Co. of Joliet, Ill. This is a delicate pink variety, something on the order of Enchantress. It is evidently an excellent cropper, extremely vigorous in habit, and pleasing both as regards flower and stem. In color it is not materially different to Enchantress, but its advantages over that variety are great. Mr. Totty received 1000 plants during the very hot weather and lost only two plants; there has not been a sign of stem rot he says. The wholesale florists speak very highly of the keeping qualities of the flower; it can be knocked around for three or four days, they say, and still look good—and it does not go to sleep. Our photograph shows flowers cut on Oct. 28 while the writer was in the greenhouse.

Carnation Wodenethe, the 95 point white, is making a fine growth, but Mr. Totty thinks he will not send it out until after next season. White House, the Dailledouze introduction, is looking well, and will no doubt figure highly in the fancy class; it is to be disseminated this Winter. The pink Sangamo looks grand, quite as well as the writer has seen it in its own home, at A. C. Brown's, Springfield, Ill. Some benches of White Enchantress, the Denver strain, are very noticeable, and the variety is highly thought of here. Dorothy Gordon, James Whitcomb Riley—Bertermann's Yellow—Bay State, and one or two other varieties are being tried out, and with the exception of the last appear to be in excellent shape.

The Rose houses here are in the pink of condition, although not really on crop. Mr. Totty grows Roses mainly



Carnation Princess Charming
C. H. Totty, Madison, N. J., Grower



New Chrysanthemum F. E. Nash
C. H. Totty, Madison, N. J., Grower

for stock to fill catalog orders, but it is noticed he generally has plenty of fine flowers when prices are high, due no doubt to the rigorous pinching back practiced. Pink and white Killarney, Richmond, Rhea Reid, Mme. Abel Chatenay, Ivory, Golden Gate, Bride, Bridesmaid, and My Maryland, comprise most of the staple sorts. Among the newer varieties is Radiance, John Cook's new one, a handsome pink, which has made a most sturdy growth and looks the picture of health; and Lady Hillingdon, the new English yellow forcing Rose, which comes fairly up to expectations. The yellow Mrs. Aaron Ward is also benched to the extent of a few plants. A decided novelty is a white sport of Mrs. Jardine, of which, of course, nothing can yet be said.

At the old range the houses are principally devoted to Chrysanthemums, Singles, Anemone, and Pompon varieties, and a most pleasing show they make. To attempt to describe the beauties of these varieties would entail too much time. All are good, but some are better than others, the difference being mainly due to individual taste. Asked as to whether a selection of them would be a profitable stock for a florist to grow, Mr. Totty pointed to a block of a few hundred outside, still beautiful in spite of frosts, with the remark that the block had brought him in $20 a day for many days.

Chrysanthemum Show of the New Jersey Horticultural Society

The sixteenth annual exhibition of this Society was held in Lindsley Hall, Main st., Orange, N. J., Oct. 29, afternoon and evening.

Lager & Hurrell of Summit, N. J., staged an attractive display of Orchids, for which they received a first-class certificate. W. A. Manda of South Orange, N. J., showed his attractive Fern, Polypodium Mandaianum, and received a first-class certificate.

Wm. Reid, gdr. for S. M. & A. Colgate won the silver cup offered by John R. Le Count of Maplewood in Class 1 for the best 24 cut Chrysanthemums, six varieties, four flowers of each.

Among the principal prize winners were:

Wm. Reid, securing seven first and three second prizes in Chrysanthemums, Roses and Carnations; Max Schneider, three firsts in Chrysanthemums and one first in Violets; A. F. Larson, first for American Beauty Roses, Mme. Abel Chatenay, Bridesmaid and Bride, and three firsts for Carnations. Other prize winners were Frank Drew, Fritz Berglund and Harry Moran. Thomas Jones of Short Hills won first for best Orchid in flower.

Certificates were awarded for other exhibits, not in competition, to Malcolm MacRorie and Max Schneider for Chrysanthemums; John Hayes for Chrysanthemums and Carnations; Wm. Reid for Chrysanthemums and Roses.

The judges were Philip Cox and Alex Robertson, both from Montclair.

WM. REID, Sec'y.

Novelties from Germany

Among the novelties offered for 1911 by the well-known grower, F. C. Heinemann of Erfurt, Germany, we find listed the following, with introducer's description:

VERBENA HYBRIDA GIGANTEA.—A new giant flowered Verbena, with trusses over 4½ in. across. The present novelty, which Mr. Heinemann claims is an advance over all Verbenas, is really in a class by itself. It contains a large percentage of red colors of various shades, such as Tyrian rose, purple garnet, Turkey red, geranium red, bright rosy scarlet and others. When it is understood that most Verbena mixtures incline to blue shades, the value of this acquisition will be readily noted. The florets are enormously large (1¼ in. diam.) and have, without exception a large brilliant white eye, imparting great effect to the flower.

DIANTHUS HEDDEWIGI MARGINATUS.—Single, silver-edged Japan Pink. Compact growing, free flowering and fairly dwarf, bearing its medium-sized flowers freely and quite regularly above the foliage; the flowers are dark blood red with purple hue; a uniform white edge, bordering the flower, is slightly fringed.

GLOXINIA HYBRIDA CRASSIFOLIA CRISPA "WATERLOO."—Produces gigantic sized flowers; has a vigorous soft green foliage, giving the plants a healthy appearance, thus conducing to their market value. The flowers have a broad open throat with seven petals, two more than the majority of crassifolia varieties. The edge is slightly undulated and ruffled, giving the flower, in spite of its enormous size, an appearance of elegance which distinguishes it from the more or less awkward looking flowers of the older varieties. The purple-black color of the flower shades toward the edge into a shining crimson.

SALPIGLOSSIS VARIABILIS SUPERBISSIMA "NEW EMPEROR SALPIGLOSSIS."—The brilliant velvety violet of this new introduction is veined with bright gold. The plants have the same general habit as other Emperor Salpiglossis varieties of Mr. Heinemann's introduction, and he is sure this one will be gladly received as a welcome addition to the collection.

New Rambler Rose Wartburg

This is a seedling of Tausendschön, the result of cross-fertilization, and nearly all of the latter's good qualities have been transmitted to it. It has no thorns and is entirely hardy. Its habit is very robust; branches of a year's growth have made a length of 13 ft. The leaves are a fine dark green, and are never affected by mildew. The flowers are of a fresh, carmine pink, with petals that are twisted somewhat like those of certain Dahlias; they are about the size of those of Crimson Rambler. They come in large panicles in extraordinary profusion, and their season is a long one for a Rambler; plants were still in flower this last September, although the Rose season was a much earlier one this year than usual in Germany. Wartburg, therefore, indicates its tendencies as a Remontant. It is named after the Wartburg, the most famous of all the German feudal castles, and a number have been planted around this historic spot where Martin Luther translated the Bible. This Rose was originated by Herman Kiese of Vieselbach near Erfurt, Germany, who also originated Leuchtfeuer (Bright Fire).—*Moeller's.*



New Chrysanthemum W. Wood Mason
C. H. Totty, Madison, N. J., Grower

Exhibition of Forced Shrubs and Perennials

The exhibition of forced shrubs and perennials, which will be held in Boskoop, Holland, April, 1911, has met with very good support, and will, in its extent and importance, fairly surpass all the committee's expectations. His Royal Highness, Prince Henry, has consented to become a patron of the exhibition and the royal family have promised several medals. The hundreds of exhibits will require much more space than we expected at first, so that the space occupied by the exhibition will be at least 3400 sq. meters. There will be exhibits in almost every class. The number of novelties amounts already to 77. One can, therefore, easily understand that Boskoop is working with enthusiasm and that everything possible will be done to make the exhibition one of the most successful that has ever taken place in Holland.



Chrysanthemum Mrs. David Syme. Awarded the C. S. A. Silver Cup
By Howard Gould, Port Washington, L. I., N.Y., (Harry Turner, gdr.)

The Rochester (N.Y.) Second Annual Flower Show

Headed by the 54th Regiment Band, an automobile procession arrived at the entrance of Convention Hall at 2 p.m. on Tuesday, Nov. 1, at which time the second annual flower show of the Rochester Commercial Florists' Association was scheduled to be opened.

In the procession were the mayor and many other city officials, escorted by the officers of the local Club, these attending the opening exercises of what promises to be a very successful affair.

Months ago, the members of the local Florists' Club formulated plans for this event, to carry out which in every detail has called for an immense amount of labor and expense, the main hall being used for the display of groups, while the exhibition hall is used exclusively for the working out in miniature of a scene in Japan. The idea of this was secured by F. J. Keller from a famous painting which, when put into a working plan by S. Alling DeForest, a prominent local landscape architect, has enabled the completion of as neat a reproduction as could possibly be secured. Standing in the front of the exhibit, one sees the distant setting sun gradually disappearing behind a snow-capped peak, the clouds resplendent with coloring such as is only seen in the "land of the setting sun." This forms a background on a canvas screen in the front of which are built mountains, hills and dales down which a winding river wends its way into an immense lake, over which several truly Japanese bridges lead one from the mainland to some islands, one also leading to the hill path following which the pedestrian finds himself in front of his worshiping shrine. Trees, rocks, and Japan dwarfed evergreens, besides many water plants, are used for the general effect, the entire soil (?) being covered with closely cropped Clover sod, over which one can reach winding paths to the distant villas, etc., by following the stepping stones.

In order to appreciate this piece of work more fully one should have a little knowledge of things Japanese. Every rock, tree, bridge and other scenic effect, has its place and name in the plan of this "Hill Garden" as it is called, as on the plan (which we hope to print next week) are found Guardian, Stone, Cliff, Worshiping, Waiting, Moon Shadow and other stories, which are placed in their respective positions, and are according to Japanese traditions. In trees we have Tree of Solitude, Tree of the Setting Sun, Stretching Pine, Distancing Pine, and others. Mountains: Companion Mountain, Distant Peak, Near Hill, Near Mountain, Mountain Spur. Accessories: Garden Well, Lanterns, Garden Gate, Boarded Bridge, Plank Bridge, Stone Bridge, Water Basin Garden, Shrine and, in the immediate foreground, a Japanese tea house, all of which have been faithfully reproduced to the smallest detail.

Around the entire scene has been made a bamboo picket fence, except where the two walks are, the entrance to which is through a small Japanese structure, from which fanciful design lanterns are hung. Reaching fully around the scene is a Japanese street, over which were built Shinto arches at regular intervals, through which one comes upon a Japanese tea house, where tea is made by a real Japanese, and served by American girls dressed in Japanese costumes. On one side of the street, and behind more bamboo pickets, one can comfortably enjoy some real Japanese tea, with sandwiches, while a string orchestra, artfully hidden behind a screen of Palms, Chrysanthemums, etc., discourses sweet music. The beauty of the scenery was intensified by the beautiful light effects; electric bulbs were placed in varicolored and many sized Japanese lanterns, these, hanging to a bamboo framework covered with wild Smilax, suspended between the ceiling and floor.

The working out of this scene is in no small measure due to J. M. Keller, who has accomplished much work for outdoor landscape effects, with the very efficient help of every member of the Florists' Association whom he could impress into the service. A very commendable feature is that every detail of this exhibit was completed fully two hours before the show was opened to the public; it required fully a week, working many extra hours, before the end was in sight.

The flower show proper was a veritable garden, immense flower beds of various shapes flanking the wide winding walks. These groups were completed by the local florists, each being in charge of some one firm, and were contributed to by practically every man owning a store or greenhouse, every group being finished to conform to a general plan drawn by the landscape architect and approved by the officers and members of the Association.

Many of these groups deserve especial mention. That of Salter Bros. represented a corner in a Japanese garden with rockery, numerous plants of every description, grass, pebble walks, water falls, and other Japanese effects, the whole presenting a beautiful and attractive design. J. B. Keller Sons decorated an immense circle, with Palms, Ferns, Crotons, 'Mums and many other interesting plants. Inside this circle about 30 bandsmen were screened from view, while directly back of the leader's platform was a vase, fifteen feet high, holding about 75 blooms of Chrysanthemum Pres. Taft.

Robt. Ballantyne, gdr. to Mrs. F. F. Thompson, Canandaigua, N. Y., built an immense bank of potted plants entirely around and in front of the speakers' platform. This collection contained some of the finest potted Chrysanthemums seen in this city and included many of the latest introductions as well as singles and the Pompon varieties. Orchids, Crotons, purple Salvia, Ferns, Palms and other choice products of "Sonnenburg" made this exhibit much admired.

The City Park department, under direction of John Dunbar, Assistant Park Superintendent, placed a very complete collection of Cacti on show, and although these can be seen any time at the city's greenhouses, the public seem to be more interested in them while in the hall.

Conrad Vallertsen staged about 200 specimens from his herbarium. This collection is one highly prized by local florists, and many wished they owned it. Altogether there are some 300 and more subjects which have been treated, the whole forming one of the most complete in this section of the State.

John Petrie, gdr. to Geo. Eastman, grouped a very fine collection of Chrysanthemums and other plants as well as cut flowers. Interspersed with these was Oak and other natural foliage, the display presenting a truly Autumn effect, and very creditable.

Colin Ogsten, gdr. to Mrs. Wm. Kimball, showed the results of his handiwork in some beautiful plants in basket shapes of Lorraine Begonia. These were suspended on heavy 10 ft. high tripods, while, placed between each, were some vases which contained the largest flowers in the hall, and were of the F. S. Vallis, Pres. Taft, Mary Donnellan and other types. The color scheme was perfect, many stove and other plants being used for the general effect. A separate group contained many plants of



Pompon Chrysanthemum Queen of Whites
C. H Totty, Madison, N. J., Grower

the famous collection of Mrs. Kimball's Orchids, including Cattleyas, Cypripediums, Oncidiums and others, all of which were greatly admired.

Others, whose labors and plants added very materially to the completion of the plan, were Geo. B. Keller with a very fine group of many varieties of decorative plants, Begonia Lorraine and Chrysanthemums. Walter Tickner, a landscape gardener, built an imitation English castle, around which were tastily arranged shrubs, flower beds, gravel walks, huge rocks, all of which represented in detail a typical English scene, the whole being fenced off with a heavy gilt chain festooned between posts. E. Berry, gdr. to H. W. Sibley, exhibited a beautiful group of stove and other plants. Chrysanthemums in many varieties formed quite a prominent part of this exhibit, and showed excellent culture. Potted Celosias added quite a little to its general appearance.

Ellwanger & Barry sent for exhibition a very complete collection of evergreens grown in tubs. Plants grown in this way can be shipped anywhere, at any season of the year, thus ensuring success when planting. E. R. Fry contributed a very pretty group of foliage and flowering plants, as well as Carnations and other cut flowers. H. E. Wilson grouped in a creditable manner many varieties of decorative and flowering plants, intermingled with which were some pretty baskets filled in an attractive manner with plants and tied with varicolored ribbons to match.

Vick & Hill Co. set up a group of its products, including Ferns, Palms and potted 'Mums, which embraced many very fine single flowering kinds.

F. Schlegel & Sons, Chas. Suhr, H. C. Salmon, Crossman Bros., Thomann Bros., Jacob Thomann, Geo. Boucher, Geo. Crooke Co., F. H. Specht, W. D. Oviatt, R. Pringle, and others, each devoted much time and good material to the grouping of their respective products, all of which received their full share of appreciation.

Out-of-town exhibitors were Chas. H. Totty, who sent a very generous donation of his famous cut Chrysanthemums, which showed his usual good culture and care in shipping. F. R. and P. M. Pierson of Scarboro, N. Y., sent 100 American Beauty Roses; these arrived in prime condition and looked well in their conspicuous position.

Julius Roehrs Co., Rutherford, N. J., sent a very fine collection of foliage plants, Orchids of several varieties, and some plants of Celosia Pride of Castle Gould which, as a novelty, were freely commented upon and admired, and for which the firm deserve the thanks of the florists.

H. A. Dreer of Philadelphia, expressed a fine collection of products. These are so well known as to need no description here. After being unpacked and arranged, every plant was in the best of condition and showed the high standard of the Dreer culture.

A very pleasant feature in connection with this flower show is that no prizes are offered, and no florist seeks financial gain in any way other than what might come to him in the general lines of advertising. A good spirit ruled throughout the entire preparations, all florists with whatever help could be spared from their respective greenhouses or stores, giving a hand wherever necessary, the whole being under the direct charge of F. J. Keller as chairman of the decorative committee. Chas. Vick, as general manager of the flower show, was here, there and everywhere, lending aid and giving advice as only Charles can.

Fred. W. Vick, as president of the Florists' Association, assisted greatly, his many years' experience at flower shows enabling him to give valuable suggestions.

Vases of Roses placed in conspicuous places contained such varieties as Radiance, Melody, White Killarney, Pink Killarney, My Maryland, Mrs. Aaron Ward, Mrs. Wm. H. Taft and Kaiserin Augusta Victoria. These had ribbon streamers attached, with name placed on in gold letters, which fact added greatly to education and interest of the visitors.

A. H. S.

The Tarrytown Hort. Society's Flower Show

The twelfth annual show of this Society was opened to the public at 3 p.m. Tuesday, Nov. 1, and ran until Thursday. Weather conditions were all that could be desired and the attendance was large. Much credit is due to the Society's secretary, Edward W. Neubrand, who was untiring in his efforts to make the exhibition a success.

The staging of the exhibits was not confined to the hall itself but extended from just within the entrance along the side of the stairways into the anterooms and up into the balcony boxes. On the whole it was well done, but a crowding of some of the exhibits of Chrysanthemum blooms on the far sides of the hall was noted. One very commendable feature was the staging of the exhibits on low tables and benches so that they could be easily seen by both judges and visitors.

The galleries were tastefully festooned with wild Smilax, and the fronts of the balcony boxes were adorned by the several exhibits of elegant plants of Begonia Gloire de Lorraine. The exhibition of cut blooms of Chrysanthemums was, as expected, the leading feature of the show; the number of potted plants of this flower was small. There were surprisingly few entries of Violets. The exhibits of groups of ornamental plants were well arranged and the plants themselves of a high order.

The display of Ferns, Palms, and other decorative plants, with vases of pink and white Killarney and Richmond Roses interspersed, by F. R. Pierson Co., Tarrytown, N. Y., occupied the whole front of the stage and was very attractive and meritorious.

The vegetable exhibit while not large was excellent. A notable part of this were the several exhibits brought out by the Burnett Bros. of 72 Cortlandt st., N. Y.. prizes, offered for collections of twelve outdoor grown vegetables, and six specimens of Burnett's Liberty Tomato. The Henry A. Dreer's prize offered for 3 ft. x 3 ft. box of vegetables brought out some good and well-arranged exhibits. The fruit exhibit was very small, but a table of 25 plates of Apples and 2 plates of Quinces, trimmed with Smilax and clusters of Crab Apples, in combination with Ampelopsis leaves, was one of the most tasteful exhibits in the hall. An exhibit of some gigantic bunches of perfectly grown Black Hamburg Grapes was the most meritorious of anything shown in the fruit line.

The following is a list of interesting awards made up to 10 p.m. Tuesday with names, in part, of the winning varieties.

Special Prizes

J. D. Archbold Prize, for best 12 blooms of Chrysanthemums, distinct varieties—1, W. A. Read, Purchase, N. Y.; Andrew McKendry, gdr. The varieties were Pres. Viger, Mease, Brighthurst, Glenview, Nellie Pockett, Pockett's Crimson, Merza, Rosseau, Naceur Bey, Totty, Niell, F. S. Vallis.

Ferd Hermann Prize, for the best 20 blooms of Chrysanthemums, distinct varieties—1, Joseph Eastman, Tarrytown, N. Y.; gdr. Robert Angus.

Pierson U-Bar Co. Prize, for the most effectively arranged table of decorative plants—1, Joseph Eastman. An elegant collection of Crotons displayed on table edged with plants of Panicum variegatum. A leading feature of the hall.

C. P. Johnson Prize, for the best collection of single Chrysanthemums—1, Mrs. F. A. Constable, Mamaroneck, N. Y.; gdr. James Stuart. An exceedingly beautiful collection, well staged.

David MacFarlane Prize, for the best 3 blooms of Chrysanthemums; 1 each white, pink and yellow—1, Adolph Lewisohn, Ardsley, N. Y.; gdr. John Canning, with F. S. Vallis, Beatrice May, Well's Late Pink.

A. T. Boddington Prize, for the best 6 blooms of Chrysanthemums, distinct varieties—1, James Speyer, Scarborough, N. Y.; gdr. Samuel Horn, with Mrs. L. Rossean, Leslie Morrison, Beatrice May, Frank Payne, Mary Donnellan, Glenview; all extra fine blooms.

Mrs. J. B. Trevor Prize, for the best 12 blooms of Chrysanthemums, any one variety—1, Frederick Potter, Ossining, N. Y.; gdr. Wm. C. Roberts, with Beatrice May; almost perfect blooms. 2, W. A. Read, with Merza; a fine exhibit.

Addison Johnson Prize, for the most effectively arranged vase of 18 blooms—1, Miss Blanche Potter, Ossining, N Y.; gdr. Geo. Wittinger, with Mary Donnellan, Cheltoni and Mrs. Wm. Duckham, all yellow.

Charles Mallory Prize of a silver cup, for the best 24 blooms of Chrysanthemums, 4 distinct varieties, 6 of each; stems to be 36 in. in length—1, Col. R. C. Clowry, Tarrytown, N. Y.; gdr. E. Trethewy, with Mrs. Wm. Duckham, Beatrice May, Mrs. O. H. Kahn and Yellow Miller.

Charles Vanderbilt Prize, for the largest Chrysanthemum bloom selected from all of the exhibits—1, W. A. Read, with Pres. Viger.

William F. McCord's Prize of a silver cup, for the best 3 plants of Begonia Gloire de Lorraine—1, W. A. Read, cultural certificate on 3 plants of Agatha.

Henry A. Dreer Prize, for the best plant of new golden-leaved Smilax—1, E. Weatherbee, Mamaroneck, N. Y.; gdr. Francis Milne.

Henry A. Dreer Prize, for the best box of Vegetables to be shown in a box 3 x 3 feet—1, Mrs. E. L. Cortey, Irvington, N. Y.; gdr. Edward Kane; 2, Richard Delafield, Tuxedo Park, N. Y.; gdr. Wm. Brock.

Burnett Bros. Prize for the best vegetables grown outdoors 12 species, 1 variety of each—1, Mrs. J. B. Trevor, Yonkers, N. Y.; gdr. Howard Nichols; 2, Richard Delafield.

Burnett Bros. Prize for the best 6 specimens of Burnett's Liberty Tomato—Watson H. Brown, Dobbs Ferry, N. Y.; gdr. John Holgerson.

Chrysanthemums in Pots

For best bush plant of white—1, Claude Wilson, Dobbs Ferry, with Garza, of remarkable size and beauty.

Best bush plant, yellow—1, E. H. Weatherbee, with La Chalonaise.

Best bush plant, pink—1, S. P. Lilienthal, Yonkers, N. Y.; gdr. Hamilton Scott, with S. Blaudener.

Chrysanthemums—Cut Blooms

Best 12 blooms, 4 varieties, 3 each—1, E. H. Weatherbee, with Merza, F. S. Vallis, Brighthurst, Glenview.

Best 6 blooms white—1, F. A. Constable, with Beatrice May.

Best 6 blooms yellow—1, James Speyer, Scarborough, N. Y., with Mary Donnellan.

Best 6 blooms pink—1, Fred Potter, Ossining, N. Y., with Miriam Hankey.

Best 6 blooms crimson—1, Wm. Rockefeller, with Pockett's Crimson; 2, Henry Siegel.



Hardy Phlox Eiffel Tower

Editor Florists' Exchange:

In a recent number of the EXCHANGE (Oct. 8, p. 649) your correspondent, Fritz Bahr, had an article on Phloxes. He praises the variety Eiffel Tower which he saw at Ellwanger & Barry's, saying he understood it was not yet sent out. We have furnished this kind to E. & B. the past three seasons; 200 the past season, and have been advertising it in our price list. The color is a beautiful salmon rose with distiuct purple eye.

JOHN CHARLTON & SONS.

Rochester, N. Y., Oct. 31, 1910.

Another Prescription for the Cut Worm

Editor The Florists' Exchange:

On page 785 of your last issue I notice an article recommending hand picking as an easy method of ridding Carnation benches of the brown cutworm. A much easier method, and one which I have found to be very effective, is to put little piles of sweetened bran, mixed with a little arsenic or Paris green, between the row of plants. It is best not to scatter the mixture too much, but rather keep it in small heaps or "windrows." The cutworm is very fond of this mixture and, after he has partaken of it, his name is "Dennis." The variegated form will probably not relish the dose any more than his dusky brother.

H. W. M., N. Y.

Late Dahlias

Editor The Florists' Exchange:

You may be interested in the fact that at this late date (Oct. 25) we are picking Dahlias by the bushel, ninety-eight miles north of New York. These are from cuttings made last Winter, as well as from old roots, all of which were planted out on the 25th and 26th of June. The earliest varieties were in bloom by Sept. 1.

We send you a few of the varieties that we grow. These are not exhibition blooms because we stopped disbudding and trimming foliage two weeks ago when we had reason to expect frost. This may be of interest to planters unused to our climate.

Barrytown, N. Y. SHATEMUC NURSERIES.

[The flowers sent reached us in A1 condition and were certainly very fine for so late in the season. — ED.]

History of a Successful Florist

In Suburban Life for November, our esteemed friend, Henry Eichholz, of Waynesboro, Pa., has been given a full page write up, illustrated, the idea being to demonstrate from the story of that gentleman's success that "the profession of growing things" is worthy the attention of bright young men who are planning their life work.

The article is an interesting one and tells fully of Mr. Eichholz's success in raising new Geraniums and Carnations. It speaks, too, of the difficulties encountered in clearing up 8½ acres of very unpromising soil and the reward obtained therefrom after conquering its difficulties. We reproduce the closing paragraph of the article:

"It was some time after he bought the place that he built the house, the family living, meanwhile, in a log house on the ground; but he laid out the place with a view to the location of the house, and at once planted Walnut and other hardwood trees, so that today, although the house is only two or three years old, he has fair-sized black Walnuts and shrubbery that would not otherwise have been possible except at considerable expense. The house is very substantial. It contains 14 rooms, besides the attic, one room of which is finished off and used for a pool-room. The rest of the attic, while not finished off, is still very habitable, and here the young people play on rainy days, and in the turret shown in the right of the picture, which is on the southeast corner of the house, many evenings are spent playing cards with his friends who happen in. Here there is always a good breeze, so that one need never suffer from the heat. There is an abundance of light in this house, for it is lighted by acetylene gas, at an average cost of one dollar a month. And all this from the products of seven acres, in a little Pennsylvania town."



Chrysanthemum Alice Finch Chas. H. Totty, Madison, N. J., grower.



Chrysanthemum Mrs. G. C. Kelly

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

In this gable we have shown two doors, one at the lowest walk and one at the highest. This arrangement would probably be found better in the matter of attendance than one single door in the middle. We show at C, in the center of the gable, a removable sash. These removable sash would be increased in number if desired. They will be found very useful in all types of wide houses, facilitating the emptying and filling of the benches. The usual way is to run a plank from the grade line up to the sill on the outside, and from the sill to the raised bed, up which a barrow is run and carried along the beds and the soil emptied at the desired point. Many growers find it desirable to place one of these removable sash at the end of each bench in the wide long houses, or to place one of the sash so that two beds could be reached from same.

The angle or "T"-purlin may be secured to the end gable bars, 18, either by means of a hole drilled in the purlins at the required distance, which is governed by the width of the glass used; or the iron clip casting shown in Fig. 84 may be used, thus avoiding the necessity of drilling.

Immediately below the ridge of the house in each gable should be placed a V-shaped piece, C, rabbeted on the bottom edge to receive the glass, otherwise it will be found difficult to glaze the gable at this point. All outside doors should be of the glazed sash pattern, the lower panels being of wood, as shown on the drawing. These doors should be made not less than 1¾ in. thick, or from 2 in. material, the width and height being governed by the requirements. All joints should be mortised and tenoned, in manner similar to that described in connection with the sash in Fig. 55; and all mortise and tenons should be well leaded before assembling, and secured with steel dowels.

Fig. 106 shows the details of the removable sash used in the gable of the houses, EF being a vertical section and CD a horizontal section, and shows the construction of same. A shows the form of the bottom rails for use in connection with the wood sill, 12. Of course, were a cast iron or tee sill used at this point the form of the bottom of this rail would be made accordingly. D shows the side rails of the sash made to meet on the 2 in. x 4 in. vertical gable supports, F, an 18, end bar being cut so as to come against the side rail and form a bed for the glass in the gable. B shows the top rail which comes beneath the sash header, K, also made of 2 in. x 4 in. material with a piece of, 29, door stop nailed to same, to form a shoulder for the top rail. The width of these sash will depend upon the width of glass used, but they should not be less than about 3 ft. wide. These sash should be made about 6 ft. high, so as to admit of a man walking through the opening, after the sash have been removed, while wheeling a barrow. The sash should be secured in place with four jamb locks placed about 18 in. from each corner on the side rail on the inside, and securely fastened so as to press the sash home in place, leaving as little leakage as possible. These sash should be made with mortise and tenons, the same as those described in connection with the roof sash, all the tenons being well white leaded before assembling.

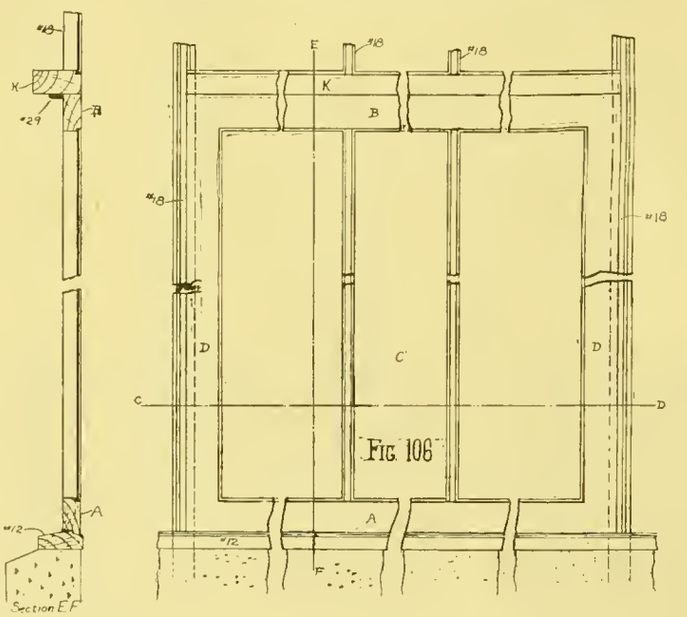

Fig. 106

Proportions for End or Gable Purlins

Length without support	8′ 6″	11′ 0″	12′ 0″
Angle or "T"-Iron	1¾x1¾x3-16	2x2x¼	2½x2x¼
Pipe	1¼″	1½″	2″

Proportions for Iron Door Posts or Upright Gable Supports

Extreme Height	8′ 6″	11′ 0″	12′ 0″	14′ 0″
Angle or "T"-Iron	1¾x1¾x3-16	2x2x3-16	2x2x¼	2½x2x¼
Pipe	1¼″	1½″	2″	2½″

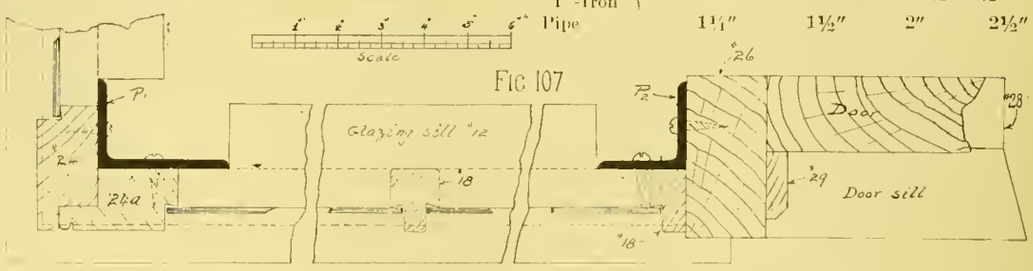

Fig. 107

The example of the side hill house shown is an extreme case, but the general description and proportions may be applied with safety to the construction of gables for all widths of side hill houses; and from these descriptions a grower will be able to decide what will be necessary in each individual case.

Fig. 107 shows a horizontal section through gable above the glazing sill. The angle iron post, P-1, being carried up to the eaves and the sill cut away to go around same, as shown, the sill being secured to the post by means of the wood screws passing through the angle iron. P-2 is a 2 in. x 2 in. angle iron post, which is carried up to the sill and secured in the same manner to both sill and door jamb. As before stated, in wide houses it is advisable to carry this iron post the whole way up to the end roof bar 19. In such cases it is not necessary to carry the door jamb, 26, higher than the door header, 27, but it will be necessary to make provision to secure the end bar, 18, to the angle iron post, P-2, above the door header, so as to receive the glass in the gable above that point. Of course, where the door jamb is carried the whole way up the bar, 18, is cut on one side and nailed to same as shown. The general description of the glazing sill, 12, and corner pieces, 24 and 24A, door frame and door sill, is the same as that described in connection with Fig. 51.

Fig. 108 shows a horizontal section below the glazing sill, where double board and paper is used between the sill and the grade. The construction of this is almost the same as that described in connection with Fig. 51, with the exception that the angle iron post, P-1, is used instead of the wood post, the baseboard, 15, being secured to the angle post with screws, as shown.

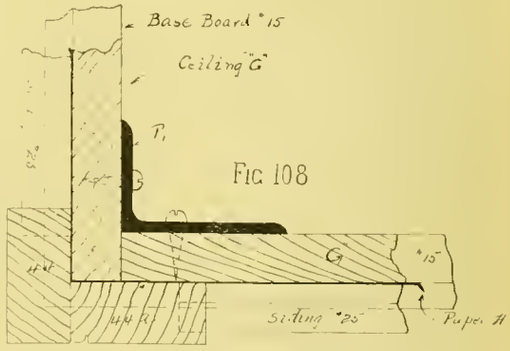

Fig. 108

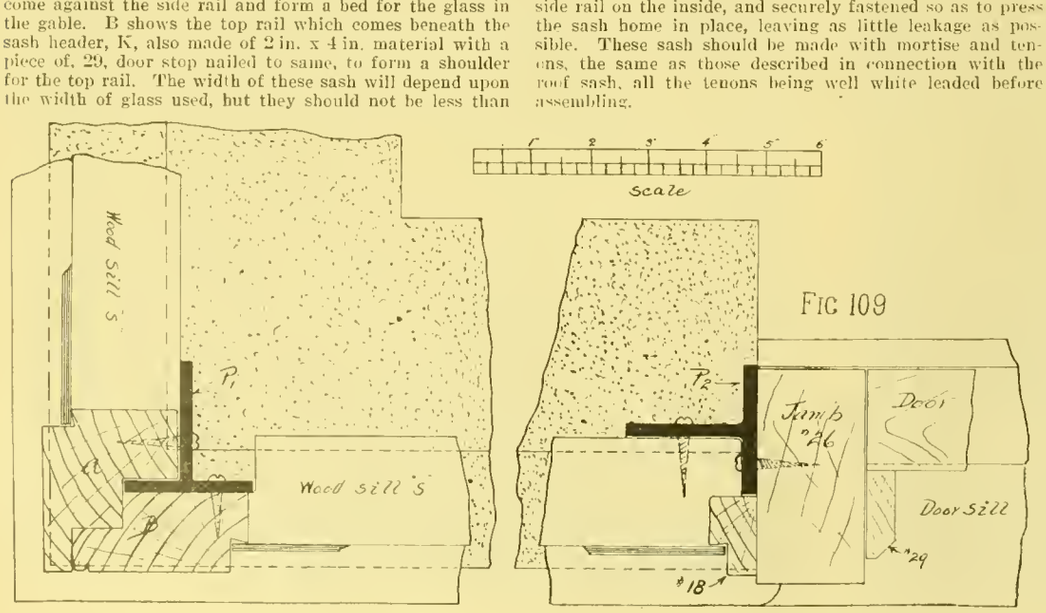

Fig. 109

Fig. 109 shows the construction of the gable where "T"-iron posts are used in connection with a concrete wall between sill and grade. P-1 and P-2 shows 2¼ in. x ¼ in. "T"-posts, to which the sills are secured, P-1 being carried up the eaves plate.

The drawing shows a wood sill, S, the same as described in connection with Fig. 69, but for this may be substituted the "T" sill with wood glazing strip, as shown in Fig. 81. The corner board, A, extending from the sill to the eaves is made from 2½ in. x 3 in. material, this being slightly heavier than where an angle post is used, so as to admit of securing same to the "T"-post. The other corner board, B, is made of 3 in. x 1½ in. material; this is of practically the same size and design as 44A, described in connection with Fig. 107. The construction of the door frame, door and sill is the same as that described in connection with Fig. 51.

If wood siding is used between the sill and the grade instead of concrete, the construction would be the same as that described in connection with Fig. 108, with the exception that it would be necessary to supply a filling piece between the base board and the "T" where it comes beneath the corner board, A.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS — NEW YORK STATE

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Meneger — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.

Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.

Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, **CINCINNATI, O.** Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Furnessia	Nov. 5	9.00 am.	W. 24th St., N.Y.	Glasgow
New York	" 5	10.00 am	W. 23rd St., N.Y.	Southampton
K. Aug. Victoria	" 5	11.00 am.	1st St., Hoboken	Hamburg
Prinzess Ireve	" 5	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Minneapolis	" 5	11.30 am	W. 16th St., N.Y.	London
Re d' Italia	" 5	12.00 m.	Gr'nd St., Jer.Cy	Pal-Nap-Geno
Celtic	" 5	12.00 m.	W. 21st St., N.Y.	Liverpool
Birma	" 5		Bush Dks Bklyn	Libau-Rot'am
Antonio Lopez	" 5		Pier 8 East River	Cadiz-Barcel'a Genoa-Naples
Eugenia	" 5	1.00 pm.	Bush Dks. Bklyn	Naples-Tri'ste
K.W. der Grosse	" 8	10.00 am	3rd St., Hoboken	Bremen
New Amst'rdam	" 8	10.00 am	5th St., Hoboken	Rotterdam
Mauretania	" 9	9.00 am.	W. 14th St., N. Y.	Liverpool
Lapland	" 9	10.00 am.	W. 18th St., N. Y.	Antwerp
Luisiana	" 9	12.00 m.	Bush Dks. Bklyn	Naples -Genoa
Majestic	" 9	3.00 pm	W. 21st St., N. Y.	Southampton
Gr's'r Kurfuerst	" 10	10.00 am.	3rd St., Hoboken	Bremen
La Savoie	" 10	10.00 am	W. 15th St., N. Y	Havre
Ultonia	" 10	12.00 m.	W. 14th St., N.Y	Nap-Tri-Fiume
United States	" 10	2.00 pm.	17th St. Hoboken	Copenhagen
Venezia	" 10		31st St., Bklyn	Naples-Mars.
Volturno	" 10		Pier 38, Bklyn	Rotterdam
Minnehaha	" 12	1.30 pm.	W. 16th St., N. Y.	London
St. Paul	" 12	10.00 am.	W. 23rd St., N.Y.	Southampton
D'a D' Abr'zzi	" 12	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Koenigin Luise	" 12	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Pennsylvania	" 12	2.00 pm.	1st St., Hoboken	Hamburg
Columbia	" 12	2.00 pm.	W. 24th St., N. Y.	Glasgow
Cedric	" 12	2.00 pm.	W. 21st St., N. Y.	Liverpool
Floride	" 12	3.00 pm.	N. Y.	Havre
La Gascogne	" 12	3.00 pm.	N. Y.	Havre
Noordam	" 15	10.00 am.	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 15	10.00 am.	3rd St., Hoboken	Bremen
Batavia	" 15	12.00 m	1st St., Hoboken	Gib-Nap-Geno
Lusitania	" 16	9.00 am.	W. 14th St., N.Y.	Liverpool
Adriatic	" 16	9.30 am.	W. 21st St., N.Y.	Southampton
Samland	" 16	10.00 am.	W. 18th St., N.Y.	Antwerp
Laura	" 16	1.00 pm	Bush Dks, Bklyn	Nap-Pal-Tr'ste
Pr.F'd'kWilhelm	" 17	10 00 am.	3rd St., Hoboken	Bremen
La Lorraine	" 17	10.00 am	W. 15th St., N. Y.	Havre
Germania	" 17		31st St., Bklyn	Naples-Mars.
Athinai	" 17		—Brooklyn	Piraeus-Smy'a Constant'ple
Caledonia	" 19	9.00 am,	W. 24th St., N. Y.	Glasgow
Philadelphia	" 19	10.00 am.	W. 23rd St., N. Y.	Southampton
From Boston				
Cestriao	Nov. 9		B&A Dks, E.Bos.	Liverpool
Zeeland	" 15		B& M Dks, Char	Liverpool
Numidian	" 16	8 00 am	Mystic Whf, Char	Glasgow
Bohemian	" 16		Clyde St., E.Bos	Liverpool
Cambrian	" 18		B & M Dks. Char	London
Philadelphia				
Haverford	Nov. 5	10.00 am.	53 So. Wharves	Liverpool
Menominee	" 11	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 12		24 No. Wharves	Glasgow
Merion	" 19	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Korea	Nov. 8	1.00 pm.	1st Street	Honolulu
Nippoo Maru	" 22	1.00 pm.	1st Street	Japan
Siberia	" 29	1.00 pm.	1st Street	China

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

M. A. Bowe — IN HEART OF NEW YORK CITY — 1294 Broadway — Phone 2270 Murray Hill — Our Motto—THE GOLDEN RULE

Meyer — NEW YORK — 609-611 Madison Avenue

Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

A. T. Bunyard FLORAL CO. — NEW YORK — 413 Madison Avenue

Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave.

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Csde No. 16.

For "Supply" Advertisements see pages 836-837

FLOWERS DELIVERED BY TELEGRAPH

Anywhere—At Any Hour

By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 Ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A1 grower of Roses and Carnations. Address "Florist," 156 E. 33d St., New York City.

SITUATION WANTED—By experienced grower of Carnations, 'Mums, Orchids, etc. Address, O. F., care The Florists' Exchange.

SITUATION WANTED—By Rose grower, 24, single; would go West or South from New York City. Address, O. B., care The Florists' Exchange.

SITUATION WANTED—By greenhouse man; good potter. References. Address, Hesse's Printery, 249 Hamburg Ave., Brooklyn, N. Y.

SITUATION WANTED—By German, competent grower and propagator in all branches; single, 20 years' experience. Address, O. D., care The Florists' Exchange.

SITUATION WANTED—By an all-around greenhouse man, single; good potter and worker. References. Address, "Florist," 582 West Side Ave., Jersey City, N. J.

SITUATION WANTED—By a young practical man, experienced in Roses, Carnations, Chrysanthemums and general stock. Address, O. G., care The Florists' Exchange.

SITUATION WANTED—By all around greenhouse man, 10 years' experience; references; 25 years old, single, German. State wages. 764 Lexington Ave., New York City, care I. Block.

SITUATION WANTED—By an Englishman in greenhouses or florist's store; two years' experience in both in America. Good references. Address, T. J. Burrows, Tenafly, N. J.

SITUATION WANTED—By a married man in a florist or a department store. Handy in fernery, etc. Formerly in the greenhouse business for myself; hustler. Address, J. T., 234 12th Ave., Astoria, L. I., N. Y.

SITUATION WANTED——By young man of good character and ability in Rose and Carnation house. Best references furnished. Address, A. Gillson, care Mrs. E. H. Conover, Florist, Keyport, N. J

SITUATION WANTED—By florist with some experience as designer and decorator in first-class store; good salesman. Fine reference. Address, Wm. Henry, florist, 225 East 58th Street, New York City.

SITUATION WANTED—By competent gardener, well versed in Cyclamens, Begonias, Chrysanthemums and Carnations. Position at German place preferred. Advertiser has had charge of first class places in Germany. Address, A. C., 1301 Nostrand Ave., Flatbush, Brooklyn, N. Y.

SITUATION WANTED—By a Scandinavian, 25 years of age, single. Experienced in Roses, Carnations, Chrysanthemums and general stock. Able to take charge. Best of references. State wages, etc., in first letter. Address, O. C., care The Florists' Exchange.

SITUATION WANTED—As grower by experienced florist and plantsman, capable of producing first-class stock. 22 years' experience; American, 40 years of age, married, sober, reliable, energetic. Good references. Address, O. H., care The Florists' Exchange.

SITUATION WANTED—By an experienced florist, capable of assuming full charge of a commercial or private place; married, age 29, temperate. References from past employers. Please state salary and particulars. Middle Atlantic States preferred. Address, O. I., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 41 years of age, single, German, sober and good worker; a first-class all-around man, experience from private and commercial places on under glass and outside work; good maker-up. Experience in Roses, Carnations and 'Mums; first-class references from former and last employer. Please state wages and particulars. Address A. R., care Mr. Prager, 172 West 124th st., New York City.

Continued to next Column.

SITUATIONS WANTED

SITUATION WANTED—By young man, Swede, 6 years' experience in greenhouse work; 3 years in this country. Well versed in Carnations, Chrysanthemums and general stock. Private or commercial place. Good references; willing and obliging. Enock Jansson, care of Mrs. Henderson, 322 East 125th Street, New York City.

SITUATION WANTED—By a practical man, life experience, well up in the cultivation of fruit, vegetables and plants under glass; good knowledge of landscape work, also growing of fruit and vegetables outside; handle men to good advantage. Well recommended; age 38; married. Address, John Thatcher, Chester, W. Va.

SITUATION WANTED—As foreman or florist by thoroughly competent, practically experienced and successful propagator and grower of high-class cut flowers, pot plants, etc. Satisfactory designer. Can furnish best of references. American, single, aged 29; total abstainer; reasonable wages expected. Address, R. Klag, 518 North 19th St., Omaha, Neb.

SITUATION WANTED—By thoroughly competent landscape architect of long and extensive experience; able and independent designer and draughtsman; expert in construction; also competent florist in decorations and designs as well as in greenhouse and outdoor culture, forcing, etc., and in the care and maintenance of parks. Advertiser desires to accept position for development or superintendence of private or public property. New York State preferred. Please address M. C., care of Room 614, 60 Wabash avenue, Chicago, Ill.

HELP WANTED

WANTED—Florist, experienced in Carnations, 'Mums and bedding stock. Apply to D. Y. Mellis, 3421 Snyder Ave., Flatbush, Brooklyn, N. Y.

WANTED—A Carnation grower for a place near Boston. Only practical men need apply. State experience in same and wages wanted. Arthur Griffin, Florist, Woburn, Mass.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—Man for general growing on place of 30,000 sq. ft. of glass; also opening for a man on place of 8000 ft. glass, to grow for mailing trade. Address, Myers Bros., Altoona, Pa.

WANTED—Two section men for a commercial place where Roses are principally grown. Wages $12.00 to $14.00 per week according to ability and experience. Address, "Roses," care The Florists' Exchange.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—A first-class Rose grower and assistant foreman for a commercial place near New York. Good salary to right party. Give all the particulars you can in your letter which will be considered confidential. Address, "Assistant Foreman," care The Florists' Exchange.

WANTED—Single young man for general greenhouse work; must be well experienced in Carnations, Chrysanthemums, pot plants, etc. No drinker wanted. Scandinavian or German preferred. $40.00 per month and board. Send references and full particulars to O. K., care The Florists' Exchange.

WANTED—Sober man who understands Carnations, 'Mums and bedding stock; hustler who can attend to large Mercer section boiler until house with 25,000 feet of glass is finished. Good wages; 2 rooms, light and heat if married. State nationality and wages expected. Address, P. O. Box 484, Scranton, Pa.

WANTED—Single man with experience growing Roses, Carnations and general stock on commercial place of 16,000 square feet of glass and to help with fires at night, etc. Wages, $30.00 per month, room and board. Send references and state experience, nationality, etc. Arthur Taylor, Onaway Greenhouses, Boonton, N. J.

SEEDSMEN WANTED

A man to take full charge of the vegetable seed department: a thoroughly competent man. Also an assistant in the flower seed department. Address with full particulars and references, O. N., care The Florists' Exchange.

WANTED—A young or middle aged man with a thorough knowledge of ornamental trees and shrubbery, and ability to tastefully design plantings of them. Must be able to prepare plans and intelligently answer correspondence about landscape matters as well as meet with and advise prospective buyers of this line. In reply state experience, age and give references of ability and character. Address, O. E., care The Florists' Exchange.

Continued to Next Column

HELP WANTED

WANTED A CAPABLE SALESMAN

There is a good position with an American Import House for a capable salesman to sell bulbs. He must be of good appearance and character. An experienced man preferred. A good salary for a good man. Communications treated strictly confidential. Address,

SALESMAN, care The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

CARNATION PLANTS—Field grown, fine, Enchantress, Mrs. Thos. W. Lawson, White Lawson and Harlowarden, $5.00 per 100 for cash with order. M. J. Schaaf, Dansville, N. Y.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 26, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of Yellow Ivory and White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS—To be sent as soon as blooms are cut. Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $25.00 per 1000. M. Donellan, Pres. Taft, Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Neil, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry H. Sunderbruch, 50c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

DAHLIAS

STOCK FOR SALE—2500 Dahlias, field roots as dug, leading varieties, cheap for cash or exchange. Geo. H. Walker, No. Dighton, Mass.

DAHLIAS, for Dealers, Seedsmen and Growers. 50,000 large clumps, up-to-date varieties, cheap, for Fall delivery. Cash with order. Send for prices and list. Northboro Dahlia and Gladioli Gardens, J. L. Moore, Prop., Northboro, Mass.

MISCELLANEOUS

STOCKS, 800 "Flower Market White" in 2 in. pots, twelve leaves, $2.00 per 100. Cash. Kuhne Bros., Hicksville, L. I., N. Y.

STOCK FOR SALE—Heliotrope, rooted cuttings, dark colors, $1.25 per 100. Stephen B. Hoyt, New Canaan, Conn.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

CUMBERLAND RASPBERRY TIPS, strong, $1.00 per 100; $7.50 per 1000. The Lancaster County Nurseries, R. F. D., No. 7, Lancaster, Pa.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

JAMESTOWN PHLOX, brightest red, $6.00 per 100; Delphinium Formosum, light and dark blue, $7.00 per 100. Samuel Smith, Florist, Jamestown, R. I.

GERANIUMS, rooted cuttings: S. A. Nutt and Grant, $1.25 per 100; $10.00 per 1000 Now ready. Cash. W. C. Myers & Sons, Scottdale, Pa.

STEVIA, large pruned field plants, $5.00 per 100. STOCK CHRYSANTHEMUM PLANTS ready: Golden Glow, Reviere, October Frost, $3.00 per 100, $20.00 per 1000. I. M. Rayner, Greenport, N. Y.

FERNS—Scottii, Boston, Whitmani, Elegantissima, clean, healthy plants, good color, grown in pots in frames: 5-in. pots or pans, $3.00 per doz., $25.00 per 100; 6-in. pots or pans, $4.50 per doz., $35.00 per 100; 8-in. pots or pans $1.00 each, $12.00 per doz. Cash please. Ley & Bickings, Good Hope, D. C.

CHRYSANTHEMUM Stock Plants.—Pacific Supreme, October Frost and Rosary, $3.00 per 100. Peonies, 4 year clumps, Pink and White, $12.00 per 100; two year clumps, Pink, $8.00 per 100. German Iris, Yellow, $7.00 per 1000. 4-year California Privet, cut back twice, fine for tubs, $20.00 per 100. Cash please. A. F. Johnson, Springfield Gardens, L. I.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country. Stove Plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

SURPLUS STOCK—From 2¼-in. pots. 100 Abutilon Savitzii, 150 Hydrangeas, 150 Lemon Verbenas, $3.00 per 100. 200 Ageratum, common blue, 400 Vinca Variegata and common, 100 Gazania Splendens, 100 Mme. Salleroi, 300 Vaughan's Early and Late Flowering Myosotis, $2.50 per 100. 76 Hydrangeas, from 5 and 6-in. pots, 8c. each. Cash with order. Subject to being sold. A. B. Graves, 421 Bridge St., Northampton, Mass.

CINERARIA Stellata Plants

Fine, strong plants, out of 3-inch pots, finest varieties, **75c. per doz.; $5.00 per 100.**

Stumpp & Walter Co., 50 Barclay St. NEW YORK CITY

CYCLAMEN, 5-in., in bud, 25c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 5c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $25.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 6 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 5-6 in., 15c.-25c.

All above stock is A No. 1 and of large size.

Cash from parties unknown.
JOS. J. SOKOL, Westville, New Haven, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

FOR SALE OR RENT

FOR SALE—Well established retail seed store, location, Cleveland, O. Address, O. A., care The Florists' Exchange.

GREENHOUSES FOR RENT—Three greenhouses, well stocked, 1500 Carnations planted to cut; good location, no opposition, good design trade; steam heating, town water. Possession at once. E. J. STEELE, florist, Middletown, Del.

Seed Business For Sale

Doing a $25,000 Market Garden Trade. Stock on hand $11,000 at cost prices; fixtures and supplies $1,000; contracts made for 1911 sales. Over $4,000 worth of orders booked for delivery after December 1st. Will sell for $13,000. For particulars address:

F. R. GILLINDER
321 Stephen Girard Bldg., PHILADELPHIA, PA.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

SUNDRIES FOR SALE

FOR SALE—300 feet of 2-in. wrought iron pipe, good threads and couplings, 6½c. per foot. G. Martí, Arlington, N. J.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

FOR SALE—5 greenhouses at Ossining, N. Y., No. 15 Hitchings boiler, $30.00; No. 16 Hitchings boiler, $40.00; 4-in. cast iron pipe at 10c. per ft.; 10-in. glass, $1.25 per box. All subject to prior sale. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

AUTOMOBILISTS, ATTENTION.—Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

GLASS FOR SALE

125 boxes, 16 x 24 and 12 x 16, new, double thick greenhouse glass Taken for debt.

L. GILLIS, 180 South 9th St., Brooklyn, N. Y.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap. I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—75 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO LEASE OR BUY—At once, retail greenhouse or store. State full particulars. Address, N. F., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse materinl. Dismantled and removed nt once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO RENT—Greenhouses; well established business, from 8000 to 10,000 feet of glass in good condition and well stocked, near a good sized city in New England. Address, N. I., care The Florists' Exchange.

WANTED TO BUY—Cash. 2 large second hand steam section boilers, 1 hot water boiler, 12,000 feet of 1¼ to 2 inch pipe, 500 boxes of glass, 16x24, D. S. All must be in good condition and guaranteed. Also best Carnations. Address, P. O. Box 484, Scranton, Pa.

PIPE Second-Hand FOR SALE

26,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.96c. per ft.

60,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.96c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

26,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

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A Big Heating Contract

The South Park Commissioners of Chicago have decided to install two No. 14 Kroeschell hot water boilers for the new propagating houses to be erected at Marquette Park, that city. This is the largest gravity hot water job to be erected in the West this season.

Indianapolis

Carl Sonnenschmidt, Fred. Lemon of Richmond, and Richard Witterstaetter of Cincinnati have been selected as judges for the coming flower show. They should certainly be able to give just decisions, as their experience in the flower line needs no exploiting. All the details for the show are in good order and Secretary Baur states that there is no reason for not having a good show.

A large delegation of Indiana florists is anticipating a trip to Richmond on Nov. 2. Quite a number have signified their intentions of going, via the Pennsylvania road. The E. G. Hill Co.'s establishment, Charles Knopf's, and the Fred. Lemon Co.'s are to be visited.

B. F. Hensley is in town looking after trade. He states that the market is full of good flowers and the outlet is limited.

All kinds of stories are rife about Tomlinson Hall Market, in regard to a general flower market, but few of them are given credence.

Bertermann Bros. Co. have a beautiful and original Hallowe'en window.

John Rieman keeps his window filled with the choicest 'Mums obtainable these days.

The Roepke-Rieman Co. expects to make a creditable Pompon 'Mum display at the flower show.

The Swain Seed Co. has disposed of its interests to the Warren Seed Co.

John Niggl, formerly with John Heidenreich, is with Bertermann Bros. Co.

I. B.

Greenhouse Building

NORFOLK, VA.—Prof. T. C. Johnson is building a 100 ft. greenhouse at the Virginia Truck Experimental Station, Diamond Springs.

YOUNGSTOWN, O.—John Walker of Phelps st. has purchased land west of Boardman Center on which he will build six 200 ft. greenhouses next Spring.

Question Box

(110) **Lonicera and Tamarix.**—Will you kindly explain what the following plants are: Lonicera bella albida, Tamarix Africana?—I. S., N. Y.

—The Loniceras, commonly called Honeysuckles, include both the bush and climbing forms. Bailey mentions bella, which is a cross between the two upright varieties, Tatarica and Morrowi, and alba, which is a variety of Tatarica, but does not mention "bella albida." Tamarix Africana is a shrub or small tree, with scale-like leaves and small light pink flowers in racemes or terminal panicles. The common name is Tamarisk. It is a Summer bloomer and an attractive and somewhat popular shrub, especially good for seaside planting as it thrives in saline and alkaline soil, even very near salt water.

(111) **Treatment of Azaleas.**—Should Azaleas be potted now for Easter blooming or would it be best to put them in a cool cellar? What treatment should they receive?—F. T. C., Va.

—It is presumed in this answer that the Azaleas in question are fresh importations. Trim the rough part off the ball, then soak the ball thoroughly in clear water before potting. Use pots just large enough so that a little soil can be used between the ball and the pot. Pot firm. Use for potting a mixture of about one-half peat and one-half loam, or one-half well rotted horse manure and one-half loam, with a good sprinkling of clean sand intermixed. House at once and shade heavily, or place in cold pits where there is a run of pipe. Give a temperature of 35° to 40°. Bench to force for blooming about five weeks before Easter. Considerable depends upon variety, as some bloom with very little forcing, which will probably be true this year as Easter comes late.

(112) **Books on Orchids**—Please give the titles of two or three of the best books on Orchids and their care.—G. H., Pa.

—The following books on Orchids can be obtained through the A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane st., N. Y. City. The Book of Orchids, by W. H. White, $10; The Amateur Orchid Cultivators' Guide, by H. A. Burberry, $2.50, 108 pp., illus.; Orchid Growers' Manual, by B. S. Williams, $10, 300 illustrations; Orchids, Their Culture and Management, by W. Watson, $10, 554 pp., illus.

(113) **Plant for Identification. Paint** for Hot Water Pipes in Greenhouses.—Enclosed please find sample of herb which I would ask you to name. Furthermore, would you please advise a good and cheap paint for hot water pipes in greenhouses to keep them from rusting?—A. B., J. C.

—The small portions of plant submitted for identification are not sufficiently complete for determining the species, but it apparently belongs to the Mint family. For complete identification, so that the generical and specific name may be given, an entire root, branch and flower should be sent. Lamp black and linseed oil make a good cheap paint for hot water pipes in greenhouses.

(114) **What to Grow on Side Benches** of Sweet Pea House? How to Use Hydrocyanic Gas?—What can I grow, profitably in a house where Sweet Peas are planted? Have two empty side benches with 20 inch walks between benches and walls; have not overhead room for Peas. Also give formulas for using hydrocyanic acid gas?—L. G., Mass.

—It is advised that you use your side benches either for bedding Geraniums, or for bringing on in pots such low growing bulbs as Narcissus and Hyacinths. A grower cannot be too careful in the use of hydrocyanic acid gas. Read the article on its use in the issue of The Florists' Exchange for Aug. 13, 1910, page 264; it will answer your question.

(115) **How to Use Cyanide of Potassium.**—I would like to use cyanide of potassium and sulphuric acid. I know the way to use them, but I don't know what effect they produce on the plants. Would you kindly let me know if I can us the gas in Carnation house with full crop and if it will kill red spider and if I can use it in Rose house with blooms and buds?—L. C., N. J.

—Read the article on Hydrocyanic Acid Gas on page 264, of the Aug. 13, 1910, issue of the Florists' Exchange. It would also be advisable to consult some one who has used this preparation or, better still, have him do the work for you the first time.

(116) **Wild Geranium and Eucalyptus** Leaves.—Enclosed find sample of so-called wild Geranium which grows here plentifully during the Winter months. I would like you to give me the names of parties who could use them in quantity. I could also ship Eucalyptus leaves.—S. P., Cal.

—It is advised that you write the wholesale dealers in decorative greens whose advertisements appear in The Florists' Exchange.

(117) **Growing Antirrhinums under** Glass.—F. C. D., Conn.

—To get Antirrhinums true to color they must be propagated by cuttings. Cuttings rooted early in the Spring and kept from flowering can be planted on the benches in September in 5" or 6" of good soil. A night temperature of 50° will suit them. They will bloom throughout the Winter. Beautiful varieties, especially in white, yellow and pink colors are now grown. The plants should be carefully supported either with brush, wires or stakes, so that the stems and spikes of blooms will be straight. For cut flowers grow the Fall varieties. Plants from Aug. or Sept. sown seed, of the best named varieties, may be potted off and when of sufficient size planted on the benches and treated as above, but they probably will not all come true to color. Antirrhinums, when well grown for cut flowers, are very satisfactory.

WOBURN, MASS.—The greenhouses of J. Howard, at the Lexington and Woburn line, were destroyed by fire on Oct. 20.

LAKE CITY, IA.—Mrs. J. H. Titus has purchased the greenhouse stock of Mrs. Fuller.

Bush Box 10 to 12 inches ..... Per 100 $25.00; 15 inches ..... 30.00; 18 inches 35.00

California Privet 2 to 3 feet ..... Per 100 $2.50; 3 to 4 feet 4.00

Write for wholesale list

The Elizabeth Nursery Co.

ELIZABETH, N. J.

Please mention the Exchange when writing.



DAHLIAS

Whole Field Clumps Versus Divided Roots

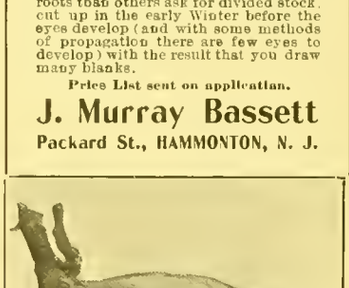
The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

Price List sent on application.

J. Murray Bassett

Packard St., HAMMONTON, N. J.



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Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg Rochester, N. Y.

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50 Visiting Cards 28c., 1000 Tags $1.75, 1000 Envelopes $1.90, 1000 Letter-heads $2.25. Illustrations free. Agents wanted.

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Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

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EVERY TIME YOU BUY

PINE TREE RIBBONS, you get new fresh stock, having beautiful lustres and selected from many widths and colors.

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Buy from the manufacturer and get the usual between or jobbers, profits in silk value.

A penny postal card will bring information.

Will you write today?

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To the Purveyors of the Sweets of Nature"

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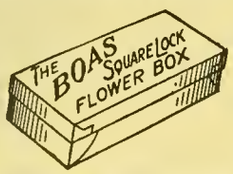

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Henry M. Robinson & Co., Wholesale Commission Florists



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HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

DAGGER and FANCY FERNS, $1.00 per 1000

Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.



A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

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FANCY OR DAGGER FERNS 75c. per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass. L. D. Phone Connection

After Nov. 10th write for sample lot of BOXWOOD in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our LAUREL FESTOONING for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX, 50-lb. cases, $6.00. Special price on large quantities when orders are given 10 days in advance.

LAUREL WREATHS, $2.00, to $3.00 per doz.

PINE WREATHS, $1.75 to $3.00 per doz.

10,000 lbs. BOXWOOD, $15.00 per 100 lbs.

Get our PARTRIDGE BERRIES now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches. Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

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EDWARDS FOLDING BOX CO

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WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

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The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

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Samples free. For sale by dealers

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Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

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LOUISVILLE FLORAL CO.

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BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

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THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 60c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

RESIDENTIAL SITES AND ENVIRONMENTS.—Joseph F. Johnston. One of the finest landscape books ever issued. Price, $2.50.

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A NOVEMBER Novelty which we are just now introducing is Two Color Immortelles in Twenty Different Combinations. Another Novelty is our Plant Baskets and Ferneries, not in Antique Styles, but in Up-To-Date Patterns with an attractive Antique Finish. Any Supplies in Straw, Willow, Braids or Wood, can be furnished with this Antique Finish. Write us. We do the rest. A Postal brings our New Catalogue.

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

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Coming Exhibitions

Albany, N. Y., Nov. 10-13, 1910.—Second Annual Flower Show of the Albany Florists' Club, under the auspices of Headquarters, Tenth Infantry, N. G., N. Y., at the State Armory. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Chicago, Ill., Nov. 7-12.—Annual Fall Exhibition of the Horticultural Society of Chicago to be held in the Coliseum, Wabash ave., nr. 15th st. Secretary, J. H. Burdett, 1620 West 104th Place, Chicago, Ill.

Elberon, N. J., Nov. 9 and 10, 1910.—Second Annual Chrysanthemum Exhibition of the Elberon Hort. Society, at Long Branch, N. J. Reginald Carey, secretary, Elberon, N. J.

Indianapolis, Ind., Nov. 8-12, 1910.—Fall Flower Show of the State Florists' Association of Indiana to be held in Tomlinson Hall. A. F. J. Baur, 38th and Senate ave., Indianapolis, Ind., secretary.

Milwaukee, Wis., Nov. 7-14.—Flower Show Milwaukee Florists' Club in the Auditorium.

Minneapolis, Minn., Nov. 9 to 13, 1910.—First Flower Show to be given by the Minnesota State Florists' Association at the Armory, Kenwood Parkway. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis, Minn.

Mt. Kisco, N. Y., Nov. 4, 5 and 6, 1910.—Eighth Annual Exhibition of the Northern Westchester Co. Hort. and Agri. Society, to be held at Whitlock's Garage. Marshall Crisman, secretary; H. A. Spavins, manager.

New York, N. Y., Nov. 9, 10, 11, 1910.—Seventy-ninth Annual Fair of the American Institute. Chrysanthemum Show and Exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., in the Berkeley Lyceum Building, 19 and 21 West 44th st. Robert A. B. Dayton, secretary.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Philadelphia, Pa., Nov. 8-11, 1910.—Annual Exhibition of the Pennsylvania Hort. Society at Horticultural Hall. David Rust, secretary.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, secretary, 6473 Florissant ave., St. Louis.

Yonkers, N. Y., Nov. 10-11, 1910.—First Annual Exhibition of the Yonkers Hort. Soc., at Co. "G's" Armory, Waverly st. H. Scott, secretary, 615 North Broadway, Yonkers, N. Y.



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

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Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

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267 Lake Street **Kendallville, Ind.**

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Retail Notes

WARREN, PA.—J. D. Woodard opened his florist store here on Oct. 22.

CANTON, O.—J. R. Cowgill has purchased the Lamborn florist store, and will take possession Nov. 1.

MARION, IND.—The Marion Floral Co. has opened a downtown store on Adams st., between Fourth and Fifth sts.

HOUGHTON, MICH.—The Lakeside Floral Co. is increasing its store room very materially.

MISSOULA, MONT.—Charles Dallman is moving his florist store from the Higgins Building to the Montana Block.

BETHLEHEM, PA.—Franz Weiskopf, proprietor of the West Side greenhouses has opened a retail store at 73 So. Main st.

FINDLAY, O.—Miss Lauretta Miller has opened a retail florist store, to be conducted under the title "The Findlay Floral Store."

SALEM, O.—V. A. Cowgill, who with J. R. Cowgill has been conducting the Garfield Avenue Greenhouses, has purchased the latter's interest and will continue the business.

NEW ORLEANS, LA.—J. C. Quinette has opened "The Floral Shop," at 727 Common st., where he will conduct a retail business in connection with his greenhouse establishment.

Of Interest to Cut Flower Buyers

The PITTSBURH CUT FLOWER CO., of Pittsburgh, Pa., wish to send a copy of their new illustrated catalogue on Florists' Supplies and Wire Designs to every Florist. This catalogue is very much superior to any of their preceding issues. This book will be sent free and postpaid to every person who fills out and returns them this coupon.

PITTSBURGH CUT FLOWER COMPANY,
121 Seventh Street, Pittsburgh, Pa

Dear Sirs:—I should like to receive your catalogue and weekly price list and hope that a copy is sent me, and oblige.

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Ladies' Soc. of American Florists

All members of the Ladies' S. A. F. and visiting ladies to the St. Louis Flower Show, the week of Nov. 8, are requested to meet at the Coliseum, Wednesday, Nov. 9 at 1 p.m., to attend a theater party; dinner will follow at 6 p.m. The entertainment is given by the Ladies' Home Circle of St. Louis.

MRS. CHAS. H. MAYNARD,
Secretary L. S. A. F.

F. E. — Alert and Up-to-Date

Business Troubles

BOSTON, MASS.—William E. Doyle of 6 Beacon st., and 306 Boylston st. in this city, and of Cambridge, made an assignment on Oct. 25 to John J. Cassidy, an employee. At a meeting of creditors held on Oct. 29 it was announced that the liabilities would approximate $57,000, with assets of uncertain value. The following were appointed a committee to look into Mr. Doyle's affairs: J. McFarland, chairman; Harry M. Robinson; Wm. H. Elliott; Patrick Donohue, and Patrick Welch.

The Florists' Club of Philadelphia

The meeting on Tuesday, Nov. 2, was very well attended. Vice-President Alfred Burton presided, President Heacock being absent on account of political aspirations, he being a candidate for State Senator from Montgomery County. One new member was elected and there were three proposed for membership.

Presentation of Portrait of W. K. Harris

A very pleasant but unexpected incident took place at the close of the routine business, when Robert Craig arose, on behalf of Mrs. W. K. Harris, and presented to the Club the portrait of the late Wm. K. Harris. The portrait is a good one and will hereafter hang in the Club room. Mr. Craig was in good form, and depicted the life of the late Wm. K. Harris from the time he was bound out to a farmer in New Jersey, at the age of ten years, up until his death. He gave a very vivid account of the time, some thirty-five years ago, when Mr. Harris was first called a specialist. He was then so called for growing a house of Mme. Lemoine Geraniums; every plant in that house being better than any one had grown them before, and the florists of this city at that time all recognized him as their superior in growing Geraniums and other soft wooded plants. Mr. Craig stated that, not long before the death of Mr. Harris, he asked him how he obtained such grand results in growing Geraniums thirty-five years ago. The answer was that during the Winter he watered the plants with ice-cold water; this produced a sturdy, short-jointed growth. At the close of Winter the plants were potted up, using a very rich soil, then given a little more heat, and grand results were obtained. Mr. Craig also held up Mr. Harris as an example to the younger members of the Club, stating that he was a charter member when the Club was first formed, in 1855, and his interest in it continued right up to his death.

Thos. B. Meehan on Proper Methods of Pruning

The essayist for this meeting was Thomas B. Meehan, who gave a talk on the proper methods of pruning. The essayist had sent in a bundle of flowering shrubs and evergreens with which to illustrate his remarks. He began with Privet, and explained the usefulness of this plant for making hedges and other purposes; his advice was to plant deep, setting the plant a little lower in the ground than it had been in the nursery, and then in the Spring or at the close of Winter to cut the plants back to the ground in order to induce bottom growth and make a bushy plant. He then took up the various methods employed in the pruning of flowering shrubs, and stated that a great many people were still carrying out the old system of cutting off the tops to make the plants look uniform, not caring or, in fact, not knowing if they would get flowers or not. There are two periods at which you can trim shrubs, Winter and Summer pruning. Those that flower in the Spring should be trimmed as soon as the flowering season is over, the new growth which they make during the Summer being the flowering wood for the following Spring. Shrubs that flower late in Summer or early Fall, should be trimmed in Winter, such as Hydrangeas and Althæas, the flower buds of these being produced on the new wood of the Spring and early Summer. The essayist then gave some practical demonstrations of how to prune, showing the uptodate method of thinning out the bush or tree, and if it required shortening, to cut back to a small branch, thereby leaving the shrub in a good-looking condition, much better than if cut straight across and made to look stumpy. In pruning flowering shrubs care should always be taken to cut out the old wood, which is useless as the flower buds always come on the new growth.

The essayist then went on to show how to trim evergreens. He first trimmed a bad specimen of Blue Spruce, showing how this should be trimmed in order to get a good specimen out of it. He stated you could cut an evergreen back to a two years' growth, from that it would send out new shoots, but it should not be cut back to a three years' growth. He advocated trimming evergreens in the early Spring, this being much better than trimming in the Fall. He then gave several illustrations in the trimming of trees, advocating the same methods as used with flower shrubs, namely to thin out the branches. In trimming a Pin Oak the leader should never be cut, this tree being different from all members of that family inasmuch as it would never grow a new leader.

In regard to root pruning, he advocated this should be done one year previous to the transplanting of large trees. He did not advocate the watering of deciduous trees when transplanting, as the only thing watering did was to settle the soil more closely in between the roots; the principal feature in any transplanting operations was to have a good man back of the rammer. Asked as to the best time to transplant evergreens, he stated that the majority of the species could be safely transplanted up to the middle of November, but Pines and Firs should be planted very early in Fall or otherwise left until Spring. He considered some of the Oaks, and the Hickory, the hardest trees to transplant as they made few fibrous roots. The Dogwoods are also difficult at times to transplant, in fact many people recommend them to be transplanted only in Spring, but in his experience Dogwoods of two or three years' growth could be transplanted just as easily in Fall as in Spring.

The exhibits at the meeting consisted of two vases of Carnations; Mrs. C. W. Ward, pink in color, and a vase of pure white, unnamed, grown by H. M. Weiss, Hatboro, Pa.

The American Rose & Plant Co., Springfield, Ohio, had on exhibition a plant of their new Fern, Nephrolepis Roosevelt. Mr. Jackson of the above firm was present at the meeting and gave a great deal of information covering this new Fern, which is somewhat similar in fronds to the Fern sent out by the late Wm. K. Harris and named after him, excepting that it does not grow as erect, but has a more spreading habit and is certainly a very desirable plant. Mr. Jackson also spoke of Hydrangea arborescens as being a most desirable plant for Easter, but stated that plants should be grown out in the open field two years before being used for forcing; he considered that in a few years no other Hydrangea would be used for Easter forcing.

New Books

PANSIES, VIOLAS AND VIOLETS.—By William Cuthbertson. London: T. C. and E. C. Jack, 16 Henrietta st., W. C.; New York; Frederick A. Stokes Co., 443-449 Fourth ave. Pp. 116, 8 in. x 6 in. With eight colored plates. Price, postpaid, $1.00.

In the introduction will be found carefully explained the different meanings which are attached to the names, Show Pansy, Fancy Pansy, Viola, Tufted Pansy and Violetta.

The first chapter treats of the history and development of the Pansy, closing with an account of "The Rise of the Fancy Pansy." Chapter II. takes up "The History of Violas." Chapter III. deals with "Pansies and Violas from Seed," and here the practical part of the book begins. Chapter IV. has to do with "Cultivation from Cuttings," the directions in which are very minute. Chapter V. is on the "Cultivation of Choice Flowers for Exhibition and Other Purposes," and is one of the most suggestive in the book; handling such questions as insects and insecticides, manuring, staging of flowers, Pansies and Violas in a greenhouse in Spring, and Violas for bedding and massing.

"Pansies and Violas for Table Decorations" is the title of Chapter VI., but hardly more than a page is devoted to this æsthetic side of the subject, and closes with the "Raising of New Varieties," on which subject the writer evidently feels more at home. Chapter VII. lists fifty of the best varieties of "Fancy and Decorative Pansies," and also "Show or Old English Pansies." In Chapter VIII. the "Hardiest Violas" are taken up quite exhaustively, by color, and in the following "Fifty varieties of Violas" are named and briefly described. "The Sweet Violas," by the editor, is the subject of Chapter X. taking up culture out of doors and in frames, varieties, pests and fungus diseases. Chapter XII. gives a calendar of operations from January to December inclusive.

The book is English and written for England, but there is so much in it that is helpful and suggestive wherever Pansies, Violas and Violets are grown, that it should be welcomed and freely read this side of the Atlantic.

The colored plates in this book are excellent, and a key showing very clearly the name of each bloom represented makes them all the more instructive and enjoyable.

The author, William Cuthbertson, chief partner of Dobbie & Co., famous raisers of Violas and Pansies, is, almost needless to add, an expert in the plants of which he has written so well.

Obituary

Anna L. Nash

Anna L. Nash, daughter of W. W. Nash, florist of Montrose, Pa., died suddenly at her parents' home on South Main st., Oct. 24, aged 26. Her funeral was one of the largest ever held in Montrose, showing the respect for her many good qualities accorded her by her wide circle of acquaintances.

Wm. Kolberg

Wm. Kolberg, an old-time florist and well known to the wholesale trade, died at his home in Desplaines, Ill., on Oct. 29, after a long illness. Mr. Kolberg was the pioneer Chrysanthemum grower of Desplaines. He sold his greenhouses there to H. C. Blewitt thirteen years ago, and took up farming in Wisconsin, where he remained until two years ago. He leaves a wife and a daughter.



Penn's Window Fixtures, Boston

One of the handsomest floral display windows in this State has been installed in the florist establishment of Penn on Bromfield st. The window, which is eight feet deep and fourteen feet wide, is surrounded on three sides by handsome mirrors, while on the top there are several hand carved and gilded designs, made in wood and glued together, piece by piece, which make an exceedingly attractive design for a ceiling. Only the rarest and most perfect flowers will have a place in this new show window; they will be readily seen on all three sides of the window. Several attractive chandeliers have already been installed in the window, and the lighting effect is very pretty. All along the bottom and three sides of the window the old woodwork has been taken out, and polished marble of the rarest designs has been installed. Running all along the front of the building a heavy and handsome Marquis shade, done in bronze, with glass on top, has also been put into place. The entire flooring of the store has been taken up and replaced by one of marble.



View of Store of Wolfskill Bros., Los Angeles, Cal.

Ferns

Ferns From Bench

Boston, for 3-in. 6c., 4-in. 10c.
Elegantissima, for 3-in. 6c., 4-in. 10c., 6-in. 12½c., **Runners,** $10.00 per 1000.
Amerpohli, 3-in. 8c., 4-in. 12c.
Scottii, 3-in. 6c.
Giant Snapdragon from field, red, $1.00 per 100.
Rubbers, fine stock, 6-in. 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carmines,** 2-in. pots, $3.00 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.

Giant Pansies Bugnot, Cassier, Odier, etc., mixed, guaranteed A1. $2.50 per 1000.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100. **Rooted Cuttings,** $1.00 per 100..
FEVERFEW, Gem, 2-in., $2.00 per 100.
SALVIA, Bonfire, Zurich and **Splendens,** 2-in., $1.60 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.60 per 100.

Cash with order.

BYER BROTHERS
CHAMBERSBURG, PA.
Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.60 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in., 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and **Sprengeri,** 2¼-in., $2.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 20 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

Table Ferns

2½ inch pots
Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.
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This Letter from a Customer in Texas

"The Ferns arrived in A1 condition, and I certainly appreciate your kindness and promptness in shipping same, also for extras. You will hear from me again when in need of anything."

This letter referred to a large box of our

Table Ferns

Both our plants and packing will please you equally as well. The stock was never in finer condition. **HOLLY FERNS, ASPIDIUM, PTERIS in variety, including Wilsuni,** etc.

Fine bushy plants, 2-in. pots, $3 per 100.

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

FERNS out of BENCH

Eleguntissima, Piersoni and **Boston** for 4-5 and 6-inch pots.
4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.
Please mention the Exchange when writing.

SCOTTII and WHITMANI FERNS

6-in., 40c. and 60c.; 4-in., 15c.
ASSORTED FERNS, for Fern dishes, in nice variety and good clean stock, $3.00 per 100.
COCOS WEDDELLIANA, 2¼-in., 10c. each, $9.00 per 100.

HENRY WESTON, Hempstead, N. Y.
Please mention the Exchange when writing.

Albany, N. Y.

H. G. Eyres, 11 No. Pearl st., has decorated his window with some very fine specimens of the new Roses, Mrs. Taft, Radiance and Mrs. Aaron Ward, also a choice lot of Orchids. He reports lots of business owing to the frost and now the outdoor flowers are gone.

Fred. A. Danker of Maiden lane has a fine collection of Chrysanthemums in pots in his store, grown at his own greenhouses on the Schenectady road. As each plant bears one flower only most of the blooms measure from 10 to 12 in. in diameter, and it is safe to say it's the finest show in Albany. The collection consists of eight different varieties. Mr. Danker expects to have a duplicate lot at the show.

Wm. C. King, with greenhouses at 1056 Madison ave. claims the finest looking lot of Carnations and Poinsettias he has had in years. His Chrysanthemums, too, are in fine shape, all due to his manager, Sam. Goldring, who gives his entire attention to this plant.

The Louis Menand greenhouses and nursery at Rural and Cemetery aves. has had a busy time of it bedding in Dutch bulbs in the Rural Cemetery. Menand also has a nice lot of flowering shrubs and hardy border plants; his houses are well filled with a choice lot of flowers for bouquets which were in great demand for Hallowe'en.

Patrick Hyde, 488 Hudson ave., has been working hard, potting Azaleas and Dutch bulbs, also increasing his heating apparatus and putting concrete around his four greenhouses. He claims the concrete retains the heat and that he can thus keep a better temperature in the houses.

John J. Berberick, 26 Second ave., has a nice lot of Palms, Ferns and Araucarias in his houses. His store is well filled with cut flowers and a complete assortment of metal designs. He is kept busy with funeral work and bouquets.

Wm. C. Gloeckner on State st. has a fine show of Chrysanthemums which he procured at the Lenox Flower Show. He has the cups to be presented at our flower show in his window, twelve in all, making one of the finest displays ever seen in Albany. The cups are given by F. A. Danker, Hankes Bros., Wm. C. Gloeckner, Marston & Seaman,, Michel Cup, Fred. Goldring, Stumpp & Walter Co., N. Y., Geo. C. Hawley, Northwestern Life Cup, Geo. E. Van Tuyl, Jr., Luther Cup and Albany Florists' Cup.

White & Riggs, corner Grand st. and Hudson ave., have a fine display of Palms, Ferns and cut flowers; they report a good business in funeral work, decorations and pot plants.

The Rosery, 76 Maiden lane, E. F. Meany and E. P. Tracey, proprietors, have certainly an uptodate display. Their entire window was decorated in Hallowe'en style. The background consisted of Corn stalks and ears of Corn tied with ribbons, and Pumpkins turned into Jack-o'-lanterns with electric lights; these mixed in with a choice lot of Cyclamens, Ferns and Palms made a taking effect. The cut flowers and Orchids helped complete the decorations.

Three Albany men returning from the Lenox (Mass.) Show report, whether the location, the air, the skill, or the entire combination, that place as a wonderland for plant growth. They are telling of Chrysanthemums as big as Cabbages, of Carnations like tea cups and Roses larger than Sunflowers; of Parsnips 6 ft. long; of Carrots 3 ft. long and of Beets 12 in. across; of Onions as big as spittoons, etc.

L. H. S.

THE AMERICAN CARNATION PRICE $3.50
A. T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N. Y.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 16th. Terms and price on application to.

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

5000 FERNS Boston, Scottii, Whitmani and Piersoni, 2½-in., $4.00 per 100; from 4-in., $15.00 per 100. 100,000 **California Privet,** 3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $3.00 per 100; 2 to 2½ ft., $2.50 per 100; 18 to 24 in., $2.00 per 100; all 2-year-old, well branched; 500 and up, 20 per cent. off 100 rates. 100,000 2-year-old **Asparagus Roots,** $3.75 per 1000. 10,000 mixed **Peony Roots** for florists, $6.00 per 100. 100,000 **Canna Roots,** $12.00 per 1000 and up. Cash. 5000 **Field-grown Vinca Major,** variegated, strong, $4.50 per 100.

BENJ. CONNELL, Florist, Merchantville, N. J.
Please mention the Exchange when writing.

Boston Ferns
Fine, for 5-in. pots, $20.00 per 100.
Whitmani Ferns
Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
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FERNS

1000 Whitmani, 7 inch, 70c.; 6 inch, 30c. to 50c.

500 Boston, 7 inch, 60c.; 6 inch, 20c. to 40c.

From bench or pot. Special price for whole lot or for large orders. Stock has made a remarkable growth this Summer. Fine specimens. Send for sample order. Cash or reference.

A. A. GANNETT, Geneva, N. Y.
Please mention the Exchange when writing.

BOSTON and WHITMANI
FERNS
2½-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.
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FERNS

WHITMANI FERNS, fine bushy plants out of 6 and 6 inch pots, $26.00 per 100.
BOSTON FERNS, fine large plants out of 6 and 6 inch pots, $26.00 per 100.

PAUL J. BURGEVIN, North Regent Street, Port Chester, N. Y.
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BOSTON FERNS

2½-inch $30.00 per 1000.
WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.
NEPHROLEPIS MAGNIFICA, 2½-inch, 16c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.
COCOS Weddeliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.
ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.
ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.
CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN
Short Hills, N. J.
Please mention the Exchange when writing.

ASSORTED FERNS
FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $56.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.
COCOS Weddeliana, 2¼-in., 12 to 16 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.
KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.
NEPHROLEPSIS Scottii, large plants, 7-in. pots; $1.00 each; 8-in., $1.25 each.

FRANK N. ESKESEN, Madison, N. J.
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Fern Seedlings in Flats
IN THE BEST EIGHT (8) VARIETIES
108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready. 20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

Also a large stock of **BOSTON FERNS,** in 5, 6, and 7-in. pots, ready for delivery.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.
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	Bench	Pots
BOSTON, 5 inch	$0.20	$0.25
BOSTON, 6 inch	.25	.30
WHITMANI, 6 inch	.25	.30
WHITMANI, 6 inch	.30	.35
7 inch and 8 inch stock	60c. to 75c.	

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.
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FERNS

Very Heavy Stock—All Pot Grown.
SCOTTII, 4-inch pots, $12.50 per 100; 6-inch pots, $35.00 per 100.
SCHOLZELI, very fine, 4-inch pots, $15.00 per 100.
TODEAOIDES, 4-in. pots, $12.50 per 100.
PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa.
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FERNS *READY NOW*
Strong Stock, 2¼ inch Pots.
SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE
Please mention the Exchange when writing.

HYDRANGEAS and FERNS
ALL POT GROWN STOCK

Boston Ferns, 4 inch pots, $20.00 per 100.
Scottii Ferns, 4 inch pots, $25.00 per 100.
Hydrangeas, 4½ inch pots, $25.00 per 100.
Hydrangeas, 6 inch pots, $35.00 per 100.

Ferns are perfectly healthy and strong, plants ready for 6 inch pots. Hydrangeas are in fine condition for Easter Forcing, 4 to 6 strong shoots.

CASH WITH ORDER PLEASE

T. MALBRANC, = = Johnstown, Pa.
Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

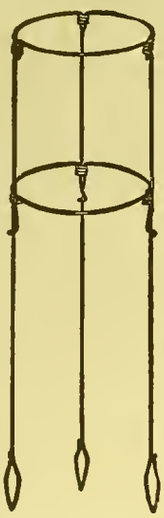
"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO.,
A. T. PYFER, Manager
35-37 RANDOLPH STREET
Room 302
CHICAGO, ILL.

Please mention the Exchange when writing.

THE
MODEL
Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.
93-71 Metropolitan Ave.,
BROOKLYN, N. Y.

Please mention the Exchange when writing.

Now is the time, throw out your early Chrysanthemums, and fill your houses with

"Christmas Cheer"
The Scarlet Pot-Carnation
$15.00 per 100, $125.00 per 1000
February Delivery (January all booked)

"Princess Charming"
The Enchantress-colored Carnation, with the lasting quality.

Send for colored plates and literature.

H. EICHHOLZ
WAYNESBORO, PA.

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Good Carnation Plants have not been so scarce in years. Anyone having either large or small quantities can obtain good prices for them by advertising them in these columns.

CARNATIONS
ROOTED CUTTINGS
In Season

WILLIAM SWAYNE, Kennet Sq., Pa.
P. O. Box 215

Please mention the Exchange when writing.

SHASTA
For biggest returns plant our new white carnation
Shasta.
Field-grown plants in August and later.
$12.00 per 100; $100.00 per 1000
BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Carnations
F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Carnations
Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. **Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo,** $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

BOOKS
Every one who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

We are in a position to supply these as far as concerns the florist, nursery and seed trades.

Send for our Complete Descriptive Book List covering every phase of Floriculture, Horticulture and Allied Industries

A. T. DE LA MARE PRINTING AND PUBLISHING CO. LTD.
OFFICES
2 to 8 DUANE ST., NEW YORK CITY
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Imported and Established Orchids in Great Variety
Write for Our Special List and Catalogue

LAGER & HURRELL
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ORCHIDS
We are one of the largest collectors and importers of Orchids. Investigate us.

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ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

Prices Advertised in these Columns are for THE TRADE ONLY

Baltimore

The Market

At present writing Chrysanthemums certainly are in heavy supply; last week saw a glut of them. The early varieties are slackening up somewhat. Polly Rose this year has been grown by a great many, and has been a leader; four and five flowers to a plant sold well, while the single stem 'Mums also met a pretty good demand and some good prices were obtained. The first day of the month showed a good condition, Jack Frost having nearly killed all outside blooms, naturally starting a demand for indoor flowers long looked for. Carnations are arriving heavily, stock good but selling slow, although bringing fair prices. Roses are about in the same state; good stock was sold as low as 20c. a dozen on the streets. Violets are arriving in fairly good quantity, and quality good. Greens are equal in demand; Asparagus is to be had in large quantities. The weather is cooler, and at the opening of this week business has picked up nicely.

Pot plant trade is steadily improving. The flowering plants are still scarce, but an abundance of foliage plants is in evidence.

Various Notes

M. Richmond & Son have opened a new florist store at 807 N. Howard st., managed by Samuel Richmond, well known to the trade. They have a large range of glass on Erdman ave., and have a stand in Richmond Market.

Mrs. A. Locher, 2025 W. Pratt st., reports business as quite satisfactory. Hers is a new store, in West Baltimore, contained in a two-story building, with large show windows tastefully filled with Ferns, Palms, Chrysanthemums and wax work. A large refrigerator containing choice cut flowers adds to the beauty of the store. The store is painted white and lighted by electricity throughout. The location is ideal, with plenty of traffic.

Stoll Brothers, of Carroll, last Monday night had one of their boilers crack, and it is feared that they will have to install a new one; the boiler has been in use about twelve years, and this is their first trouble.

Samuel Feast & Sons are showing a window, plainly but neatly arranged with choice Chrysanthemums and Autumn foliage, and Ferns, altogether presenting a nice effect.

John Cook, N. Charles st., is showing seasonable cut flowers, and his window always has a neat appearance.

Dissatisfaction still exists among some of the retail florists in Lexington Market, judging from the condition. It appears that there is some unreasonable jealousy there; however, a nice business is done and harmony should exist. A change for the better will surely come.

Edward Van Ruth and Charles Hochstedt had charge of the flower tables at the Hamilton Firemen's Fair last Thursday. Choice Chrysanthemums, Carnations, Roses and pot plants were tastefully arranged and a fine business was done.

J. J. Perry and Mathias Thau were among the visitors. Edward Van Ruth, Hamilton, Md., has a contract with August Eberhardt for five thousand bunches of Pompon Chrysanthemums.

Mrs. H. Walters, Park Heights ave., last Tuesday morning certainly had a stall in market worth mentioning. Large, choice 'Mums were tastefully arranged, forming a background that made such a good effect that she secured many customers, and by 12 o'clock the beautiful display was sold out.

The Flower Garden, West Baltimore st., is showing three windows of choice 'Mums and Ferns, backed up with decorative plants.

Albert Fiedler, S. Charles st., had another catchy window for Hallowe'en, at night drawing hundreds of admirers. As usual he made a great hit.

E. A. Seidewitz, N. Charles st., this week has a Hallowe'en window well gotten up by his able manager, E. Wilson Pierce. It consists of a scene showing an old witch in the woods, with a large, very old kettle suspended by old fence posts, over a redhot fire; high in the top of the window may be seen the moon looking down as if from the clouds; Corn stalks, Palms and Ferns make up the background, with Autumn foliage. The window is lighted by incandescent lights, and in the foreground are baskets of choice cut flowers.

James Hamilton, Mt. Washington, is one of the heavy shippers of 'Mums to the Florists' Exchange this week.

Those who intend making exhibits at the Maryland State Horticultural Society's show, to be held November 28 to December 3 at the Fifth Regt. Armory, are requested to start the formation of their displays on Saturday, Nov. 26, with the exception of the stagings of cut flowers. According to indications, the show will be one of the largest and most successful yet held. Richard Vincent, Jr., White Marsh, Md., is the president of the Society, and C. P. Close, College Park, Md., secretary.

Providence, R. I.

Wm. Hoffman, East ave., Pawtucket, is getting along nicely with his new office quarters, which will be ready for business very shortly. The new houses recently built with the office add much to the appearance of his plant.

H. C. Neubrand recently visited Fall River, Mass., and Bristol, R. I., in the interest of his employer, W. S. Pino.

Swon Peterson, East Providence, R. I., reports business good; he has been very busy of late housing his stock for Spring trade.

O. H. Williams is cutting some choice Chrysanthemums and Carnations, which are as good as any in Providence.

J. J. Kelly, Valley Falls, R. I., is planting out trees for the city of Valley Falls. Mr. Kelley reports business very good.

W. S. Nichol, Hampden Meadows, R. I., is cutting some very fine single Chrysanthemums, also a few Sweet Peas.

A. Holscher, Pocassett ave., has sold, during the past two weeks, about all his Chrysanthemums, which aggregated over 10,000 blooms.

Mathew Macnair, florist of Weybossett st., has one of the finest Hallowe'en displays in his window ever seen in Providence. A display of Corn with red ears is very prominent, and appears to be much enjoyed by patrons of an old-fashioned "husking bee." Squashes, Pumpkins, Turnips, etc., add to the display and the whole is attracting much attention. Mr. Macnair is also making a fine display of cut flowers.

F. Macrea & Sons are cutting some very fine Chrysanthemums and Carnations. They have another crop of gigantea Lilies ready to cut. Walter Macrea has made preparations, and expects from now on during the next twelve months, to have a constant supply of Lilies ready for the market at all times.

Lawrence Hay, East Providence, is cutting some extra fine Carnations, as good as the best if not the best coming into market; he also has still some fine Lady Lenox Cosmos. Chrysanthemums of exceptionally good quality are also coming from Mr. Hay's establishment.

John Johnston, of Johnston Bros., Dorrance st., is reported on the sick list.

M. B. Faxon, representing the advertising department of The Florists' Exchange was in town on Friday, making a visit among the florists here while on his way to Boston, where he formerly was in the seed business.

John Sharkey, manager of the Elmwood Nurseries, is reported quite sick, and not improving as rapidly as was expected from the stroke of paralysis received while overseeing the planting of the trees in Providence sts.

J. Koppelman, wholesale and commission florist, is doing a fine business in cut flowers, Palms, Ferns, etc. The attractive display of Chrysanthemums and cut flowers of all varieties in season he is making is adding much to his credit, both in wholesale and retail directions.

J. H. Budlong & Sons, one of the principal Rose growing firms in New England, are cutting some extra fine Roses; selected grades are sent to Boston and New York markets.

F. J. Johnson & Co. have become members of the International Floral Association, 1328 Broadway, New York City. Their window display is very attractive just now.

F. Corill, manager of the floral department of Shepard & Co. reports business good, with an abundance of flowers of fine quality available; funeral work the past week has kept them very busy.

Visitors: E. E. King, Attleboro, Mass.; W. S. Nichol, Hampden Meadows, R. I.; J. H. Cushing, Quidnick, R. I.; D. E. Newell, Attleboro, Mass.; J. Kelley, Valley Falls, R. I.; H. C. Anthony, seed grower, Portsmouth, R. I.

Willis S. Pino, seedsman, 41 Washington st., has just received a new touring car, which is a beauty, fully equipped with electric lights and all the latest improvements.

Bulb trade thus far this season has been very good with the seedsmen of Providence. What is most needed is a heavy frost, to kill the outside plants.

GERANIUMS

Orders all booked until November 20th for Nutt, Ricard, Poitevine and Castellane. Orders booked now for the following: Buchner, Doyle, Viaud, Grand and Jaulin, at $10.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.
Please mention the Exchange when writing.

GERANIUMS

Rooted Cutings, Ready Now.

3000 S. A. Nutt, $1.26 per 100, $10.00 per 1000.
2000 Poitevine, $1.60 per 100, $13.00 per 1000, fine stock.
2000 Mixed, $10.00 per 1000.

BEGONIA SEEDS

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties; trade packet $1.00.
Cash with order.

E. A. BLINN, Cromwell, Conn.
Please mention the Exchange when writing.

Geraniums

Rooted cuttings. S. A. Nutt, Ricard, Buchner, $10.00 per 1000. Extra strong transplanted Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulin, $1.50 per 100, $12.00 per 1000. 2 inch Nutt and Buchner, $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. Verschaffeltii and Victoria only.

RUDOLF NAGEL, Lancaster, Pa.
Please mention the Exchange when writing.

GERANIUMS

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the best.

S. A. Nutt ..... $11.50 per 1000
Poitevine ..... 14.00 per 1000
Ricard ..... 14.00 per 1000

All sold until December. Expect to have about 75,000 ready week of December 12. To be sure of December delivery better get your order placed now.

COLEUS

As fine a collection as any in the world, can furnish them by the 100,000 in season, now if you want them.

ALBERT M. HERR, Lancaster, Pa.
Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.
Please mention the Exchange when writing.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermilion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.
Terms cash.

B. F. BARR & CO.
Keystone Nurseries. LANCASTER, PA.
Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

S. A. Nutt, La Favorite, Mme. Buchner, at $11.50 per 1000.
Poitevine at $14.00 per 1000.
Viaud, La Favorite, Buchner, S. A. Nutt, Tiffany, Doyle, Poitevine, Ricard, etc., from 2-in. pots, $2.00 per 100, $18.00 per 1000.

D. R. HERRON, Olean, N. Y.
Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

BUCHNER, $1.00 per 100, $10.00 per 1000.
FEVERFEW, $1.00 per 100.
COLEUS, 2-in. pots, $1.50 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.
Please mention the Exchange when writing.

Geraniums

Rooted Cuttings, Ricard, Poitevine, Viaud and Doyle, $12.00 per 1000. Nutt and Buchner, $10.00 per 1000.

Cash with order.

Peter Brown, Lancaster, Pa.
Please mention the Exchange when writing.

S. Kinder & Bro., Bristol, R. I., report that business has been improving. They will have a vase of their new red seedling Carnation at the Providence show next week.

The Market

Much improvement was noticed in the past week in the cut flower market, not so much in prices as in the quantity and quality of goods. Chrysanthemums are coming better, also Roses and Carnations, and the demand is increased owing to scarcity of flowers from outside, most of which have been destroyed by frosts. In some sections florists are, however, still culling flowers from the fields, such as Dahlias and Cosmos. Asparagus, both plumosus and Sprengeri, is coming in abundance, while Smilax is quite scarce in this locality.

The range of prices is about as follows: Roses: Firsts, $6 to $10 per 100; seconds, $4 to $6; thirds, $1.50 to $3; American Beauty, $5 to $25. Carnations, $1 to $3 per 100. Chrysanthemums, $3 to $12.50 per 100. Violets, 35c. to 60c. per 100. Lily of the Valley, $3 to $4 per 100. Lilies, $6 to $8 per 100. Asparagus, 25c. to 50c. bunch. Galax, $1.00 per 1000. Ferns, $1.25 per 1000. Magnolias, imported, $2.50; domestic, $1.75 per basket.

H. C. N.

Washington, D. C.

E. S. Mosely, who has been quite sick, is still at his home in Boston recuperating.

William Hammer was bitten on the hand by his dog and is unable to work.

John Brown, the veteran grower of East Capitol st., who has been quite sick for some time, is slowly recuperating.

Saturday night brought the first ice of the season, which finished all the ontside tender plants.

The Florists' Exchange is receiving large consignments of 'Mums, both in singles and Pompons. The store and ice boxes are well filled at all times, and Mr. Schnell, the manager, reports business brisk.

It was recently decided by the authorities in charge of the U. S. Propagating Gardens to abandon the idea of their usual Chrysanthemum show this season.

The Chrysanthemum show of the Bureau of Plant Industry, Department of Agriculture, opened on Wednesday for about a week. There are many of the best varieties shown this season.

JAS. L. CARBERRY.

New Bedford, Mass.

Trade the past week was very fair with plenty of flowers to choose from. Carnations are coming in of fine quality, 50c. per doz. is the price. Roses at $1.25 to $1.50 per doz. 'Mums are in full swing and some grand blooms are to be had at $1.50 to $2 per doz. Some nice Snapdragon at 75c. per doz.; Violets, 75c. and $1. A few Sweet Peas retail at $1. Above figures are retail.

Outside flowers are about all gone; we have had two or three frosts this past week, cutting down everything.

E. H. Chamberlain had a window decoration of Autumn leaves, Ferns and 'Mums the past week.

Wm. P. Pierce and R. H. Woodhouse are cutting some magnificent 'Mums; these find ready sale at a good price.

At E. Y. Pierce's 'Mums and Carnations are all O.K.; his new No. 6 Kroeschell boiler is working well. Joe Pierce is the foreman here.

S. S. Peckham is still cutting lots of those nice pink and white Snapdragons.

M. B. Sylvia reports a good demand for nursery stock and bulbs; he will force these latter in quantity the coming season.

HORTICO.

HOME AGAIN

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, is as jolly and lively as ever, looking after the welfare of his countless customers.

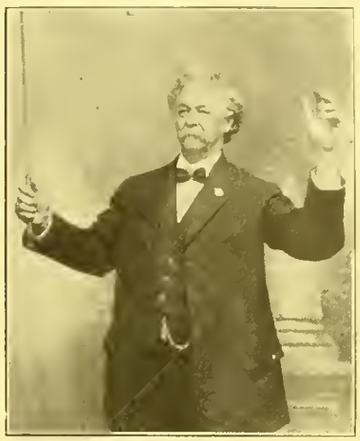
Leader in our specialty, the Araucaria Excelsa Robusta Compacta and Glauca, 8000 of all sizes, last Spring's importation, are now ready for shipment, and more coming along. See Us Grow! Remember, this is our twenty-fifth anniversary importing and shipping Araucarias. Ready for business; can handle the largest order at short notice.

Leader in Ferns

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer. 5, 5½, 6, 7 in. pots at 35c., 40c., 50c., 75c. to $1.00 each. 1 doz. or over, same rates.

Leader in Azalea Indica



Leader in

Begonia Gloire de Lorraine

Kentia Forsteriana and Belmoreana,

Rubbers, etc.

We Lead You into Wealth

GODFREY ASCHMANN'S SONG "WELCOME HOME"

Tune: When Johnnie Comes Marching Home Again.
(Composed by his Many Friends)

When Aschmann comes sailing home again,
Hurrah! Hurrah!
A warm-hearted welcome he'll obtain,
Hurrah! Hurrah!
The florists will gather from far and near
To greet his return with hearty good cheer,
For we'll all be glad when Aschmann comes sailing home.

He has sent us pictures of other lands,
Hurrah! Hurrah!
He never neglects the jolly home band,
Hurrah! Hurrah!
We will go to see the plants he has bought
To serve us well the best he has sought,
Won't we be pleased when Aschmann comes sailing home?

I have it in for you.
What have you in for me? What did I do to you?
Oh, are you the only one that don't know? Didn't you read all about Godfrey Aschmann's trip to Europe? I have in for you a large cargo of AZALEA INDICA (fresh baked) from the other side. I tell you they are Cracker Jacks. That is what you are looking for, isn't it? I have been going to Belgium purposely to make up a good selection of Azaleas for you and other customers you will be proud of.

AZALEA INDICA

Owing to the wet and cold weather in Europe this Summer and the large demand this Fall for Azalea Indica for Europe and for exportation, Azaleas this Fall are very scarce, and therefore, prices have been greatly advanced. But in spite of that, I want all to know that I have just arrived with a large importation of Azaleas in all sizes and of all prices, the best well-known American varieties. My grower over there, with whom I have dealt for the last fifteen years, has put his 200-acre Azalea field at my disposal, from which I made my selection—the cream of his output.

When a cigarmaker smokes a cigar, what does he smoke—the worst? Oh, no; with the fine fumes of his production he will smoke the best. By the fruit you can judge a tree, so by the fumes of a cigar, you can judge the maker.

Now is the time to force AZALEA INDICA for Christmas. What varieties you select to force for that purpose you can depend on to get in for Christmas.

Take my advice; take the well-known, early Christmas varieties: DEUTSCHE PERLE (double white); we have them at 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. SIMON MARDNER, well known to all, double pink, very scarce this year, 60c., 60c., 75c., $1.00, $1.25, $1.50, $1.75 to $2.00. VERVAENEANA, one of the oldest standard varieties, one of the best double variegated rose varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. APOLLO, single bright red, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. MME. PETRICH, double pink, one of the earliest of all; this variety is one of the scarcest this Fall in Europe (could get only 500 plants), 76c., $1.00, $1.26, $1.50 to $2.00 each.

EASTER VARIETIES

NIOBE (double white), 66c. and 75c. SHREVERIANA, double variegated, only big plants of this variety, $1.00, $1.25, $1.60 to $2.00. MME. VAN DER CRUYSSEN, best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. VERVAENEANA, and EMPRESS OF INDIA, double variegated, well known varieties, 60c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. SIMON MARDNER, 75c., $1.00, $1.25, $1.50 to $2.00. PROF. WOLTERS, only large stock, $1.00, $1.25 to $1.60. BERNARD ANDREA ALBA, white, only large plants, $1.25, $1.60 to $2.00. OSWALD DE KERKEN, $1.00, $1.25 to $1.50.
(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

Cash with order, please. All goods must travel at purchaser's risk.

A glorious sight we shall see this Fall,
Hurrah! Hurrah!
The best of Europe for each and all,
Hurrah! Hurrah!
For size and health, for color and price,
We shall hold our breath, they'll look so nice,
We'll hustle and buy when Aschmann comes sailing home.

We hope his journey will pay him well,
Hurrah! Hurrah!
He has bought for us that we may sell,
Hurrah! Hurrah!
So we'll sing a song with a rich refrain,
A cheer from all when Aschmann comes sailing home.

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, travellog 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 76c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 12c. to 15c.

ARAUCARIA Excelsa Glauca, 6-7-in. pots, fine shape, $1.00, $1.25, $1.50 to $2.00.
ARAUCARIA Robusta Compacta, 6-7-in. pots (they are crackerjacks this Fall), $1.00, $1.25, $1.50 to $2.00 each.
ARAUCARIA Excelsa, top cuttings, no seedlings, 6, 6, 7 in. pots, 3, 4, 5, 6 tiers, 12, 15, 18, 20, 25, 30 in. high, 40c., 50c., 60c., 75c., $1.00, $1.25, $1.50.
KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 35c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.
KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 25, 30, 35, 40 in. high, 50c., 75c., $1.00, $1.25, $2.00, $2.50 each. Combination Plants, 6-7 in. pots, three plants in a pot, 25 to 30 in. high, $1.25; 30 to 35 in. high, $1.50.
COCOS Weddelliana, 12 to 16 in. high, 15c., 20c., 25c.
BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.
ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 6c.; 4-in., 10c.
ASPARAGUS Sprengeri, 2¼-in., 3c.
NEPHROLEPIS Whitmani, Scholzeli, Scottii and Boston, extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each. Special to close out; Whitmani and Scottii, 4-in., 15c.
NEPHROLEPIS Todenoides, 2½-in., 6c.; 3-in., 8c.
FERNS for Dishes, a good assortment, 2¼-in., $4.00 per 100; 3-in., $5.00 per 100.
ADIANTUM Hybridum, 2½-in. 5c.; 3-in., 8c.; 4-in., 10c. 6-in. pans (2 plants) 25c. per pan
CINERARIA Hybridum, 2-in. pots, $3.00 per 100.
CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.
PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.
PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 16c.
FICUS Elastica, 5½ to 6 in. pots, 35c., 40c., 50c
PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c.
HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Christmas.
JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.; 3-in. $5.00 per 100.
DRACAENA Bruanti, 25 to 30 in. high, 40c. to 50c.
LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.
SHASTA DAISIES (pure white), 2½ in. pots, $3.00 per 100.

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REVIEW OF THE MARKET

NEW YORK, Nov. 1.—The disappointing feature of the cut flower market today is the light demand for all flowers, except Chrysanthemums. A shortening of the supply of some stocks has given to those stocks firmer prices, and in a few cases a trifling advance. In other stocks the supply is so much in excess of the demand that accumulations are the result, and, consequently, a slaughter of prices on these accumulations. The situation in detail is about as follows:

Monday the supply of American Beauty Roses was quite short, and prices advanced; today the supply is somewhat more abundant, and prices show signs of a decline; specials today are selling at from 20c. to 25c. each, while the lowest grade of blooms goes at from 75c. to $1 per 100. All other Roses are abundant, and sales are slow, accumulations resulting; 50c. to $1 is all too often the selling price, even in the case of blooms of good quality. The top price on the choicest blooms of all varieties except Am. Beauty does not exceed 5c. each, save a few My Marylands which realize 6c., and Chatenay 8c. each.

The Carnation supply is not quite so abundant, but there are more than enough for all demands. The quality is excellent. In the bulk of sales about $1.50 is the price for good blooms, but some exceptionally choice blooms realize as high as 3c. each, and a few Mrs. Ward and Alma Ward sell at the 4c. figure, but few sales take place today in which the price is above 2c. each.

Orchids are not so abundant, and there is a trifle better demand, consequently a slight advance in prices has taken place, Cattleyas realize today from 30c. to 50c. each, and Dendrobiums from 25c. to 40c. each. The Gardenia situation remains about the same as regards supply, demand and quality. The range of price is from $5 per 100 to $2 per dozen. The Lily supply is not large, and sales are sluggish indeed; the price is $5 per 100. Lily of the Valley is not very abundant, and the demand is fair; $1 to $4 is the range in price.

Chrysanthemums are plentiful and sales are large, at moderate prices. The early varieties have given way to the choice varieties of midseason; 50c. to $3 per dozen is the range of prices. Few blooms realize more than $2 per dozen, but, on the other hand, there are a few show blooms arriving which realize from $4 to $6 per dozen.

The supply of Violets is not nearly so plentiful, and there is a little better demand. They are selling at from 25c. to 50c. per 100. A few very choice blooms realize as high as 75c. per 100, but this price is exceptional.

All greens continue to move very slowly at quoted prices.

PHILADELPHIA, Oct. 31.—The cut flower market to-day is somewhat more active than it has been for several days previous, but the supply of nearly all staple stocks, nevertheless, seems to be in excess of demands, and the sacrifices in price of some stocks which have to be made to effect a clean-up bring down the averages.

The supply of American Beauty Roses is moderate, and the present demand disposes of this supply at about the same prices as last week, with a slight downward tendency. Specials are selling at from 25c. to 30c. each for the choicest selections, 25c. each being top notch in most sales, with occasional sales at the higher figure. The lowest grade blooms bring no more than 3c. each.

All other Roses are so abundant, and the demand is so sluggish that it is difficult to prevent accumulations, even at great sacrifice in price. Just now, the medium and lower grades of Roses are selling somewhat better than the top grades. The choicest blooms of Killarney, My Maryland, Mrs. Jardine, Richmond and Kaiserin in occasional sales realize as high as 8c. each, but this is exceptional, and most transaction for top grade blooms are on a basis of not more than 6c. each, while a like grade of Bride, Bridesmaid, Perle and Golden Gate bring 6c. each in some sales, but in most sales do not get above the 5c. mark; 2c. each is the price for the lowest grade blooms of all the above, while the demand lasts, but when this is over, an offer of 50c. to 75c. per 100 is not refused.

Carnations are not quite as plentiful as last week, but these are more than enough to go around with the buyers, and the tendency is toward downward prices. A few choice blooms bring $3 per 100, but $2.50 is top price in most sales, and many transactions are at prices ranging from 75c. to $1.50 per 100.

Orchids are not quite so plentiful, but with only a moderate demand no increase in price can be effected. The highest grade blooms of Cattleyas and Dendrobiums are selling for 50c. each, and many are changing hands at 40c. each.

The supply of Gardenias and the demand for them seem to be fairly well balanced, and $3 per dozen is obtained for the choicest selections. The daily arrivals of Lilies would really be inconsequential if there was anything doing in the Lily line which could be dignified by the word "demand," but there is not and Lilies are selling, when they sell at all, at from 6c. to 10c. each, mostly at the lower figure. The fact is they have no place now in the market. Lily of the Valley is in good supply and is moving quite well at from $2 to $4 per 100. Chrysanthemums of every grade are very abundant, and great quantities are changing hands. The early varieties have given way to the higher grade blooms of the midseason varieties. The prices are rather disappointing, ranging from 50c. to $3 per dozen, with few sales at more than $2 per dozen. Violets are plentiful enough, but their movement as yet is slow.

Oak sprays are more popular this season, perhaps, than ever before, and reduce the demand for the staple greens such as Asparagus, Adiantum and Smilax, all of which consequently move slowly.

BOSTON, Nov. 1.—There is a decided improvement in the market. The early days of the week were slow, but on Friday and Saturday all stock was cleared up and prices realized were much better than those of a week ago.

Chrysanthemums are at their full height of production and, as they always do, have forced a slump in prices on all other flowers. Prices run from $1 to $2 per dozen for good 'Mums.

Roses are quite plentiful and only the novelties, such as Mrs. Aaron Ward, are in real demand. Richmond is quite plentiful and it is hard to handle the quantity now in the market. Carnations are more abundant, only those with long stems are realizing good prices; there is quite a slump in prices from those of two or three weeks ago.

Violets are improving in quality and, as the cooler weather comes, prices will advance. Like all other flowers they are suffering from the over-plus of 'Mums. Lilies are a bit more plentiful and prices are holding well. Orchids are abundant and in good demand; Cypripediums, Phalænopsis, Dendrobiums, Vandas and Oncidiums are plentiful. Gardenias are of good quality but not over-abundant. Marguerites, both yellow and white, are becoming more plentiful.

The first Paperwhite Narcissus were seen in the market this week. Sweet Peas are improving in quality. Pot plants, such as Ferns, Crotons, Chrysanthemums and Lorraine Begonias are going well. Asparagus and Adiantum are plentiful and prices are good on all green material. R. C.

CHICAGO, Nov. 1.—The early part of last week found the market in a deplorable condition, the supply of 'Mums alone swamping the counters and being in such quantity as to render a clearance impossible. Fortunately this condition was only temporary. The early part of this week finds the supply lessened and the demand greater. Roses never were better in quality, and quantity is apparently unlimited; prices for fancy and shipping stock remain the same as last week.

Carnations are also excellent, but, with other flowers, have been moving slowly owing to the congested condition of the market. There are some very commendable blooms at all places, both as regards quality of flowers and length of stems; prices remain at from 2c. to 3c.

Lilies are not very abundant and are not missed. Orchids have been a little in over supply, but this week will see a demand for all obtainable. The prices vary according to demand. For Violets the demand as yet is very light. Sweet Peas are coming along nicely and are improving, although as yet the quantity is limited.

Greens in the past few days have been in the lime light, as there have been many occasions for their use.

INDIANAPOLIS, Nov. 1.—Quite a few uncomplimentary reports are heard in regard to the condition of the flower market at the present time. Chrysanthemums are being brought in by the hundreds, yes, by the thousands, and there is not enough outlet for them. Prices are in many instances sacrificed so that there is little profit remaining. This condition is partly due to unseasonable weather and partly to a falling off in funeral and decorative work. The storemen are not buying as lively as they did at this period last year and the market stands have but a limited retail trade. This condition is only temporary, everyone expects the market to change at any time. Counter trade keeps up better than other lines and much of the choice stock is taken early in the day.

Prices for Chrysanthemums vary greatly from day to day; $3 per dozen is the highest price for large fancy blooms, and majority of medium single and double stems bring $1 to $1.50 per dozen. Pompons and single varieties sell well at $4 per hundred sprays. Small flowers, yellow, white and pink from two to three inches in diameter wholesale at 35c. to 50c. a dozen.

Carnations are still off crop with several growers; the field is well supplied with flowers at $1 to $3 per 100; 50c. to 75c. a dozen is the store figure.

Harrisii Lilies and Callas are more numerous than demand warants; the quoted price is $12.50 per 100, but this is often deviated from in bargaining. Rubrum Lilies are to be had at $5 to $6 per hundred; Lily of the Valley at $3 to $4 per hundred. Home grown Cattleyas are numerous at 35c. to 50c. each; Kentucky Cattleyas are to be had at the same prices. White and other odd kinds of Orchids are shipped from Chicago at market rates. Single Violets are holding sway right now; they are in good condition at 50c. per 100; Eastern doubles retail at $1 per 100.

Roses, as is customary during the Chrysanthemum period, are slow in moving; fancy grades in quantity are to be had on short notice; Bride and Bridesmaid bring $2 to $4, and Killarney and Richmond $2 to $7 per 100. American Beauty is in fine condition at $5 to $25 per 100.

The green goods market is well supplied and a large cut is being shipped away.

ST. LOUIS, Oct. 31.—The commission market was in first-class condition all of last week; there was everything one wanted and as much of it, but the prices are entirely too low for this time of the year. The local demand was not very great, and the shipping trade was better by far than the local demand.

The Roses that come to this market are all of good quality; the cooler weather of late has put better color in them. American Beauty, best long, bring not over $2.50 per doz. and from this down to $1.50 per doz.; shorts from $3 to $5 per 100. Other Roses, such as Killarney, Richmond, White Killarney, Maryland and Bride, have only a fair demand at present—$6 to $8 per 100 for the extra fancy grades and in large lots a great deal cheaper; other grades from $1 to $4 per 100.

Carnations are also in poor demand, only the light shades selling. It is the Chrysanthemum blooms that are crowding the market to the wall just now and lowering the prices; these are now coming in heavily and will be for some time; extra good blooms bring from $2.50 to $3 per doz. Fine blooms of Ivory are arriving and bring $5 per 100. All large varieties have excellent demand. Lily of the Valley is selling slowly. Lilies sell well at $10 per 100. Violets have better color now and bring from 15c. to 35c. per 100. Smilax, Asparagus and bronze Galax have a good demand.

ST. PATRICK.

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Wholesale Prices of Cut Flowers, New York, Nov. 2, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	20.00 to 25.00
" extra	15.00 to 20.00
" No. 1	4.00 to 10.00
" No. 2	2.00 to 4.00
" No. 3	.75 to 1.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 6.00
Richmond	.50 to 5.00
Mme. Abel Chatenay	.50 to 8.00
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 6.00
" extra	2.00 to 4.00
" No. 1	1.00 to 3.00
" No. 2	.50 to 1.00
Adiantum	.... to .50
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to 2.00
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Daisies	.50 to 1.00
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to .50
Standard Varieties	White	1.00 to 1.50
	Pinks	1.00 to 1.50
	Red	1.00 to 1.50
	Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties)	White	1.50 to 2.00
	Pinks	1.50 to 2.00
	Red	1.50 to 2.00
	Yel. & Var.	1.50 to 2.00
Novelties		.... to ....
Gardenias, per doz.		.50 to 3.00
Gladioli		.... to ....
Hydrangea		.... to ....
Lilies, Harrisii and Longi.		.... to 5.00
Lily of the Valley		1.00 to 4.00
Mignonette, per doz.		.25 to .50
Narcissus		.... to ....
Orchids, Cattleyas		30.00 to 50.00
Cypripediums, per doz.		.... to ....
Dendrobium Formosum.		25.00 to 40.00
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		.... to ....
Smilax (per doz. strings)		.50 to 1.50
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.50 to .75
Tritoma		1.00 to 1.50
Tulips		.... to ....
Violets		.25 to .50

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New York

The seventy-ninth annual fair of the American Institute will be held in the Berkeley Lyceum Building, 19-21 West 44th st., Nov. 9, 10, 11. This will be a Chrysanthemum show, and exhibition of Palms, Ferns, Orchids, Roses, Carnations and Violets. The Horticultural Society of New York's Fall exhibition will be held at the American Museum of Natural History, Central Park West and 77th st., on Nov. 9 to 13, 1910. It is expected that this show will exceed that of last year in point of number of exhibits and attendance. Admission to the Museum is free.

James McManus, 42 West 28th st., is, as usual, receiving everything seasonable in the line of Orchids. Among these may be mentioned Cattleya labiata, of large size and fine color, also C. Trianæ, which is now beginning to come in, Dendrobiums in several varieties, Phalænopsis also and Oncidiums. Mr. McManus for many years has been, and now is one of the largest dealers in Orchids in this country, and probably there is no man in this country who has devoted himself more closely or intelligently to the Orchid business or who has done as much to encourage Orchid growing on the one hand, and to induce the retail florist on the other hand to make the Orchid a popular flower. The Adiantum hybridum, which Mr. McManus is regularly receiving, is beyond a doubt one of the best commercial Adiantums grown, if not the best, and it will bear the inspection of the most critical buyer.

The directors of the N. Y. Cut Flower Exchange, 55-57 West 26th st., will hold their regular monthly meeting at the Anable Building, 26 Jackson ave., L. I. City, on Saturday, Nov. 5.

Some Appleton, Brutus, Coombs and Ivory 'Mums seen at M. C. Ford's, 121 West 28th st., are remarkably well grown, and are among the very best observed in the New York market this season. Speaking of Ivory 'Mums, it is not too much to say that this good old variety, though not of the largest size, has so many sterling qualities that it is by no means a back number in the 'Mum market today, but when well grown meets with a ready sale.

Kervan & Co. expect to occupy their new store at 119 West 28th st. somewhere between Nov. 1 and 10. This is one of the best, and probably the best equipped store for the handling and storing of evergreens in this country. Lawrence Kervan, the senior member of this firm, planned the new store, and gave close personal attention to the execution of his plans, and Kervan & Co. are certainly to be congratulated upon the results as well as upon their occupancy of their new quarters.

J. K. Allen, 106 West 28th st., is carrying a regular supply of 8-in. pans filled with the best Fall blooming Pansy plants ever seen. The fact is the plants are so well grown, and the blooms so large, and the selection of colors so good that they compare favorably with the best Spring offerings in the Pansy line. Some remarkably good potted 'Mums are also seen here. In short, the goods are just such quality as one might expect to find where an old time, but uptodate

wholesaler has blossomed out with a new electric sign before any of the young fellows even thought of it.

H. E. Blauvelt, at one time manager of the New York Cut Flower Co., has embarked in the wholesale cut flower business, occupying space with H. Nelson, 55-57 West 26th st.

Some handsome blooms of Bellmore 'Mums were recently seen at George Saltford's, 129 West 28th st. The size and color of blooms, and the stems, were all right, and, furthermore, it was noted that they were selling well, too. Mr. Saltford attended the sixteenth annual exhibition of the Dutchess County Horticultural Society at Poughkeepsie on Oct. 27. He reports that Carnations made an excellent showing, but the Violets were not up to the usual mark, on account of the recent warm weather. The first prize for the best group of foliage and flowering plants went to W. G. Saltford, a brother of George Saltford. The group was a very large one, occupying the center of Armory Hall and attracting much attention.

Kessler Bros., 136-138 West 28th st., recently received several specimen plants of Kentia Belmoreana Palms. These are single specimens, and not "made up plants." They are 14 ft. high, very stately and beautiful. They are meeting with ready sale at $125 each. This firm received, on Friday of last week, seventeen cases of Boxwoods by S. S. Potsdam, and another invoice arrived this week. The business of the cut flower department, under the management of Ralph Gretsch, has prospered beyond expectations.

The Græco-American Florists' Supply Co., 127 West 28th st., has a large and well arranged store, fully stocked with a varied line of standard goods and novelties. Andrew Cova, the manager, reports business is increasing, and so far has surpassed his expectations.

At a recent meeting of the directors of the Growers' Cut Flower Co., 41 West 28th st., held at the Hotel Breslin, 29th st. and Broadway, the following officers were elected: Harry Weston, president; August Kramer, vice-president; George Rogers, treasurer; C. F. Bertanzel, secretary; J. J. Coan, manager. Edward Reyper, formerly with this company, is now with P. J. Smith, 49 West 28th st., and A. Whittley, formerly with Max Schling, takes Van Reyper's place, while George Rogers takes the place of J. Brozat, former treasurer. J. J. Coan, the manager, reports that business has doubled during the past year.

A. Motz, of the firm of A. Motz & Co., 55 to 57 West 26th st., has been sick for several days and confined to his home.

H. E. Froment, 57 West 28th st., is receiving some of the finest Killarney Roses now coming into the city.

Young & Nugent, 42 West 28th st., are showing a very nice stock of decorative plants, in pots and fancy boxes.

The Cheltoni 'Mums which P. J. Smith, 49 West 28th st., is receiving from Becker of Farmingdale, L. I., and the yellow Bonnaffon which Frank McMahon of Seabright, N. J., is sending in to Mr. Smith, are some of the best seen this year.

The F. S. Vallis, Beatrice May, O. H. Broomhead and other exhibition 'Mums which Henshaw & Fenrich are receiving from Charles H. Totty of Madison, N. J., on account of their large size and great beauty are attracting critical buyers.

Alfred H. Langjahr, 55 West 28th st., is receiving some Touset 'Mums which are meeting with much favor among buyers.

Last week, between Monday and Saturday, the employees of the Wells Fargo, American, Adams, United States and all other companies joined in the expressmen's strike. On Saturday the employees of the L. I. Express went out on a strike. The wholesale cut flower merchants of New York City at once saw the seriousness of the situation, and took active measures by hiring other delivery wagons and sending these to the various express offices to get the flowers consigned to them. It should be noted that by this prompt and energetic action they have not only prevented their own business from coming to a standstill, and warded off a cut flower famine in this city, but, what is most important of all, they have saved the growers who ship to this city from great loss. In spite of their best efforts some boxes of flowers were received very late, and in a much damaged condition, and some boxes from shipments were altogether missing.

This week the strike of the employees of the express companies has so completely tied up transportation, and the rioting has so intimidated the drivers of delivery wagons in the city that the wholesale cut flower dealers can no longer induce men to go with their teams to the points of express delivery to obtain their consignments of flowers. The various growers in New York, New Jersey and Connecticut are now, as far as possible, bringing in their own flowers directly to the wholesalers, by means of automobiles and wagons.

On account of the Election Day holiday next Tuesday, Nov. 8, Wm. Elliott & Sons will hold their regular Tuesday sale on Friday, November 11, at the usual hour. At this sale the first importations this Fall, from Holland, of Roses, Rhododendrons, Azaleas and other nursery stock will be offered. Messrs. Elliott have arranged a most attractive line of nursery stock to be offered, and a most satisfactory attendance is assured.

Albert E. Cole, the well known Rose grower of Montreal, Canada, has been a visitor this week.

N. Y. F. C. Bowling Ass'n

At the bowling session on Friday evening, Oct. 28, J. A. Manda won a handsome stein for high score with 212 pins. Next week the prize will be a handsome satchel, for the best head pin score in 12 frames; and the week following Herman Warendorff will present a Gillette safety razor for the best average in three games. A match to be bowled on Monday afternoon, Nov. 14, between the Association and the Astoria florists, is in course of arrangement.

PITTSBURGH CUT FLOWER COMPANY
WHOLESALE GROWERS
222 Oliver Ave., PITTSBURGH, PA.
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Superior Wire Work
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All Cut Flowers in Season
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Successor to Gillett & Ohmer
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HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee Street
'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.
Please mention the Exchange when writing.

J. KOPELMAN
Wholesale and Commission Florist
25 Washington St., Providence, R.I.
GREENHOUSES, OAKLAWN, R.I.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Nov. 1, 1910	Pittsburgh Nov. 2, 1910	NAMES AND VARIETIES	Boston Nov. 1, 1910	Detroit Nov. 2, 1910	Cincinnati Oct. 31, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	30.00 to 35.00	20.00 to 25.00
15.00 to 18.00	12.00 to 15.00	" extra	10.00 to 15.00	25.00 to 30.00	10.00 to 15.00
8.00 to 10.00	6.00 to 10.00	" No. 1	2.00 to 8.00	20.00 to 25.00	6.00 to 8.00
4.00 to 6.00	3.00 to 6.00	" No. 2	..... to	6.00 to 15.00	3.00 to 4.00
2.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	4.00 to 8.00	2.00 to 3.00
2.00 to 6.00	3.00 to 8.00	White Killarney	2.00 to 8.00	..... to	2.00 to 5.00
2.00 to 6.00	2.00 to 6.00	Bride and Bridesmaid	..... to	..... to	2.00 to 5.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
..... to	3.00 to 8.00	My Maryland	2.00 to 8.00	4.00 to 8.00	2.00 to 4.00
2.00 to 6.00	3.00 to 8.00	Richmood	2.00 to 8.00	4.00 to 8.00	2.00 to 4.00
2.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	2.00 to 8.00	K. A. Victoria	2.00 to 6.00	4.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.25	1.00 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 40.00	..... to .....
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 50.00	20.00 to 40.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to 12.50	..... to	Callas	..... to	..... to 15.00	..... to .....
..... to	1.00 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
1.50 to 2.00	..... to 2.00	Standard Varieties: White	1.00 to 1.50	1.50 to 2.50	.50 to 2.00
1.50 to 2.00	..... to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.50 to 2.50	..... to .....
1.50 to 2.00	..... to 2.00	Standard Varieties: Red	1.00 to 1.50	2.00 to 3.00	..... to .....
1.50 to 2.00	..... to 2.00	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to	..... to .....
..... to 3.00	..... to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to 3.00	..... to	*Fancy (*The highest grades of Sta'd vars.): Red	1.00 to 2.50	3.00 to 4.00	..... to .....
..... to	6.00 to 12.50	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	1.00 to 2.50	..... to	..... to .....
..... to	15.00 to 20.00	Chrysanthemums, ordinary	..... to	4.00 to 12.00	3.00 to 15.00
..... to .50	.50 to 1.00	fancy	4.00 to 15.00	15.00 to 25.00	..... to .....
..... to .20	..... to .20	Daisies	..... to	..... to	..... to .....
..... to .15	..... to .12	Ferns, hardy	..... to	..... to .12	..... to .20
..... to	..... to	Galax, green and bronze	..... to	..... to .12	..... to .15
..... to 12.50	10.00 to 12.00	Gardenias, per doz.	..... to	..... to	..... to .....
..... to 2.00	3.00 to 5.00	Lilies, Harrisii and Longi	8.00 to 10.00	..... to 15.00	..... to .....
..... to	..... to	Lily of the Valley	..... to	3.00 to 4.00	3.00 to 5.00
..... to	60.00 to 75.00	Mignonette	..... to	..... to	..... to .....
..... to	..... to 15.00	Orchids—Cattleyas	25.00 to 50.00	..... to	..... to .....
..... to	..... to	Cypripedlums	..... to	..... to	..... to .....
..... to 1.80	1.20 to 1.80	Dendrobiums	..... to	..... to	..... to .....
..... to .75	..... to	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
.50 to .75	..... to	Sweet Peas	..... to	..... to	..... to .....
..... to	.50 to .75	Violets, single	..... to	..... to	.25 to .50
..... to	..... to	double	..... to	.50 to .75	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
MILWAUKEE, WIS.
Please mention the Exchange when writing.

Boston

Business has improved somewhat since last week. The weather has cooled off considerably and although trade was rather quiet during the first part of last week it improved substantially during Friday and Saturday, in fact was fifty per cent. better than a week ago. Chrysanthemums rule supreme and have weakened the prices of other crops.

Nurserymen have suffered heavily from the severe drought and their sales have been much smaller than they were last year at this time. In some country districts water has been so scarce that they have had to carry it for miles. A severe frost has cleared up about all outdoor flowers and the only hardy plants still in bloom are Chrysanthemums and Aster tataricus. Owing to the very dry weather hardy outdoor Asters did not last long in blossom.

Wm. H. Elliott's pot-grown Chrysanthemum plants are the best commercial plants we see anywhere. They are well grown, dwarf and compact in habit, requiring no stakes and are well flowered. He grows Garza and Ivory for whites; Sunderbruch and Chalfont for yellow; Ethel Robinson for pink and Brown Bessie for dark red. His salesrooms on Park st. are a Chrysanthemum show in themselves this week. They grow 4000 of these stocky plants; they sell well at good prices.

Wm. A. Riggs leaves private gardening this week and enters the field of commercialism. He has been head gardener for E. A. Clark of Jamaica Plain for the past eleven years and has made many notable exhibits at Horticultural Hall during that time. He has bought the John G. Forbes estate in Auburndale, it consisting of two acres of land and 20,000 ft. of glass. There is a miscellaneous stock of plants grown there at the present time but Mr. Riggs is going to grow pot plants for the market later. He is a hustler and we have no fear but he will succeed. He was several years with Alexander Montgomery and got excellent training there for commercialism. He is a native of Rossshire, Scotland, and came to this country a number of years ago. Here is another instance that the private gardener of today may be the florist of tomorrow. How many of our very best growers have been private gardeners in their early days?

Begonias Gloire de Lorraine and the pot Chrysanthemums which are at the stall of the W. W. Edgar Co., at the Boston Flower Exchange, are well grown and find a ready sale.

George Cartwright, at the Boston Flower Exchange, is handling exceptionally fine Major Bonnaffon, sent in by A. G. Hanna of Holbrook, Mass.

Osgood Bros. of Woodlawn, Everett, are shipping some extra nice bunches of Asparagus Sprengeri to the Boston Flower Exchange, handled by Edward Rogean.

H. F. Calder of Norwood, Mass., is sending to market some well-grown white double Violets which are quickly bought up.

Henry Vose of Hyde Park is the first man to bring to market the flowers of Paperwhite Narcissus.

R. & J. Farquhar & Co. have a large display card in the Boston Flower Exchange, telling of their specialties, and another in the Boston Co-operative Market.

The new stallholders this past week at the Boston Flower Exchange are Frank Putnam, Pleasant View, Tewksbury; Frederick Bell of Stoughton; Fred Holbrow of Dorchester.

Mann Bros. of Randolph sell daily from 300 to 500 flowers of L. longiflorum giganteum; they are growing nine hundred thousand bulbs this season. They have imported more Irises this year than formerly; they found them quite profitable last Spring. Their first batch of Paperwhites will be ready for marketing this week.

Malcolm Orr of Saugus has given up Violet growing and is now growing Sweet Peas instead.

Peter Hylen of Randolph has a magnificent crop of 'Mums this year and is shipping to market some exceptionally fine blooms.

At the next meeting of the G. and F. Club, Tuesday evening, Nov. 15, Michael Barrett will deliver a lecture on "Bees as an Aid to Horticulture." This will make a most interesting lecture and we hope there will be a large audience to greet Mr. Barrett who is an expert on this subject.

Orchids are having a great call this Fall and there seems to be an unusual lot of them around; nearly all the retail stores are displaying them. Saturday last Galvin's window on Tremont st. had a luxurious display of these aristocrats

CHRYSANTHEMUMS

FANCY, $18.00-$25.00 per 100. EXTRA, $15.00 per 100.
MEDIUM, $10.00 per 100. SMALL, $6.00-$8.00 per 100.

Our supply this year will surpass anything we ever have handled, both in quality and quantity. All grades of Chrysanthemums at all prices.

EASTER LILIES $1.50 per doz., $10.00 per 100

Beauties, The Best $25.00 per 100

ROSES Pink and White Killarney, Maryland, Richmond, Brides and Bridesmaid

THE BEST $8.00 per 100 | EXTRA $5.00-$6.00 per 100 | FIRSTS $4.00 per 100

With the large supply of Roses at our disposal we are in a position to give you in all grades good value.

THE LEO NIESSEN CO. WHOLESALE FLORISTS
1209 ARCH STREET Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Nov. 1, 1910	Buffalo Nov. 1, 1910	NAMES AND VARIETIES	Phil'delphia Oct. 31, 1910	St. Louis Oct. 31, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	15.00 to 20.00
20.00 to 25.00	15.00 to 20.00	" extra	15.00 to 20.00	10.00 to 15.00
12.50 to 15.00	10.00 to 15.00	" No. 1	10.00 to 15.00	8.00 to 10.00
6.00 to 10.00	7.00 to 10.00	" No. 2	3.00 to 8.00	3.00 to 4.00
3.00 to 6.00	2.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 6.00
3.00 to 5.00	2.00 to 7.00	White Killarney	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
..... to	..... to	Mrs Jardine	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 5.00	3.00 to 8.00	Richmond	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	2.00 to 6.00	Perle	3.00 to 6.00	..... to .....
3.00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	K. A. Victorie	2.00 to 8.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to .....
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	2.00 to 3.00	..... to .....
8.00 to 10.00	..... to	Callas	8.00 to 10.00	..... to .....
1.00 to 1.50	1.00 to 1.50	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	1.00 to 1.50	1.50 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Pink	1.00 to 1.50	1.50 to 2.00
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.00 to 1.50	..... to .....
1.50 to 2.00	..... to	Standard Varieties: Yellow and var	..... to	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Std'd vars.) White	2.00 to 2.50	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Std'd vars.) Pink	2.00 to 2.50	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Std'd vars.) Red	2.00 to 2.50	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Std'd vars.) Yellow and var	..... to	..... to .....
6.00 to 12.50	10.00 to 15.00	Chrysanthemums, ordinary	4.00 to 6.00	..... to .....
20.00 to 25.00	15.00 to 25.00	" fancy	20.00 to 35.00	8.00 to 15.00
..... to	..... to	Daisies	1.00 to 1.50	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	..... to .10	..... to .....
..... to	..... to	Gardenias, per doz	2.00 to 3.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	6.00 to 10.00	10.00 to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
..... to	.50 to .75	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	40.00 to 50.00	..... to .....
..... to	..... to	Cypripediums	..... to	..... to .....
..... to	..... to	Dendrobiums	40.00 to 50.00	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.00 to 2.00	1.50 to 1.60
.50 to .75	..... to	Sweet Peas	..... to	..... to .....
..... to	.60 to .75	Violets, single	.30 to .40	..... to .....
.40 to .50	.40 to .50	" double	.50 to .75	..... to .....
..... to	..... to			
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....



WHY THE PM QUALITY RIBBONS ARE THE BEST

Those who have for years specialized along certain lines, giving their customers the best and most up-to-date in those particular lines, that brains, time and money could produce, have not won success by chance, but by perseverance, application and knowledge, with the thought always of giving something better each succeeding season.

This principle is applied in every detail and branch of our rapidly expanding business and in no department is this better demonstrated than in Our Ribbon Department. Our twenty years and more of practical experience in handling Flowers has given us ideas, obtainable in no other way. Each Flower has suggested Some Beautiful Ribbon Creation, each one more beautiful than the last, thus giving us the largest and best supply of Choice Florists' Ribbons of any house in the country. Customers re-ordering time after time demonstrates to us that the Pennock-Meehan Quality Ribbons are and must be by far the best.

We are now booking orders for Robert Scott & Sons' new roses, **Melody** and **Double Killarney. MELODY,** own root, 2½-inch, $6.00 per dozen; $30.00 per 100; $70.00 per 250; $250.00 per 1000. **DOUBLE KILLARNEY,** own root, 2½-inch pots, $3.00 per dozen; $20.00 per 100; $150.00 per 1000; grafted, $30.00 per 100; $250.00 per 1000. March 1st delivery.

Cut Flowers of All Kinds. **Catalogue on Request.**

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

of the floral kingdom, composed of large vases of Phalænopsis, Oncidiums, Dendrobium formosum, Vanda cœrulea and Cypripediums. There was also a new Rose called Hilda, a sport from My Maryland; it looks good and is of a dark pink color.

Wheeler & Co. of Waban, Mass., who make a specialty of growing Orchids for market, have added another greenhouse to their establishment. They have also torn down all the wooden benches in their greenhouses and are replacing with concrete. They have had an excellent crop of Oncidium varicosum Rogersii, and have just finished cutting it. Their Cattleyas are looking well; they have a large cut of C. labiata. Cypripedium insigne is flowering profusely. Cœlogyne cristata, of which they have a fine batch, looks promising. A house of Gardenias, a new venture, is coming along nicely.

William Doyle, the retail florist, has made an assignment; his creditors have appointed a committee to examine his books and straighten out his affairs. The committee, which consists of John McFarland, Patrick Welch, Henry Robinson, Patrick Donohue and William H. Elliott, had their first meeting last Saturday.

James Galvin, who was with Hoffman at Mount Auburn, is now with N. M. Silvermann on Winter st.

Fred Becker of Cambridge has some fine stock. A house containing 700 large plants of Begonia Gloire de Lorraine will be in good condition for the holidays. Two thousand Primula Chinensis are grown in 4-in. pots. A large house of Chrysanthemums looked remarkably well. There is here a new Chrysanthemum raised by Dr. Walcott of Cambridge, named Dr. Follen. Mr. Becker claims it is by far the best late yellow Chrysanthemum on the market today. It is a strong grower, having large stout stems and large fat buds. It will be in flower about a month from now. They have just finished potting 3000 Azalea plants.

Howard, the retail florist at Harvard Square, is doing an excellent business this Fall, to make up for a quiet Summer. He has a genuine bonanza when there are ball games on.

A. N. Anderson of South Sudbury is now with N. M. Silvermann on Winter st.

Hoffman has a grand display in his large commodious store on Mass. ave. He has by far the largest frontage of any of the retail stores and keeps his windows most gorgeously supplied with the best things in the market.

Frank Derry, formerly with Zinn on Park st., is now at Galvin's Back Bay store.

Some of the fine things Henry Cormley has in his window this week are plants of Camellia alba plena, Variegated Pineapple, Nicholson's Mignonette and a vase of Elliott's new Rose, Mrs. Waddell.

William Downs, ex-president of the Gardeners and Florists' Club, writes that he is much improved in health and expects to be back in Boston this week. He has had a very pleasant time in England; his many friends will be delighted to see him.

N. A. Silvermann, on Winter st., has a grand new wagon of the latest design. He reports good business. It is said that he made one of the largest wreaths for the Julia Ward Howe funeral that came from this city. It was a standing shower wreath of red Roses and Lily of the Valley, the base was of white Chrysanthemums. It was the tribute of the Armenians to show what their country thought of this beloved and wonderful woman.

Alexander McKay, who has been a florist at Framingham, succeeds W. A. Riggs at the Clark estate, Jamaica Plain.

R. C.

Philadelphia

Philadelphia wholesale cut flower merchants at this time, fortunately, are not inconvenienced, as their New York brethren are, by the failure of the several express companies to deliver flowers shipped to them by the growers. However, both the wholesalers, and the Pennsylvania growers who have been shipping to New York meet with a refusal from the express companies to receive flowers consigned to New York. For a few days this difficulty was met by some by shipping flowers as excess baggage, but this can no longer be done, and some other device must be resorted to or the growers will be obliged to cut out New York shipments and send to other cities.

Edward Reid, of Ranstead st., is receiving some fine Appleton, Bonnaffon and Balfour Chrysanthemums.

Eugene Bernheimer, of 16th st., reports that the 30,000 Lorillard Tomato plants at the Florex Gardens, North Wales, Pa., are now a very pretty sight. They are being grown on strings and to single stems, are well set with fruit,

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

All Leading Varieties of **ROSES AND CARNATIONS**

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

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Wholesale Florists

RICHMOND, INDIANA

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., CHICAGO

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Nov. 1, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	6.00 to	8.00
White Killarney	6.00 to	8.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	3.00 to	4.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	75
" Sprengeri	.35 to	75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.... to	....
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.50 to	2.00
Standard Varieties: Pink	1.50 to	2.00
Standard Varieties: Red	1.50 to	2.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
*The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	.35 to	.50
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.50 to	.75
" double	.75 to	1.00
Gardenias	25.00 to	35.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

and the harvesting of fruit will begin in about one month. The Lorillard produces a medium sized smooth fruit, which finds favor with critical buyers. Good cuts of American Beauty Roses, and of white and pink Enchantress, Beacon and Winsor Carnations are coming in from the Florex Gardens to the 16th st. store.

The S. S. Marquette brought this week to H. Bayersdorfer & Co. 300 cases of florists' supplies, among which were novelties in baskets and Magnolia leaves and Oak sprays. The two color novelty in Immortelles in twenty different combinations which this firm is now introducing is very pretty.

M. C. Dunn, 618 Chestnut st., keeps busy on box trade for which his location is very favorable.

C. A. Bradin of Lancaster ave., near 40th st., reports an extremely busy two weeks with funeral work. He recently gave away 500 Roses to the school children near his store, a proceeding which surely does help to get and hold trade.

John McIntyre is receiving subscriptions from a number of local florists toward a purse for a brother florist, Jack Crawford. Jack is well known by all the local trade, and his long illness has prompted the presentation. Anyone desiring to give a helping hand should see Mr. McIntyre.

John B. Cella, 21st and Columbia ave., says that business during July in design work was better than ever known in this store during the past 18 years, a fact which is also vouched for by Chas. Fox, the former proprietor of the store. Mr. Cella has just returned home from a two weeks' visit at a local hospital. This month concludes the second year of Mr. Cella's proprietorship, and the year just closing has been far ahead of the first year in point of trade.

Edw. McGrath, 2307 Ridge ave., has had his store fitted with electric lights, and it is now one of the "bright spots" of the avenue. The store has been papered and painted, and some slight changes made. Trade with Mr. McGrath is picking up nicely and is helped considerably by special sales. This week is "Fern week," and Ferns are offered at near wholesale prices. Saturday and Sunday are the "busy times," made so by his location near a cemetery.

Joseph Josephs, 1905 Columbia ave., has joined the retail ranks and has a well furnished and lighted store, finished in white. The electric sign hanging over the sidewalk shows cut flowers in colors, and can be seen several squares each way.

Julius Wolff, Jr., of 1617 N. 19th st., Philadelphia, and of Gimbel's store, New York, reports very good business at both places. In Philadelphia, he has a well arranged store well stocked and filled with salable novelties in willow, china and other ware. Mr. Wolff goes to New York once each week to oversee his interests there. At his greenhouses on Sedgely ave. are grown Orchids, Poinsettias, potted stock and cut flowers, mostly for retail.

The Primrose Flower Shop had a reopening on Sept. 15, the decorations being of Autumn leaves and bark. Trade is picking up here very nicely, and some elaborate wedding decorations were among the recent orders. Miss Ohl hints at some changes coming in the management of this store, as she has had a fairly good offer for the property, stock and good will, and plans to take over a place in the suburbs.

The McPherson Florist Shop was opened on Sept. 16, at 3009 Kensington ave. This store is finished in green, and has two nice windows. A medium-sized Hill ice-box has been ordered and will be installed in a few days.

Watson & Taylor, at Bridge and Cedar sts., Frankford, opened up on July 1. They grow a mixed stock for bedding and cut flowers, and will force some 15,000 bulbs. A splendid lot of potted 'Mums are shown here, and there is a bench of Violets coming along nicely.

Jacob Milner, 5722 Frankford ave., is building a new house of iron and concrete, from ideas of his own. The entire work on this house was gotten out by Mr. Milner, who found that his trade of tool maker came in very handy. A nice lot of Snapdragon, 'Mums and Carnations are grown here, and some 40,000 bulbs will be forced this Winter.

Harry F. Ehresman, of Frankford ave., is making some changes in his store and reports a fair business. He grows Carnations, Sweet Peas and Violets, for wholesale trade, at his range in Andalusia.

Julius Koehler, 1640 Bridge st., has a mixed stock for retail trade, and at present all hands are busy getting ready for Winter. Good trade is reported here, especially in design work.

Robt. McCraig, 2813 Kensington ave., reports the past year as being better than his previous years; this is due, in part, to a change in location.

Chicago

The Chicago Florists' Club held its regular monthly meeting, at the Union Restaurant, on Thursday evening, Nov. 3.

It has now been decided by the Chicago Horticultural Society to charge 75c. admission to the flower show on Saturday, instead of 50c. as reported.

Visitors: Martin Renkauf, of H. Bayersdorfer & Co., Philadelphia, on his way back from the Coast; E. G. Hill, Richmond, Ind.; Geo. Tromey, Cincinnati, O.; S. F. Willard, Wethersfield, Conn.

Mrs. Annette V. McCrea, the first woman to become a landscape architect in America, will lecture daily during the flower show in the Coliseum, on "Successful Flower Growing." Mrs. McCrea will be aided by stereopticon views, and four model gardens. The gardens will be in four corners of the Coliseum, each to have a distinct style. They will demonstrate English, old-fashioned perennial garden planting and shrubbery decorations. Scientific planting is also to be illustrated by the views.

Mrs. Francis King of Alma, Mich., will be one of the new exhibitors at the show. As her gardens are declared one of the sights of the State, it is expected her exhibit will be one of unusual interest. One of the chief delights is her beds of English Primroses, pronounced unsurpassed.

The carnivals that have been held in Chicago during several weeks by the business men, for advertising purposes, a different locality being chosen each week for parade, display, etc., have been the means of making business for the florists in the different sections, as floats decorated with flowers, and a wide distribution of cut flowers have been features of each turnout.

The Charity Ball, held in the First Regt. Armory by the Jewish Consumptives Relief Society last Sunday, helped to clear out the surplus stock on the market. A feature of the affair was a booth for the sale of cut flowers, and hundreds of Roses, Carnations and Chrysanthemums were disposed of. The hall was also beautifully decorated with Palms and potted plants.

It is up to the people at the polls on November 8 to approve the million dollar bond issue for the purpose of adding more small parks and play grounds to the city.

At the meeting of the forestry class of the Arché Club on Monday Mrs. J. C. Vaughan read a paper on "The Story of the Leaf." Mrs. E. E. Kendall of the State Forestry Board also spoke.

H. C. Wendland of Wendland & Keimel, who has been on a hunting expedition through Maine, has returned.

The new conservatory of Stolleng Brothers recently completed is now stocked with decorative plants and Chrysanthemums, and at night, when illuminated with electric lights, makes a beautiful display.

At the Palace Floral Co.'s store, 678 North Clark st., manager L. Leveson says that in the past few weeks he has been busy with numerous wedding decorations, and much funeral work.

Charles Maier, who recently opened at 3223 Armitage ave., expresses himself much satisfied with business so far.

A number of the retail florists had orders for large bunches of American Beauty Roses for presentation to Sarah Bernhardt on her arrival in Chicago on Sunday morning last. A large number of Orchids were also sent to her apartments.

The opening of the grand opera season this week means a call for many corsage bouquets and table decorations. Many of the florists are looking forward to a profitable season.

Strail & Hahn had a decoration for the stockholders and friends of the Cubs last week. The center of the dining table was covered with moss, the diamond was in salt, and the players in candy. This firm also had a large wedding decoration last week, and yellow and white 'Mums were used in quantity. A ball room on the third floor of the residence was most elaborately decorated. The buffet table was heart-shaped and the decorations of yellow 'Mums in gold baskets.

A. Lange had a unique and original decoration at the Midway Club last week, for the Cub players. Oak leaves and 'Mums were used, also a centerpiece consisting of a baseball diamond with miniature players in their places.

Friedman has installed a new case in his store for displaying Orchids. The entire store has been re-arranged for the opening of the Fall season.

With flower shows at Minneapolis, Indianapolis, St. Louis, Milwaukee and Chicago the same week, the attendance of many visiting florists at the Chicago show is not likely to be large.

Paul Blome, the North Side florist, who was taken sick last week, is reported as rapidly improving, although he will be confined to bed for some time.

At A. L. Randall Co.'s a vase of the new Rose Hilda was on exhibition recently. Quite a few of the local growers who have seen it have placed orders for stock, for which the Randall Co. are the Western agents. In the supply department of this house a new sample room has been fitted up, on the third floor, and the same is devoted entirely to samples of all articles carried by this concern.

It has been arranged that the Chicago Florists' Club will hold a dance in the Coliseum Annex on Friday evening, November 11, free to all out of town florists, with tickets at $1 to city florists.

W. A. Desmond, manager of L. S. Donaldson Co., Minneapolis, Minn., is visiting in Chicago this week.

J. A. Schnapp, of the Alpha Floral Co., who has been ill for several weeks, is back at his post.

We are sorry to learn that John Risch is down with typhoid fever.

Wm. Graff, manager of the Congress Floral Co., reports a good business from the date of his opening.

John Kruchten is carrying some fine pink Bouvardia in stock. He has made a specialty of this flower for some time.

Percy Jones is handling what is considered exceptionally good Galax for storage stock.

Some extra fine pink and white Sweet Peas are to be seen daily at the store of Zech & Mann.

CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
AMPELOPSIS Veitchii, 4-in. pots, $10.00, per 100; 3-in. pots, $5.00 per 100.
ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.
FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.
DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.
GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.
HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.
HYDRANGEA Otaksa, from open ground, 3 to 4 buds, $10.00 per 100; 5 to 7 buds, $12.00 per 100; 8 to 10 buds, $15.00 per 100.
HYDRANGEAS, Otaksa and **Thomas Hogg,** grown in 4-in. pots, $1.00 per dozen.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA

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PRIMROSES

Obconica, Giants; Chinese, Large-flowering, Fringed, and **Kewensis,** the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant. 3-in. $4.00 per 100.
CINERARIAS. Large-flowering, 3-in. $3.50 per 100; 2-in., $2.00 per 100.
ASPARAGUS Plumosus, 3-in., $4.00 per 100.
DRACAENA Indivisa, field-grown, strong, for 4-in. pots, $4.00 per 100.
These are well grown plants and will please you. Cash please.

J. W. MILLER, Shiremanstown, Pa.

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PETUNIAS
Seeds of our celebrated strains
Marvelous Double and Giants of California (Single)
Orders booked for Fall Delivery.
We are also large growers of other Small Seeds. Send for Trade List.
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WYNCOTE, PA.
Growers of fine KENTIAS
Send for Price List

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Smilax Plants
Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.
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HARDY PLANT BARGAINS
400 Clumps **PEONIES, Double Varieties, Mixed Colors,** 3 to 5 eyes, $3.00 per 100.
400 **IRIS, Mme Chereau,** $3.00 per 100.
400 **IRIS Florentina Alba,** $3.00 per 100.
500 **FUNKIA VARIEGATA (Quaker's Pride),** 3 to 5 eyes, $5.00 per 100.
200 **HEMEROCALLIS THUNBERGII (Lemon Lily),** $5.00 per 100.
100 **HARDY FALL-BLOOMING WHITE CHRYSANTHEMUMS** $3.00 per 100
J. R. BAUMANN, Rahway, N. J.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Pittsburgh

The first severe frost (Oct. 29) put an end to all outdoor stock excepting the old garden Chrysanthemums, which were never finer than this year, blooming profusely the last three or four weeks and still in pretty fair condition, although the thermometer went below 30°. The sudden loss of all outdoor stock had no effect on prices for stock grown under glass is coming in too heavily for the demand. Good 'Mums hardly pay at what they bring, every one is cutting at present and the market is overstocked. Roses are also cheap, particularly Am. Beauty of good quality. Carnations bring about 2c. and are much improved, having good size, good color and fairly long stems. A few Sweet Peas were in but demand was slow. Trade was rather unsatisfactory considering the many social affairs of last week.

Last Sunday was opening day for the 'Mum shows in the park conservatories in the East End and North Side. Thousands of people flocked to the Phipps conservatories in Schenley Park all day, from early morn until sundown, to view the great show which is better than ever. Three large houses are filled with many sorts of 'Mums, including freaks, Pompons, and all the regular market sorts. About a dozen new varieties were shown for the first time and several of them are worthy of culture. In height the plants range from 2 ft. to almost 10 ft. and they are effectively arranged to show to the best advantage. It requires lots of time and labor to make such a show. Supt. Burke and foreman J. Jones have worked hard the past few weeks and it certainly gives them great pleasure to have the public appreciate what they have accomplished.

The 'Mum show on the North Side is not nearly as large, but quite a few thousand good blooms are here, not so far advanced, but will show to better advantage in another week or so. As these conservatories are within walking distance for the North Siders they are always well visited. Foreman J. Moore has the whole place in fine shape, the Palm house particularly, and here one can get Bananas in fruit almost any time.

E. C. REINEMAN.

Cincinnati

Business during the past week has been anything but encouraging; everything suffers, including Chrysanthemums and American Beauty Roses. While there has been very little stock going to waste yet the prices obtained are hardly worth speaking about. Something seems to be radically wrong; is it the automobiles which are now claiming the attention of the dear public and the expense it takes to run and maintain them, so that the florists naturally have to suffer? Then, on the other hand, so far in this city there have been very few débutantes, and not many in sight; those who are best posted say that there are but three to come out this season in Cincinnati. Retail florists keep pretty close tab on these events as society makes quite a flower display on such occasions.

The cold snap we have had has put out of commission all outdoor stock, which will help some.

The All Souls' Day trade, which occurs at the Catholic cemeteries here on the Sunday before the last day of October, was very disappointing; not nearly so much stock, even of the cheaper grades, was disposed of this season as last. Next Sunday some of the other cemeteries are to do their decorating, and this will likely improve conditions somewhat.

L. H. Kyrk is very much improved but is still confined to the house, although feeling pretty well considering.

John Walf, whose wife was killed in an automobile accident several weeks ago, will dispose of his greenhouses and his residence but will continue to run his store on Eastern ave.

Chas. Weltze of Wilmington was in the city during the week, and informed the writer he had bought out the interest of Weltze Bros.

E. G. GILLETT.

St. Louis

H. L. James, of the Warfel Floral Co., Muncie, Ind., was a caller this week. Mr. James is an old St. Louis boy and combined pleasure with business during his stay.

Charlie Kuehn is expected down to business this week, having fully recovered from his recent sick spell, and his friends will be glad to see him after an absence from business of over two weeks.

Begonia Gloire de Lorraine
BEAUTIFUL PLANTS IN FULL BLOOM
6 inch pots, $12.00 per dozen. 7 inch pots, $15.00 and $18.00 per dozen. 8 inch pots, $24.00 and $30.00 per dozen.
Send us your order at once for samples. We can then be sure of your Christmas order.
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VINCA Variegata, field-grown, at $4.00 per 100.
NEPHROLEPIS Superbissima, Scholzeli, Scottii and Whitmani, 5-in. pot plants, $4.00 per doz., $25.00 per 100.
KENTIA Belmoreana, 2½-in. pot plants, $8.00 per 100; 3-in. pot plants, $15.00 per 100; 4-in. pot plants, 12 to 15 in. high, $35.00 per 100; 5-in. pot plants, 15 to 18 in. high, $60.00 per 100.
PRIMULA Sinensis Fimbriata, Pink and Red, 3-in. pot plants, $4.00 per 100.
PRIMULA Obconica Grandiflora, Pink, Red and White, 2½-in. pot plants, $2.50 per 100.
CELESTIAL or **CHRISTMAS PEPPER,** 4-in. pot plants, $10.00 per 100.
NARCISSUS Von Sion, select forcing stock, single nose, $11.75 per 1000.
NARCISSUS, Paper White Grandiflora, 13 centimeters and up, $1.00 per 100, $9.00 per 1000.
HYACINTHS, White Roman, 12 to 15 centimeters, $2.00 per 100, $17.00 per 1000.
NARCISSUS, Trumpet Major, (French Grown,) $1.00 per 100, $9.00 per 1000.
GLADIOLUS Blushing Bride and The Bride, 60 cts. per 100, $5.00 per 1000.
SPIREA, large flowering clumps, Gladstone, $9.00 per 100; **Queen Alexandra,** $12.00 per 100.
ASTILBOIDES, Florahunda, $4.50 per 100; **Superba,** $6.00 per 100; **Blondin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** $4.00 per 100.
Full line of bulbs and florists' plants. Send for wholesale list No. 5, if you have not received it.
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Rutland Road and East 45th Street, BROOKLYN, N. Y.
Palms, Ferns, Decorative Plants
Especially Scottii Ferns

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DRACAENA INDIVISA
2-inch, $2.00 per 100; $16.00 per 1000.
2½-inch, $2.50 per 100; $22.00 per 1000.
These will make good 3¼ and 4-inch stock for Spring trade. Also field grown plants ready for 5 and 6-inch pots, 10 cents each.
CYCLAMEN, nicely budded, in 4-inch pots, $15.00 per 100.
ASPARAGUS SPRENGERI, 2½-inch, $2.50 per 100; 3-inch, $4.00 per 100.
FERNS, Scholzeli, Boston and Whitmani, fine plants in 4-inch pots, 20 cents each.
PRIMROSES, Chinese and Obconica, 4-inch, $8.00 per 100; 3-inch, $4.00 per 100.
WETTLIN FLORAL CO., Hornell, N.Y.

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THE AMERICAN CARNATION By C. W. WARD
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Packed in small crates easy to handle

	Price per crate
1500 2-in. pots in crate	$4.88
1500 2¼ " "	5.25
1500 2½ " "	6.00
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800 3½ " "	5.80
500 4 " "	4.50
320 5 " "	4 51
210 5½ " "	3.78
144 6 " "	3 18
120 7 " "	4.20
60 8 " "	3.00
48 9 " "	$3.60
48 10 " "	4 80
24 11 " "	3.60
24 12 " "	4.80
12 14 " "	4.80
8 16 " "	4 50

4½6 4½-in. pots in crate $5 24

HAND MADE

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

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Florist Specialties.

KEYSTONE CEDAR PLANT TUBS.



	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
S	12¼ "	.75	8.25	65.00
C	13¾ "	.85	9 35	75.00
D	14¾ "	1.00	11.00	90.00
E	15¾ "	1.25	13 75	110.00
F	16¼ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28 00

Painted Green.

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
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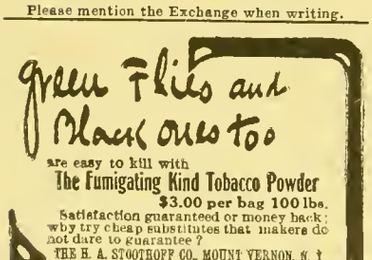

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For GREENHOUSES, LAWNS, FARM, Etc.

AT WHOLESALE PRICES

I save you 30 per cent. State plainly what you require and for what purpose.

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100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN

285-289 Metropolitan Ave., BROOKLYN, N. Y.

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ST. LOUIS—Concluded

Arthur Beyers and Louis Geiger have left the employ of the Grimm & Gorley Floral Co.; both young men are reported to have gone to Chicago to accept positions.

Hugo Busch, florist of Jefferson City, Mo., was a caller the past week in the interest of the new Missouri State Capitol, and he hopes that all the trade in Missouri will vote for the erection of the new building at the election next Tuesday, Nov. 8.

Henry Emunds of Belleville, Ill., was a caller last week and showed us some fine blooms of his yellow sport of Chrysanthemum C. Touset. Henry is cutting a fine lot of other varieties in 'Mums.

Among the South End florists who are in fine shape with potted Chrysanthemum plants are Wm. Schray & Sons, Chas. Beyer, John Held, J. W. Walther and Geo. B. Windler. They are supplying the store men regularly now.

Chas. Bleekert reports that he will go into the wholesale growing business. His place on Labadie ave. is at present in fine shape to supply the trade with plants.

Kuehn's consignments last week (in Chrysanthemums, Carnations and Roses) were large and of extra fine quality. The demand throughout the week was not as good as it should be; shipping trade was much better.

At Smith's wholesale house, where the bulk of the consignments are home grown, good Carnations, Violets and Roses were to be had. Stock moved fairly well here, but there was not enough demand to consume the whole of the consignments.

The Ladies' Home Circle has completed arrangements for entertaining the visiting lady florists during the flower show, which opens next Tuesday, Nov. 8, in the Coliseum.

The Horticultural Society has completed all details for its show, Tuesday, Nov. 8. The members of the executive board say that the three $500 prizes will bring out a large competition.

The Florists' Club meets next Thursday afternoon, Nov. 10, and after its meeting will serve refreshments and cigars to the visitors, who are all invited to attend the meeting. The trustees who have this in charge report that they have a great surprise in store for those who attend.

ST. PATRICK.

The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

COMMERCIAL VIOLET CULTURE Price $1.50
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Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
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GREENHOUSE BUILDER
HEATING AND VENTILATING
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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
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Ridgewood, N. J.

Andrew V. D. Snyder will force 600,000 bulbs this season. Mr. Snyder visited Holland last Summer to make his purchases and, being himself of Bergen Dutch descent was able to talk enough Dutch to hobnob with the bulb growers and have a good time.

Wm. T. Barkham has had a busy season; between wedding decorations and funeral work a large quantity of flowers have been used.—J. G. E.

Worcester, Mass.

Ross Bros.' seed store is busy with orders for bulbs and seeds for in- and outdoor planting. The store is a popular place with visitors from the country, who get valuable information on planting and caring for their gardens.

H. F. Littlefield's two stores report a brisk business in cut flowers, design work and green goods. At 409 Main st. an attractive display of Chrysanthemums and Roses was seen last week.

H. F. A. Lange is showing a splendid variety of Roses, Chrysanthemums, Lilies and Violets. One display includes Jerusalem Cherries, Orchids and Palms, and is an effective window. For Hallowe'en Mr. Lange had an appropriate arrangement of Roses for a table centerpiece, with a large, grinning Jack-o'-Lantern. The children were delighted with this window.

F. A. Madaus is building a new greenhouse on Plane st. Mr. Madaus will grow Violets, of which he has made a specialty for years.

Chas. D. Mackie, the popular Pleasant st. florist, is showing plenty of Chrysanthemums of all colors, and has his usual assortment of Carnations. Funeral design work is the principal business of the week.

Leonard C. Midgley, of the Worcester Conservatories, is reported to be a candidates for the secretaryship of the Worcester County Hort. Soc. Adin A. Hixon, who has served for 21 years, will decline re-election, because of failing health.

H. F. Midgley is busy all the time. His attractive store is well stocked with 'Mums, Roses, Carnations, and Violets.

The Flower Shop, Southbridge st. has many funeral orders for the week. Sweet Peas are arriving in the store and are already in good demand.

Excellent weather has made both retailers and wholesalers happy, and given them plenty to do. E. D.

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One cent gets our catalog
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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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Trouble Talk

Number VII.

It answers the question: Why are some florists like a bird's tail?

Say, but I got a jolt Tuesday morning. The Boss did it. Did it so hard, I felt like firing him again (said in a low voice).

It was like this: The last three months have been corking business ones for us heating fellows. So naturally, last Tuesday when I landed one of the big guns for a nice juicy heating contract that it had taken me three months to pull over, I felt a bit chesty.

Tipping my hat on the back of my head, I walked into the Boss's office, coughed three times and tossed the order on his desk. Of course, I expected he would call up Thorley on the 'phone and order a couple of dozen American Beauties sent to me by special messenger. But he didn't! No, he didn't! He turned slowly around in his wheel chair, drummed on his desk (a dangerous sign) and then opened fire on me. He accused me of being dead slow—intimated I didn't know my business and several other pleasantries.

He said: "That order should have been taken in July or August—when we were not head over heels with work. Then it could have been given careful attention and turned out quickly. But now everybody is unreasonable and want everything done the very next minute. Every one of our men who know anything about heating, and some who think they do, are out on jobs all over the country, and still we cannot begin to catch up. If this sort of thing keeps up we will have to send out the bookkeeper and the office boy with a pair of overalls."

He further said: "Just because some of the growers are like a bird's tail, always behind, that's no reason why you should not put salt on the tails and catch their business in June or July, just as well as now.

"Of course, Mac, we are glad of this contract and we will make a satisfactory job out of it. But there will be delays. Delays that no one under canopy will be to blame for—but the grower and you. So don't come in here growling when we can't do the impossible in filling these rush orders at this late day."

Stepping softly out of his office, I sat down at my desk and thought it all over. The Boss was right (as usual). Next year I am going to begin poking you tail-enders in the ribs along first of April—and keep at it until I get you in line early or dislodge a rib.

Am not feeling so chesty just now. Perhaps I had better stop telling you my troubles. So, so long till first of April.

The Trouble Man

Hitchings & Co.
ELIZABETH, N. J.

Please mention the Exchange when writing.

Saddle River, N. J.

J. G. & A. Esler have just finished fitting up the grounds of Mrs. Josephine Stiles, a New York millionaire, who owns a beautiful place in the Saddle River valley. The same firm has had a large demand this Fall for funeral designs which have more than taken the output of their plant.

San Francisco

The Market

In the past week market conditions were pretty nigh perfect, from the growers' standpoint. Much good stock was to be seen, and there were lots of buyers who were willing to pay good prices for well grown stock. In a way, the big exhibition of the Pacific Coast Horticultural Society, held in the Fairmont Hotel this week, helped both the growers and retailers alike, inasmuch as it created a demand for flowers of all descriptions among the flower loving public. Chrysanthemums still dominate the market, so far as popularity is concerned. Prices for good blooms ranged from $3 to $3.50 per dozen, which is remarkably good considering the time of the year. Carnations continue to improve daily and another week should see them perfect, so far as quality is concerned. There will always be a good demand for Roses of first class quality and it is up to the growers to meet this demand. American Beauty have been really good, and the length of stem has been fully up to the mark. Violets have been in heavy supply of late, although they move remarkably well and fetch good average prices. Lilies are to be had in moderate quantities, Easter Lilies, L. rubrum and L. auratum being the varieties most in demand. Cosmos is quite a feature in the store windows, but it cannot be said that it is a very great success as a seller. Orchids are plentiful and clean up well. Cattleyas are in good demand, as also are Oncidium varicosum and Vanda cœrulea; Phalænopsis amabilis is a good seller and can always be depended upon to bring good prices. Green goods of all sorts are plentiful, with prices about the same.

Various Notes

Geo. C. Pape, the well known horticultural builder, is rapidly building up a splendid business in his particular line of work. Contracts have been signed by him for work as far north as Seattle, and also quite a few contracts in southern California. Mr. Pape has recently opened an uptodate office in the Westbank Building, San Francisco.

The Piedmont Floral Co. of Oakland has retired from business, and has closed its store on San Pablo ave.

Three carloads of imported European stock were received this week by the MacRorie-McLaren Co. This concern is now probably the largest of the landscape engineering concerns in the West, contracts this year being almost double what they were last year.

The Gill Nursery Co. of West Berkeley reports having booked several large orders for Roses this Fall. The Roses at the nurseries at Berkeley are looking well at present, and promise well for the future.

E. James of Elmhurst has a magnificent lot of Cyclamens coming along at present. Lorraine Begonias are also showing up well with him, and promise good returns for Winter trade.

Andrew McDonald of Fair Oaks has returned from his European trip. He reports having had a most enjoyable trip.

The Realty Syndicate of Oakland intends planting over one million Gum trees this coming Spring. Most of this stock has been raised by their own men.

The J. R. Sievers Co. on Powell st. had an elegant window display this week, the main feature being Cattleyas. The display attracted considerable attention.

Henry Goertlien of Redwood has excelled himself this year in the cultivation of Chrysanthemums. Never have I seen a more perfect lot, and he is to be congratulated upon his great success at the recent exhibition of the Pacific Coast Horticultural Society, when he practically swept the boards in the 'Mum classes, and proved himself to be our leading grower.

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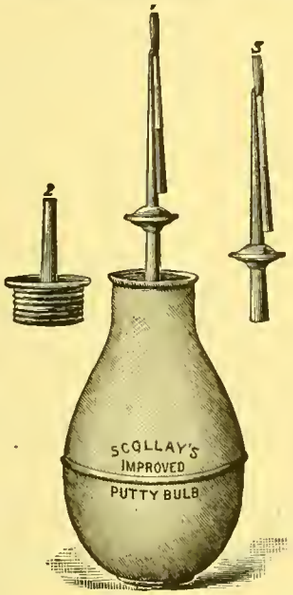

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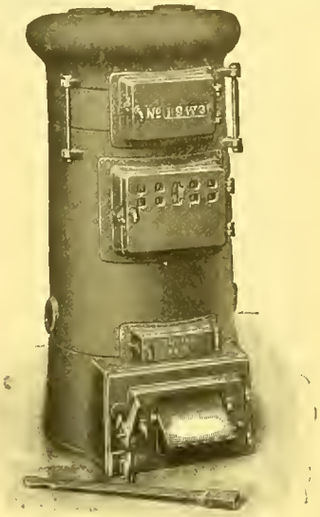

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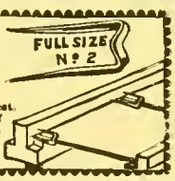

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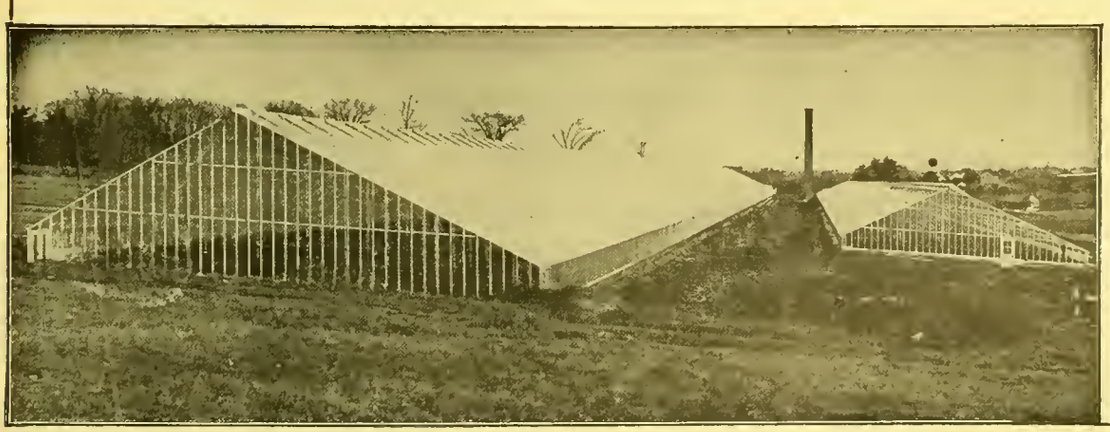

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Second, you like the idea of its increased lightness and know at a glance that it must be a great growing house.
Third, you like the way it is constructed and believe that at last here is a Curved Eave house that is practicel in every way and without a question as to its durability.

Hooking these facts up to a concern in whom you can place full confidence, gives you a guarantee of securing a house without the usual disappointments.
Perhaps the best thing for you to do, is write us a line, stating the size of house you have been thinking of and so on; then we can send you some advance pages from our new catalog, or a photo or two that will help you in deciding things. This is a good time to build.

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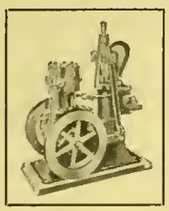

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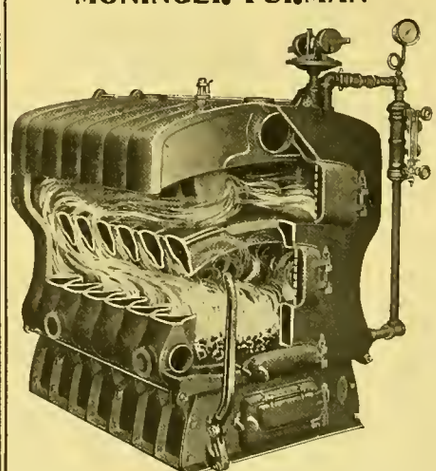

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5-inch pots, strong bushy plants..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants..... .50 each, 6.00 per doz.
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8-inch pans, strong bushy plants..... 1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE

5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50 each.

FICUS PANDURATA

6-inch pots, $1.00 each.

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4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

JERUSALEM CHERRIES

Short, stocky plants, $2.50 per doz., $20.00 per 100.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

4-inch pots ..... $30.00 per 100, $250.00 per 1000.

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2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

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One to two shoots..... $6.00 to $10.00 per 100
Three to five shoots..... 15.00 to 20.00 per 100

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30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

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	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

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Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
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	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

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COLEUS, In Standard Sorts	$2.00	3.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2.00	3.00
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The Point is This

	100	1000
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LILIUM Giganteum, 7-9	7.00	$65.00
Candidum, 22 cm	5.00	
Harrisii, 5-7	5.00	45.00
Harrisii, 7-9	9.50	85.00
FREESIAS, Selected	.75	6.50
Mammoth	1.25	9.00
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Queen Victoria, white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS	2.00	
DUTCH HYACINTHS, Single in colors	2.25	20.00
Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS	1.60	14.00
NARCISSUS, Paper White Grandiflora	1.25	9.00
Von Sion, Single, golden yellow	1.00	9.00
Von Sion, Mammoth Double Nose	2.25	18.50
Double Roman	1.15	9.00
SPIRÆA Japonica, extra strong	5.00	45.00
compacta multiflora	5.00	45.00
Astilboides floribunda	6.00	50.00

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.



Heinemann's Seed Novelties

1911

To the Trade only

MY LIST of the BEST NOVELTIES and SPECIAL LIST will be sent on APPLICATION.

SEEDS of MY NOVELTIES and SPECIALTIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES.

SEED NOVELTIES For 1911

NEW GIANT-FLOWERED VERBENAS in splendid mixture. (See engraving)

DIANTHUS HEDDEWIGI MARGINATUS. SINGLE JAPAN PINK "Silver-edged."

PAPAVER somniferum Single Poppy "Black Prince."

GLOXINIA hybrida crassifolia crispa "Waterloo."

NEW EMPEROR Salpiglossis "Purple Violet with Gold."

F. C. HEINEMANN

Seed Grower

ERFURT, Germany

Please mention the Exchange when writing.

To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well rotted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse.

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co.

50 Barclay St. NEW YORK

Please mention the Exchange when writing.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

Pansy **World's Fair Strain,** Giant Flowers, fine, stocky, field-grown plants, **$3.00 per 1000.**

Ferns Pot-grown, **Boston, Piersoni, Whitmani** and **Amerpahli,** 2½-in. **$4.00** per 100; from 4-inch **$15.00** per 100. Cash or to exchange for **Cinerarla, Primula Chinensis Obconica** and **Cernations,** true to name.

SHELLROAD GREENHOUSES. **Grange, Baltimore, Md.**

Please mention the Exchange when writing.

COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS orgenteum	$1 50	$12 00
Brozlliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petroeo	1 50	12 00
Bannetl	1 50	12 00
erlospatha	1 50	12 00
Garlnerlae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
odarata	1 50	12 00

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA — SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

SURPLUS BULBS

Highest Quality

SINGLE NARCISSUS

	Per 100	1000
Incomparabilis, yellow	$0.75	$6.00
Leedsii and Mrs. Langtry	.75	6.00
Poeticus (Poet's Narcissus)	.60	5.00
Poeticus Ornatus	.75	6.00
Princeps	.80	7.00
Trumpet Major (Van Sion)	.90	8.75
Paper White Grandiflora, fine bulbs, 13 cms. and over, per case (1250 bulbs) $10.75	1.00	8.75
Single Mixed. A fine assortment	.75	6.00

SINGLE TULIPS

	Per 100	1000
Artus, scarlet	$1.00	$9.75
Crimson King	1.25	12.00
Cottage Maid, pink	1.00	8.75
Chrysolora, yellow	.90	7.00
La Reine, white	.90	7.50
L'Immaculee, white	.90	7.50
Yellow Prince	.85	7.75
Rainbow Mixture, extra quality	1.00	9.00
Fine Mixed	.75	6.00

DUTCH HYACINTHS

	Per 100	1000
Single, Named, the best varieties for forcing or bedding	$4.00	$38.00
Single, separate colors, for bedding	2.25	20.00
White Romans (French) 12-15 cms.	2.25	20.00

CROCUS

	Per 100	1000
Named Sorts	$0.60	$5.00
Mixed	.35	3.00

Write for complete Bulb List.

JOHNSON SEED COMPANY

217 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Special Offer to Clear Out

Early Fall Stock

LILIUM CANDIDUM

	12	100	1000
Thick petaled, extra size bulbs, 22-24 In.	$0.60	$4.25	$40.00

Our stock of Dutch Bulbs is complete. Send for catalogue and lowest price quotations.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing

PRIMULA KEWENSIS

Extra strong and fine, $3.00 per 100.

XXX SEEDS

Gaillardia. Grandiflora, hardy, Burbank's Latest Improvement, giant flowers, brilliant colors, pkt. 25c. Grand.

Shamrock True Irish Green, sow this Fall, packet 25c.

Chinese Primrose. finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum. Finest Giants Mixed, 250 seeds $1.00; ½ packet 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
FLORISTS' SEEDSMAN

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

$ Need Money, Need Room $ For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.
NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.
ROMAN HYACINTHS, 12-15 ctms., $23.00 per 1000.
LILIUM Harrisii, 7-9 inch, $8.00 per 100.
Special low prices on **DUTCH BULBS, BOXWOOD, BAY TREES,** etc.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

Extra Size, French Forcing
Campernelle Jonquils

$4.00 per 1000, $15.00 per case of 4000.

WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

Please mention the Exchange when writing.

Begonia Seeds

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties; trade packet $1.00.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK

Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

Stokes Seeds Philadelphia

Salvia Seed

For Seedsmen

I have a small surplus of my own growing at *"Floracroft Gardens"* as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
SALVIA Clara Bedman or Bonfire	1.60	16.00

ALL 1910 CROP

STOKES' SEED STORE
219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

THE W. E. BARRETT CO.

PROVIDENCE, R. I.

One of New England's Oldest Seed Houses

GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, etc.—October 31.—R. Hilliers Co., 49 bags seeds; C. B. Richard & Co., 6 cases plants; Hussa & Co., 1 case plants; J. S. Phipp, 1 case plants. November 1.—Peek & Velsor, 7 bbls. roots; Lymnas, Ltd., 7 bbls. roots; Schieffelin & Co., 30 bags seeds; H. Nungesser & Co., 200 bags Grass seed; F. B. Vandegrift & Co., 154 bags Grass seed; A. Murphy & Co., 8 cases plants; G. W. Sheldon, 14 cases plants; J. W. Hampton Jr. & Co., 18 cases plants; W. Elliott & Sons, 4 cases plants; C. A. Haynes & Co., 1 case plants; C. B. Richard & Co., 19 cases plants; McHutchison & Co., 3 cases plants; H. F. Darrow, 9 cases plants; Lunham & Moore, 6 cases plants, 28 tubs Laurel trees; F. B. Vandegrift, 8 cases plants. November 3.—H. M. Baker, 10 bags Clover seed; L. J. Spence, 300 bags Sugar Beet seed; Redden & Martin, 20 bags seeds; 1 case seeds; R. Metzger & Co., 17 bbls. roots.

European Notes

Our water courses are filling up at last and the belated work of transplanting can now be proceeded with. From present appearances, Brassicas will not be too abundant again next season. As every ounce will be disposed of this year there will not be any reserve stock to fall back on, so that high prices will be easily maintained.

The demand for this article is quite brisk from all parts of the globe, and the varieties which have been developed in America are highly esteemed wherever they have been tested, which is not at all surprising, for either your climate or the genius of your cultivators, or both combined, have been the means of developing all the good qualities and eliminating all that was undesirable. One result is that the seed producing power is considerably lessened and to this the frequent failures are almost entirely due. The foregoing remarks apply to Cabbage, but it is equally true of other things.

EUROPEAN SEEDS.

American Notes

Colder Weather Helps Bulb Sales

Trade conditions during the last week, the writer is very glad to be able to say, have improved materially. The good rains which we have had over a large portion of the country have done much to put the soil again in satisfactory condition for planting, and this, together with the colder weather, has added quite a little to all branches of seasonable business with the seedsmen.

If your business demands a good article in Lily bulbs, you cannot do better than to buy Horseshoe Brand bulbs. If you just want cheap bulbs, don't write us, because we really don't want your order; but if you want a good article and are willing to pay for it, we want your business.

Our November prices are as follows:

FORMOSAS

6x8 inch, $20.00 per case of 400 bulbs.
7x9 inch, $21.00 per case of 280 bulbs.
8x10 inch, $21.60 per case of 240 bulbs.
9x10 inch, $21.00 per case of 200 bulbs.

MULTIFLORUM

7x9 inch, $16.50 per case of 300 bulbs.
8x10 inch, $16.25 per case of 250 bulbs.
9x10 inch, $17.00 per case of 200 bulbs.

GIGANTEUM

6x8 inch, $20.00 per case of 400 bulbs.
7x8 inch, $22.75 per case of 350 bulbs.
7x9 inch, $22.50 per case of 300 bulbs.
8x10 inch, $25.00 per case of 250 bulbs.
9x10 inch, $22.00 per case of 200 bulbs.
9x11 inch, $21.60 per case of 180 bulbs.

F. o. b. New York, Cincinnati or Chicago. For cash with order during November we will allow 5% discount. Order now for delivery from Cold Storage during 1911. Catalog free.

RALPH M. WARD & COMPANY

"Not How Cheap—But How Good"

12 WEST BROADWAY, NEW YORK

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Gmbrlatum Carmineo-Marginatum	8.00	1.00
Glory of Wandsbeck, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

Please mention the Exchange when writing.

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red - - -
Pure Pink - - -
Pure White - - -
White, with Dark Eye
60 cents per 100
$5.00 per 1000

Salmoneum - - - 75c. per 100 $7.00 per 1000
Ruhm von Wandsbeck, (PRIDE OF WANDSBECK)
The best growing salmon sort, $1.00 per 100; $9.00 per 1000.
Fimbriatum carmineo marginatum, white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.
Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Mont Blanc** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	5.00
Rosenm, Rose V. Marlenthal	.60	6.00
Salmoneum	.50	6.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.
LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.
PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 600 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.
Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

BULBS

SELLING RAPIDLY

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next Spring, place your order of bulbs with us this Fall.

DO IT NOW

They will be sold out a little later.

JAMES VICK'S SONS
ROCHESTER, NEW YORK

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2 62	Red Bird Millet	2.25
German Bird Rape	3 50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 200 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 92 Years

Please mention the Exchange when writing.

Of course, now that we are well into November the beginning of the end of the bulb selling season will soon be in sight, but as yet bulbs, especially at retail, are selling very well. As has been mentioned in this column, as the weeks of the French and Dutch bulb season have advanced there have not been, on the whole, and are not now, apparently, any excessive surpluses of stock in any direction, and it seems to be good general opinion that the end of the season will find bulb stocks practically disposed of.

Seasonable sundries with the seedsmen are in excellent demand, and it is worthy of note that a great many orders have been and are daily being booked for seeds for Spring 1911 delivery. This is, as has been expected right along, on account of the many seed shortages. Seed planters, and especially those who wish large quantities of special stocks, seem to realize the necessity of supplying their needs while their particular seedsman has a stock to deliver for 1911. The latecomers for seeds are not going to fare very well.

The 1911 Seed Catalogs

The seed catalogs for the season of 1911 with the larger seedsmen are already well under way, and surely a word to every dealer who handles seeds in quantities large enough to warrant him in printing a list is now in order, urging him to prepare the same in good season, and it is none too early to put the matter in shape. It will, of course, be necessary to make sure of one's supply of seeds in order to know just what varieties to list for 1911. Whatever it is decided to publish in the way of a seed catalog or list of seeds should be prepared and printed in the best manner, and seedsmen should insist upon having their printers do the work correctly, as regards both botanical and common names of the flower and vegetable seeds. Much better results along this line may be secured by having the printing done by experienced horticultural printers who make a specialty of this line of seed catalog work.

California Privet

The writer feels that, having for so many years past strongly urged seedsmen who issue catalogs to include in the same a list of the more popular varieties of Nursery Stock, a few words of encouragement to those dealers who are perhaps starting such a department of their business are not amiss. A well-known seed house in the East, which only last season offered nursery stock to their customers for the first time, decided last Spring to list for their trade a number of trees and shrubs which are mostly in demand. This seed firm, however, gave a little special space to California Privet and are very much pleased with the success they have in one season accomplished in their sales of nursery stock. Pushing, as they did, California Privet as a specialty, carried along sales of everything they offered in nursery stock, and, really, for a first time, it is surprising to learn how large and satisfactory in this direction the sales of Privet were. This case is cited in a very few words to bring earnestly and emphatically before all dealers who handle seeds, even in very small volume, the desirability of another season making arrangements to handle general nursery stock as well.

V.

New York Seed Trade

Since the good rains which we have had, the bulb trade, especially over the counter retail, has increased quite a little, and although even as yet no real bulb sale rushes have materialized this Autumn, still the continual steady and satisfactory sales of bulbs have reduced stocks as a whole to a lower level than is usual at this season, every dealer feeling that in the remaining two or three weeks of good bulb selling very little will be left at the end.

The Election Day holiday of Tuesday, of course, broke up the week pretty well, as such occasions always do. It was an all day holiday with all the seed trade, no one opening at all.

Peter Henderson & Co. would seem to have devoted somewhat unusual care and attention to their window displays this Fall. Last week Chrysanthemums were

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES

E. S. MILLER, Wading River, N.Y.

Please mention the Exchange when writing.

Thorburn's Bulbs

For Florists for forcing at low prices, in cases only.

PAPER WHITE GRANDIFLORUS NARCISSUS, 13 cent. and up, $7.50 per case of 1000 bulbs. A few cases left.
LILIUM FORMOSUM. 6/8, 350 in case at $3.00 per 100.
LILIUM FORMOSUM. 7/9, 250 in case at $6.50 per 100.
Also, LILIUM HARRISII, all sizes, send for prices per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark

American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

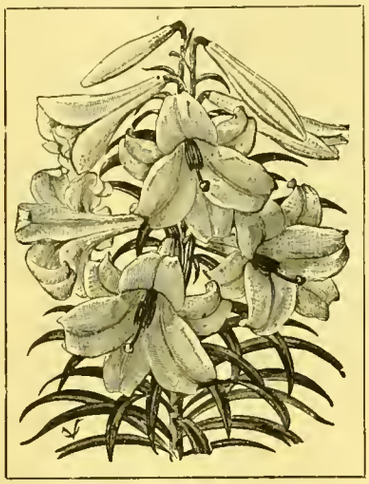
Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

F. E. — Alert and Up-to-Date

Narcissus Paper White



Grandiflora

FANCY GRADE
1250 to case.....$8.50 per 1000

REGULAR GRADE
1650 to case.....$7.50 per 1000

Roman Hyacinths

11-12 ctm.....$19.00 per 1000
12-15 ctm..... 24.00 per 1000

Lilium Formosum

	Per 1000
7- 9 in. (300 to case)	$65.00
9-10 in. (200 to case)	90.00
10-11 in. (150 to case)	100.00

DUTCH BULBS
NOW ON HAND

Lilium Harrisii

6-7 in.....$50.00 per 1000
7-9 in..... 75.00 per 1000

Chinese Lilies,

	Per 1000
Mammoth Size	$55.00
Selected, 1st Size	30.00

Write for copy of Fall Florist List.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

the feature in one window and a most attractive arrangement of vegetables in the other. It is the best of advertising, attracting continually crowds of interested seed buyers.

At Boddington's bulbs are selling in goodly volume; particularly have Darwin Tulips been in larger demand than ever, and this condition also applies to named varieties of Hyacinths and Tulips. This house is making most active and extensive preparations for the coming season of 1911, having already their various catalogs well under way.

H. H. Berger & Co. are making special offers of bulb surpluses at most attractive prices to close the season. The firm has published a special list of these various offerings which, upon request, it will mail to anyone in the trade.

Weeber & Don report retail bulb sales as most satisfactory in the past few days, since the cold weather set in, and add that they have no surpluses of any moment and feel the end of the season will find them with stocks entirely disposed of.

Wm. Elliott & Sons report that their salesmen are sending in orders earlier than in previous seasons from their regular wholesale trade. This is due, they believe, to the great scarcity in seeds, which urges buyers to an early decision as regards their needs in the seed line for 1911.

Vaughan's Seed Store is well satisfied with the sales of nursery stock it has been making this Fall. During the past week a special display along this line has been made, embracing the many hardy shrubs, ornamental and fruit trees carried in stock ready for immediate delivery.

Ralph M. Ward & Co. have been doing active business in their "Horseshoe Brand" Formosum, giganteum and multiflorum Lilies and, as a special inducement to their trade, are offering a discount for cash accompanying orders during the month of November.

"Buds" Seed Store is much pleased with its large sales of Cyclamen seed, of which it makes a specialty. Bulb sales with this house, especially at retail, during the last week have been very satisfactory.

The strike of practically all the larger express companies has interfered most seriously with business the last two or three weeks. Our seedsmen have all been very much inconvenienced. Many shipments of bulbs to nearby as well as to distant points have been held back for days, which, of course, has resulted in much dissatisfaction with customers. It has been hoped, from day to day, that this serious strike would be settled, but as yet little or nothing seems to have been accomplished in this direction.

Kennedy & Hunter report an excellent retail trade, being more than pleased with the way the Dutch bulbs and seasonable seeds have been disposed of with them. Their location on 34th st., between the new Pennsylvania R. R. station and Herald sq., is proving to be a most wisely selected one.

Clarence W. Moore of the Moore Seed Co., was a recent caller in New York, as he was on his way to visit seed growers in Mattituck, Bridgehampton and Hempstead, L. I.

Philadelphia Seed Trade

The preparation of 1911 catalogs and bulbs, incubator, brooder and poultry supplies, and nursery stock sales now occupy the attention of the seedsmen.

Henry A. Dreer, at 714 Chestnut st., has an attractive window display consisting of Tulip bulbs, Hyacinths, and Hyacinth glasses, Chinese Sacred Lilies and pretty Japanese bowls in which to grow them. J. Otto Thilow, secretary, reports a busy week at the store, with bulbs and at the nursery with shrubs and small fruits. Mr. Thilow himself, though always so busy, seems never to be so much so as to refuse to do anything in his power to give an uplift to floriculture and horticulture, in the broadest sense of these words. On December 1 or 2 he will give a civic lecture before the Maryland Horticultural Society, at Baltimore; on January 13 he will speak before the students in floriculture at the Mass. Agricultural College, at Amherst, Mass.; and on January 14 he will speak on "Gardening for the Amateur" before the Mass. Horticultural Society at Boston, Mass.

There is a very pretty display of 37

A Few Specialties in Bulbs

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Princeps, extra large double-nosed bulbs	9.50
Van Sion, Double, first-sized bulbs	9.00
Poeticus Ornatus, extra large double-nosed bulbs	7.50
Paper White Grandiflora, 13 ctm. and up	9.00
Orientalis (Chinese Sacred Lilies), casket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	**Keizerskroon**	$10.50
La Reine	8.00	**Mon Tresor**	11.50
Prince of Austria	12.00	**Rose Luisante**	14.50
Rose Grisdelin	8.50	**Vermilion Brilliant**	18.50
Thomas Moore	8.00		

	Per 1000
Single Finest Mixed, all colors, for bedding	7.50
Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz	10.00
Salvator Rosa	14.00
Gesneriana Spathulata, the true Gesneriana, the finest of all late Tulips	9.50
Double Finest Mixed, all colors for bedding	8.50

HYACINTHS

Our stock of these will be found exceptionally fine.

	Per 1000
Fine Named, our selection, best sorts. (For list of varieties, see wholesale list) Per 100 $4.00	$35.00
Separate Colors, Single, pink, white and blue	20.00
Miniature, Chas. Dickens and Moreno	20.00
White Roman, selected bulbs, 13-15 ctm	25.00

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips.....$8.00 Case containing 1000 pips.....$15.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum multiflorum, case 300 bulbs, $13.50.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
CROCUS, finest named varieties, $5.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Gladstone,** $9.50 per case; **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. Pierson Co.

TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT
CHRISTMAS STOCK
SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE, P. O. Box 1697, NEW YORK CITY



DAHLIAS

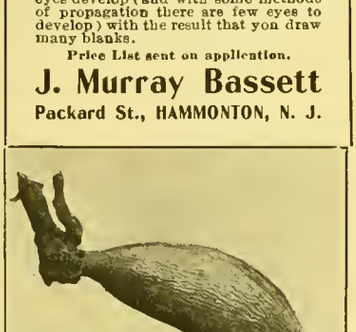
Whole Field Clumps Versus Divided Roots

The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock, cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

Price List sent on application.

J. Murray Bassett
Packard St., HAMMONTON, N. J.



Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY

Lilium Multiflorum

7/9 .....$50.00 per 1000.
8/10..... 75.00 "
9/10..... 85.00 "

Lilium Giganteum

7/9 .....$62.50 per 1000.
8/10..... 90.00 "
9/10.....100.00 "

Case lots of both sold at 1000 rates.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Dahlias and Cannas

I am overstocked on many standard varieties of **Dahlias** and **Cannas.** Florists and dealers, please send for List of Sorts. My prices are right.

DeWITT HOUSE, Florence, S. C.

Please mention the Exchange when writing.

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CHRISTMAS STOCK
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Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100
ASPARAGUS Sprengeri, 2¼-in. pots $3.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	1.50
Obconica Gigantea	2.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

EIGHT THOUSAND
Violet Plants

Healthy, Field-Grown Plants

LA FRANCE, $5.00 per 100, $45.00 per 1000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

varieties of hardy Chrysanthemum blooms this week in the window of Henry F. Michell Co., at its new store at 518 Market st. Specially noteworthy among these blooms are those of Lady Naylor, Cumberland, Queen of the Whites, Palmyra, Germania, St. Almo, Hijos and Ashbury. Among the recent callers at the store of this company were T. J. Grey, the seedsman of Boston, Mass., and William Nicholson of Framingham, Mass.

A recent caller at the store of the Moore Seed Co. was C. F. Wood, of Wood, Stubbs & Co., Louisville, Ky. This company is now introducing the Banta incubators and brooders, of which they will take on a full line. These machines are said to be meeting with much favor.

James Comont, representing James Carter Dunnett & Beale, Loudon, England, was a recent caller in town. While here, he went out to Sharon Hills to see Robert Scott & Son's new Roses, Melody and Double Killarney. He sailed for England on Tuesday, November 8.

The Johnson Seed Co. has just received a carload each of the famous Cypher incubators and brooders. It is also introducing a new incubator and brooder called the "Cycle," and is carrying a stock of the Boston feed hoppers. A large consignment of Peony roots was recently received. Mr. Sherry of this company reports that the present price to market gardeners is $12 per lb. for French Golden Self-Bleaching Celery seeds, and $12 per bush. for Gradus and Thomas Laxton Peas, and that only limited orders are accepted. Parsley seeds, of the curled varieties, have reached a very high figure.

Walter P. Stokes reports that Berlin pips of Lily of the Valley are arriving. Though Mr. Stokes is growing at his Moorestown, N. J., greenhouses Lily of the Valley in large quantities, he finds that this season the Philadelphia market absorbs the entire output.

A "distinct" innovation in the seed trade circle of Philadelphia will be made when on Monday, November 21, at 10.30 a.m. a course of free lectures, open to the public, will be inaugurated at the palatial new store of Henry F. Michell Co., 518 Market st. The first lecture of the course will be given by Maurice Fuld, who has charge of the advertising and catalog department of this company. Mr. Fuld will speak on "Bulbs As House Plants."

MECHANICSBURG, O.—The Wing & Bros. Seed Co. hopes to have the large addition to its wareroom ready for occupancy in a week or so. This house is to handle garden seeds the coming season, and is preparing to send out about 30,000 catalogs.

PROVIDENCE, R. I.—Bulbs have been moving very well the past few days; there seems to be a shortage of Narcissus Emperor, Golden Spur, Von Sion and Poeticus. Harrisiis are all cleaned up. A few Formosums and Giganteums are still to be had, also White Romans, Paperwhite Narcissi, Dutch Hyacinths and Tulips are still plentiful with good demand.—H. C. N.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, extra fine, large plants, commencing to bloom, at $3.00 per 1000; 5000 lots at $2.50 per 1000. Smaller size, but strong and stocky, $2.50 per 1000; 5000 lots at $2.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn
Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Giant Pansies. The finest strains and finest plants the market affords, as follows: **Our Own Specials, Our Cut Flower Collection, Masterpiece, Bugnot, Mme. Perret, Giant Prize, Trimardeau, Fire King, Orchid-Flowered, Peacock, Snow Queen, Emperor William** and **Fairy Queen,** strong, field-grown plants, your own selection, 3.00 per 1000 or $5.00 per 2000. Our selection of all above kinds, Mixed, at $2.50 per 1000, $4.50 per 2000, $10.00 per 5000. **ELMER RAWLINGS,** Wholesale Grower, OLEAN, N. Y.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and **FORGET-ME-NOT,** the same as Pansies.
PARSLEY, CELERY and **CABBAGE PLANTS,** $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

CALIFORNIA VIOLETS CHEAP

Strong, healthy, field-grown clumps (none better), to close out, $3.00 per 100, $25.00 per 1000. Well packed to carry safely. Satisfaction guaranteed.

CHARLES BLACK, FLORIST AND NURSERYMAN
HIGHTSTOWN, N. J.

Please mention the Exchange when writing.

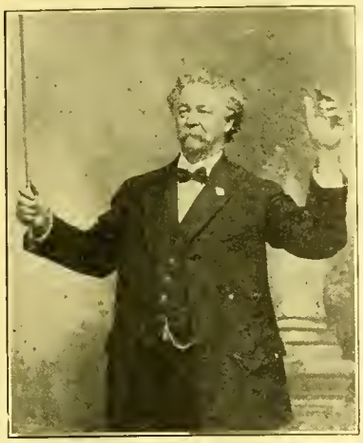
Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

HOME AGAIN

Godfrey Aschmann, chief of the old reliable firm, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, has returned from his trip to Europe. He sits at his desk, is as jolly and lively as ever, looking after the welfare of his countless customers.



Leader in Ferns

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer. 5, 5½, 6, 7 in. pots at 35c., 40c., 50c., 75c. to $1.00 each. 1 doz. or over, same rates.

Leader in Azalea Indica

Leader in our specialty, the **Araucaria Excelsa Robusta Compacta** and **Glauca.** 8000 of all sizes, last Spring's importations, are now ready for shipment, and more coming along. **See Us Grow!** Remember, this is our twenty-fifth anniversary importing and shipping Araucarias. Ready for business; can handle the largest order at short notice.

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

We Lead You Into Wealth

GODFREY ASCHMANN'S SONG "WELCOME HOME"

Tune: When Johnnie Comes Marching Home Again.
(Composed by his Many Friends)

When Aschmann comes sailing home again,
Hurrah! Hurrah!
A warm-hearted welcome he'll obtain,
Hurrah! Hurrah!
The florists will gather from far and near
To greet his return with hearty good cheer,
For we'll all be glad when Aschmann comes
sailing home.

He has sent us pictures of other lands,
Hurrah! Hurrah!
He never neglects the jolly home band,
Hurrah! Hurrah!
We will go to see the plants he has bought
To serve us well the best he has sought,
Won't we be pleased when Aschmann comes
sailing home?

A glorious sight we shall see this Fall,
Hurrah! Hurrah!
The best of Europe for each and all,
Hurrah! Hurrah!
For size and health, for color and price,
We shall hold our breath, they'll look so
nice,
We'll hustle and buy when Aschmann comes
sailing home.

We hope his journey will pay him well,
Hurrah! Hurrah!
He has bought for us that we may sell,
Hurrah! Hurrah!
So we'll sing a song with a rich refrain,
A cheer from all when Aschmann comes
sailing home.

I have it in for you.

What have you in for me? What did I do to you?

Oh, sre you the only one that don't know? Didn't you read all about Godfrey Aschmann's trip to Europe? I have in for you a large cargo of **AZALEA INDICA** (fresh baked) from the other side. I tell you they are Cracker Jacks. That is what you are looking for, isn't it? I have been going to Belgium purposely to make up a good selection of Azaleas for you and other customers you will be proud of.

AZALEA INDICA

Owing to the wet and cold weather in Europe this Summer and the large demand this Fall for Azalea Indica for Europe and for exportation, Azaleas this Fall are very scarce, and therefore, prices have been greatly advanced. But in spite of that, I want all to know that I have just arrived with a large importation of Azaleas in all sizes and of all prices, the best well-known American varieties. My grower over there, with whom I have dealt for the last fifteen years, has put his 200-acre Azalea field at my disposal, from which I made my selection—the cream of his output.

When a cigarmaker smokes a cigar, what does he smoke—the worst? Oh, no; with the fine fumes of his production he will smoke the best. By the fruit you can judge a tree, so by the fumes of a cigar, you can judge the maker.

Now is the time to force **AZALEA INDICA** for Christmas. What varieties you select to force for that purpose you can depend on to get in for Christmas.

Take my advice; take the well-known, early Christmas varieties: **DEUTSCHE PERLE** (double white); we have them at 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER,** well known to all, double pink, very scarce this year, 50c., 60c., 75c., $1.00, $1.25, $1.50, $1.75 to $2.00. **VERVAENEANA,** one of the oldest standard varieties, one of the best double variegated rose varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **APOLLO,** single bright red, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **MME. PETRICH,** double pink, one of the earliest of all; this variety is one of the scarcest this Fall in Europe (could get only 500 plants), 75c., $1.00, $1.25, $1.50 to $2.00 each.

EASTER VARIETIES

NIOBE (double white), 65c. and 75c. **SHREVERIANA,** double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00 **MME. VAN DER CRUYSSEN,** best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA,** and **EMPRESS OF INDIA,** double variegated, well known varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER,** 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS,** only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA,** white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN,** $1.00, $1.25 to $1.50.

(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 13c. to 15c.

ARAUCARIA Excelsa Glauca, 6-7-in. pots, fine shape, $1.00, $1.25, $1.50 to $2.00.

ARAUCARIA Robusta Compacta, 6-7-in. pots (they are crackerjacks this Fall), $1.00, $1.25, $1.50 to $2.00 each.

ARAUCARIA Excelsa, top cuttings, no seedlings, 5, 6, 7 in. pots, 3, 4, 5, 6 tiers, 12, 15, 18, 20, 25, 30 in. high, 40c., 50c., 60c., 75c., $1.00, $1.25, $1.50.

KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 35c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 25, 30, 35, 40 in. high, 50c., 75c., $1.00, $1.25, $2.00, $2.50 each. Combination Plants, 6-7 in. pots, three plants in a pot, 25 to 30 in. high, $1.25; 30 to 35 in. high, $1.50.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzell, Scottii and **Bostoo,** extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each. Special to close out: **Whitmani** and **Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100; 3-in., $5.00 per 100.

ADIANTUM Hybridum, 2½-in. 5c.; 3-in., 8c.; 4-in., 10c.; 6-in. pans (3 plants) 25c. per pan

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.; 6-in., in bloom, 25c. to 35c.

FICUS Elastica, 5½ to 6 in. pots, 35c., 40c., 50c

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.

HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Christmas.

JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.; 3-in. $5.00 per 100.

DRACAENA Bruanti, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 35 in. high, 50c.

LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.

SHASTA DAISIES (pure white), 2½ in. pots, $3.00 per 100.

CHRISTMAS OR ORNAMENTAL PEPPERS, 5½-in. pots, 20c., 25c.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

SUCCESS
BRINGS
SUCCESS

ADVERTISING
IN
The Florists' Exchange
PAYS

Florists : :
Seedsmen :
Nurserymen
AND ALLIED
Industries :



FIELD-GROWN ROSES

Save 40% and Buy Now. An Exceptional Offer.

The Roses we offer herewith are **native field-grown, own-root stock, 2-year-old, extra choice, well branched;** to be delivered late this Fall when thoroughly ripened. These Roses are ideal for 6-in. pot plants at Spring sales. By securing them in the Fall you **save 40 per cent., or $10.00 per 100.**

1000 **Roses, General Jacq.,** deep crimson.
2000 **Roses, Gruss an Teplitz,** deep crimson.
500 **Roses, Hermosa,** light pink.
500 **Roses, Magna Charta,** deep rose.
300 **Roses, Ulrich Brunner,** deep crimson.
200 **Roses, Mrs. R. G. Sharman Crawford,** delicate pink.
200 **Roses, Clio,** flesh pink.
200 **Roses, John Hopper,** bright pink.

Prices for Fall delivery, $15.00 per 100. Prices for Spring, 1911, delivery, $25.00 per 100.

HENRY F. MICHELL CO.

NOW AT 518 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Coming Exhibitions

Albany, N. Y., Nov. 10-13, 1910.—Second Annual Flower Show of the Albany Florists' Club, under the auspices of Headquarters, Tenth Infantry, N. G., N. Y., at the State Armory. Robert Davidson, secretary, Albany, N. Y.

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

Milwaukee, Wis., Nov. 7-14.—Flower Show Milwaukee Florists' Club in the Auditorium.

Minneapolis, Minn., Nov. 9 to 13, 1910.—First Flower Show to be given by the Minnesota State Florists' Association at the Armory, Kenwood Parkway. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis, Minn.

New York, Nov. 9-13, 1910.—Horticultural Society of New York Fall exhibition at Am. Museum of Natural History, Central Park West and 77th st. Geo. V. Nash, secretary, N. Y. Botanical Garden, Bronx Park, N. Y. City.

Providence, R. I.

There was no decided change in the flower market the past week. Roses seem to be somewhat scarce, but demand for them will not be very brisk until Chrysanthemum season is over. Carnations are coming in better, but it's the same story with them. Chrysanthemums have the floor and will do the talking while they last; they demand good prices for good grades, inferior stock going at any price obtainable. Violets are still scarce, with quality not up to standard.

The annual Chrysanthemum Show is being held this week.

M. J. Leach & Sons of Pawtucket, report business fair; they had a large wedding decoration last Friday. They are cutting Chrysanthemums, Carnations and Violets; while the last are scarce the quality is A1. Their window display is fine.

Wm. Hoffman of Pawtucket is cutting Chrysanthemums and Carnations, also potting some very nice Azaleas and Palms, which arrived recently. Most noticeable was a lot of Cyclamens; some of these are in 10-in. pans and will be grown on for Christmas trade. His new house is now completed, but he is still working on the office which, when finished, will be one of the finest for its size in Pawtucket. The floor will be laid with tile; the basement has a cement floor and will be excellent storage for cut flowers. The upper floor will give ample room for light storage. Wm. Coehn has charge of this store.

Shepard Co. Floral Department, under management of Fred Covill, reports fine business recently in design and funeral work. They have an excellent display of Ferns, Palms, Ficus, Jerusalem Cherry, etc.

W. S. Sword of Valley Falls reports business fair; he is kept busy planting trees and shrubs; one order for upward of $200 he is now planting for E. B. Phillips of Valley Falls. Mr. Sword was running for representative in his district; we wish him success.

Among recent visitors to Providence were: George Watson of Philadelphia, taking import orders for Grass seeds; Mr. Green, representing H. Bayersdorfer & Co. of Philadelphia; Mr. Smith, representing Thos. W. Emerson Co. of Boston, Mass.; H. S. Bushnell, representing Crosman Bros. of Rochester, N. Y.; Wm. Crompton and wife of East Greenwich, R. I.; J. H. Cushing of Quidnick, R. I.; D. E. Newell of Attleboro, Mass., who reports business fair.

Timothy O'Connor reports business very good; last week he furnished decorations for three dinner parties and one wedding, with two booked for this week.

F. Macrea & Sons are cutting some fine 'Mums, white and yellow Eatons, and several other sorts, which are wholesaling from $6 to $16 per 100; giganteum Lilies at $8 per 100, and Carnations at $1.50 per 100.

J. Kopelman, our wholesale florist, is making a fine display of Chrysanthemums and reports business as being very good the past week.

Lawrence Hay of E. Providence is bringing in some very fine hardy Chrysanthemums.

Market Report

Roses: My Maryland, Bride, Richmond, Killarney, firsts, $8 to $10; seconds, $5 to $8; thirds, $1 to $3 per 100. Chrysanthemums, from $3 to $15 per 100; hardy, 25c. per bunch. Violets, 25c. to 50c. per 100. Lily of the Valley, $3 to $4. Giganteum Lilies, $8; Mignonette, $1 to $2 per 100, Orchids, $4 to $5 per doz. Asparagus, 15c. to 50c. per bunch. Dagger Ferns, $1.25 per 1000. Fancy Ferns, $1.50.

H. C. N.

Baltimore

Isaac H. Moss, Govanstown, Md., is installing additional electric lights in his greenhouses. The condition of his stock is in every way encouraging; he is noted for growing first class stock, and keeps a large force of workmen busy all the year. Mr. Moss is not only a florist, he is also a nurserymao; his nurseries are located at Belonia and Gettings aves., about one mile from his greenhouses.

Cutworms have been a menace to some of the growers recently, damaging many large 'Mums. One grower reports that he has to stay up nearly all night to catch snails on his 'Mums.

M. Thau, Govanstown, has some fine 'Mums of the following varieties, including extra large Pacific Supreme, Appleton, Golden King, Nonin, Mrs. G. L. Lutz and Desjnis. He also has several promising Carnation seedlings. Mr. Thau grows heavily Carnations and Asparagus. He has also a fine lot of Russian Violets. His houses are in perfect condition and producing heavy cuts.

George Cook of Arlington is disposing of many of his 'Mums in Lexington Market. He is handling some pretty nice stock and has no trouble in disposing of them.

Hugo Grahl, Violetville, has been conducting business for the last three years and has been successful. He finds ready sale for his stock. Mr. Grahl is a very energetic young man, a first class grower and well known among the trade. He has been under a heavy expense, but by hard work has succeeded in well establishing himself. His range consists of two houses; one house contains twenty varieties of leading 'Mums, all in perfect condition, and following each other in cutting, and some Carnations and Sweet Peas. The other house contains Stevia and Carnations. He is also growing Easter bulbous stock.

Charles Hochstedt, Hamilton, recently finished two new houses, each 20 by 80 ft., and 'Mums are planted in them. He reports business in good condition, and finds ready sale for his 'Mums.

The Market

In and about Baltimore, this week has been a busy one. The aviation fields at Halethorpe, Md., have attracted many thousands of people to see the flying machines. Many of the trade were there, and the city has almost gone wild over the feats. On Monday a remarkable flight was made over the city and business for a while almost came to a standstill. Election Day has hampered business somewhat, and much kicking was heard among the retailers. However, some good business has been done. Funeral work still holds out well and some few weddings and entertainments help somewhat, calling for many flowers and decorations. All stock was practically killed last Thursday, when a blizzard made its appearance and played havoc with shrubbery, trees and electric wires; telephone communication was cut for a few days and handicapped the growers much. Chrysanthemums are still in good supply and move nicely; and owing to outdoor stock being killed prices are firmer. Choice 'Mums can be had in large quantities at fair prices. Roses are still plentiful and sell cheaply, but move well. American Beauty is scarce here, although there is no great demand for this variety. Carnations are coming in heavily and much improved, larger blooms, good color and long stems. Sweet Peas and Violets are arriving well. Ferns are still plentiful and greens are in good supply.

J. L. T.

Saratoga Springs, N. Y.

Henry Schrade, 110 Nelson ave., has his eight greenhouses well filled and can show some very fine Carnations, Roses, Chrysanthemums and other plants. He has a fine lot of cuttings of his new Carnation, Canary Bird. He also claims his store, which he opened here a year ago at 322 Broadway, is a success; he has plenty of business and is able to supply the wants of his store from his greenhouses.

L. H. S.

THE AMERICAN CARNATION PRICE $3.50
A. T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N. Y.

Lily of the Valley—Cold Storage

$15.00 per 1000, $1.75 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.

VOLUME 1 NUMBER 15

BODDINGTON'S STORE NEWS

SATURDAY, NOVEMBER 12th, 1910

PUBLISHED EVERY NOW AND AGAIN

Quality Bulbs at Surplus Prices

Remember, You May Deduct 10% if Cash Accompanies Order, for this Stock Only

To give Our Friends and Customers the opportunity to secure our "Quality Bulbs" at Surplus Prices, we make the above liberal discount to close until stock is exhausted. Watch changes weekly.

HYACINTHS

	Doz.	100
Top Roots, in variety	$1.00	$7.00
First Size, in variety	.75	6.00
Second Size, in variety	.50	4.00
Third Size, in variety	.40	3.00

ROMAN HYACINTHS (White)

	Per 1000
4000 12 to 15 ctms.	$20.00
1000 14 ctms. up	30.00

TULIPS (Single)

	Per 100	Per 1000
4500 **Artus**	$0.80	$7.50
700 **Bizard Verdict**	.75	6.00
6250 **Cardinal's Hat**	.80	7.50
6500 **Chrysolora**	.75	6.50
400 **Couleur Ponceau**	.80	7.50
1300 **Cottage Maid**	1.00	8.50
5000 **Crimson King**	1.00	9.00
900 **Gold Finch**	1.00	9.00
500 **Golden Queen**	1.75	15.00
300 **Herman Schlegel**	2.50	
700 **Joost van Vondel,** white	2.00	17.50
1750 **La Reine**	1.00	8.00
500 **Le Matelas**	2.25	20.00
2200 **L'Immaculee**	.75	6.50
300 **Maes**	2.25	20.00
250 **Ophir d'Or**	1.25	10.00
850 **Pink Beauty**	3.25	30.00
700 **Pottebakker,** scarlet	1.50	14.00
400 **Pottebakker,** yellow	1.50	14.00
550 **Prince of Austria**	1.25	12.00
1150 **Rose Grisdelin**	1.00	8.00
3100 **Rosamundi** (Huikman)	.80	7.50
6250 **Vermilion Brilliant**	2.00	17.50
720 **White Hawk**	1.75	14.00
1500 **Washington**	1.00	7.50
2150 **Yellow Prince**	1.00	7.50

TULIPS (Single Mixed to Color)

	Per 100	Per 1000
2800 **Red** / 600 **White** / 700 **Yellow**	$0.80	$7.00
1300 **Pink** and **Rose**	.80	7.00
4500 **Superfine Mixed**	.80	7.00

TULIPS (Double)

300 **Alba maxima**	1.25	10.00
500 **Gloria Solis**	1.25	10.00
500 **Murillo**	1.25	10.00
750 **Rex Rubrorum**	1.50	14.00
700 **Tournesol,** red and yellow	1.75	15.00
1200 **Tournesol,** yellow	1.75	15.00
1000 **Fine Mixed**	.75	7.00

SINGLE LATE OR MAY FLOWERING TULIPS

	Per 100	Per 1000
3000 **Gesneriana macrospila**	$1.00	$7.50
700 **Inglescombe Scarlet**	1.75	15.00

DARWIN TULIPS, Etc.

	Per 100	Per 1000
700 **Ant. Roozen**	$2.50	
850 **Dream**	1.50	
300 **Europe**	1.50	
350 **Mrs. Krelage**	2.50	

NARCISSUS

4000 **Empress,** Mother Bulbs	1.75	$15.00
1000 **Golden Spur,** first size	1.25	12.00
600 **Golden Spur,** Mother Bulbs	2.25	20.00
600 **Golden Spur,** Extra Mother Bulbs.	2.50	22.00
3000 **Princeps**	1.00	7.50
2500 **Victoria,** first size	1.50	14.00
2150 **Victoria,** Extra Mother Bulbs	1.75	16.00
1100 **Mrs. Langtry**	.75	5.50
2500 **Poeticus**	.75	6.50
1500 **Chinese Sacred Narcissus**	3.25	30.00
600 **Alba plena**	.75	6.00
1000 **Orange Phœnix**	1.00	9.00
450 **Sulphur Phœnix**	1.25	12.00
2000 **Double Mixed**	.75	6.50
500 **Double Roman**	.75	6.50
900 **Grand Soleil d'Or**	.75	6.00
850 **Grand Monarque**	1.00	9.00
950 **Grand Primo**	1.00	9.00
900 **States General**		

LILIUMS

2000 **Candidum**	4.25	40.00

FREESIAS

1800 **Purity**	1.25	12.00

OXALIS

1000 **Buttercup**	.90	8.00
1000 **Bowiei**	.90	8.00
800 **Grand Duchess, White**	.90	8.00
800 **Grand Duchess, Pink**	.90	8.00
500 **Grand Duchess, Lavender**	.90	8.00
450 **Rosea**	.65	5.00
750 **Versicolor**	.65	5.00

ALLIUMS

800 **Luteum**	.50	4.00

ANEMONES

4000 **Coronaria,** Single Blue	.50	4.00
4500 **Coronaria,** Single White	.40	3.50
4500 **Coronaria,** Single Scarlet	.50	4.50
1000 **Coronaria,** Double Ceres	1.00	7.50
2000 **Coronaria,** Double Ceres Rosetti	.75	6.00
1500 **Coronaria,** Double Ceres, King of Scarlets	1.00	8.00
600 **St. Brigid**	1.25	10.00

CROCUS

	Per 100	Per 1000
7000 **Blue Mixed** / 6000 **Striped Mixed** / 9000 **White Mixed**	$0.35	$2.75
4500 **Albion** / 4000 **Baron von Brunow** / 5500 **Caroline Chisholm** / 5500 **Cloth of Gold** / 2500 **Purpurea grandiflora** / 5000 **King of the Whites** / 4000 **Madam Mina** / 3500 **Mt. Blanc** / 7000 **Sir Walter Scott**	.50	4.00
5000 **Mammoth Golden Yellow,** first size	.50	4.50
3000 **Mammoth Golden Yellow,** Top roots	.80	7.50
1500 **Mammoth Golden Yellow,** Mother Bulbs	1.00	9.00

MISCELLANEOUS BULBS

	Per 100	Per 1000
1000 **IXIAS,** magnificent named varieties	$1.25	$10.00
900 **IXIAS,** choice named varieties	.75	5.00
400 **IXIAS,** mixed varieties	.30	2.50
200 **SPARAXIS,** named varieties	.50	4.00
100 **SPARAXIS,** mixed	.30	2.50
3000 **CHIONODOXA Luciliæ**	.75	6.50
1000 **CHIONODOXA Sardensis**	.75	6.00
2500 **CHIONODOXA gigantea**	1.00	7.50
5000 **SNOWDROPS, Elwes' Giant**	1.00	7.50
10,000 **SNOWDROPS,** large single, first size	.50	3.50
400 **SNOWDROPS,** large double	1.00	9.00
1000 **MUSCARIA plumosa**	.50	4.50
350 **racemosum**	.75	6.50
1250 **SCILLA, Campanulata Excelsior**	1.00	7.50
1000 **Campanulata, Rose**	.75	6.50
800 **Campanulata, Blue**	.50	4.00
500 **Campanulata, White**	.60	5.00
2000 **Sibirica,** first size	.75	6.50
1500 **Sibirica,** top roots	1.00	7.50
2500 **LEUCOJUM vernum**	.75	6.50
500 **Æstivum**	.75	5.00
2500 **SPANISH IRIS,** in varieties	.50	3.50
20,000 Mixed	.40	3.00
5000 **GLADIOLUS, Peach Blossom**	1.00	7.50
2000 **The Bride**	.75	5.00
3000 **Ackermanii**	.75	6.00

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New England Trees and Plants

"New England Grown Means Quality"

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We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

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3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

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Fall Price List—200 Sorts

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The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

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NORWAY SPRUCE, 18 to 24 in., 5c. each.
NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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Rhododendron, select hardy varieties.

Catalogue free on demand.

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It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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We have an unusually large stock of fine plants in all sizes.

FOR WINDOW BOXES, 10 to 12 inches, 15, 20 and 25 cents each.
HEAVY STOCK, 35, 50, 60 and 75 cents each.
BALL SHAPE, $1.00, $1.25 and $1.50 each.
HEAVY BUSH FORM, $1.00, $1.25 and $1.50 each.
PYRAMIDS, $2.25, $3.00, $3.50, $4.00 and $5.00 each.
PYRAMIDS, SQUARE SHAPE, very handsome, in fancy tubs, $12.50 each.

It will be well to place your order for above at once. We can hold same for future delivery or ship at once.

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In Pines, Spruces, Hemlock, Retinisporos, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

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PRIVET BARGAINS

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants	Per 100 $4.00

Special prices on car lots.

BERBERIS THUNBERGII

BERBERIS THUNBERGII, 15 to 18 ins., 3 years, bushy, $5.00 per 100; 18 to 24 ins., 3 years, bushy, $7.00 per 100.

Field-grown Roses, Cannas, Grape Vines and Asparagus Roots.

List for the asking.

Cash with order. Packing free.

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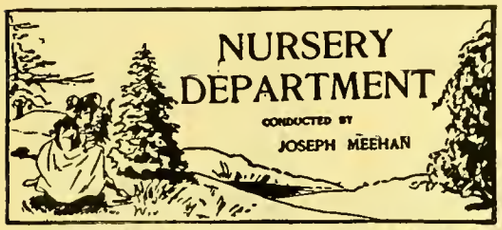


AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

TREE SUBSTITUTION.—The Rural New Yorker prints an important legal decision in a case of tree substitution, which establishes the principle that the measure of damage from substitution should include the value of orchard land, which is the labor and capital spent on the trees. P. E. Sanford, a fruit grower of Orange Co., N. Y., in 1902 bought 3500 Peach trees from Brown Bros. Co. They were supposed to be of definite standard varieties, and cost $297.50. These trees were carefully planted and cared for. In 1905 when the trees began to bear, it was found that only 63 of them were true to name. The labels did not fit the trees. Most of the substituted varieties were inferior, if not worthless, for that section and soil. Mr. Sanford brought suit for $13,685. This damage was figured on the increased value of the land, or what it would have been worth if the trees had been true to name. At the first trial Mr. Sanford proved the substitution and started to prove his claim for damages. The lawyers for the nurserymen then claimed exemption because the contract contained the following clause: "Any stock which does not prove to be true to name as labeled is to be replaced free or purchase price refunded." The trial judge upheld this claim and directed the jury to bring in a verdict for $236.36, or the original price for the substitnted trees. Mr. Sanford appealed, and the higher court sustained him and ordered a new trial. This court held that in such a one-sided contract prepared entirely by the seller every uncertainty in it should be resolved in favor of the buyer. The higher court also held that the increase of value of the land, if any, was a material point for the jury to decide. The case was tried the second time in Goshen, N. Y., on Oct. 18. Both sides introduced testimony to show the value of the land. The largest estimate made for Mr. Sanford was $16 000 and the lowest for Brown Bros. $250. The jury finally gave Mr. Sanford a verdict for $1500.

Gordonia pubescens

Since the death of John Saul, several years ago, and the disruption of his nursery on the Seventh st. pike, Washington, D. C., there is less of many beautiful and rare trees and plants in the trade than in his day. Whenever anything new or rare in the plant line presented itself John Saul was one of the first to have it. Where he first got his Gordonia pubescens the writer does not know, probably from Philadelphia, for it was there the first of them to be cultivated were to be seen, in the Bartram Botanic Garden. John Saul had his stock plant of it near some running water, if the writer's memory is not at fault, and it was from this old plant he obtained his stock for selling, by layers, chiefly. Anyway, he usually had plants for those who wanted them; and in those days everyone wanted a plant that knew of its beauty. Hardly a firm has it listed now, so far as catalogs have been scanned; it may be some of the smaller nurseries in the South have it and fail to make it known. It is a southern tree, though quite hardy in Philadelphia at least. Even in this city it is rarely met with, a specimen here and there only proving its presence.

The writer has a specimen he raised from a cutting in a greenhouse some 12 years ago. It is now a broad, handsome bush 12 ft. high, and nearly as many broad. The past season its first flowers opened on August 4, and its last one October 7. During its existence it has excited the admiration of all who saw it. On days when in the height of its flowering it had as many as two hundred flowers open in one day, and as a flower lasts but one day in an expanded state one may imagine the number of flowers it bore in the two months of its flowering. It has been said of this tree before that its flowers are similar to those of a large one of a single white Camellia, having in their centers a large bunch of yellow stamens.

The wonder seems to be that some of the prominent southern nurseries do not take hold of this lovely small tree, propagate it and push it. Its hardiness is so assured for States south of Pennsylvania that it would seem impossible to propagate more of it than could be sold. Think of a tree that will flower as it does for fully two months of Summer!

The illustration of its flowers appearing with this will give some idea of what a tree is like when full of them.

Oxydendron arboreum

Some weeks ago there came to us a box of foliage of Oxydendron (Andromeda) arboreum, bearing the tag of W. F. Bassett, Hammonton, N. J. No word came with it, and we presume it was sent to show the beauty of its Autumn foliage.

In its native home, the mountains of Virginia and North Carolina, this tree gets to be of a fair size, though not a large one. Although a tree it is one that assumes many of the traits of one while still of a shrub size, hence one often sees it in shrub form on lawns, flowering and bearing seeds when less than four feet high. The flowers are in somewhat pendulous clusters, white, and though perhaps somewhat far-fetched the species has for one of its common names, "Lily of the Valley Tree." It is prized for its flowers, but it is its foliage that has brought it most fame. In this respect it rivals many other trees famed for their beauty in Autumn. The normal color is of a deep green, and when the crimson of Autumn commences it is doubly effective by contrast with the green. Often the change of color goes on gradually, commencing quite early in Autumn and not overspreading all the green until late in the Fall. The boxful sent by Mr. Bassett was an example of this. Some of the branches had leaves just commencing to color, others with leaves half finished, as one might say, and a large number almost completed, and this was in the early days of October.

Coming from the mountain region of the States named, the Oxydendron is very hardy. It is far too uncommon, considering its worth as an ornamental tree. Our thanks are due Mr. Bassett for sending us the sprays of it as a reminder of its beauty.

Cupressus Alumi

It is known that many of the California evergreens will endure more cold than they meet with in a wild state, and this is true of the Lawson Cypress, Cupressus Lawsoniana, as those who follow the older names call it. This endures the rigors of zero weather in Pennsylvania, and with a light covering of straw on its side exposed to the sun it is not hurt at an even lower temperature. And in its wild state it must extend to regions much colder than others, for there are trees of them North that show less injury in severe Winters than others, standing the severest Winters of Pennsylvania without any sign of injury.

In Europe, where much care has been exercised in the selection of variations from the normal type of evergreens, some very good specimens of the Lawson Cypress have been secured. One of the most striking is the one the trade there sends here under the name of C. Alumi. It is one of several varieties of close, columnar growth, but differing from all the rest in possessing an intense glaucous blue color, equal, some consider, to the Colorado Blue Spruce. Its form and color make it greatly prized by planters, these blue tinted evergreens, together with golden and other colored, furnishing the groupings that beautify so many grounds.

This evergreen roots readily from cuttings of its young shoots made in early Winter and placed in a greenhouse. Not much heat is wanted for a few weeks after the cuttiugs are inserted in sand; later, a little should be given, and increased still later on; and shade from the sun is required all the time until the cuttings are rooted, not afterwards. After being rooted and potted, it is best to keep them in a frame or some similar place where they can be watched all Summer, watered and cared for as required. It is useless to set such little evergreens in the open ground. The soil dries out to below the roots in Summer and frosts penetrate the same in Winter. It is different in many European countries, the soil being damp all the time.



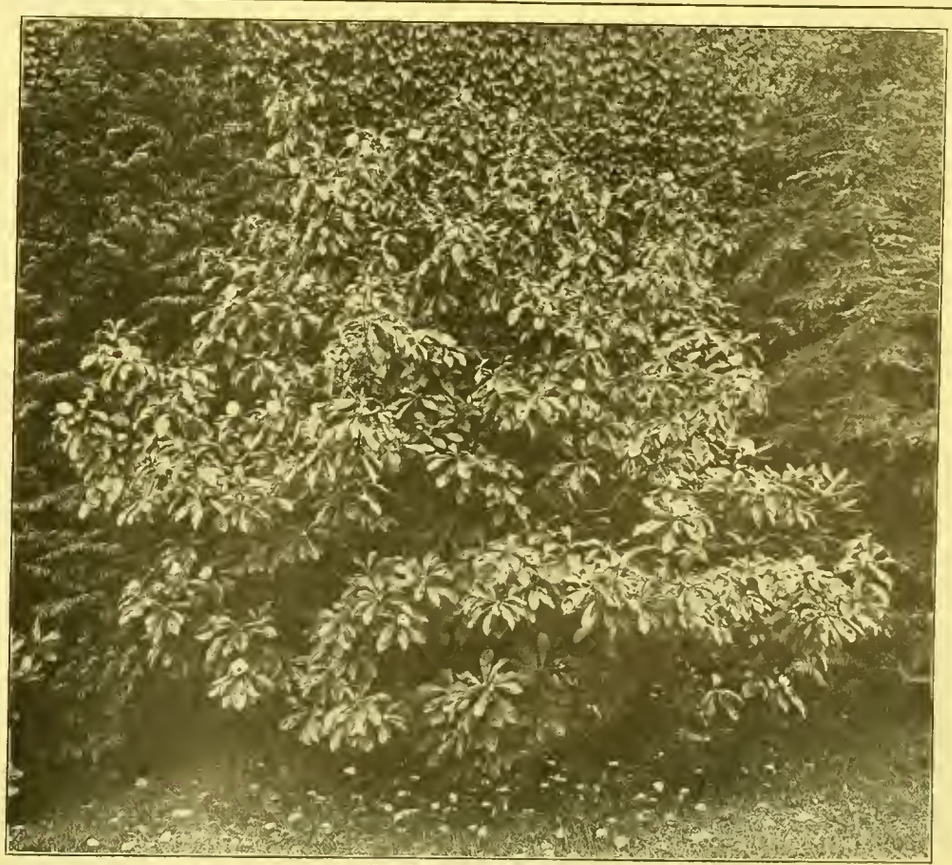
Spray of Gordonia Pubescens

Protecting Retinisporas and Box Bushes

Kindly tell me through your valuable paper if the different Retinisporas and Boxwoods would Winter well covered with burlap, or would it kill the part of the shrub where the burlap touched? I intended to tie the burlap to the shrubs. Last Winter I covered with Spruce boughs; but I would prefer to use burlap if you think it would not hurt the shrubs, for I have lots of burlap.—J. R., Long Island, N. Y.

—No evergreen likes to be wrapped up tightly in burlap, or anything else that excludes the air. It is the bright sunlight that injures them. What they like is to have the sunlight and the strong winds kept from them. Drive in three or four stakes around the evergreens, tying the burlap around them, but open at the top. This would screen the bushes without keeping air from them.

Your Winters must be very severe to make wrapping of Retinisporas necessary. It is never thought of in eastern Pennsylvania, but Box bushes are injnred a little at times.



Gordonia Pubescens

California Privet



I am offering an extra fine stock of two-year-old California Privet, which will be graded according to the high standard which I have always maintained.

QUALITY as well as PRICE should be considered.

It will pay you to send me your list before you place your order.

I am Growing California Privet To Sell, and I Sell It. There must be a reason.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Regel's and Ibota Privet

They make hedges that are distinct and different. Our plants are strong and heavy.

	100	1000
Regel's Privet, 2 to 3 feet	$9.00	$65.00
Regel's Privet, 3 to 4 feet	12.50	100.00
Ibota Privet, 2 to 3 feet	9.00	65.00
Ibota Privet, 3 to 4 feet	12.00	85.00

CALIFORNIA PRIVET too, that's heavier than is usually grown. Shrubbery and Shade Trees of many kinds in enormous quantity.

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10 00
18 to 24 in., 1 year, 3 to 6 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

100,000 California Privet

3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $3.00 per 100; 2 to 2½ ft., $2.50 per 100; 18 to 24 in., $2.00 per 100; all fine 2-year-old stock, well branched. 300 and up 20 per cent. off 100 rates. Packed free.

5000 FERNS, Boston, Scottii and Whitmani, 2½ in., $4.00 per 100; 4 in., $15.00 per 100. 10,000 VINCA major variegata, strong, field stuff, $4.50 per 100. 100,000 2-year-old ASPARAGUS ROOTS, PAEONIES and CANNA Roots. Cash please.

BENJ. CONNELL, Florist, Merchantville, N. J.

Please mention the Exchange when writing.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

ONE-HALF MILLION California Privet

1, 2 and 3 year stock as follows:

		1000	10,000	20,000
1	to 1½ ft. 3 branches up	$10.00	$85.00	$165.00
1½	to 2 ft. 4 branches up	15.00	125.00	210.00
2	to 3 ft. 6 branches up	20.00	175.00	325.00
3	to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4	to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect.

ORDER EARLY DON'T DELAY

CARLMAN RIBSAM

31 Wall St., TRENTON, N. J.

Please mention the Exchange when writing.

California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Surplus Stock For Sale

500,000 California Privet

Strong Plants

	1000
2 ft., 2 to 4 branches	$10.00
2 to 3 ft., 4 to 5 branches	20.00
3 to 4 ft., 6 to 8 branches	30.00

Taller Plants for Screens, etc.

4 to 5 ft., 4 to 6 branches	30.00
5 to 6 ft, 6 to 8 branches	50.00

Packing free. Discount on large lots.

Inspection invited.

WOOD, HARMON & CO.,

Nursery Department

Church Ave. and E. 58th St., BROOKLYN, N. Y.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Calverwell Nurseries, - Lowdham, Notts.

European Agents for

THE AMERICAN CARNATION

Please mention the Exchange when writing.

SPECIAL SALE OF California Privet

	Credit price pr 1000	Cash price pr 1000
6 to 12 inches, 1 year, 2 to 5 branches	$4.00	$3.00
12 to 18 inches, 1 year, 2 to 5 branches	7.00	6.00
18 to 24, 2 years, very bushy	15.00	13.00
2 to 3 feet, 3 yrs., very bushy	20.00	18.00
3 to 4 feet, 2 yrs., very bushy	25.00	23.00

CAROLINA AND LOMBARDY POPLARS

	Per 100	Per 100
7 to 8 feet, 2 years	$6.00	$5.00
8 to 10 feet, 2 years	7.00	6.00
10 to 12 feet, 2 years	9.00	8.00

Terms, Cash with order or satisfactory reference.

Purchasers of known responsibility desiring credit will be charged at credit prices. Those unknown to us who fail to furnish satisfactory references must positively send cash with order. All who send cash with order will be allowed our special cash prices. We make no charge for boxes or packing, when cash is sent with order.

The Lancaster County Nurseries

R. F. D. No. 7 LANCASTER, PA.

Please mention the Exchange when writing.

Special Prices

California Privet

	100	1000
3 to 4 ft., extra heavy	$4.00	$35.00
2 to 3 ft., extra heavy	3.00	25.00

Berberis Thunbergii

	100	1000
18 to 24 in.	$10.00	$80.00
12 to 18 in.	8.00	60.00

Carolina Poplar

	100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

Lombardy Poplar

	Low branched. 100
10 to 12 ft.	$20.00
8 to 10 ft.	15.00
7 to 8 ft.	8.00

The above stock is extra nice, well graded and packed. Prompt shipments.

C. R. BURR & CO.

The Burr Nurseries

Manchester, Conn.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Gorgeous Iris

FOR FALL PLANTING

	Per 1000
GERMAN	
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling.	25.00
PARKMANI. Uprights pure lemon; falls white veined purple	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00
JAPAN OR KAEMPFERI	
Double	
GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00
Single	
APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

20,000 PRIMROSES

Obconica, Giants; Chinese, Large-flowering, Fringed, and Kewensis, the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant, 3-in. $4.00 per 100.

CINERARIAS. Large-flowering, 3-in. $3.50 per 100; 2-in., $2.00 per 100.

DRACAENA Indivisa, field-grown, strong, for 4-in. pots, $4.00 per 100.

These are well grown plants and will please you. Cash please.

J. W. MILLER, Shiremanstown, Pa.

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PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Orders booked for Fall Delivery.

We are also large growers of other Small Seeds. **Send for Trade List.**

THEODOSIA B. SHEPHERD CO.
Ventura, California

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, well budded plants from 3-in. pots $7.00, from 4-in. pots $15.00, from 5-in. pots $25.00 per 100.

PRIMULA obconica grandiflora and **giganten, Ronsdorfer** and **Lattman's Hybrids,** all colors, well grown stock, from 4-in. pots $10.00 per 100, from 5-in. pots $2.50 per doz., $20.00 per 100, in bud and bloom.

CINERARIAS Hybrida Maxima Grandiflora, no better strain, from 3-in. pots, $4.00 per 100. Satisfaction guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

Worcester, Mass.

Business is good and there is plenty of potted and cut stock to meet the demands. Chrysanthemums, Violets, Carnations and Roses are pleasing the general trade. Violets bring a good price, but there are many demands for them, nevertheless. Marguerites are arriving, and Sweet Peas are coming along nicely.

Windows are showing 'Mums, Roses and Lilies with a background of Corn stalks, advertising the N. E. Corn Show, which is being held at Agricultural Park, Greendale, from Nov. 7 to 12. W. D. Ross has a bungalow built of Corn which is attracting much attention. The exposition is the topic of the day, and even the merchants have entered into the spirit of the show and have Corn and tall stalks in their windows.

At the annual meeting of the Worcester Co. Hort. Soc. Nov. 2, Leonard C. Midgley of the Worcester Conservatories was the unanimous choice for secretary, to succeed Adin A. Hixon, who has served for 20 years. Edward W. Breed of Clinton, widely known as a florist and landscape gardener, was chosen president. For the first time in 70 years a woman was elected to office in the Society—Miss Lucy M. Coulson, daughter of Mr. and Mrs. John A. Coulson, elected librarian of the Society. Miss Coulson has assisted Mr. Hixon in that capacity, as well as in the duties of secretary, and is well qualified for the position. Burt W. Greenwood was the choice for treasurer, and Myron W. Converse the new member of the finance committee. It was voted to have a committee draw up resolutions attesting to the long and faithful service of Mr. Hixon, whose failing health necessitated his declining the office.

Edward O. Orpet of Chicago, formerly of South Lancaster, was awarded a silver medal for a seedling Orchid, called the Laelia McWilliamiana, which was exhibited Feb. 9, 1909. George McWilliam received two silver medals for two varieties of seedling Orchids, named Calanthe Orpetiana, shown Jan. 27, and Calanthe McWilliamii, exhibited Jan. 14, 1909. The medals were the first given from the Blake fund, established by Frederick A. Blake through a legacy to the Society.

E. D.

New Bedford, Mass.

Trade in the past week was very good. Flowers are quite plentiful, and 'Mums all in their glory now. While 'Mums last Carnations have to take a back seat. 'Mums retail at $1.50 to $2.50 per doz., a few specials realizing $3 per doz. Carnations retail at 50c. per doz., and are of very fine quality. Roses sell at $1.25 and $1.50 per doz. retail. Some nice Snapdragon retails at 75c. per doz. Violets sell fairly well at $1 per 100 blooms, and Sweet Peas at $1 per 100. Candytuft helps out largely in design work. Good Ferns sell well, and range in price from 50c. upwards at retail. Funeral work has been fair. All the uptown stores are making nice window displays these days.

E. H. Chamberlain had some nice Jerome Jones and Belle of Castlewood 'Mums Saturday last; they were finely done and found a ready sale at nice prices.

E. Y. Pierce, on Cottage st., will have some grand Eaton 'Mums to cut for Thanksgiving; his Roses and Carnations are looking grand. His new Kroeschell boiler is working well.

Wm. P. Pierce is still cutting fine large 'Mums; he reports funeral work as very good in the past week.

Peter Murray of Fairhaven has some fine Whitmani Ferns. He has handled large quantities of bulbs this Fall.

H. V. Sowle is cutting lots of flowers just now at his Coffin ave. place.

All outdoor flowers, with the exception of hardy 'Mums, are gone, one or two heavy frosts recently finishing them off.

S. S. Peckham is still cutting fine Snapdragon, which finds a ready sale among the retailers here.

H. A. Jahn is cutting some nice Carnations, also plants of short white 'Mums, at his greenhouses on Brock ave.

We are having nice weather now, days fairly warm and the nights cool.

HORTICO.

NEWTON, KANS.—The Rosebud Co. has finished the work of reconstruction of its greenhouse plant, and has started in business.

MINNEAPOLIS, MINN.—The Central Floral Co. has erected a large, modern greenhouse at 26th and Central aves. and is catering to the retail trade.

Time to WAKE UP

REGARDING YOUR REQUIREMENTS ON

ROSES

both FIELD stock and YOUNG Plants. We are United States Headquarters. Wholesale List for the asking. Own Root only.

Send ten cents in stamps for our artistic Tri-Color Plate of **Joanne Wessenhoff,** the grand Yellow Hybrid Tea; you positively need this Rose whether you are a Florist or Nurseryman.

CALIFORNIA ROSE CO., POMONA, CALIFORNIA

Please mention the Exchange when writing.

Bush Box

	Per 100
10 to 12 inches	$25.00
15 inches	30.00
18 inches	35.00

California Privet

	Per 100
2 to 3 feet	$2.50
3 to 4 feet	4.00

Write for wholesale list

The Elizabeth Nursery Co.
ELIZABETH, N. J.

Please mention the Exchange when writing.

To Clear the Ground

We must clear the ground on which these grow. **So name Your Price on what you want and if within reason it is yours.**
(Subject only to previous sale)

	Quantity
ALTHEA Jeanne D'Arc, 18 to 24 in.	700
2 to 2½ ft.	2400
3 to 4 ft.	3225
4 ft.	400
4 to 5 ft.	1200
ALTHEA, Red, 2 to 3 ft.	2100
3 to 3½ ft.	300
3 to 4 ft.	1500
ALTHEA Banner, 2 to 3 ft.	900
3 to 4 ft.	2950
ALTHEA Bicolor, 2 to 2½ ft.	350
3 to 4 ft.	600
ALTHEA Comte de Flanders, 18 to 24 in.	400
3 to 3½ ft.	600

Fine Stock.

	Quantity
ALTHEA Brabant, 3 to 3½ ft.	400
CALIFORNIA PRIVET, strong bushy, 3 to 3½ ft.	10,000
DEUTZIA crenata, 3 to 4 ft.	350
DEUTZIA gracilis, 18 to 24 in.	1100
DEUTZIA Lemoine, 2½ to 3 ft.	800
3 to 3½ ft.	1200
MOCK ORANGE, single, 3 to 4 ft.	700
MOCK ORANGE, double, 3 to 4 ft	500
WEIGELA rosea, 2 to 2½ ft.	500
2 to 3 ft.	600
WEIGELA variegata, 2 to 2½ ft.	200
3 to 3½ ft.	500
3 to 4 ft.	300
4 to 5 ft.	200

Boxing charged at cost.

THE CONARD & JONES COMPANY, West Grove, Pa.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

BRIDE, BRIDESMAID, GOLDEN GATE and **KAISERIN,** $6.00 per 100.

Grafted, Fine Stock

WHITE KILLARNEY and **PINK KILLARNEY,** strong, two year old plants, from field, $15.00 per 100.

3½-in. pots, $20.00 per 100. 3-in. pots, $18.00 per 100.

GOLDEN GATE, KAISERIN, and **RICHMOND,** from 3½-in. pots, $17.00 per 100.

ASPARAGUS

SPRENGERI, from 3-inch pots, $6.00 per 100.

SPRENGERI, from 2¼-in. pots, $4.00 per 100.

POINSETTIAS
From 3-in. pots, 10.00 per 100.

CANNAS, 30 varieties, strong, field clumps, $2.00 and $2.50 per dozen, $15.00 and $20.00 per 100.

Send for Catalog.

WOOD BROS., Fishkill, New York

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

Chicago Flower Show

The eighteenth annual show of the Horticultural Society of Chicago was opened to the public, at one o'clock on Tuesday afternoon, Nov. 8, at the Coliseum in Chicago. The scheme carried out in the floor arrangements was a reproduction of a garden of Monte Carlo, showing a broad avenue, leading to the Casino, lined on either side with banks of Palms and Ferns, squares and circles of flowers and plants, placed so that they seemed to form a part of a natural landscape. The whole arrangement was formal, every leaf and blossom being made to grow according to the precise plan of the gardener. Chicagoans who have visited Monte Carlo were able to compare the reproduction with the original. It was entirely different from any arrangement before attempted, and fully met the approval of the public. The decorations of the Coliseum Building were carried out with orange bunting, wild Smilax, and electric lights, creating a very pretty effect for the setting of the gardens. A new feature was the band stand on the main floor, and the music by Johnny Hand's famous band was highly appreciated by the visitors. A celebrated harpist and a lady singer added to the attractions in the music line.

A feature which attracted interested crowds of spectators was the city back yard exhibits. In three corners of the Coliseum were beds, arranged with a view to demonstrating to the public the best methods of beautifying small plots of ground. In one corner was a garden designed to show a cause of failure, in a city garden. Two plats of sod, marked off on different plans, showed the arrangement best adapted for the laying out of lawns with flower beds, etc.

Blooming plants seemed to rival the cut flower exhibits. A Geranium tree, four feet tall, bearing fifty clusters of red blossoms, located among a large group of dwarf plants attracted much attention; it came from the University of Chicago, through John Cook, gardener of the department of botany.

Another interesting tree was seen within a square, white picket fence; from one stalk came 20 perfect blooms of Chrysanthemums of the old-fashioned varieties used by our grandmothers.

An Orange tree in bloom was a feature of the bridal corner, where the Schiller Floral Co. exhibited, in a glass case, a bride's shower bouquet of Lily of the Valley, a pink Bridesmaid's bouquet of Killarney Roses, a muff of pink chiffon and pink Orchids for bridesmaids.

The cut flower booth of the Chicago Florists' Club, in charge of H. E. Philpott, was in a most desirable location, and was well patronized by the public.

On Tuesday the retailers helped to improve the appearance of the show floor, establishing table decorations in the booths on either side of the hall, adding greatly to the display.

The Parks helped to fill the enormous building by donations of various plants, Palms and Ferns. South Park had a very commendable group, with a fine collection of Orchids, making the display a center of attraction. Among the varieties of Orchids were Cypripediums such as Fairieanum, insigne, Sanderæ, Harrisianum, and superbum, besides Cattleyas Trianæ, Percivaliana, Bowringiana, labiata, Vanda cœrulea, Zygopetalum Mackayi, Oncidium tigrinum, Epidendrum Brassavolæ, and many other varieties.

From E. S. Uhlein, came some rare Orchids, shown in a glass case, including Vanda Sanderiana; Cattleyas Schofieldiana and Mossiæ; Lælias elegans and lobata; Lælia Perrinii and other varieties, making in all a most effective display. Uhlein's group of Ferns were also worthy of mention, and included a very large specimen of Cibotium regale, also some uncommon Adiantum, Pteris, Aspidiums, Asplenums, etc.

Lincoln Park staged a large group of Palms and foliage plants, of many varieties, effectively arranged, and they were admired by all.

Julius Roehrs Co. of Rutherford, N. J., exhibited plants of their new Celosia Pride of Castle Gould, a most striking plant among the foliage plants. The company also showed a collection of stove and greenhouse plants, among which were Heliconia illustris rubricaulis, Dracæna Goldieana, Alpinia Sanderi, Croton Fred Sanders, and other plants.

H. A. Dreer of Philadelphia, Pa., had an exceptionally fine exhibit of Cocos Weddelliana. The plants ranged from small 3-in. pot plants to plants 4 ft. high; it was said it was one of the best groups of this kind ever staged.

Winterson's Seed Store exhibited a collection of Fall bulbs, an attractive feature being a Spring idea, of a Tulip bed, composed of many colored Tulips in paper; while somewhat artificial the display gave one a good idea of what a Tulip bed would look like when in bloom.

From Vaughan's Seed Store came a very elaborate display of vegetables grown at their farm, and certainly up to the premium standard.

In the Annex the different nurseries were represented in Winter scenes, always at this season very appropriate, and much enjoyed by the masses. Klehms Nurseries of Arlington Heights, Ill., had a fine display of Mahonia aquifolium; Holly-leaved Ash berries, and many varieties of evergreens. Frank Kadlee of Evanston, Ill., had a very interesting display of Boxwood trees in numerous designs. Vaughan's Seed Store had a large variety of shrubs, Blue Spruce, all fine specimens, Snowberries, Berberis, Ivy, and many other small trees, to help make a large display. The Geo. Wittbold Co. had also a large exhibit in this line, artistically arranged, and including many sorts of small nursery stock. W. W. Barnard Co. had also a display of nursery stock, bulbs, and several beds showing bulbs ready to cover for Spring flowering. A glass case was filled with bulbs in various glasses and bowls, started for their blooming season; this was a drawing card.

A new feature of the show is the distribution of the blooms exhibited each day to the several retailers, who decorate booths with same, each retailer to be awarded a certain sum for making such decorations.

There are not so many out-of-town exhibitors as in other years, owing to the many shows being held this week in the near vicinity of Chicago.

On Wednesday the general appearance of the hall was changed, as many of the spaces not utilized on Tuesday were filled with a grand display of Roses, and table decorations.

Visitors: J. A. Mueller, Rutherford, N. J.; J. J. Karins, Philadelphia, Pa.; Mr. and Mrs. O. E. Dwyer, Nebraska City, Neb.; J. E. Meinhart, Webb City, Mo.; Mrs. J. M. Gasser, Cleveland, O.; Mrs. I. Horning, Cleveland, O.; Mr. and Mrs. E. H. Mann, Richmond, Ind.; Mr. and Mrs. Harold O. Olson, Peoria, Ill.; W. A. Kennedy, Milwaukee, Wis.; Edw. Amerpohl, Janesville, Wis.; Elmer D. Smith, and Mrs. Smith, Adrian, Mich.; B. T. Winslow, Janesville, Wis.; Mr. and Mrs. W. L. Rock, Kansas City, Mo.; Geo. J. Dinkle, Springfield, Ill.; C. W. Scott, New York City; Geo. F. Crabbe, Grand Rapids, Mich.; Frank L. Riley, Des Moines, Ia.; A. T. Pyfer, Joliet, Ill.; H. B. Dorner, Urbana, Ill.; A. Miller, Philadelphia; Geo. S. Hartung, Sandusky, O.; Philip J. Smith, Sandusky, O.; S. J. Olinger and wife, Cincinnati, O.; S. Olinger, Cincinnati.



Chrysanthemum Minta—Light Pink Pompon
First-Class Certificate C. S. A.
Originated by Elmer D. Smith & Co., Adrian, Mich.

Awards—First Day

CHRYSANTHEMUMS

White.

Best vase 50 blooms var. Wm. H. Chadwick—1, Poehlmann Bros. Co., Morton Grove, Ill.; 2, E. G. Hill Co., Richmond, Ind.; 3, A. T. Hey Floral Co., Maywood, Ill.

Best vase 50 blooms var. Timothy Eaton—1, Bassett & Washburn, Chicago; 2, E. G. Hill Co.; 3, Poehlmann Bros. Co.

Best vase 50 blooms any other variety—1, E. G. Hill Co.; 2, Mt. Greenwood Cem. Assn., Morgan Park, Ill.; 3, Elmer D. Smith & Co., Adrian, Mich.

Pink

Best vase 50 blooms var. Maude Dean—1, Poehlmann Bros. Co.

Best vase 50 blooms var. Dr. Enguehard—1, Bassett & Washburn; 2, C. C. Pollworth Co.; 3, Mt. Greenwood Cem. Assn., C. W. Johnson.

Best vase 50 blooms any other variety—1, E. G. Hill Co.; 2, Mt. Greenwood Cem. Assn.; 3, Bassett & Washburn.

Yellow

Best vase 50 blooms var. Maj. Bonnaffon—1, Poehlmann Bros. Co.; 2, E. G. Hill Co.; 3, Elmer D. Smith & Co.

Best vase 50 blooms var. Golden Eagle—1, E. G. Hill Co.; 2, Mt. Greenwood Cem. Assn.; 3, C. C. Pollworth Co., Milwaukee, Wis.

Best vase 50 blooms Col. Appleton—1, Elmer D. Smith & Co.; 2, Poehlmann Bros. Co.

Best vase 50 blooms any other variety—1, Poehlmann Bros. Co.; 2, E. G. Hill Co.

Any Other Color

Best vase 50 blooms—1, E. G. Hill Co.; 2, Poehlmann Bros. Co.; 3, Poehlmann Bros. Co.

Best 12 blooms one variety, white—1, Elmer D. Smith & Co.; 2, Poehlmann Bros. Co.; 3, E. G. Hill Co.

Best 12 blooms one variety, yellow, not darker in color than Major Bonnaffon—1, Bassett & Washburn; 2, Poehlmann Bros. Co.; 3, E. G. Hill Co.

Best 12 blooms one variety, yellow, darker in color than Major Bonnaffon—1, Bassett & Washburn; 2, E. G. Hill Co.; 3, Mt. Greenwood Cem. Assn.

Best 12 blooms one variety, pink, lighter in color than Viviand Morel—1, Mt. Greenwood Cem. Assn.

Best 12 blooms one variety, pink, not lighter in color than Viviand Morel—1, Mt. Greenwood Cem. Assn.; 2, H. W. Buckbee, Rockford, Ill.

Best 12 blooms one variety, red—1, Elmer D. Smith & Co.; 2, Poehlmann Bros. Co.; 3, E. G. Hill Co.

Best 12 blooms one variety, bronze—1, Elmer D. Smith & Co.; 2, E. G. Hill Co.

Best 12 blooms one variety, any other color—1, Bassett & Washburn; second ruled out.

Best 12 blooms Mrs. Jerome Jones—1, C. C. Pollworth & Co.

Best collection named varieties, 1 bloom each, 25 varieties—1, E. G. Hill Co.; 2, Elmer D. Smith & Co.; 3, Mt. Greenwood Cem. Assn.

Best collection named varieties, 1 bloom each, 25 varieties, to be shown on mossed boards—1, E. G. Hill Co.; 2, Elmer D. Smith & Co.; 3, Mt. Greenwood Cem. Assn.

Best display Pompon varieties in at least 15 varieties, 5 sprays or more of each sort, shown in separate vases—1, E. G. Hill Co.

Best display of single Chrysanthemums, at least fifteen varieties, five sprays or more of each sort shown in separate vases—1, E. G. Hill Co.; 2, Alois Frey, Crown Point, Ind.

Plants—Chrysanthemums

Best specimen plants, any color, no restriction as to size of pot or growth—1, Vaughan's Seed Store, Chicago; 2, Vaughan's Seed Store; 3, Mt. Greenwood Cem. Assn.

Best specimen plant, white—1, Vaughan's Seed Store; 2, Vaughan's Seed Store; 3, Robt. Mueller, gardener to A. S. Trude.

Best specimen plant, yellow—1, Vaughan's Seed Store; no second; 3, Mt. Greenwood Cem. Assn.

Best specimen plant, pink—1, Vaughan's Seed Store; 2, Vaughan's Seed Store; 3, Mt. Greenwood Cem. Assn.

Best specimen plant, Single—1, Vaughan's Seed Store; 2, Robt. Mueller; 3, Mt. Greenwood Cem. Assn.

Best specimen plant, Anemone—1, Vaughan's Seed Store; 2, Robt. Mueller; 3, Mt. Greenwood Cem. Assn.

Best standard, any color, not less than 30 inch stem—1, Vaughan's Seed Store; 2, Mt. Greenwood Cem. Assn.; 3, Robt. Mueller.

Best two half-standards, not less than 12 inch stems, nor more than 24 inch stems, 2 varieties—1, Vaughan's Seed Store; 2, Mt. Greenwood Cem. Assn.; 3, Mt. Greenwood Cem. Assn.

Best 3 specimen plants, in variety, not less than 10-inch pots—1, Vaughan's Seed Store; 2, Mt. Greenwood Cem. Assn.; 3, Robt. Mueller.

Best 5 specimen plants, Pompon varieties, not less than 8-inch pots—1, Vaughan's Seed Store; 2, Robt. Mueller; 3, Mt. Greenwood Cem. Assn.

Best 5 specimen plants, single, white, not less than 8-inch pots—1, Vaughan's Seed Store; 2, Mt. Greenwood Cem. Assn.; 3, Robt. Mueller.

Best 5 specimen plants, single, yellow, not less than 8-inch pots—1, Vaughan's Seed Store; 2, Robt. Mueller.

Best 5 specimen plants, single, pink, not less than 8-inch pots—1, Vaughan's Seed Store; 2, Robt. Mueller; 3, Mt. Greenwood Cem. Assn.

Best 12 plants grown to single stem and bloom, any color, not over 6-inch pots, not over 30 inches high above the pots—1, Vaughan's Seed Store.

Best group of Chrysanthemum plants arranged for effect, to occupy not less than 100 sq. ft.—1, Vaughan's Seed Store.

Best plant of odd or bizarre variety—2, Mt. Greenwood Cem. Assn.; no first.

Best 24 plants, single stems, 6-inch pots, one or more varieties—1, Vaughan's Seed Store.

Plants—Miscellaneous

Most interesting grafted specimen plant of any kind (if Chrysanthemum it must have at least 3 inches clean stem, above soil). Rule 2 does not apply in this class—1, Vaughan's Seed Store.

Best collection Orchids, not less than 25 plants—No first; 2, E. G. Wilhelm.

Best three Palms, not less than 10 ft. high—1, John Cook, University of Chicago.

Best Boston Fern, or sports of the same—1, Adam Wolniewicz, Chicago.

Best 6 Araucarias—1, Vaughan's Seed Store; 2, Frank Oechslin, Chicago.

Best 3 Gloire de Lorraine Begonias, or its types, in not less than 8-inch pots—2, Schiller the Florist, Chicago.

Best flowering plant other than specified in class 48, Chrysanthemums excluded—1, Fritz Bahr, Highland Park, Ill.

Best 6 Boston Ferns, or sports of the same, one or more varieties, not less than 10-inch pots—1, Vaughan's Seed Store; 2, Schiller the Florist.

Best collection of Ferns, number of varieties to be considered in judging—1, E. G. Wilhelm; 2, Vaughan's Seed Store; 3, Schiller the Florist.

Best filled Fern dish, not to exceed 15 inches in diameter—1, The Geo. Wittbold Co., Chicago; 2, J. Cook, U. of C.; 3, Peter Schlit, gdr. to Kenneth Barnhart.

Best basket or hamper of plants—1, E. G. Wilhelm; 2, The Geo. Wittbold Co.; 3, John Cook.

Best 12 Pandanus Veitchii, not less than 6-inch pots—1, Frank Oechslin.

Best group of Dracænas, in variety—1, E. G. Wilhelm.

Best three Ficus pandurata—1, Schiller the Florist.

Readers' Views

Dahlias in England

Your correspondent, J. Harrison Dick, in his last week's article, under the heading "English Horticultural Notes," makes a mistake, in referring to Peony-flowered Dahlias, when he says that "our committees won't look at them yet, to give any certificate," for, as a matter of fact, the Royal Horticultural Society of England a few weeks ago awarded a certificate to a Peony-flowered Dahlia named S. T. Wright, the variety having been on trial at the R. H. S. gardens at Wisley. This variety was raised and is being introduced by Messrs. Baker of Codsall, Wolverhampton, England.

Messrs. Baker have raised and introduced many of the finest varieties now in cultivation, and are practically the pioneers with the Peony-flowered Dahlia in England; and I understand from press and other reports, that their exhibits of this new class at the various shows during the past few weeks have been magnificent.

Doylestown, Pa. G. W. KEBB.

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"Catskill, N. Y., Oct. 29, 1910.

"Aphine Manufacturing Company, Madison, N. J.

You may send me by freight another ten gallons of Aphine. I am using it altogether in my houses and find it is better than fumigating. My chrysanthemums never had as fine foliage as this year, and no insects anywhere. Aphine certainly is the best insect destroyer, while it will not hurt the plants or blooms.

Yours very truly,
HENRY HANSEN."

$2.50 per gallon—$1.00 per quart

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California

Please mention the Exchange when writing.

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Rochester, N. Y.

With the flower show over, business has again settled down to its usual state. While it is yet too soon to make any statement as to the success of the show, it cannot be denied that as a flower show it was a great success and the florists who participated in the event have endeared themselves to the people for presenting such a wonderful display. It is estimated that about 30,000 people visited the exhibition, but owing to the great expense it is doubtful whether it was such a financial success as the one held a year ago. A full report of affairs will be presented at the regular meeting, to be held on Monday next.

Trade conditions for the past few weeks have not been at all satisfactory. Early Chrysanthemums have not been in great demand and prices have accordingly not been up to the usual standard. This condition may have been caused chiefly through most of the stock coming in at one time; then, again, the quality has not been good, causing the market to be flooded with a lot of poor material. The prospects for the later crop are generally good and if nothing happens a good market will be found for these varieties.

J. B. Keller Sons have just installed electric fixtures in their potting shed and barn, adding much to the convenience and utility of their establishment.

Emil Thomann, of Thomann Bros., met with a painful accident on Saturday evening, the firm's automobile being struck by a car, while in the act of startiug on a delivery. From latest reports nothing serious has presented itself, but he is still confined in the hospital.

A delegation, consisting of W. F. Kastiug, Geo. W. McClure, and W. H. Neubeck, visited the Rochester flower show on Saturday, and were much impressed with the magnitude and general appearance of our show.

Thomas Coggler is still in the hospital; he had a relapse a week or so ago, but is slowly recovering. H. B. STRINGER.

Enlarging Construction Facilities

William H. Lutton, greenhouse builder, Jersey City, N. J., recently purchased a valuable tract of land of 1½ acres, about a quarter of a mile from his present location. Mr. Lutton intends to build a four-story reinforced concrete building on this property, to accommodate his business; it will be admirably situated for shipping, as the Central Railroad of New Jersey has erected a spur that will extend through the center of the building, which with the new city docks to be erected on Newark Bay by the municipality of Jersey City will afford unequaled facilities for shipping.

You'll Need More Palms for Winter—Save Money By Ordering Them NOW

HAVE you a large enough stock of palms to see you through the winter? Better be real *sure*—because the palm is getting to be more popular every year as a Winter house-plant, and the demand will no doubt be heavier *this* year than ever before. If you haven't already laid in a good supply, you're likely to run short before Spring—palms, you know, can't be shipped safely in the Winter.

We're still making a number of freight shipments, but it will soon be too cold for anything but express—which is an expensive and quite unsatisfactory method. If you get in your order right quick, though, we can still take care of it—if you neglect ordering now, you'll be pretty certain to regret it before Spring.

Telegraph your order, or 'phone or special delivery it—send it *some* way—and we'll see that you get the best selection of clean, healthy, vigorous, home-grown palms possible to secure, and that you get them quickly!

KENTIA FORSTERIANA

	Leaves	In. high	Each	Doz.
6-in. pot	6	34 to 36	$1 50	$18 00

MADE-UP KENTIA FORSTERIANA

	In. high	Each
7-in. tub or pot, 4 plants in pot	36	$2 50
7-in. tub or pot, 4 plants in pot	36 to 40	3 00
9-in. tub or pot, 4 plants in tub	42 to 48	6 00

ARECA LUTESCENS

	In. high	Each
6-in. pot, 3 plants in pot	26 to 28	$1 00
7-in. pot, 3 plants in pot	30 to 32	2 00
8-in. pot, 3 plants in pot	36	2 50
8-in. pot, 5 plants in pot	42	3 00

COCOS WEDDELIANA

	In. high	Per 100
2½-in pot	8 to 10	$10 00
2½-in. pot	10 to 12	15 00

KENTIA BELMOREANA

	Leaves	In. high	Each	Doz.	100
5-in. pot	6	to 7-18	$6 00	$50 00	
6-in. pot	6	to 7-22 to 24	$1 00	12 00	
6-in. pot	6	to 7-24 to 26	1 25	15 00	
6-in. pot	6	to 7-26 to 28	1 50	18 00	
7-in. tub or pot	6	to 7-34 to 36	2 50	30 00	
7-in. tub or pot	6	to 7-36 to 38	3 00		
7-in. tub or pot	6	to 7-40 to 45	4 00		

	Leaves	In. high	Each
9-in. tub	6 to 7	42 to 48 very heavy	$5 00
9-in. tub	6 to 7	48 to 54 very heavy	6 00

PHOENIX ROEBELENII

	Each
5-in. pots, nicely characterized	$1 00
6-in. pots, nicely characterized	1 50
7-in. pots, nicely characterized	2 00



"When in Philadelphia. Be Sure to Look Us Up"

Joseph Heacock Company

Wyncote, Pa. Railway Station: Jenkintown

Please mention the Exchange when writing.

ASCHMANN BROS.

FLORISTS

SECOND and BRISTOL STS. and RISING SUN AVENUE, Philadelphia, Pa.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii, 5½-6-in. pots, 40c. and 50c. each.

NEPHROLEPIS Bostoniensis, 6-in. 50c.; 7-in. 75c. each.

NEPHROLEPIS Whitmani, 4-in. 20c.; 5½-6-in., 40c and 50c. each.

NEPHROLEPIS Scholzeli, 6-in., 50c. each; 4-in. 20c. each.

Our ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum, 3-in., $7.00 per 100.

PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each

DISH FERNS. Fine assortment, $4.00 per 100.

ASPARAGUS Plumosus Nanus. 4-in., $8.00 per 100.

PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.

PRIMULA Chinensis, 4-in., $8.00 per 100.

KENTIA Belmoreana, 4-in., fine plants, 30c. each.

COCOS Weddelliana, 3-in., strong plants, 20c. each.

ARAUCARIA EXCELSA, 3-4-5 tiers 5½-in. pots, 50c , 60c. and 75c. each; fine plants, good value for the money

FICUS ELASTICA, Rubber Plants, 5½-in. pots, 35c. and 40c. each.

SOLANUM, Jerusalum Cherries, 5½-in. pots, 25c. and 35c. each; full of large berries.

Cash With Order Please.

Our greenhouses are located only four miles from the center of Philadelphia (Market St.) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

PLANT SPECIALS

HYDRANGEA Otaksa, strong field-grown plants, 8 to 12 shoots, $5.00 per doz.; 12 to 15 shoots, $6.00 per doz.

ALTERNANTHERA Jewel, best variety of all, $2.50 per 100.

ACONITUM Wilsoni (new), $12.00 per 100.

ANCHUSA Dropmore variety, field-grown, $10.00 per 100.

ANEMONE Japonica, strong, field-grown plants, **Autumn Queen** and **Prince Heinrich,** $8.00 per 100. **Lord Ardilaun, Queen Charlotte, Whirlwind** and **Rosea superba** at $6.00 per 100.

CLEMATIS Paniculata, field-grown, 3-year-old plants, $15.00 per 100.

PHLOX, Early Flowering, Miss Lingard, strong clumps, $3.00 per 100; field-grown, $6.00 per 100.

PHLOX Decussata, strong clumps, assorted varieties, extra choice, $3.00 per 100.

WILLIAM TRICKER, Arlington, N.J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

ASPARAGUS Sprengeri, 2 and 3-in., $3.00 and $4.00.

REX BEGONIAS, 2-in., $4.00.

COLEUS, 2-in., $1.00.

SCOTTII FERNS, 3-in., $6.00.

GERMAN IVY, 3-in., $1.50.

DRACAENA Indivisa, 4-in., $10.00; 6-in., $20.00.

VINCA, 2-in., 3c.; 3-in., 6c.; 4-in., 8c.; 5-in., 10c.

HELIOTROPE, 3-in., $1.50.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Asparagus Sprengeri

2½-in pots, $2.25 per 100.

MIGNONETTE. Machet, new crop, selected seed; pkt. 15c., oz. 50c.

GIANT PANSY finest mixed, 2000 seeds, 50c.; ¼-oz. $1.00, ½-oz. $1.75, 1-oz., $3.00.

Cash with order.

LAKEREST GREENHOUSES

SHANDELEE, Sullivan County, N. Y.

Rose Lozenge Antidote for Influenza

The Rose as a preventive of colds and influenza is the newest idea demonstrated at the London Medical Exhibition, and preference is given to the "Duke of Edinburgh," a rose of a rich red color and of strong yet delicious perfume. A vegetable antiseptic has been evolved from this Rose which is made up into small aromatic lozenges. These, when dissolved in the mouth, are said to wage relentless war against the countless millions of those bacilli which set up the conditions known as a cold in the head. This Rose antiseptic has also been placed into the cultures of the bacilli of diphtheria, pneumonia, typhoid and other diseases, and it is claimed for it that it has on every occasion routed the bacilli without quarter. It is even stated that it is only necessary to inhale the fragrance of the lozenges to obtain relief from a cold.—*N. Y. Herald.*

[Now let us endeavor to find out what the Carnation, Violet, etc., will avail for in *materia medica.* Needless to say we do not expect to receive this Fall and Winter the hitherto numerous notices of growers being sufferers from cold in the head! The next remedy to be desired is one to prevent getting cold—in the feet.]

Utica, N. Y.

E. F. Quinn, florist, of Norwich, N. Y., wife and daughters, were in the city in the past week. Mr. Quinn reports business as fine and that be is preparing to build more houses the coming season. He has built up a fine trade in Norwich in a very few years.

W. H. Wagner of Cooperstown, and wife, were in town a few days ago.

Frank McGowan of 808 Sunset ave., florist, contemplates building a large house, 40x125 ft., to take the place of two old houses, the coming Summer. Trade is good with him; he has a fine lot of 'Mums now ready and another good lot will be ready for Thanksgiving week; Carnations are in big demand with him.

W. A. Rowlands of Whitesboro, N. Y., returned last week from the Adirondack Mountains with a fine buck deer, weighing 250 lbs.; everyone of his numerous friends is eating venison with thanks. He reports a fine time in the woods. Business at his greenhouses is good, with not enough Carnations to go anywhere near around, although he is having a good cut for this time of year. He has some fine Sweet Peas just coming in, and he grows a few 'Mums, which are now just ready.

Baker & Son are very busy with their bulb trade.

Sam Pinkstone will build two new houses the coming year, which shows an increase of business.

Everything at W. K. Dobler's is looking fine and he reports business good.

Robt. Boyce has been on the sick list for a short time, but is very much better.

QUIZ.

New Orleans

Another of those nerve racking days for the New Orleans florists has passed into history, and it is no exaggeration to thus term it when we consider that the volume of business which is crowded into a few hours could easily keep the regular forces busy for at least a week; practically every one, both rich and poor, calls for flowers on All Saints' Day. Fortunately, less designs are used each year and the principal demand is for Chrysanthemums, which are easily handled and require no putting together; a few large flowers with some Asparagus or other green being the prevailing mode.

There was an overstock of flowers this season, probably in part to be accounted for by the invasion of the Italian truckers into the Chrysanthemum growing for this day; it is true they only grow the cheaper grades, but this year they grew them by the acre and built light framework covered with sheeting so as to have the flowers clean.

One of the finest crops of high-grade flowers could be seen, at the A. Alost establishment at Gentilly; the method pursued by this firm is a very good one. They have a range of houses with portable roofs which are taken off for the Summer and replaced in the early Fall; the result is fine clean flowers of good substance. Mr. Alost, who recently returned from Belgium, brought a large importation of trained Bay trees and other Belgium specialties.

Mrs. J. H. Menard's Elks' Nursery had a patch of well-grown Robinson with finely developed flowers, and an unnamed yellow of good color and substance which, however, opened rather late. Her stock of decorative Palms is in excellent condition. The raising of Ficus repens in quantity has been the specialty of this firm for years and, at the present time, they have a fine stock on hand. Mrs. Menard's son, Mr. Claude Ory, is the grower and manager here.

CRESCENT CITY.

Syracuse, N. Y.

Gustave Bartholome has completed his beautiful show house; it is the best of its kind in this part of the State. The side facing the road has a glass front ten feet high, which gives the public a splendid view of the contents, which are very tastefully arranged; the benches are built of iron, with slate bottom; the walls are cement and the ventilating apparatus of the latest pattern. Just now it is filled with a splendid lot of potted 'Mums, the best I have seen this season; Palms and Ferns are interspersed, which give a charming effect. Mr. Bartholome is very pleased with the new pink 'Mum Pacific Supreme, and will discard the old Glory. All the houses are in the pink of condition. The Carnations are a splendid lot and have started off well; some of the new ones are being tried; Dorothy Gordon and Constant are doing fine. I noticed a fine block of that old favorite Begonia incarnata, for Christmas.

Philips & Koech were very busy building the chimney to their boiler when I called. They have now a very compact uptodate plant, and their stock is in very good shape; 'Mums and Carnations especially so. These young men deserve great credit for their patience and industry, as they started in with little or no experience.

Bellamy Bros. are very pleased with the business they are doing at their new place. Jim always excelled as a 'Mum grower, and the stock this year is a credit to him. Harry is the Carnation man, and the Carnations are looking fine and giving lots of bloom; they have a very complete stock. When they complete the propagating house they will have a very fine range of glass.

P. B. Quinlan has an auto delivery wagon, which will greatly help him in his large business. He is cutting large quantities of 'Mums.

H. Y.

Dreer's Palms, Fine Ferns and Araucarias

Clean, Healthy, Vigorous Plants of Good Color and Value . .

DREER'S PALMS

Areca Lutescens

A splendid lot of well-shaped plants, of good color.

	Each
6-in. pots, 3 plants in a pot, 28 to 30 in. high	$1.00

Cocos Weddeliana

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

3-in. pots, 8 to 10 in. high, $2.00 per doz., $15.00 per 100.
5-in. pots, 18 to 24 in. high, splendid plants, 75c. each.
7-in. pots, 34 to 36 in. high, grand specimens, $2.50 each.

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 45 to 48 in. high	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5½ ft. high	8.00
10-in. tubs, 6 to 7 leaves, 6 ft. high	10.00

The following are exceptionally heavy and valuable decorative plants.

	Each
14-in. tubs, 6 to 7 leaves, 7 to 7½ ft. high	$25.00
15-in. tubs, 6 to 7 leaves, 7½ to 8 ft. high	30.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00



ARAUCARIA

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
Specimen plants, 9 to 10 ft. high, in tubs	40.00

Kentia Forsteriana —Made-up Plants

	Each.
7-in. tubs, 3 plants in a tub, 36 in high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high.	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high.	6.00
8-in. tubs, 3 plants in a tub, 4 ft. high	6.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00

Phoenix Roebelenii

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddeliana with the hardiness of a Kentia; it will prove an invaluable plant for the house. We have a grand stock and offer.

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25

We also have a limited lot of handsome specimen plants in tubs, at $35.00 and $50.00 each.

Araucaria Excelsa

	Each
5-in. pots, 10 to 12 in. high, 3 tiers	$0.50
6-in. pots, 14 to 16 in high, 3 tiers	.60
6-in. pots, 16 to 18 in. high, 4 tiers	.75
7-in. pots, 18 to 20 in. high, 4 tiers	1.00
7-in. pots, 24 in. high, 4 to 5 tiers	1.25

Araucaria Excelsa Plumosa

A rare variety, similar in habit to Araucaria Robusta Compacta but with very deep green foliage; very desirable.

	Each
6-in. pots, 12 to 14 in. high, 3 tiers	$0.75

Araucaria Excelsa Glauca

	Each
5-in. pots, 10 in. high, 2 to 3 tiers	$0.60
6-in. pots, 12 to 14 in. high, 3 tiers	.75

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 inches high	$2.50
9-in. tubs, 42 to 46 inches high	3.00
10-in. tubs, 46 to 48 inches high	4.00
11-inch tubs, 48 to 52 inches high	6.00
11-inch tubs, 52 to 54 inches high	6.00
18-in. tubs, specimen plants, 8 ft. spread	40.00

Pteris Wilsoni Fern

This is the most decorative of all the Pteris, a handsome crested form which is just as useful as a specimen plant as any variety of Nephrolepis, and in a small size a most desirable variety for Fern dishes.

	Per 100	1000
5-in. pans	$25.00	
6-in. pans	35.00	
2¼-in. pots	3.50	$30.00

DREER'S PÆONIAS READY NOW

The following varieties are offered in strong divisions of 3 to 5 eyes. All are of our own growing, absolutely true to label.

VARIETIES OF PÆONIA CHINENSIS

	Doz.	100	1000
Agnes Mary Kelway. Rosy white guard petals, with deep creamy white center	$1.50	$10.00	$90.00
Achille. Beautiful soft mauve, changing to rose tinted white	1.50	10.00	90.00
Andre Lauries. A fine tyrian rose; late	1.25	8.00	75.00
Baroness de Rothschild. Violet rose, with lighter shading	1.25	8.00	75.00
Canary. Fine large early white, with creamy center	2.00	15.00	
Chrysanthemiflora Rosea. A fine large early deep rose-pink, with paler shadings; early	1.25	8.00	75.00
Charlemagne. Rose tinted white; flowers of very large size and good substance	3.00	20.00	
Candidissima. Sulphur yellow	2.00	15.00	
Couronne d'Or. Creamy white; yellow stamens	5.00	40.00	
Duc de Cazes. Guard petals tyrian rose; center soft rose-pink; a beautifully formed flower; useful for all purposes	1.75	12.00	
Duke of Wellington. One of the finest double white sorts; very free flowering	3.00	20.00	
Duchesse de Nemours. An extra fine large pure white	2.00	15.00	
Delachei. Amaranth red	2.00	15.00	
Edulis Superba. Soft mauve with lighter shadings	1.25	8.00	75.00
Francois Ortegal. Brilliant crimson; full double flower	3.00	20.00	
Festiva Alba. A most popular white variety; grown very extensively for florists' cut flowers	$1.50	$10.00	$90.00
Festiva Maxima. Pure white, center petals tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Grandiflora Rosea. Brilliant rosy carmine; large and double	2.00	15.00	
Grandiflora Carnea Plena. Flesh; sulphur center	1.50	10.00	90.00
Humei. Rosy carmine; fine large flowers; late	1.25	8.00	75.00
Humei Rosea. Deep rose	1.50	10.00	90.00
La Tulipe. Flesh pink, changing to white, with few crimson markings; large globular flower	3.50	25.00	
Lady Bramwell. A beautiful silvery-rose; of large size and fine form	1.50	10.00	90.00
Louis Van Houtte. Brilliant crimson maroon; good size and free flowering	2.00	16.00	140.00
Mme. de Verneville. Broad sulphur-white guard petals; center delicate rosy-white	3.50	25.00	
Mme. Forel. Bright deep pink, shading lighter towards the border	3.50	25.00	
Marie Lemoine. (Lemoine's). Extra large, free-flowering; ivory white	4.50	35.00	
Mme. Calot. White, tinted rose, changing to creamy white; fine	3.50	25.00	
Mme. Crousse. Cream guard; blush-white center; tinted violet	$3.50	$25.00	
Paganini. Light solferino red with a lighter center	1.50	10.00	$90.00
Pomponia. Guard petals rosy mauve; primrose-yellow center, changing to creamy-white	1.50	10.00	90.00
Queen Victoria. A good early white	1.50	10.00	90.00
Reine des Fleurs. Rosy pink	2.00	15.00	
Reine des Roses. Pale rose lilac; center cream and pink	3.00	20.00	
Victoire Modeste. Blush rose and white	1.50	10.00	90.00
Victoire Tricolor. Guard petals delicate lilac rose; center light salmon yellow	1.50	10.00	90.00
Whittleyi. An oldtime favorite white cut flower variety	1.50	10.00	90.00
Zoe Calot. White, suffused with delicate rose	2.00	15.00	

PAEONIAS IN MIXTURE

Double Pink. Mixed sorts	.75	5.00	40.00
Double Red. Mixed sorts	1.00	7.00	60.00
Double Mixed. All colors	.75	5.00	40.00

PAEONIAS, EARLY FLOWERING

Officinalis (Mutabilis) Alba. Blush white	1.50	10.00	
Officinalis (Mutabilis) Rosea. Soft bright pink	1.50	10.00	
Officinalis Rubra. Crimson	1.00	7.00	
Tenuifolia flore plena. Crimson	3.00	20.00	

For a complete list of seasonable stock offered by us at this time, see our current wholesale list. If you have not received a copy it will be mailed to you on application.

HENRY A. DREER, Inc.

714 CHESTNUT STREET
PHILADELPHIA, PA.

FOUNDED IN 1888

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Big Prize Awards at St. Louis Show

At the fourth floral exhibition of the St. Louis Horticultural Society, held at the Coliseum, Nov. 8 to 12, 1910, the $500 prize for the best display of Chrysanthemums, one or more varieties attractively displayed, either cut blooms, plants or both, accessories not permissible, was won by the E. G. Hill Co., Richmond, Ind., as against the E. D. Smith Co., Adrian, Mich.

For the best display of cut Carnations, one or more varieties attractively displayed, accessories not permissible, the E. G. Hill Co. captured the $500 prize, there being no competition.

The $500 prize for best display of cut Roses, one or more varieties attractively displayed, accessories not permissible, will not be awarded until Thursday of this week, too late for current issue.

Perpetual Flowering Carnation Society (Eng.)

The following British raised seedlings of Perpetual-flowering Carnations have been registered by the Society this year.

By C. F. Waters, Balcombe, Sussex, Albert E. Manders, orange with red stripes; Edith Waters, cerise.

By H. Burnett, Guernsey, Aurora, buff marked with pink; Bridesmaid, deep salmon pink; Countess of March, salmon pink; Daphne, deep pink; Fortuna, yellow inclined to buff; Marmion, cherry-red, picoteed with white margin; Mikado, deep heliotrope at its best; Mrs. W. B. Clode, reddish salmon; Mrs. W. J. Hunter, cherry; Mrs. Tatton, white, overlaid with pink and margined white; Orpheus, bright yellow ground, marked with pink and white; R. F. Felton, pink; Snowball, white, inclined to blush in centre on opening; Snow Queen, white (pure); Vulcan, buff, heavily marked scarlet.

By Young & Co., Cheltenham, Duchess of Devonshire, bright crimson after President color; Lady Henderson, bright flesh pink.

By A. Smith, Enfield Highway, Empire Day, pale salmon pink.

By W. H. Lancashire, Guernsey, Emperor, white ground, striped carmine.

By C. Engelmann, Saffron Walden, Harlequin, yellow ground, heavily striped red.

By Stuart Low & Co., Bush Hill Park, Lady Dainty, white overlaid purple; Rival, coral red.

By J. Wormald, esq., Harrogate, Pride of Wharfedale, mauve ground, marked pink; The Socialist, scarlet.

By Hayward Mathias, Medstead, Etna, bright orange scarlet; Mascot, salmon pink; O. K., blood red; Pink Pearl, rose.

The Society's Winter show will be held in the Royal Horticultural Hall, London, on Dec. 13. Schedules and particulars may be obtained from Mr. Hayward Mathias, Lucerne, Stubbington, Fareham, Hants.

Landscape Architecture—A New Periodical

We acknowledge receipt of Vol. 1, No. 1, of Landscape Architecture, a quarterly magazine and the official organ of the American Society of Landscape Architects. That we have reached a period in the development of our home grounds, estates, parks, thoroughfares and surroundings generally, when need of such a magazine is appreciated, and its launching into the business world is looked on as a successful commercial venture, is matter of congratulation all around. The magazine, if kept to its definite purpose, will be of much assistance in the lines on which it has been founded to care for and promote, and will bring into larger and increased popularity the fact that there is a standard for landscape architecture which, as well, already possesses many disciples. We gladly welcome this new magazine into the field; there is ample room for all, and the greater the measure of success of those engaged in the pursuit it represents the better for our trade.

To show, in a measure, the scope of the magazine, we quote its editorial in full:

Landscape architecture is no new thing in America. Ever since we have had men of taste and leisure, we have had some examples of man's use of landscape with a consideration of its appearance.

But only within the last two decades has there been any widespread general realization of our need for beauty in land adapted to our use—beauty, not merely as a luxury, but as a practical necessity and as a matter of course. And, therefore, only recently has it been possible for any considerable number of men to take up as a profession the production of this beauty.

These professional men, and men in allied fields, are scattered widely over the country. They are working on many various problems, and they badly need some means of keeping in touch with their fellow workmen—some common meeting-ground for exchange of ideas and discussion of points of difference—some common voice to express effectively their opinions on matters of public interest within their province.

"Landscape Architecture" aims to meet these needs. How far it will succeed in doing so will depend in part on the ability of men concerned with the beauty of humanized landscape to express their ideas in words, as well as in actual or pictorial ground-form and building- and foliage-mass. But the usefulness of our magazine should grow with the growth of the profession from which it is named, and both should develop with what seems a marked tendency of the times—the increase in public interest in things out-of-doors and public appreciation of landscape beauty.

As defining the principles of landscape architecture, we reprint the following letter written by President Emeritus Chas. Wm. Eliot of Harvard:

It is a sign of the sound development of the new profession of landscape architecture that the American Society of Landscape Architects is issuing as the official organ of the Society a quarterly magazine entitled "Landscape Architecture." A few issues of the magazine will put before the public the very practical nature of the profession and its wide scope. The public needs to be taught that landscape architecture embraces city planning, the arrangement of formal courts, playgrounds, and gardens in compactly built cities, the decoration of highways, and the utilization for human enjoyment of such broad open spaces as forests, watercourses, cultivated fields, and natural meadows provide. Every variety of plantation comes within the province of the profession, and every variety of decoration for house-lots, sites of public buildings, station grounds, and factory yards. Landscape architecture is primarily a fine art, and as such its most important function is to create and preserve beauty in the surroundings of human habitations and in the broader natural scenery of the country; but it is also concerned with promoting the comfort, convenience, and health of urban populations, which have scanty access to rural scenery, and urgently need to have their hurrying, workaday lives refreshed and calmed by the beautiful and reposeful sights and sounds which nature, aided by the landscape art, can abundantly provide.

The office of the magazine in this city is at 103 Park ave.

Sweet Pea Classification and Elimination

The National Sweet Pea Society of England has published the results of the work done by the floral committee in regard to "classification," and the bracketing of "too much alike varieties." There will, doubtless, be some heartburnings but, on the whole, the work is satisfactory and valuable, and being published thus early will enable compilers of catalogs to make practical use of it for the coming season. Our American Sweet Pea specialists will rejoice to see American varieties well to the front.

Classification of Sweet Peas

Except where otherwise stated, the three first varieties are in order of merit.

*Indicates a grandiflora variety, all others are waved.

The following is an uptodate selection of varieties in commerce, drawn up by the floral committee:

BICOLOR

Arthur Unwin
Mrs. Andrew Ireland
Colleen

BLUE

Flora Norton Spencer
Mrs. G. Charles
*Lord Nelson

BLUSH

Mrs. Hardcastle Sykes
Princess Victoria

CERISE

Cherry Ripe
Chrissie Unwin
*Coccinea

CREAM, BUFF, AND IVORY

Clara Curtis
Paradise Ivory
*James Grieve

CREAM-PINK

Mrs. Hugh Dickson
Gladys Burt
Constance Oliver

MAUVE

Tennant Spencer
Helio-Paradise
*Mrs. Walter Wright

ORANGE-PINK

Helen Lewis
*Miss Willmott

ORANGE-SCARLET

Dazzler
Edna Unwin
St. George

PICOTEE EDGED
(Cream Ground.)

Mrs. C. W. Breadmore
Evelyn Hemus

PICOTEE EDGED
(White Ground.)

Elsie Herbert
Mrs. Townsend
*Dainty

PINK AND SALMON-PINK

Countess Spencer
Zarina
*Prima Donna

CRIMSON

King Edward Spencer
*King Edward VII

FANCY

*Sybil Eckford

LAVENDER

Masterpiece
Asta Ohn
Frank Dolby
*Lady Grisell Hamilton

LILAC SHADES

Mrs. R. H. Carrad

MAGENTA

Menie Chistie

MARBLED

Helen Pierce

MAROON

Nubian
Othello Spencer
Tom Bolton
*Hannah Dale

ROSE AND CARMINE

John Ingman
Marie Corelli
*Prince of Wales

SALMON SHADES

Earl Spencer
Nancy Perkin
*Henry Eckford

SCARLET

Doris Burt
George Stark
(1908 medal stock)
*Queen Alexandra

STRIPED AND FLAKED
(Purple and Blue.)

Suffragette
*Prince Olaf

STRIPED AND FLAKED
(Red and Rose.)

America Spencer
Aurora Spencer
*Jessie Cuthbertson

WHITE

Etta Dyke
Nora Unwin
*Dorothy Eckford

Too-much-alike Varieties

The following varieties have been bracketed as too-much-alike. "*Not more than one of the bracketed varieties shall be shown on the same competitive stand at any exhibition of the National Sweet Pea Society.*" The names are placed in alphabetical order.

BLUE

Anglian Blue
Flora Norton Spencer
Kathleen McGowan
Shawondasee
Zephyr

BLUSH

Bobby K.
Countess of Northbrook
Florence Morse Spencer
Mrs. Hardcastle Sykes
Princess Victoria

Blush Spencer
Lady Althorp
Mrs. T. G. Baker
Paradise Regained
Sankey Spencer

CHOCOLATE FLAKED

President
Senator Spencer
W. R. Beaver

CREAM-PINK

A. B. Bantock
Earl of Plymouth
Holdfast Belle
Mrs. Henry Bell
Mrs. Routzahn
Queen (Sutton's)
Romani Rauni
W. T. Hutchins

Constance Oliver
Nell Gwynne

CREAM-PINK (deep)

Anglian Pink
Doris Usher
Miriam Beaver
Mrs. R. Hallam
Syeira Lee

CRIMSON

Dodwell F. Browne
G. C. Waud
King Alfonso
King Edward Spencer
Paradise Crimson
Rosie Gilbert
Sunproof Crimson
Sunproof King Alfonso
The King

IVORY

Paradise Beauty
Paradise Ivory
Queenie
Sea Foam

LAVENDER

Asta Ohn
Frank Unwin
Masterpiece
Mrs. Chas. Foster
Mrs. E. Noakes

MAGENTA

Menie Christie
Mrs. Charles Mander

MAROON

Anna Lumley
Black Knight Spencer
Douglas Unwin
Dusky Monarch
Maroon Paradise
May Gerhold
Nubian
Othello Spencer
Silas Cole
Tom Bolton

MAUVE

Amethyst
Empress
Helio-Paradise
Ida Townsend
Mrs. Walter Wright
Spencer
Queen of Norway
Tennant Spencer
The Marquis
Wenvoe Castle

ORANGE-PINK

Anglian Orange
Edrom Beauty
Helen Grosvenor
Helen Lewis
Maggie Stark

ORANGE-SCARLET

Dazzler
Edna Unwin
Gordon Ankentell
Ruby (Aldersey)
St. George
Thos. Stevenson

PICOTEE EDGED
(Cream Ground.)

Evelyn Hemus
Mrs. C. W. Breadmore

PICOTEE EDGED
(White Ground.)

Dainty Spencer
Distinction
E. J. Deal
Elsie Herbert
Picotee
Winifred Deal

PINK

Countess Spencer
Enchantress
Paradise
Pink Pearl

RED FLAKE

America Spencer
Lizette Lumley
Mrs. Wilcox
Paradise Red Flake
Uncle Sam
Yankee

ROSE AND CARMINE

Albert Gilbert
Lady Farren
Marie Corelli
Marjorie Willis

E. J. Castle
George Herbert
John Ingham
Mrs. W. King
Paradise Carmine
Spencer Carmine

SALMON

Earl Spencer
Nancy Perkin
Stirling Stent

SALMON FLAKE

Magnificent
Mrs. W. J. Unwin

SCARLET

Doris Burt
George Stark
Scarlet Monarch

WHITE

Etta Dyke
Freda
Moneymaker
Nora Unwin
Paradise White
Purity
Snowflake
White Spencer
White Waved

YELLOW AND BUFF
(Grandiflora.)

Harold
James Grieve
Mrs. Collier
Mrs. A. Malcolm
Safrano
Yellow Hammer

YELLOW AND BUFF
(Waved.)

Clara Curtis
Giant Cream Waved
Mrs. Miller
Paradise Cream
Primrose Paradise
Primrose Spencer
Primrose Waved
Princess Juliana
Waved Cream (Malcolm's)



Erica gracilis nivalis—Pure White

Advertisers are reminded that
Christmas Stock
should be offered for sale Now
as the prudent dealer will have his display ready for customers fully two weeks before Christmas.
¶ To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.
Pubrs. THE FLORISTS' EXCHANGE, P. O. Box 1697, NEW YORK CITY

Stray Notes from Abroad

BY T. A. WESTON

I was much interested in your articles on hardy perennials, and I am sure you are doing the right thing in giving these flowers full notice, for it must be patent to all that the cut flower men and seedsmen must share with the nurserymen the advantages presented by the florist business in a country like yours. With so many Americans touring Europe, where gardens are practically a part of everyday life, it must naturally follow that the demand for garden flowers in America will continuously increase, and no class of plants will give the same returns for so little labor as the hardy perennial.

Popularity of Ericas

Reference has been made in these notes to the popularity of Ericas on this side, and I see no reason why they should not be equally as popular on your side, for the numerous varieties give a blooming season from September to May, commencing with E. gracilis, and winding up with the Cavendishii type. Ericas are not everyone's flowers, however, for some people cannot grow them, the water at times being blamed. Strangely, all the finest Ericas in our markets are grown in the London district, or within a 10 or 12 mile radius. Growers very near the big city, though, are not able to flower Ericas after the foggy season begins, and Maller & Son (referred to a short time since) find it an advantage to clear out all their later flowering sorts by auction. So far as growing the plants is concerned, this firm cannot be surpassed, and I am sending a photo of one of their plants in a 48 size pot. The variety is E. gracilis nivalis, a pure white form, and the first to bloom. There are, of course, many hardy Ericas, but these are not cultivated in pots as are gracilis, hyemalis, Cavendishii and others, all worthy of extended culture in America, for with your pure air they ought to do well.

Asplenium a Leading Fern

Despite the triumphant progress of the Nephrolepis exaltata and its sports, the Asplenium still holds its own as one of the finest market Ferns. Indeed, it would seem as though the many additions of varieties of Nephrolepis had made no difference in our markets, for where one sees a dozen Nephrolepis he may expect to see a thousand Pteris or Aspleniums. The reason is not far to seek, for Nephrolepis, apart from the old exaltata form, will not stand the buffeting and rough treatment accorded to the Pteris and Aspleniums in the average hotels and dwelling-houses. Asplenium divaricatum may be reckoned as being one of the three leading Ferns, and for every purpose it is hard to beat. A few growers have had trouble with it, owing to the Fern mite, but this pest is not so serious that it cannot be exterminated. The plant shown in the photograph herewith has been in my possession for the past two years, getting no better attention than a plant usually receives in an ordinary room. It will be observed that the old fronds produce tiny plantlets, but the growers raise the plants from spores in the ordinary way.

New Delphiniums

I note, on page 472, that praise is given to Delphinium Belladonna, and reference is made to its nonseeding. While this has hitherto been acknowledged, I would say that one or two people have succeeded in saving seed, and a novelty now being offered, both as plants and seed, is Fanny Stormonth. This novelty was secured from seed saved from Belladonna, and it possesses all the characteristics of the parent, with these additions: It grows 6 ft. tall, with flowers very much larger and of better substance, and it blooms three weeks earlier than the average variety. The flowers are of exactly the same color as the parent. The seed is put up in trade packets at 2s. 6d. and 5s. each.

I might also mention that we already have an improved Belladonna, known as Belladonna superba, or grandiflora; and also a semi-double form, known as Belladonna superba semi plena. Both these are magnificent. While it is possible to get Delphiniums from seed, it is not often that one secures anything of superlative merit, such as we have in the variety Rev. Lascelles, unquestionably the finest blue and white variety, and surpassing the popular King of Delphiniums.

The great novelty of the coming season, however, is Delphinium Moerheimii, the only really pure white; this novelty must be seen to be appreciated.



Asplenium divaricatum

Obituary

Miss M. M. B. Rodman

At her home in Washington, N. C., Sept. 23, 1910, passed away Miss M. M. B. Rodman in the 92d year of her age. A florist for over forty years, she encouraged and established a love of flowers and horticulture in this, her native section of the State.

Prosper J. Berckmans

Prosper Julius Berckmans, of the P. J. Berckmans Co., Fruitland Nurseries, Augusta, Ga., died in Augusta, on Nov. 8, in his 81st year.

Mr. Berckmans was born at Aerschot, near Brussels, Belgium, his family being one of the oldest in that country. His educational advantages were of the best, and he graduated with the Bachelor's degree in his native country, subsequently finishing his studies in France. His father, Dr. Louis Berckmans, was a gentleman of great prominence in agricultural and horticultural matters, and his friends were among the most cultured and eminent amateur pomologists of that time and place. So it seems that young Prosper grew up in a horticultural and pomological atmosphere, his after life being a natural consequence of these early influences.

His first work in this line was performed at the age of eighteen, when he assisted his father and Alexander Bivort in preparing the "Album de Pomologie," then the best and most complete pomological work extant, and even now a standard authority.

In 1851, Dr. Louis Berckmans came to America, bought a large estate at Plainfield, N. J., and proceeded to improve it. He brought from Belgium his large collection of fruit trees, containing the largest collection of Pears known in Europe. His son joined him, and they made New Jersey their home for six years, but the climate was so severe that they moved South in 1857, and purchased "Fruitland," near Augusta, Ga. The property was improved, beautified and extended.

Anxious to show his friends of the South what resources were within their reach, the deceased gentleman called together a few sympathetic and interested parties, and the organization of the Georgia State Horticultural Society was the result. This was in 1876. He was elected the first president, and held the position up to the time of his death.

Mr. Berckmans originated and disseminated many valuable new fruits, and his establishment became known throughout the civilized world.

He did a great deal to promote the interests of the horticultural literature of the South. His articles were published and read with equal avidity. For several years he edited the Farmer and Gardener, which was published in Augusta. From his first connection with the American Pomological Society, in 1860, his abilities met with recognition, and important duties were assigned him. He rose steadily from one office to another in that organization, until he became its honored president.

Mr. Berckmans was endowed with a graceful, commanding figure, and a charming personality. His death will be generally regretted in horticultural circles.



The Late Prosper J. Berckmans

New Haven (Conn.) Hort. Soc.'s Show

The tenth annual exhibition of the New Haven Horticultural Society was held in Music Hall, New Haven, Conn., Nov. 1 to 3. The hall proved most commodious, easy of access, and in every way well fitted for a horticultural exhibition. The "Eagles" had recently used this hall, and had literally covered the ceiling and galleries with American flags, blue and white bunting, and large golden eagles, and at the request of John N. Champion, the popular New Haven florist, who is president of the Horticultural Society, the decorations were kindly allowed to remain until after the show. Consequently, it was a case of beautiful flowers in one of the most elegantly decorated halls which Connecticut has ever seen. Much credit is due to Mr. Champion and to Secretary Frederick H. Wirtz and their able co-workers for their unremitting labors, which contributed so much toward making the exhibition a success, especially in these days when so many other shows are on in near-by towns and cities.

Among the notable exhibits might be mentioned a splendid circular group of Palms and rare decorative plants, occupying the center of the hall, shown by David Kydd, gardener to Mrs. Francis Wayland, New Haven.

The staging of a collection of Orchids, in pots, by J. T. Burns, gdr. to Miss C. A. Bliss, New Canaan, Conn., was very meritorious, and also was that of Adam Paterson, gdr. for Miss M. T. Cockcroft, Saugatuck, Conn. Albert Bieschke, gdr. for the Ziegler Estate, Noroton, Conn., showed an elegant pair of very large Phœnix Roebelenii Palms, and also carried off the Adam Paterson prize for the largest Chrysanthemum, with an immense bloom of F. S. Vallis, and for the best 18 Chrysanthemum blooms of 18 varieties. Robert Paton, gdr. to Mrs. T. G. Bennett, New Haven, Conn., exhibited a wonderfully large and perfect specimen of Cibotium Schiedei. James McGregor, gdr. for C. S. Mellon, Stockbridge, Mass., showed a very perfect specimen of branched Ficus elastica of gigantic size. The Elizabeth C. Shettler prize was carried off by J. T. Burns, gdr. for Miss Bliss, with 12 vases of very pretty single Chrysanthemums. The fact is that the name of Miss Bliss, J. T. Burns, gdr., appeared so often in the list of awards that one might almost call the show a "Bliss-full" exhibition. Miss Bliss, by the way, seems to be carrying away many honors wherever her exhibits are made.

There was a very creditable showing of Violets, and the honors in this class were taken by Miss L. P. Childs, New Canaan, Conn., Wm. Maginniss, gdr., and by Thomas Bell, gdr. for Frederick Sturgess of Fairfield, Conn.

J. A. Long, East Haven, Conn., captured both first prizes for white and pink Tea Roses. Adam Paterson, gdr. for Miss M. T. Cockcroft, was a winner of many prizes.

Thos. B. Meehan & Sons, Germantown, Pa., received a well-deserved certificate of merit for a collection of 25 varieties, of very pretty hardy Pompon 'Mums, which were tastefully staged. A. N. Pierson, Cromwell, Conn., showed, for exhibition only, six vases of yellow 'Mums, Nagoya, Golden Eagle and Maj. Bonnaffon. The Elm City Nursery Co., New Haven, Conn., showed, for exhibition only, two perfect specimens of pyramidal Bay Trees, each 14 ft. high, and two equally fine specimens of standard Bays, each 10 ft. high.

John N. Champion fairly outdid himself, and that is saying a great deal, by placing, in different parts of the hall, six very effective groups of specimen Palms, Ferns and other decorative plants.

The judges were: J. F. Huss, Hartford, Conn., Charles E. Keith, Bridgeport, Conn., and W. J. Stewart, Boston, Mass.

The awards were as follows:

Special Prizes

Lord & Burnham Co., gold medal, for the most meritorious exhibit—Mrs. Francis Wayland, New Haven, Conn., gdr. David Kydd, with a circular group of Palms and decorative plants.

Miss Elizabeth C. Shettler, New York; for 12 vases of single Chrysanthemums, distinct vars.—Miss M. T. Cockcroft, Saugatuck, Conn., gdr. Adam Paterson, with Kitty Bourne, Grace Lambert, Autumn, Mistress E. Roberts, Laurie Hern, H. W. Smith, Chas. Graves, Mary Richardson, Whyndtham.

Adam Paterson, Saugatuck, Conn.; for the largest Chrysanthemum bloom, 12 inch stem—William Ziegler Estate, Noroton, Conn., gdr. A. Bieschke, with F. S. Vallis.

Peter Henderson & Co., New York, N. Y.; 12 blooms of Chrysanthemums, introductions of this year, not less than 6 vars.—Miss C. A. Bliss, New Canaan, Conn., gdr. J. T. Burns, with R. Vallis, F. S. Vallis, Glenview, Mrs. D. B. West, W. Mease, Onunda, Mary Donnellan, Mrs. David Syme, Leslie Morrison, Pockett's Surprise, M. L. Rousseau, Howard Gould, Miss Alice Lemon, Miss Alice Finch.

Charles H. Totty, Madison, N. J.; for best 6 blooms of Chrysanthemum R. F. Felton—Miss C. A. Bliss.

W. W. Rawson & Co., Boston, Mass.; silver medal to the competitor scoring greatest number of points—Miss C. A. Bliss.

Best collection of Orchids—1, Miss C. A. Bliss; 2, Miss M. T. Cockcroft.

Best specimen Palm, any var.—1, Mrs. Francis Wayland, with Chamærops excelsa; 2, Mrs. T. G. Bennett.

Best specimen tree Fern, any variety—1, Mrs. T. G. Bennett, with Cibotium Schiedei.

Best specimen rubber plant—1, C. S. Mellon, gdr. James McGregor, with a branched Rubber 10 ft. high; 2, James Bruce, New Haven, Conn.

Best specimen Boston Fern—James Bruce.

Best specimen Adiantum Fern, any var.—Mrs. T. G. Bennett.

Best 3 greenhouse foliags plants, distinct species—Mrs. Francis Wayland,

Best 6 Ferns, 6 species, in pots or pans not over 12 ins.—Mrs. T. G. Bennett.

Best collection 9 Nephrolepis Ferns, one of each var., in pots or pans not over 8 ins.—Mrs. T. G. Bennett.

Best 6 Rex Begonias, in pots or pans not over 8 ins., distinct varieties—Mrs. Francis Wayland.

Best 3 Chrysanthemum plants, in pots not over 12 inches dia., single stems, 1 inch to show, distinct vars.—Miss C. A. Bliss, with Brutus and Leila Lyda, both doubles, and Rob Roy a single with over 1000 blooms.

Best specimen standard Chrysanthemum plant, in pot not over 12 ins. dia.—Miss M. T. Cockcroft.

Most artistic basket of berries, flowers and Autumn foliage, open to ladies only—1, Miss L. Brauer, New Haven, Conn.; 2, Mrs. Wm. Radon, New Haven, Conn.

Best 3 Geranium plants—2, H. P. Brooks, West Haven, Conn.

Best foliage plant not mentioned in above list—Wm. Symons.

Best flowering plant not mentioned in plant section—1, Wm. Symons; 2, H. P. Brooks.

Best bouquet of flowers arranged by, but not necessarily grown by, exhibitor—H. P. Brooks.

Chrysanthemums, Cut Blooms

Best 36 Chrysanthemum blooms, 6 vars., 6 each, not less than 24 in. stems, for the Society's silver challenge cup.—Won for second time by Miss C. A. Bliss, A. Paterson, gdr., and becoming her property, with varieties Lady Hopetoun, C. J. Niel, Beatrice May, Glenview, Mary Donnellan, Simon Joisier.

Best 18 Chrysanthemum blooms, 18 vars., 15 in. of stem, 1 flower to a vase—1, Wm. Ziegler Estate, gdr. Albert Bieschke; among the winners in this fine exhibit were Wells' Late Pink, Miss M. Hankey, Mrs. H. Stevens, Pockett's Crimson, Onunda, Rose Pockett, Nellie Pockett, Rousseau, Cheltoni and Lady Hopetoun; 2, Miss C. A. Bliss.

Best 12 Chrysanthemum blooms, distinct vars.—1, Miss C. A. Bliss; among the winning blooms were Glenview, Rousseau, F. S. Vallis, D. V. West, and Pockett's Surprise.

Best 12 yellow Chrysanthemum blooms, 1 var.—Miss M. T. Cockcroft, with D. J. Niel.

Best vase of 25 Chrysanthemum blooms arranged for effect—1, Miss C. A. Bliss; 2, Miss M. T. Crockcroft.

The Rose and Carnation classes were well filled, first honors going to Mrs. L. P. Childs, J. A. Long, Miss Bliss and Frederick Sturgess.



Japanese Garden—Through the Gate
At the Rochester (N. Y.) Flower Show

Chrysanthemum Exhibition of the Connecticut Horticultural Society

The Chrysanthemum exhibition of the Connecticut Horticultural Society was held at Putnam Phalanx Hall, Hartford, Conn., on Nov. 3 and 4. The spacious hall afforded ample room for staging the exhibits, without crowding. The entries were numerous, and were notable for their high quality; and the competition in the various classes was very close. The attendance was curtailed somewhat by the heavy rain.

One of the conspicuous features of the show was the large number of unusually well grown potted Chrysanthemums, showing a great range in variety and form. In these, John F. Huss, superintendent for James J. Goodwin, Hartford, Conn., carried off the first prize of the Stumpp & Walter Co. special, with a magnificent plant of Mizpah in bush form, and the prize for the three best specimens, distinct varieties, also for best specimen of bush form, and standard form, with plants of great beauty. J. A. Weber, gdr. to Walter L. Goodwin, carried away all the second prizes in the classes mentioned, with plants of such excellence that it was a puzzle to distinguish between the firsts and seconds without looking at the prize cards.

One of the most interesting exhibits staged was a standard Chrysanthemum grafted with thirteen varieties, all in bloom, including the several different types, Pompon, Anemone, Single and Japanese, in many different colors; it was shown by J. A. Weber, and obtained a certificate of merit.

Neil Nelson, horticulturist of the Hartford Retreat, took the first prize for 25 cut blooms of Chrysanthemums, distinct varieties, with blooms of great excellence; and he also carried off many second prizes for cut Chrysanthemums, with blooms very little behind the first prize winners.

Charles Thomas Beasley, gdr. for Mrs. Wm. C. Lanman, Norwich, Conn., took a number of first prizes, with exhibits of uptodate blooms of great beauty, covering himself as it were with Chrysanthemum glory.

Alfred Cebelius, gdr. for Prof. M. W. Jacobus of Hartford, captured the first prize for the three best bronze Chrysanthemums with some very fine blooms of Glenview, and also several second prizes for cut blooms. A splendid bloom of F. S. Vallis, shown by Mrs. W. L. Cushing took the first prize for the best reflexed Chrysanthemum.

George G. McClunie, florist, 175 Main st., Hartford, won the first prize for the best floral piece of Chrysanthemums, with a 30 in. standing wreath, which was exceedingly well done, yellow and white blooms and Adiantum being used in the wreath, and the same blooms with Nephrolepis in the foot of the stand.

The A. T. Boddington special for 12 best and for 18 best vegetables was taken by Walter Angus of Chapinville, Conn., and the special for 24 best vegetables by John F. Huss.

George W. Smith showed a very tastefully staged collection of fruit from his "Eden Farm" at Melrose, Conn., taking first prize.

A very meritorious collection of Roses, including My Maryland, Kaiserin, Richmond, white and pink Killarney brought a certificate of merit to Carl Peterson, manager of the Whiting Greenhouses, West Hartford.

Mention should not be omitted of a circular group, occupying the center of the hall, of choice Palms, and a large variety of beautiful foliage and flowering plants, shown by John F. Huss; and also a splendid collection of Palms and Ferns shown for exhibition only by John Coombs, the Hartford florist.

Great credit is due to John F. Huss, the president, and to George W. Smith, the secretary, to the private gardeners and commercial growers in and about Hartford for not the largest, but for one of the best Chrysanthemum shows seen so far this year.

George B. Baker of New Britain was the floor manager during afternoon and evening. The judges were Robert Paton and John H. Murray of New Haven, and the awards were as follows:

Awards

Professional Class.

Best three specimen plants, distinct varieties, in pots not exceeding fourteen inches in diameter—1, John F. Huss, superintendent for James J. Goodwin of Hartford, with Dr. Enguehard, Mrs. Jilkins, Mr. G. Pitcher; 2, J. A. Weber, gdr. for Walter L. Goodwin of Hartford.

Best specimen standard, distinct variety—1, John F. Huss, with Dr. Enguehard; 2, J. A. Weber.

Best specimen bush plant, to show at least one-inch stem, not exceeding fourteen-inch pot—John F. Huss, with Dr. Enguehard.

Best twelve single stem, distinct varieties, not exceeding six-inch pots—J. A. Weber, with O. H. Broomhead, Leila Lilkans, Kitty Lawrence, Appleton, Glenview, Mrs. J. Trantor, Valerie Greenham, T. Carrington, Dr. Enguehard, Mrs. M. R. Plant; 2, Niel Nelson, horticulturist of the Hartford Retreat.

Best six single stem, six distinct varieties, not exceeding six-inch pots—J. A. Weber, with Broomhead, Roosevelt, Enguehard, M. F. Plant, Valerie Greenham, Timothy Eaton.

Best twelve Pompons, distinct varieties, not exceeding six-inch pots—John F. Huss.

Best three specimen Pompons not exceeding twelve-inch pots—John F. Huss, with Prince of Orange, Julia Lagravere, St. Crouts.

Best specimen Pompon not exceeding twelve-inch pot—1, J. A. Weber, with Savanna; 2, John F. Huss.

Best twenty-five cut blooms, distinct vars.—1, Niel Nelson, most conspicuous among these were Glenview, Mary Donnellan, Ongawa, T. Carrington; 2, John F. Huss.

Best twelve cut blooms, distinct vars.—1, Charles Thomas Beasley, gdr. for Mrs. William C. Lanman of Norwich, most conspicuous of these were Appleton, Merza, Mrs. Henry Partridge, Rose Pockett, Mary Mason; 2, J. A. Weber.

Best six cut blooms, distinct varieties—1, Charles Thos. Beasley, with Appleton, Mary Mason, J. C. Neil, Nellie Pockett, Glenview, Merza; 2, Alfred Cebelius, gdr. for Professor M. W. Jacobus of Hartford.

Best six yellow blooms—1, Charles Thos. Beasley, with Col. Appleton; 2, Mrs. W. L. Cushing, Thos. Stentiford, gdr., Simsbury.

Best six red blooms—1, Charles Thomas Beasley, with Mrs. Henry Partridge; 2, Niel Nelson.

Best six white blooms—1, Charles Thomas Beasley, with Merza; 2, Walter Angus of Chapinville.

Best six pink blooms—1, Walter Angus, with M. Hankey; 2, John F. Huss.

Best six bronze blooms—1, Charles Thomas Beasley, with Glenview; 2, Niel Nelson.

Best six blooms, any other color—1, Charles Thomas Beasley, with Nellie Pockett; 2, Walter Angus.

Best three yellow blooms—1, Charles Thomas Beasley, with Col. Appleton; 2, Alfred Cebelius.

Best three red blooms—1, Charles Thomas Beasley, with Mrs. Henry Partridge; 2, Mrs. W. L. Cushing.

Best three white blooms—1, Charles Thomas Beasley, with Merza; 2, Walter Angus.

Best three pink blooms—1, Charles Thomas Beasley, with Alice Lemon; 2, Niel Nelson.

Best three bronze blooms—1, Alfred Cebelius, with Glenview; 2, Charles Thomas Beasley.
Best three blooms, any other color—1, Walter Angus; 2, Mrs. W. L. Cushing.
One best incurved, any color—1, Mrs. W. L. Cushing, with Glenview; 2, Alfred Cebelius.
One best reflexed, any color—1, Mrs. W. L. Cushing, with F. S. Vallis; 2, Charles Thomas Beasley.
Best floral piece of Chrysanthemums—1, George G. McClunie; 2, Niel Nelson.

Open Classes

Best standard, any variety, twelve-inch pot—1, John F. Huss, with Miss Georgiana Pitcher.
Best specimen plant, Anemone, not exceeding twelve-inch pot—1, J. A. Weber, with Garza; 2, John F. Huss.
Best specimen plant, single, not exceeding twelve-inch pot—1, John F. Huss, with Ladysmith; 2, J. A. Weber.
Best twelve plants, Anemone, six-inch pots—1, John F. Huss.
Best collection of sprays, single—1, Warren S. Mason of Farmington, with 32 varieties.
Best collection of cut Pompons—1, Warren S. Mason, with 30 varieties.
Group of Chrysanthemums, Ferns and foliage plants—1, John F. Huss.
Best vase of Carnations, not yet in commerce—1, Terry & Peck of Bristol, with a very large fragrant white seedling of great beauty.
Best bunch of Violets—1, Whiting's Greenhouse, Carl Peterson, Manager, West Hartford, with Lady Hume Campbell.
Best two specimen plants of Begonia Lorraine, pink—1, Mrs. W. L. Cushing; 2, John F. Huss.
Best two specimen plants of Begonia Lorraine, white—1, John F. Huss; 2, Niel Nelson.
Best two specimens of Ferns, any variety—1, John F. Huss, with Nephrolepis Scholzeli and Nephrolepis Alberti.
Best specimen of Palm—1, John F. Huss.
Best vase of Cosmos, Lady Lenox—1, John F. Huss.
Best collection of fruits—1, George W. Smith of Melrose; 2, Walter Angus.

Special

(By Stumpp & Walter Co. of New York.)
For best trained Chrysanthemum plant, standard or bush form—1, John F. Huss, with Mizpah; 2, J. A. Weber.

For Commercial Growers Only.

Best collection of Carnations, six varieties—1, Terry & Peck, with White Perfection, Rose Pink Enchantress, White Enchantress, Mrs. C. Ward and Enchantress.

Vegetables

(Specials by Arthur T. Boddington of New York.)
Best twelve vars.—1, Walter Angus, 2, J. A. Weber.
Best eighteen varieties—1, Walter Angus; 2, John F. Huss.
Best twenty-four varieties—1, John F. Huss.

Gratuities

Diploma to John F. Huss for collection of Orchids. Diploma to John F. Huss for two new Begonias, La Patrie. Certificate of merit to the Whiting Greenhouse, Carl Peterson, manager, for vase of yellow Chrysanthemums. Certificate of merit to the Whiting Greenhouse, Carl Peterson, manager, for collection of Roses. Certificate of merit to J. A. Weber for grafted Chrysanthemum, thirteen varieties. Certificate of merit to Mrs. W. L. Cushing, for pink Begonia Lorraine.

Mt. Kisco (N. Y.) Flower Show

The eighth annual exhibition of the Northern Westchester County (N. Y.) Horticultural and Agricultural Society was held in Whitlock's Garage, Mt. Kisco, Nov. 4-6.

While the number of exhibitors was quite as large as last year, two or three of the larger exhibitors were conspicuous by their absence. This was no doubt due to the fact that the season has been a hard one for the growers of exhibition flowers, and that much fine stock had been reserved for some of the larger shows, held about the same time.

The competition for the Bailey cup, the principal prize always at Mt. Kisco, was narrowed down to two competitors. George Middleton, gdr. to Wm. Rockefeller, Tarrytown, N. Y., was the winner with 24 exceptionally fine blooms, embracing the varieties Miriam Hankey, F. S. Vallis, Merza, J. E. Dunne, Glenview, Beatrice May, F. Payne, Mrs. Wm. Duckham, Mrs. H. Stevens, Wm. Mease, Rousseau, and Mary Masou. Not only was this exhibit the best in its class, but easily the best in the exhibition.

A. L. Marshall, gdr. to Col. Wm. Jay, Katonah, N. Y., carried off the Society's silver cup for the best 12 blooms with a very creditable exhibit.

The prizes for the best miniature gardeu brought out three entries, and the stagings proved to be one of the best attractions of the show. The Katonah Woods Farm carried off first honors.

There were three entries in the class for table decorations. The tables were set with four plates, no other auxiliaries being allowed.

Roses and Carnations were quite conspicuous in the show. In the plant section, the collection of decorative plants staged by H. A. Spavins, florist, Mt. Kisco, was well worthy of the first honors accorded it.

A heavy rain on the first day cut down the expected attendance, but on the following days the show was well patronized.

The following were the awards:

Chrysanthemums

Best 24 cut blooms, 8 vars., 3 of each—1, Miss C. A. Bliss, New Canaan, Conn., J. T. Burns gdr.; 2, Mrs. J. D. Layng, Mt. Kisco, D. Francis, gdr.
Best 6 white—1, Miss Bliss; 3, Mrs. J. D. Layng.
Best 6 yellow—1, Col. W. Jay, Katonah, A. L. Marshall, gdr.; 2, Mrs. Layng.
Best 6 red—1, Miss Bliss.
Best 6 pink—1, Miss Bliss; 2, Mrs. Layng.
Best 6 any other color—1, Miss Bliss; 2, Mrs. Layng.
Best 20 plants, single stems—1, Mrs. Layng; 2, Katonah Woods Farm, Wm. Will, gdr.
Best specimen bush plant—1, Miss L. P. Child, W. H. McGuinness, gdr.; 2, J. F. Sutton, Duncan Fraser, gdr.; 3, J. B. Harriman, M. J. O'Brien, gdr.
Best 24 cut blooms in not less than 12 vars.; Bailey cup—1, Geo. Middleton, gdr. to Wm. Rockefeller; 2, A. L. Marshall, gdr. to Col. Jay.
Best 12 blooms, not less than 6 vars.—1, A. L. Marshall; 2, D. Francis; 3, Alex. Thompson, gdr. to Moses Taylor, Mt. Kisco.
Best 8 plants, single stem and bloom, not exceeding 3½ ft. from top of pot—1, A. L. Marshall; 2, Wm. Will; 3, D. Francis.
Best 5 plants, 3 flowers each—1, A. L. Marshall.

Plants

Best collection decorative plants, 'Mums excluded—1, H. A. Spavins; 2, Moses Taylor.
Best specimen plant—1, Moses Taylor; 2, H. A. Spavins.
Best 6 plants for table decorations—1, Mrs. Layng; 2, H. A. Spavins.
Best collection of Ferns—1, H. A. Spavins.
Best collection of Begonias—1, Mrs. Layng; 2, H. A. Spavins.
Best 6 plants for house decoration—1, N. Fitzgerald; 2, Moses Taylor; 3, H. A. Spavins.
Best 6 Geraniums—1, N. Fitzgerald.
Best collection of Orchids—1, Miss Bliss; 2, J. A. Manda, West Orange, N. J.; 3, H. A. Spavins.
Best pair of Adiantums—1, Moses Taylor; 2, H. A. Spavins.
Best specimen Fern—J. L. Sutton, Mt. Kisco, Duncan Fraser, gdr.

Miscellaneous

Best miniature garden—1, Wm. Wills; 2, Mrs. A. Iselin.
Best dinner table decoration of cut flowers—1, D. Francis; 2, M. L. O'Brien; 3, Wm. Wills.
Best collection of Orchids; class open to private gardeners only—1, Wm. Will.
Best 12 blooms Carnations—1, Miss Bliss; 2, Mrs. Layng.
Best bunch single Violets—Mrs. Layng.
Best bunch double Violets—Mrs. Layng.

Much credit for the success of the show is due to the committee of arrangements, composed of Wm. Will, D. Francis, A. L. Marshall, and H. A. Spavins, and to Secretary M. Crisman. H. A. Spavins made an efficient manager.

The Government's Annual Chrysanthemum Exhibition

The annual exhibition of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., opened on Nov. 2 with a staging of 110 named varieties of the tall single stem Japanese type, 44 named varieties of Pompons for outside planting, 70 varieties of named seedlings, and 140 unnamed seedlings, all pot grown.

Of the tall growing Japanese type and older sorts, Pres. Taft, Nellie Pockett, and Beatrice May led among the whites, Dazzler as a red, and Col. D. Appleton and Golden King as yellows. In the varieties introduced this season, Elise Papworth, a white; Oroba, clear beautiful white; Alice Lemon, flesh color; Mrs. J. Wells, wine color; Mrs. D. Syme, white; Mrs. H. Stevens, gold salmon brouze; Calvat 189, pink; and W. Mease, dark piuk, gave promise for the commercial field.

A variety, Mrs. Coe, a fine shade of pink, and one of the Department's last year's seedlings named by Dr. Galloway, attained the enormous height of 11 ft., and, therefore, was too tall for the exhibition house. Among the many named Pompons, Alma, a clear light pink; Elva, white; Lodi, yellow; Fred. Peel, shell pink; Inga, bronze; Annie Stevens, single pink; Fairy Queen, clear pink; and Garza, a late white of the Anemone type, were favorites.

Number 46 crop of 1909 seedlings all turned out well, with distinct colors and good formations; all these were originated at the Department. No. 10 a brilliant single red, one of this year's seedlings is in a class to itself, though a number of others from the same seed boxes will be tried further next season.

The arrangement for the exhibition was as usual, with the tall growing varieties down the center near the floor line, while the Pompons occupied the benches on either side of the house.

JAS. L. CARBERY.

The Tarrytown Hort. Soc.'s Flower Show

The twelfth annual exhibition of the Tarrytown Horticultural Society, held at Irvington, N. Y., which closed on Thursday, Nov. 3, was a most successful affair. In addition to the awards mentioned in our last issue, the following were made:

Special Prizes

Society Prize, Silver Medal; for any new flower, foliage, or decorative plant, by resolution of the Society and upon the recommendation of the judges of the exhibit.—F. R. Pierson Co., Tarrytown, N. Y., for Nephrolepis Mossiæ.
F. R. Pierson's Prize, silver cup; for the exhibitor receiving the largest number of prizes, in all classes, during the 3 days of the exhibition—Frederick Potter, Ossining, N. Y., Wm. C. Roberts, gdr.
Miss Blanche Potter's Prize, silver cup and $20; for the best exhibit of 6 blooms Chrysanthemums, distinct varieties, 12 Roses, one variety other than American Beauty, and 12 Carnations, one variety—1, Fred'k Potter; 2, Adolph Lewisohn; 3, Wm. Rockefeller.
Mrs. William Church Osborn's Prize; for the best 36 blooms of Chrysanthemums, 6 vars., 6 of each—1, Wm. Rockefeller; 2, W. A. Read.
William Rockefeller's Prize, silver cup and $10; for the best 18 blooms of Chrysanthemums, 6 vars., 3 of each, stems to be 24 inches in length—1, A. Lewisohn; 2, W. A. Read.
W. A. Read's Prize, silver cup and $20; for the best arranged floral decoration for circular dinner table 6 feet in diameter, seating 12 persons—1, Wm. Brock; 2, Robt. Angus; 3, J. Canning.
An Honorary Member's Prize; for the best vase of 12 blooms of White Killarney Roses—1, Fred'k. Potter; 2, Mrs. F. A. Constable.
J. A. Stillman's Prize; for the best vase of 12 blooms of Richmond Roses—1, Mrs. F. A. Constable.
Lord & Burnham Co.'s Prize, gold medal; for the best 18 Roses, 3 varieties, 6 of each, other than American Beauty—Mrs. Stuyvesant Fish, Wm. M. McBean, gdr.
Richard Langle's Prize; for the best vase of 12 blooms of Pink Killarney Roses—1, Fred'k. Potter; 2, Mrs. F. A. Constable.
Vaughan's Seed Store's Prize; for the best 36 blooms Carnations, 6 varieties, 6 of each, for private gardeners only—1, Geo. Middleton; 2, H. Darlington.
Mrs. Isaac N. Seligman's Prize; for the best basket of cut flowers—1, P. W. Popp; 2, Wm. Brock.
Phillip Jewell's Prize; for the best center piece for table— 1, Allan J. Jenkins; 2, Mrs. M. E. Sand.

Plants in Pots

Most effectively arranged group of Palms, flowering and foliage plants, to occupy space of 100 square feet—1, Joseph Eastman.
Best 6 plants suitable for table decoration, pots not to exceed 5 inches—1, Joseph Eastman; 2, E. H. Weatherbee.
Best 6 Ferns for table decoration, pots not to exceed 6 inches—1, Claude Wilson; 2, Theo. Trevelyon.
Best pair Adiantums, other than Farleyense—1, W. A. Read.
Best plant Begonia Gloire de Lorraine—1, A. Lewisohn; 2, Henry Siegel.

Carnations and Roses—Commercial Growers Only

Best vase of 25 blooms of Carnations, one var.—1, Traendly & Schenck, Rowayton, Conn.
Best vase of 25 blooms of Roses, one var.—1, F. R. Pierson Co.

Huntington (N. Y.) Hort. and Agri. Society's Flower Show

Our Society held a Chrysanthemum exhibition on Nov. 3. The exhibition was not large but of excellent quality. Unfortunately, the heavy storm prevented the public from seeing the exhibition.

Walter Jennings, Richard Cartwright, gdr., won firsts on bush plant, vase 25 assorted, group of plants, 50 sq. ft., vase 6 yellow, vase 6 pink, vase 6 any other, vase 6 assorted, vase singles, best bloom and collection hardy varieties.

August Heckscher, S. Riddell, gdr., won firsts for vase 12 white, vase 12 blooms any other, vase 12 assorted, vase 6 white.

L. D. Hurd won firsts for 12 pots single stems, and vase 12 blooms yellow; H. T. and A. H. Funnell won firsts for pots, single stems and vase 25 yellow.

August Heckscher showed a fine group of Lorraine Begonias and Crotons which was awarded a special prize.

A. H. FUNNELL, Sec.

Chrysanthemum Society of America

Recent work of the examining committee is announced as follows:

Cincinnati, Oct. 29.—Seedling No. 13-09; color white; type Japanese incurved; 77 points commercial scale. Exhibited by Roepke & Rieman Co., Indianapolis, Ind.

Cincinnati, Oct. 29.—Variety Dick Witterstaetter; color crimson; type, Japanese reflexed; 86 points commercial, and 88 points exhibition scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich.

Cincinnati, Oct. 29.—Variety Minta; color pale pink; type Pompon; 82 points. Exhibited by Elmer D. Smith & Co. At New York, Oct. 29, awarded 92 points.

Chicago, Oct. 29.—Variety R. F. Felton; color yellow; type, Japanese incurved; 87 points commercial and 87 points exhibition scale. Exhibited by the E. G. Hill Co., Richmond, Ind.

Chicago, Oct. 29.—Variety Golden Gem; color yellow; type, incurved; 89 points commercial. Exhibited by the E. G. Hill Co.

Morristown, N. J., Nov. 2.—Variety Tarrytown; color pink; type, Japanese; 69 points exhibition scale. Variety Poughkeepsie; color sulphur yellow; type, Japanese incurved; 73 points exhibition scale. Variety Lenox; color yellow; type, Japanese; 87 points exhibition scale. All exhibited by Elmer D. Smith & Co., Adrian, Mich.

More Parisian Dahlias

A new lot of Parisian Dahlias (that remarkable new race of striped Dahlias which we illustrated in The Florists' Exchange, issue of May 21), was recently exhibited before the French National Society of Horticulture by the originators, Messrs. Millet & Son, Bourg-la-Reine, France, namely:

Les Tuileries (The Tuileries) has a large flower, carried erect on a straight stem; the petals are white, with a peach pink border.

Métro has a very large, shapely flower, rising well above the leaves, with dark brown petals bordered with rosewood red.

Le Sénat (Senate) has large white flowers, bordered with dark prune color.

Bagatelle has pointed petals, straw colored, bordered with brownish orange yellow.—*Revue Horticole.*

Hort. Society of New York's Fall Exhibition

The annual Fall exhibition of the Horticultural Society of New York opened at the American Museum of Natural History, 77th st. and Columbus ave., New York, on Wednesday evening, Nov. 9, to continue up to and including Sunday, Nov. 13. With another flower show opening in the city at the same time, and the strike of the express companies' employees at its height, the exhibition suffered somewhat in regard to the number of exhibits staged, but was, nevertheless, a most excellent one. The beautiful foyer of the Museum, with the main floors of the east, west and north wings were occupied by exhibits, and some of the stagings were grand. The foyer was taken up largely with plant groups and specimen bushes of Chrysanthemums, the whole presenting an exceedingly handsome appearance. The Carnations and Roses took up the greater part of the east wing, and the cut blooms of Chrysanthemums of all kinds were staged in the west wing. Wednesday evening was set apart for the friends of members of the Society, upward of 2300 invitations being sent out for this private view. The opening to the public was on Thursday, and the admission was entirely free, a fact which was fully appreciated, as could be seen by the crowds of visitors.

In the Carnation classes there was keen competition. The Cottage Gardens Co. of Queens, L. I., N. Y., staged a splendid lot of flowers in the class for the best and largest collection, not less than 25 of a kind, for which was awarded a silver medal. Traendly & Schenck of Rowayton, Conn., Samuel Redstone, grower, also made an excellent exhibit in this class. The sweepstakes prize, a silver medal, for the finest vase of Carnation blooms, went to Traendly & Schenck, who staged a magnificent vase of the variety Mrs. C. W. Ward. This is probably the first time that this variety has received such honors staged by others than its originators, the Cottage Gardens Co., and shows that it can be depended upon for results. The same vase won first for the best 100 blooms Lawson shade. Charles Weber of Lynbrook showed an excellent vase of the new pink Carnation Brooklyn, the color showing up beautifully under the artificial lighting.

The F. R. Pierson Co., Tarrytown, N. Y., staged a beautiful vase of 100 White Killarney Roses, winning the first prize in its class. The same company also won the first prize for 100 American Beauty, with flowers of fine quality.

R. Vincent, Jr. & Sons Co., White Marsh, Md., exhibited a most excellent collection of Hardy Pompon, Single and Anemone Chrysanthemums, a whole show in themselves.

In the Chrysanthemum cut flower class Traendly & Schenck carried off the first prize for the best vase of 50 blooms, one or more varieties, arranged for effect. The varieties were Timothy Eaton and Col. Appleton, tastefully arranged with Oak foliage, the height of the filled vase from the floor fully 9 ft. The first prize for a vase of 25 blooms one or more varieties, arranged for effect, was taken by H. M. Fulford, Jas. Tansey, gdr., Tuxedo, N. Y., who also used Oak foliage for decorative effect.

A most pleasing exhibit in the foyer was one of Begonia Gloire de Lorraine, staged by Adolph Lewisohn, Ardsley, N. Y. It consisted of one plant of immense size and perfectly flowered, suspended from a slender iron post with curved top and covered with Smilax, presenting a most handsome appearance.

In the Orchid section the stagings were more than ordinarily numerous, but groupings of the magnitude of those seen at the show last year were conspicuous by their absence. The first prize for the best collection of Orchids, not less than 25 species and varieties, species to be considered in preference to varieties, covering 50 sq. ft. of table space, was won by Lager & Hurrell, Summit, N. J.

In the plant section a large group of Ficus pandurata, staged by Bobbink & Atkins, attracted considerable attention, the plants well arranged and proportioned in a circular formation. There were numbers of other creditable exhibits in this section, the classes in which were quite numerous.

The exhibition committee was composed of F. R. Pierson, chairman, George V. Nash, secretary, A. L. Miller, J. E. Lager, F. H. Traendly, Peter Duff, P. O'Mara, J. A. Manda, and James Stuart. J. A. Manda was manager of the show and deserves much credit for the excellent arrangement of the exhibits.

A full list of the awards will appear in our next issue.

Flower Show of the Pennsylvania Hort. Society

The annual Autumn exhibition of this Society was held Nov. 8 to 11, at Philadelphia in Horticultural Hall, which, in all its appointments is most admirably suited for horticultural exhibition purposes.

The excellent system pursued, the result of the many years' experience of David Rust, the secretary of this Society, enabled him and the committee on arrangements and superintendence to have all exhibits staged by the appointed hour, namely two o'clock Tuesday p.m.

The judges began work with commendable promptness at that hour, and finished their duties by 5 p.m., so that the exhibition was in a condition to be thrown open for the public at 6 p.m.

The entries were numerous, nearly every class being filled. The quality of the plants, blooms and also of the vegetable and various trade exhibits, was of a high order. The officers of the Society and the exhibitors may be heartily congratulated on one of the banner Autumnal shows of 1910.

In the vestibule of the lower hall, on the right, was the Henry A. Dreer exhibit of Bay trees and Boxwoods in different shapes. On the left, occupying a space of about 20 ft. x 20 ft., was the exhibit of Henry F. Michell Co., in charge of Philip Freud, who also arranged it. On the right and left of the entrance into this space were shown Lawn Grass seeds, in the center bulbs, and on the four sides all kinds of garden, lawn and greenhouse requisites. The exhibit was well arranged and was lighted up by electrically illuminated bunches of Grapes.

Within the lower hall, in charge of Charles A. Gowdy, was shown, under the auspices of the Henry F. Michell Co., a very pretty collection of blooms of 100 varieties of hardy 'Mums from R. Vincent, Jr. and Sons Co. of White Marsh, Md. Still further within the hall, on two tables 8 ft. x 20 ft., was a very full exhibition of all kinds of vegetables brought out by the Michell prizes.

The Henry A. Dreer Co. prizes, as well, brought out an exhibit of vegetables of extraordinary quality, covering two immense tables. This firm also showed about 100 vases of hardy 'Mums, among which were many beautiful blooms, also, in front of the stage, was a large and very attractive exhibit of decorative foliage plants in variety, and still another exhibit included a full line of bulbs, and lawn, greenhouse, and garden requisites.

Thos. B. Meehan & Sons, Germantown, Pa., showed a large and well-arranged group of Boxwoods, Privets, and trained English Ivies, and a pretty collection of some fifty or more varieties of hardy 'Mums.

Wm. H. Moon Co., Morrisville, Pa., were represented by a nice collection of evergreens.

The W. Atlee Burpee & Co. prizes, brought forth not only an exhibit of vegetables, but a wonderful show of Pumpkins, Squash and Gourds.

The Hosea A. Waterer prizes, too, called out a good vegetable display and he, also, made an exhibit of good bulbs.

The Landreth Co.'s display of "pedigree" seeds was an attractive feature.

Connard & Jones, West Grove, Pa., showed four potted Canna plants well covered with gorgeous blooms.

An ingenious device was that of a very practical and effective adjustable vase and pot holder for cemetery use, the proprietors of which are Adolf Müller and Elof Klein, 57 E. Main st., Norristown, Pa.

In the upper hall the private gardeners held full sway. Here the Chrysanthemum plants and cut blooms were of a very high order indeed. So far as quality was concerned nothing better has been seen by the writer anywhere this season. The groups of Palms, Ferns, and decorative plants were wonderfully beautiful, and surpassed easily anything seen at other shows this year.

Among the most beautiful of the pot Chrysanthemums were three plants shown by David Ingam, gdr. for Mrs. Joseph F. Sinnott, Rosemont, Pa., of Enguehard, Silver Queen, and Mrs. Jos. F. Sinnott; six plants of Lynnwood Hall, shown by Wm. Kleinheinz, gdr. for P. A. B. Widener, Ogontz, Pa.; six plants of Mrs. Wm. Duckham shown by Axel Lindroth, gdr. for Mrs. R. B. Ellison; six plants of Glenview shown by Wm. Kleinheinz; six plants of single varieties, shown by Wm. Robertson, gdr. for John W. Pepper.

Among the cut blooms of Chrysanthemums especially fine were five blooms of Col. Appleton shown by Thomas Long, gdr. for Geo. W. Childs Drexel, Bryn Mawr, Pa.; five blooms of O. H. Broomhead, shown by Wm. Morton, gdr. for Craige Lippincott, Meadowbrook, Pa., five blooms of Nellie Pockett, shown by Wm. Robertson.

Of the many beautiful groups of decorative plants and single specimens exhibited it is difficult to select a few for mention; all of them were so meritorious. Especially so were six Caladiums shown by John H. Dodds, gdr. for John Wanamaker; six plants of Crotons, each 5½ ft. high, shown by John Hobson, gdr. for Edward A. Schmidt, Radnor, Pa.; six Ferns, the largest and finest grown ever seen by the writer, shown by Geo. W. Childs Drexel; twelve ornamental foliage plants shown by John W. Pepper, Jenkintown, Pa.; two Palms, one of which was the rare and beautiful Kentia Belmoreana rubicaulis, shown by Geo. W. Childs Drexel.

The Thomas Meehan & Sons' silver cup, offered for the best 25 varieties of hardy Pompon Chrysanthemums, was taken by John W. Pepper.

The Committees for Awarding Premiums, and the awards made at the end of the first day were as follows:

Committees for Awarding Premiums

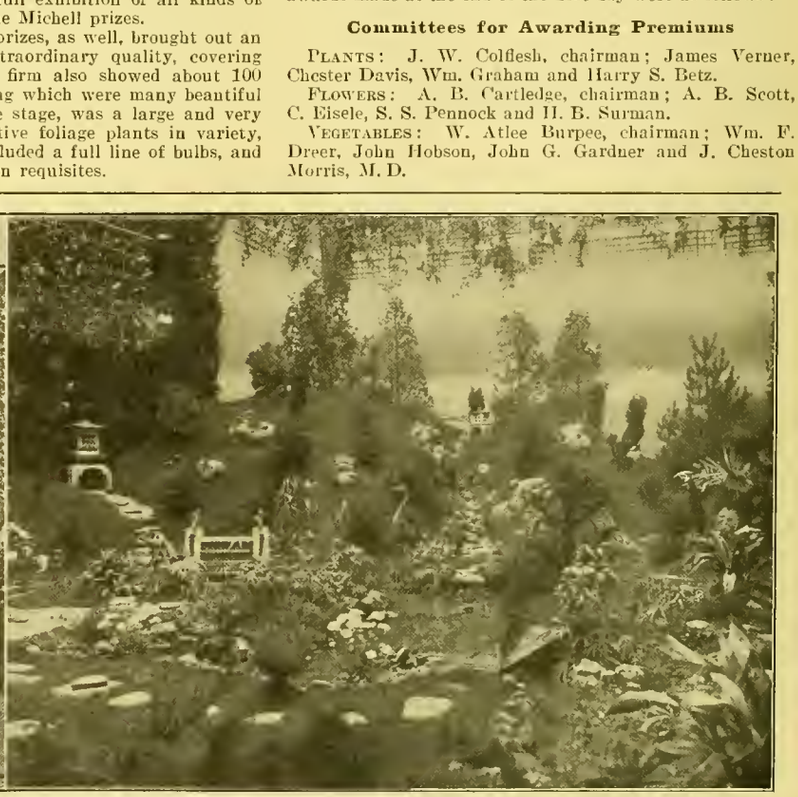
PLANTS: J. W. Colflesh, chairman; James Verner, Chester Davis, Wm. Graham and Harry S. Betz.

FLOWERS: A. B. Cartledge, chairman; A. B. Scott, C. Eisele, S. S. Pennock and H. B. Surman.

VEGETABLES: W. Atlee Burpee, chairman; Wm. F. Dreer, John Hobson, John G. Gardner and J. Cheston Morris, M. D.



Entrance to Japanese Garden from Main Hall



A View in the Japanese Garden

At the Rochester (N. Y.) Flower Show

Committees to Examine and Make Awards on New or Choice Plants, Flowers, Fruits and Vegetables—Robert Craig, chairman.

PLANTS: J. D. Eisele, Xavier E. E. Schmitt, Alphouse Pericat, John Westcott and Harry S. Betz.

FLOWERS: Alex. B. Scott, Samuel S. Pennock, A. B. Cartledge, Henry B. Surman and A. M. Herr.

FRUITS AND VEGETABLES: W. Atlee Burpee, J. Otto Thilow, John G. Gardner and Joseph McGregor.

Principal Awards Were as Follows:

Plants—Chrysanthemums

Display of four plants, Japanese, four varieties, four different colors, in not over 14-in. pots, for the Pembroke Prize—1, Mrs. F. C. Penfield, School Lane, Philadelphia, gdr. John McClary, with Dr. Enguehard, Mrs. Geo. Hunt, L'Africaine, Mrs. Clay Frick.

Display of three plants, three varieties, pink, in not over 14-in. pots—1, Mrs. Joseph F. Sinnott, Rosemont, Pa., gdr. David Ingam, with Dr. Enguehard, Silver Queen, Mrs. Joseph Sinnott.

Three plants, three varieties, introduced in 1910, in not over 14-in. pots, for the Ravenhill prizes—1, Mrs. F. C. Penfield, with Alice Lemon, Wells' Late Pink, Mrs. R. Huxford.

Specimen plant, in not over 14-in. pot, of variety Mrs. Frank Thomson, for the Corkerhill prizes—1, Mrs. F. C. Penfield.

Two plants in not over 10-in. pots, one white, one pink—1, Mrs. F. C. Penfield, with Wells' Late Pink, Mutual Friend.

Best six plants, of any one variety, in not over 6-in. pots, one bloom to a plant, for the Floralia prizes—1, P. A. B. Widener, Ogontz, Pa., gdr. William Kleinheinz, with Lynnwood Hall.

Eight plants, four each of the following colors: white, yellow; in not over 6-in. pots, one bloom to a plant—1, P. A. B. Widener, with Mrs. Wm. Duckham and Merza.

Six plants, yellow, in not over 6-in. pots, one bloom to a plant—1, Mrs. R. B. Ellison, Bryn Mawr, Pa., gdr. Axel Lindroth, with Mrs. Wm. Duckham.

Six plants, any color, in not over 6-in. pots, one bloom to a plant—1, P. A. B. Widener, with Glenview.

Single flowering varieties, best six plants in not over 9-in. pots. Plants to be grown entirely in pots—1, John W. Pepper, Jenkintown, Pa., gdr. Wm. Robertson, with Helen Totty, Gretchen, Ethel Beer, Mrs. Chas. Totty, Lily Beer, Katie Covell.

Cut Flowers—Chrysanthemums

Vase of six blooms, Mrs. Frank Thomson, long stems—1, John W. Pepper.

Four vases, five blooms each, white, pink, yellow, one any other color, distinct varieties—1, John Wanamaker, Jenkintown, Pa., gdr. John H. Dodds, with R. Vallis, Mrs. Duckham, Nellie Pockett, Rose Pockett.

Vase of twenty-five blooms, not less than six varieties, arranged for effect—1, John W. Pepper.

Fifty blooms, ten distinct varieties, five blooms each—1, P. A. B. Widener, with Mary Mason, Mrs. Wm. Duckham, Mrs. J. C. Neill, Glenview, Onunda, Mary Donnellan, Merza, M. F. Plant, Nellie Pockett, Wm. Duckham. 2, Clement B. Newbold, Jenkintown, Pa., gdr. Samuel Batchelor, with Nellie Pockett, O. H. Broomhead, Clara Wells, M. Hankey, Mrs. Wm. Duckham, Glenview, Wm. Duckham, Cheltoni, Pockett's Crimson, Onunda.

Chrysanthemum Lynnwood Hall—Best vase of twelve blooms—1, P. A. B. Widener.

Six vases, six distinct varieties, five blooms each—1, John W. Pepper, with Glenview, Nellie Pockett, Rose Pockett, Merza, Mrs. Wm. Duckham, Mary Mason.

Best vase of five blooms of Beatrice May—1, John Wanamaker.

Best vase of five blooms of Colonel Appleton—1, George W. Childs Drexel, Bryn Mawr, Pa., gdr. Thomas Long.

Best vase of five blooms of O. H. Broomhead—1, Craige Lippincott, Meadowbrook, Pa., gdr. Wm. Morton.

Display of hardy Pompon Chrysanthemums, consisting of 25 distinct named kinds, grown and flowered in the open, arranged for effect—1, John W. Pepper, with Eglidor, Ougelique, Ladysmith, Julie Legravere, Overbrook, Prince Victor, Gold Nugget, Queen of the Whites, Bob, St. Elena, Dupont de Leure, Utan, Ela, Orlena, Savannah, Tremy, Lodi, Black Douglas, Octo, Inga, Mrs. Martha, May Suydam.

Best vase of five blooms, white—1, John W. Pepper, with Nellie Pockett.

Best vase five blooms, yellow—1, George W. Childs Drexel, with Col. D. Appleton.

Best vase five blooms, pink—1, John Wanamaker, with Reginald Vallis.

Best vase five blooms, one variety, any color other than white, yellow or pink—1, Mrs. R. B. Ellison, with Glenview.

Plants—Miscellaneous

Best collection, open to all—2, Alphonse Pericat, Collingdale, Pa., with Cypripedium Ajax, C. Spicerianum, C. Ballos, C. Laura Kimball, C. Sufieldense, Cattleya labiata, C. bicolor, Dendrobium Formosum, D. Phalaenopsis.

Palms—Best collection of twelve plants, not less than six varieties—1, Mrs. F. C. Penfield, with Phoenix Roebelenii, Cocos Weddeliana, Kentiopsis macrocarpa, Bactris major, Kentia MacArthurii, Caryota urens, Livistona rotundifolia, Calamus palembanicus, Arenga saccharifera, Phoenix rupicola.

Ferns—Display of six plants, six varieties—1, Geo. W. Childs Drexel, with Adiantum Farleyense, Polypodium sporadocarpum, Adiantum Williamsii, Davalia Fijiensis plumosa, Lomaria gibba platyptera, Adiantum Aethiopicum.

Crotons—Display of six plants, six varieties, grown as pyramids, not less than 5½ ft. in height from top of pot, in not over 14-in. pots—1, Edward A. Schmidt, Radnor, Pa., gdr. John Hobson, with Andreanum, Hanburyanum, Hookerianum, Sunbeam, Baron de Rothschild, Victoria.

Ferns—Six plants, six varieties, in not over 8-in. pots or pans—1, George W. Childs Drexel, with Nephrolepis exaltata superba, Adiantum Farleyense, Lomaria gibba platypera, Platycerium Hillii major, Pteris Summersii, Polypodium sporadocarpum.

Ornamental Foliage Plants, twelve species, not over 14-in. pots—1, John W. Pepper, with Arpinea Sanderæ, Cocoloba pubescens, Alocasia orgeyria, Schismatoglottis picta, Croton "Dayspring," Dracæna Youngii, Nephthytis picturata, Dieffenbachia Bowmanii, Anthurium crystallinum, Phyllotænium Lindeni magnificum, Pandanus Baptiste, Maranta Lindeni.

Foliage Plant, new or rare, not previously exhibited—1, John W. Pepper, with Kentia Forsteriana variegata.

Caladiums, best six named varieties1, John Wanamaker, with Viga Cabral, Hildegard, Ivory, Lapinha, Fascination, Bendego.

Palms, best pair—1, George W. Childs Drexel, with Kentia Belmoreana rubicaulis and Phœnix Roebelenii.

Group of Foliage and Flowering Plants, arranged for effect—1, Clement B. Newbold.

Best plant Cypripedium Insigne—1, Mrs. F. C. Penfield.

Best plant Cattleya, any variety—1, P. A. B. Widener, with Cattleya labiata.

Heliotropes, four best standard plants, in not over 10-in. pots—1, Clement B. Newbold.

Crotons, eight best plants in not over 8-in. pots—1, John W. Pepper, with Lonsdale seedling, Hawkery, Veitchii, Lord Hope, Craigii, Eversiana, B. Compte, Reidii.

Some of the Newer Chrysanthemums Described by Sarah A. Hill

R. F. FELTON bids fair to prove one of the surprises of the year; it surpasses even Golden Wedding in the splendor of its color; it is very big, very solid, does not spot, and is very, very much out of the ordinary; compact and beautiful in form, with splendid stem. We must thank Mr. Wells for sending this grand variety to our shores.



Chrysanthemum Elise Papworth

ELISE PAPWORTH is an unusually taking white variety, with good strong stems, handsome foliage, and a sturdy constitution; the bloom is a large, full, flat incurved of extra good build and very pure in color. This variety won first in the white seedling class at Chicago, last Fall, and also secured the sweepstakes prize for the best seedling exhibited. It is quite upholding its last year's record and will take its place as a high-grade commercial to follow Virginia Poehlmann in date. It was named for Harry Papworth's little daughter, he greatly admiring the variety and buying the Southern right to it for the Metairie Ridge Nursery Co.



Chrysanthemum Alice Lemon

ALICE LEMON was the premier variety in the Wells-Pockett set of 1910, Mr. Wells having named it for the baby daughter of Mr. Fred. Lemon, a former president of the American Chrysanthemum Society. This variety is as large as the best F. S. Vallis, and unrolls its petals like ribbons off a spool; the color is soft pink and white, the habit is good, it does not spot readily, and is really a wonder among a collection of even marvelous varieties It certainly has taken kindly to American soil.

Flower Show of the Minnesota Florists' Assoc.

The first flower show of the Minnesota Florists' Association, held at the Armory, Minneapolis, Minn., opened Nov. 9. The large hall was canopied with wild Smilax, in which incandescent lights twinkled in great profusion. Pergolas were built on each side of the center, and over all colored arc lights cast a beautiful glow. The exhibits were tastefully arranged and the complete effect was grand beyond description. Decorative and blooming plants, cut 'Mums, baskets and vases of 'Mums, and designs were judged on the opening day.

Elmer D. Smith & Co. of Adrian, Mich., captured a number of first prizes in cut blooms; H. W. Buckbee of Rockford, Ill., was a close second. Lakewood Cemetery Association, Will Bros., La Crosse Floral Co., Holm & Olson, Park Co. Greenhouses, L. S. Donaldson Co., L. L. May & Co. and Minneapolis Floral Co. were the other exhibitors in this class.

Holm & Olson, O. C. Swanson and L. S. Donaldson Co. were the exhibitors of decorative plants. Holm & Olson, O. C. Swanson, Minneapolis Floral Co., L. L. May & Co. and L. S. Donaldson competed for basket, vase and design prizes.

For best 50 blooms, any color, arranged for effect, Holm & Olson, St. Paul, Minn., were first; La Crosse Floral Co., second; L. S. Donaldson Co., third. For basket arranged for effect, Holm & Olson were first; R. W. Chapman, second; O. C. Swanson, third. For the best vase of 'Mums arranged for effect, Holm & Olson were first; O. C. Swanson, second; Minneapolis Floral Co., third. For panel design, L. S. Donaldson Co. was first; Holm & Olson, second; L. L. May & Co., third.

An orchestra on the balcony enlivened the occasion with music. Society girls dressed in Japanese costumes sold flowers, programs and punch. The weather was cold, which retarded the attendance on the opening night.

The judges were J. S. Wilson, DesMoines, Ia.; J. J. Hess, Omaha, Neb.; F. W. Plummer, Kewanee, Ill.

VERITAS.

Flower Show of the Elberon (N. J.) Hort. Society

The second annual Chrysanthemum exhibition of this Society was held in Townley's Hall, Long Branch, Nov. 9 and 10, and, although late as to date, all the exhibits were remarkably fresh and of high standard, more especially the groups, both foliage and Chrysanthemums, were very effective.

In cut blooms the Chrysanthemum classes were well filled, with competition keen; in fact, the Elberon Hort. Society may well congratulate itself in its steady progress. Their 1910 exhibition is decidedly an advancement over that of last year. Bush plants are a feature in all exhibitions, and it can safely be stated that the bush plants staged here were extremely well done and helped the appearance of the hall considerably. In the competition in foliage groups, without question, T. Murray, gardener to Guggenheim estate, undoubtedly had the best grown plants but, being a bit stiffly arranged, lost on that score.

The following is a list of awards:

Group of Chrysanthemums—1, James Kennedy, gdr. to G. W. Young, Deal Beach, N. J.; 2, D. C. Kelly, gdr. to J. B. Greenhut, West End, Long Branch.

2 specimen bush plant—1, James Kennedy; 2, D. C. Kelly.

2 best Anemone—1, W. Dowlen, Rumson, N. J.; 2, J. Kennedy.

1 specimen standard—1, J. Kenneay; 2, P. Murray.

1 specimen bush—1, A. Bauer; 2, P. Murray.

Group foliage plants—1, C. O. Duncan, gdr. to Mrs. Washington Wilson, Elberon, N. J.; 2, P. Murray.

Specimen Palm—1, P. Murray; 2, C. O. Duncan.

Foliage plant—1, P. Murray; 2, W. R. Seymour, gdr. to S. M. Goldsmith, West End, N. J.

3 Ferns—P. Murray.

6 Rex Begonias—1, C. O. Duncan; 2, P. Murray.

Cut Chrysanthemums, 18 blooms, in 6 vars., 3 of each—1, J. Kennedy; 2, W. Turner.

20 specimen blooms, distinct, 12″ stems—1, J. Kennedy; 2, A. Bauer.

12 blooms distinct—1, Duncan Kelly, 2, C. O. Duncan.

6 white—1, P. Murray; 2, A. Bauer. 6 yellow—1, P. Ewan; 2, J. Kennedy. 6 pink—1, P. Ewan; 2, D. C. Kelly. 6 crimson—1, J. Kennedy; 2, D. C. Kelly. 6 any other color—1, J. Kennedy; 2, P. Murray. 6 bronze—1, P. Ewan; 2, P. Murray.

18 blooms arranged for effect—1, C. O. Duncan; 2, P. Murray.

Roses: 12 American Beauty Roses—1, A. Bauer; 2, P. Murray. 12 white—1, W. Turner; 2, A. Bauer. 12 pink—1, P. Ewan; 2, D. C. Kelly. 12 any other color—D. Kelly

12 white Carnations—1, Kettle. 12 pink—1, Kettle; 2, W. Turner. 12 red—1, D. C. Kelly; 2, A. Bauer. 12 any other color—1, A. Bauer; 2, P. Murray.

100 single Violets—1, W. Seymour; 2, D. C. Kelly.

6 vars. of Orchids in bloom—1, A. Bauer; no other competitor.

Pteris Childsii—1, P. Murray.

There was strong competition in the vegetable classes in which James Kennedy, Wm. Dowlen, W. Seymour and A. Bauer were the biggest competitors Fruit is the weakest part of the exhibits, although what was shown was excellent.

WM. TURNER.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. Samples will be forwarded on application.



Elmer D. Smith & Co.'s Chrysanthemum Lenox, Awarded Dreer Special Prize at Morristown for Best American Seedling Yellow

The Lenox Flower Show

It was the writer's privilege to act as one of the judges at the annual Chrysanthemum exhibition of the Lenox (Mass.) Horticultural Society, Oct. 26 and 27. I had previously heard a good deal about the horticultural status of Lenox and naturally expected to find something very fine. To say that I was not disappointed with my visit is putting it mildly. I was delighted with my visit, the hospitable way in which I was received and entertained, and with the high order of horticulture shown and the horticulturists themselves. The money value of the prizes is small in Lenox compared with many other places, so these annual exhibitions cannot be charged to any mercenary motives, but are the outcome of real sportsman-like spirit and friendly rivalry. The awarding of the various prizes was no easy task, the decisions in many cases being awarded by a narrow margin of points. This was particularly so in the vegetable classes where only a matter of a few points separated the winning lot. Yet the kicking which one usually hears as the aftermath of the judges' decisions was conspicuously absent.

The plant groups, first of all, were a revelation of artistic taste and design. Three contestants entered for the plant groups and two for the Orchid groups. The arrangement in each case was dissimilar, the individual specimens used were of the highest order culturally, and the awarding of the prizes was very much a matter of individual taste regarding arrangement. The first prize was awarded to F. Heeremans, superintendent to W. D. Sloane, esq., "Elmcourt." His arrangement was very gracefully combined and the individual specimens could be seen at a glance from any point of vantage, and this proved the deciding factor in the award. The groundwork was extremely rich, consisting principally of Farleyense Ferns and highly colored Rex Begonias. The supporting columns on both sides were principally composed of this, with various specimen Crotons of Warreni and Prince of Wales varieties, also Phœnix Roebelenii and Asparagus elongatus. The specimen Crotons were particularly handsome, standing 4 ft. high and furnished from the pots upward. The predominating colors used were white and pink, furnished by Begonias, Lilies, Gypsophila and Lily of the Valley.

The second prize was awarded to Edward Jenkins, superintendent to Giraud Foster, esq., "Bellefontaine." Pink and white also predominated in his arrangement, and his specimens were all that could be desired, but his group was heavier and had to be seen from various points to be assimilated. He had also some beautiful Warreni Crotons and specimen Palms. His flowering plants consisted of Gypsophila, Lorraine Begonias, Fuchsia "The Rockford," specimen Lilies and Clerodendron. His groundwork consisted of Lily of the Valley, Farleyense Ferns, Fittonias and Asparagus Sprengeri.

The third prize was awarded to Allan Jenkins, superintendent to S. P. Shotter, esq., "Shadowbrook." His group was a rockwork design, neat, original and effective, but lacked in the richness of foliage. His color effect was red and white, consisting principally of Clerodendron, falax, Bouvardia, Justicia, Lilies and Lily of the Valley.

A. J. Loveless, superintendent to Mrs. John Sloane, was first for the group of Orchids, and F. Heeremans second. Mr. Heeremans' group was more of a table effect in which he used a good deal of cork bark. The plants consisted principally of Cattleya labiata, and Oncidium Rogersii, with Farleyense Ferns as a groundwork. They were a charming lot, most tastefully and sweetly arranged, but they lacked the costliness and variety of the Loveless group which won out for him. Mr. Loveless had some very fine specimens of Cypripedium Sanderæ, Dendrobium, Phalænopsis, Odontoglossum crispum, Oncidium papilio, O. ornithorynchon and album, and many others. These groups were certainly worth going a long way to see. They were an education to the average citizen and also to the experienced gardener.

The Chrysanthemum blooms were well up to the average, but we believe not quite as good as former years. The varieties principally shown were in the more recent introductions, viz.: Gladys Blackburn, Mrs. Stevens, Hetty Wells, Ononda, W. Mease, Keith Luxford, Mrs. David Syme and R. F. Felton.

Among the older varieties the following predominated: Beatrice May, F. S. Vallis, Pres. Viger, Mrs. J. C. Neil, Pockett's Crimson, Pockett's Surprise, Mrs. Wm. Duckham, W. M. Moir, Lady Hopetoun, Glenview, Merstham Blush, Rose Pockett, Mrs. J. C. Dunne, Leslie Morrison, Merza, Commandant Matthieu, Wm. Duckham, Mrs. Etherington, Mrs. Norman Davis, Naceur Bey, Hamilton, Reginald Vallis, and Geo. J. Bizard.

In the 6-in. pot classes the following were principally used: Mrs. Wm. Duckham, Beatrice May, Mrs. Stevens, Leslie Morrison and Pockett's Crimson.

Among the single varieties the following were noted as particularly good: Merstham White, Annie Stevens, Nellie Redding, Anne Betts, Chas. Graves, Crown Jewel, Alice Cumber, Thirza Sanford, Sylva Slade, Kitty Bourne, Mary Richardson, Mrs. Ferguson, Daisy, Mrs. Roberts, Marguerite, and Yellow Queen.

Among the Carnations, Alma Ward, Mrs. C. W. Ward and Dorothy Gordon were in the front in their respective classes. Lady Algy was also there in good size and form.

For 12 flowering plants, A. H. Wingett, superintendent for Chas. Lanier, esq., won out with 12 fine specimens of Geraniums; it is a wonder these are not more used, for here they made a fine display.

Next in importance to the plant groups in Lenox are the vegetable displays. As will be noted from the prize list keener competition exists here than in any other section of the exhibition. The Orchid grower, the 'Mum grower, the Rose and Carnation grower, all contribute to the vegetable classes. They had the finest lot of vegetables that I have ever seen, and I question if a more superb staging was ever seen in this country. The first prize Onions were an even lot and averaged 3½ pounds each. I don't believe there was an Onion in the exhibition that weighed less than two pounds. Parsnips measured 4 ft., Carrots 3 ft. and Leeks with 29 in. of blanch were some of the features. The gardeners of Lenox are certainly to be congratulated upon the most excellent showing. As a whole they stand at the head of their profession and their work will long be remembered.

The judges were: Howard Nichols, Yonkers, N. Y.; Richard Gardner, Newport, R. I.; Mr. Burton, Bar Harbor, Me.; Walter Angus, Chapinville, Conn.

In the awards for plants, first for three specimen Chrysanthemums was taken by R. Spiers, gdr. to Mrs. J. E. Parsons; Mr. Spiers also took first for one specimen plant. For other awards in plants, A. H. Wingett took seven firsts; Edw. Jenkins, J. J. Donohoe, A. J. Loveless and E. J. Norman also figured among the first prize winners.

In cut Chrysanthemum blooms the first prize winners were R. Spiers, Edw. Jenkins, S. Carlquist, F. Heeremans, J. J. Donohoe, A. J. Jenkins, Thos. Page, A. H. Wingett and A. J. Loveless.

In Roses F. Heeremans captured four firsts; A. J. Loveless, Edw. Jenkins, R. Spiers, J. J. Donohoe and Thos. Page were also winners.

In Carnations, cut blooms, first prize winners were F. Heeremans, A. H. Wingett, Thos. Page, S. Carlquist and R. Spiers.

In Violets, singles, R. Spiers captured first; in the doubles, A. H. Wingett was first.

The first prizes on fruit were captured by A. Jenkins, G. H. Thompson and S. Carlquist.

In the vegetable competition, E. Jenkins took first for best collection of 18 varieties; S. Carlquist first for best 12 varieties; David Dun first for best six varieties. Other firsts were awarded G. H. Thompson, A. H. Wingett, J. J. Donohoe, S. Carlquist, Edw. Jenkins and Thos. Page.

First-class certificates were awarded to Julius Roehrs Co. of Rutherford, N. J., for Cattleyas Portia, Lenox and Edwardii. To Henry A. Dreer, Inc., Philadelphia, for Ficus Wendlandi and Nephrolepis exaltata superba.

A diploma was awarded to Julius Roehrs Co. for collection of Cypripediums.

Buffalo Flower Show

The first annual flower show of the Buffalo Florists' Club was opened to the public in Convention Hall, Buffalo, at 8 p.m. on Nov. 2. The members of the Club deserve great credit for the very commendable exhibit put up in so short a time, owing to the hall having been occupied by Col. Roosevelt until a late hour the night before. At 1 a.m. on Wednesday the hall was turned over to the florists, who had to clear the floor of chairs and much other material before any attempt could be made to start on the plan as laid out by Geo. W. McClure & Son, landscape architects, who outlined a French garden with winding walks, beautiful flower beds, playing fountain and pergolas. This scheme was carried out to the smallest detail, and the way all hands pitched in to the task of completing the exhibition before opening time was very commendable. As viewed from the gallery, the entire lower floor presented a beautiful sight, and one which the Buffalo florists will surely be called upon to reproduce annually. President Jos. Streit was very enthusiastic as to the outcome of the show, and spoke highly of the efforts put forth by the larger exhibitors, at the last moment, to make the show a more complete success. Buffalo is sadly deficient in number of private greenhouses to call upon at such times, so that, in a measure, the commercial growers must rely on their own efforts.

Chas. Sandiford, gardener to J. J. Allbright, the only representative of the private growers, made quite an extensive and attractive display, embracing several flower beds, containing decorative plants of every description, as well as a large showing of many varieties of pot grown and cut Chrysanthemums. In a separate group Mr. Sandiford displayed a fine collection of Cattleyas, Oncidiums, Cypripediums, Nepenthes, Adiantums, etc., which made a very tasty table. On the table were two elegant bunches of hot house Grapes grown on Mr. Allbright's place, of the Barbarossa variety, each weighing about six pounds. All the flower beds were made on the floor, each being marked off into shape by a row of real sod, which acted as a border.

Wm. J. Palmer & Son and S. A. Anderson occupied the two whole sides of the hall. These people made the finest exhibits ever seen in Buffalo, and being entirely different in formation their display presented a very attractive sight. Palmers used cut flowers of every description, in every conceivable way, while masses of decorative and flowering plants were grouped with telling effect. Mr. Anderson used Ferns, Palms, tall gilt vases filled with exquisite Chrysanthemums, showing the best of culture. Part of this display was a rockery formed so that a stream of water was used, giving to it the appearance of a corner in a piece of woods. Orchids were used lavishly, while Cibotium and other expensive plants gave a rich and delicate finish to the whole exhibit. The background of each of these displays was made of natural Oak and other foliage, the red tints of which harmonized beautifully with the plants and cut flowers.

Other exhibitors were The Wm. Scott Co., which used the front of the stage for a beautiful display of Lilies, 'Mums and many fine Ferns, Palms, etc., in the middle of which was a tall vase containing about a hundred long-stemmed American Beauty Roses. This exhibit was very much admired.

A. J. Riechert staged a fine group of decorative plants, pot grown and cut Chrysanthemums.

Geo. W. McClure & Son utilized the floor of the stage for a landscape scene, using a painting of the Temple of



Chrysanthemum Rose Ellis
As grown by C. H. Totty, Madison, N. J.



Chrysanthemum Dick Witterstaetter—Red
Awarded First-Class Certificate, C. S. A.
Originated by Elmer D. Smith & Co., Adrian, Mich.

Music (painted on the rear wall) as a basis for their operations, and this with winding walks made of stepping stones and leading through shrubbery and closely cropped grass lawns was surely a bright idea, leaving much to the imagination.

The Hale Decorators showed a group of Aucubas, Box and Bay trees, etc.

Keitsch & Sons Co. staged a fine display of Palms, Ferns and other plants, as well as vases of very fine Maj. Bonnaffon and other 'Mums and American Beauty Roses.

J. Benson Stafford showed three tables containing miniature Japanese trees, Sicilian pottery with red Ruscus placed tastily in it, thus showing the value of Ruscus as a Christmas table decoration. He also showed an imported Austrian glass centerpiece, which was a marvel of beauty, and some Japan split Bamboo baskets of fancy design, as well as a French gilt basket containing prepared Adiantum leaves in beautiful shades of violet and green.

A special table was devoted to an immense vase of Smith's Chrysanthemum seedlings of the Pompon varieties grown by W. J. Palmer & Son.

Wm. F. Kasting staged a very fine table of vases of Richmond, My Maryland and Radiance Roses.

W. C. Stroh made an extensive exhibit of cut flowers from his greenhouses at Attica, N. Y., including Roses, Carnations, Cosmos, 'Mums of every variety; the vases were placed among Palms and Ferns, the whole forming a very complete exhibit.

The Delaware and South Park greenhouses made two very pretty beds of pot grown plants of every description, showing the active interest taken in the success of the show by the Park Commissioners. Unfortunately the 'Mums from these greenhouses were a week behind time, but, nevertheless, the effort put forth was greatly appreciated by the members of the Club.

L. H. Neubeck staged a very tasty exhibit of decorative plants, also some Mission wood baskets filled with cut Pompon Chrysanthemums, which were greatly admired.

The Lenox Flower Shop put up many fancy baskets of cut 'Mums and other flowers which were good to look upon, showing artistic completion.

Jos. Sangster put up four rustic pillars, 8 ft. high, one on each corner of a square, in the center of which was a pretty table containing vases of well grown 'Mums of Japanese and Pompon varieties, as well as Lilies, etc.

Many others of the local florists contributed plenty of material, which was used in the general decorative scheme. A very fine triangular bed of Begonia Gloire de Lorraine, edged with Scottii Ferns, made a very pretty sight, and was made by S. A. Anderson. In a prominent part of that gentleman's exhibit a vase of the new double Killarney Rose, grown by Robt. Scott & Son of Sharon Hill, Pa., was shown. This Rose showed no effects of its long shipment, and staged well.

Many tables were decorated, showing the uses to which cut flowers can be put for dinner or other parties, the chinaware, etc., for the purpose having been loaned by the Lafayette Hotel Co. These tables were decorated by W. C. Stroh, S. A. Anderson and the Lenox Flower Shop.

The two pergolas, each about 30 ft. long and 10 ft. wide, were made of trunks of trees brought from the woods by G. W. McClure & Son, and certainly gave a real finish to the general scheme. Birch, Maple and other trees, with foliage, and about 20 ft. high were also used, and around the base of them tables were arranged, containing vases of mixed flowers. Wild Smilax and natural foliage were placed in the most advantageous positions, the whole presenting as natural a view as one could possibly conceive. The popular price of twenty-five cents was charged for admission, and it is to be hoped that the results of this show will encourage the Buffalo florists to greater things in the coming years.

The Rochester Flower Show

The second annual flower show, given by the Rochester Florists' Association, a report of which was presented in our last issue, was brought through five days of success, terminating at 11 p.m. on Saturday, Nov. 5. It is no exaggeration to say that more than 27,000 people visited this exhibition, a number which constitutes more than a tenth of the city's population. What the ultimate financial result will be cannot, at present, be even suggested, but the committee feels assured that the receipts have been ample to enable it to meet all expenses.

As pioneers in creating this form of non-competitive exhibition, the local florists deserve the praise of the entire country. For the second time the Association has demonstrated that the public will patronize these exhibitions in such numbers as to warrant the expense and work attaching to them. Under the wise generalship of Chas. H. Vick, success has been attained without friction, the best of feeling prevailing among all the workers during the preparations, and up to the time when the last plant was returned to its owner, which proves the wisdom of appointing at the head of such an affair a man who has no interest other than the success of the undertaking. Flower show committees in other sections, particularly in the East, will do well in the future to follow along some of the lines pointed out by the Rochester florists, as it is admitted that the stagings generally seen in many of the flower shows throughout the East have become monotonous in style, probably furnishing a reason for poor attendance year after year, exhibitors having practically the same exhibits every year.

Apart from the beautiful flowers, music played an important part in the success attained. Every afternoon and evening the 54th Regiment band gave concerts, while the same organization's string orchestra played in the Japanese Garden, where the patrons enjoyed tea and other good things. A different program was rendered each day, and the gallery of Convention Hall was crowded at all concerts. People who have traveled extensively East and West were loud in their praises of the show, while visiting florists from surrounding towns showered encomiums upon the Rochester florists.

On Thursday, there was placed, in a conspicuous position, an immense fan, made of a plant of single flowering Chrysanthemums, the stems covered with white and pink chiffon, the pot also covered and tied with an immense bow; on this was a card with the legend "Presented to Chas. H. Vick, the 'fan' of the Rochester Florists' Association. Congratulations from everybody," thus emphasizing the popularity and esteem in which Mr. Vick is held.

The beautiful vase of 100 American Beauty Roses from F. R. and P. M. Pierson, Tarrytown, N. Y., lasted from the day they were first shown, Tuesday, until the following Monday, at which time they were still good to look at.

The exhibits from the private establishments would have been winners in their respective classes had there been any prizes offered. In the exhibit of Mrs. Kimball, Colin B. Ogsten, gdr., a vase of Japanese 'Mums, plants of which came from Nippon, proved very interesting; the flowers were of several colors, shapes and sizes.

The commercial exhibitors, Salter Bros., J. B. Keller Sons, E. R. Fry, H. E. Wilson, Geo. Boucher, in fact all the exhibitors, evinced much satisfaction, through seeing the crowds admiring their products.

The Association is especially indebted to F. J. Keller, as chairman of the decorations committee; J. M. Keller, who had charge of the working out of the Japanese garden; Salter Bros., who attended to the overhead decorations, etc., in the large hall; and Alling S. DeForrest, who drew the plans for the entire exhibition. Every member of the Association, individually, did what he could, and President Fred. Vick, who was present nearly every afternoon and evening, expressed himself as fully satisfied with about everything connected with the show. As chairman of the music committee, Mr. Vick rendered valuable assistance in many ways.

The popular price of 25c. was charged for admission each day. On Friday morning, Nov. 4, all the children from the Orphan Asylum were given free entry, and the interest shown by the little tots fully warranted the invitation, as many of the children really thought they were suddenly transferred to a heavenly sphere; the band donated its services for this occasion. On Saturday the school children were admitted for 10c., from 10 a.m. until closing, while from 12 till 5 of the same day a fine Rose was given to every lady visitor. All of these incidents helped to swell the income, and to make the show popular.

A. H. S.

William Crawford Barry

In the October issue of the Technical Educator and Inventor is given a lengthy account of the life and activities of William Crawford Barry, the eminent nurseryman of Rochester, and particularly the services rendered the city of Rochester by that gentleman and his associates, the Ellwanger & Barry Co., are gone into somewhat in detail. Very many of our florists, seedsmen and nurserymen have been great factors in their home towns, particularly in the line of civic improvement, and the work performed by Mr. Barry in the laying out of so many beautiful streets and in the development of the parks of Rochester, is particularly to be commended. The magazine also prints, as a frontispiece, a splendid likeness of Mr. Barry.



At the Rochester (N. Y.) Flower Show
Mrs. Thompson's Exhibit, Front of Stage



Nymphæa Eugenia DeLand
Wm Tricker, Arlington, N. J.

Nymphaea Eugenia DeLand

Novelties in Nymphæas are by no means numerous and but few of note have made their appearance of late years. Several varieties have emanated from the establishment of Marliac, the noted French hybridist, but these have not measured up to the standard and so have not become popular.

Like many other flowers, size and color are cardinal points and indispensable in the rivalry for position. N. Eugenia DeLand possesses these in full together with exqnisite fragrance; it belongs to the odorata group and is unequaled by any other of the same genus. Flowers extra large, of true odorata type, floating, petals long and stellate; color, an exquisite shade of deep rose pink of iridescent hues; stamens yellow. Plant vigorous and free flowering.

Arlington, N. J. W. TRICKER.

American Institute Flower Show, New York

The seventy-ninth annual Fair of the American Institute of the city of New York, consisting of a Chrysanthemum show and exhibition of Palms, Ferns, Orchids, Roses, Carnations, Violets, etc., was held at the Berkeley Lyceum Building, 19-21 West 44th st., Nov. 9 to 11 inclusive.

The exhibitors were greatly hampered in the transportation of their plants and blooms on account of the present strike of the express companies' employees, and great credit is due the growers for resorting to every means, even to bringing by hand, to get their exhibits to the Lyceum Building. The result of these efforts of the exhibitors, and the energetic action of the committees in charge in the matter of staging late arrivals of plants and blooms resulted in a well arranged and meritorious exhibition.

The show was thrown open to the public on Wednesday evening and the attendance on that evening was large.

Among the commercial exhibitors was Charles H. Totty, Madison, N. J., who showed his beautiful new yellow Rose Lady Hillingdon, the new pink Rose Radiance, the new Carnations, White House and Princess Charming, all of which attracted much attention. His large display of many beautiful novelties in Single and Pompon hardy Chrysanthemums, and of incurved and Japanese varieties for distribution in 1911, was one of the leading features of the show, and elicited much admiration. Especially beautiful among the Pompons and Singles were Merstham Jewell, Yellow Gem, Hoffman, Nellie Bly, Urith, Baby, and Seedling No. 29.

A very creditable display of many pretty varieties of hardy Chrysanthemums was made by Thomas Meehan & Sons, Dreshertown, Pa., in charge of Mr. Wilcox, their New York and New England representative, who pluckily brought the blooms in dress-suit cases from Dreshertown.

Lager & Hurrell, Summit, N. J., showed a tastefully staged general collection of Orchid plants, among which was the rare Cypripedium insigne Hurrellianum.

Julius Roehrs Co., Rutherford, N. J., showed a well-arranged group, comprising a large variety of handsome decorative plants.

Louis A. Noe, Madison, N. J., carried off the prizes for American Beauty, and all other Roses in the pink, white and red classes.

The rest of the exhibition belonged to the private gardeners.

One of the brightest, most showy and meritorious exhibits staged was a corner group shown by Howard Gould, Port Washington, L. I., N. Y., gdr. Harry Turner. This consisted of some remarkably well-grown plants of Celosia Pride of Castle Gould, yellow Chrysanthemums, and Clerodendron Fallax, and was one of the leading attractions of the show.

Among the cut blooms of Chrysanthemums shown, especially noteworthy were 25 blooms of Miriam Hankey, and 10 blooms of Mrs. David Syme shown by Howard Gould; 6 blooms of Mrs. D. V. West, shown by Miss C. A. Bliss, New Canaan, Conn., gdr. J. T. Burns; 6 blooms of Mary Donnellan, shown by Percy Chubb, Glen Cove, L. I., gdr. Alexander Mackenzie, 6 blooms of Pockett's Crimson, shown by C. N. Bliss, Oceanic, N. J., gdr. N. Butterbach; and 6 blooms of F. S. Vallis, shown by E. H. Wetherbee, Mamaroneck, N. Y., gdr. Francis Milne.

In the exhibits of the Anemone type of Chrysanthemums, Wm. Dowlen, Seabright, N. J., E. D. Adams and C. N. Bliss were heavy winners with some very meritorious blooms; and Harry E. Converse, Marion, Mass., gdr. David F. Roy, carried off a special for a vase of blooms of Anemone varieties.

The awards were as follows:

Awards

Chrysanthemums—Cut Flowers

25 blooms one variety—1, Howard Gould, Port Washington, L. I., gdr., Harry Turner, with Miriam Hankey; 2, Percy Chubb, Glen Cove, L. I., gdr., Alexander MacKenzie; special, M. F. Plant, Groton, Conn., gdr., Thos W. Head.

30 varieties, one bloom of each—1, C. N. Bliss, Oceanic, N. J., gdr., N. Butterbach; 2, Henry Siegel, Mamaroneck, N. Y., gdr. Thos. Atchison; special, Howard Gould.

20 varieties, one bloom of each—1, M. F. Plant; 2, William Dowlen.

10 varieties, one bloom of each—1, Miss G. Iselin, New Rochelle, N. Y., gdr., Ewen MacKenzie; 2, H. M. Telford, Tuxedo Park, N. Y., gdr., Joseph Tansey; special Mortimer L. Schiff, Oyster Bay, N. Y., gdr., W. Eccles.

10 blooms any white variety—1 Percy Chubb; special, Howard Gould, with Mrs. David Syme.

10 blooms any pink variety—1, E. D. Adams, Rumson, N. J., gdr., George Hale; 2, Howard Gould; special, Percy Chubb, with Miriam Hankey.

6 blooms any yellow variety—1, Percy Chubb, with Mary Donnellan; 2, M. F. Plant; special, Howard Gould, with R. F. Felton.

6 blooms any crimson variety—1, C. N. Bliss; 2, E. D. Adams; special, Howard Gould, with Pockett's Crimson.

6 blooms any bronze variety—1, M. F. Plant; 2, C. N. Bliss; special, H. M. Telford.

6 blooms Japanese incurved, white, any variety—1, E. D. Adams, with Merza; 2, M. F. Plant.

6 blooms Japanese incurved, any yellow variety—1, M. F. Plant; 2, E. D. Adams; special, Charles Hathaway, East Orange, N. J., gdr., Max Schneider, with Mary Donnellan.

6 blooms Japanese incurved, any crimson variety—1, M. F. Plant; 2, Mrs. Myron I. Berg, Stamford, Conn., gdr., James Aitchison.

6 Japanese incurved any pink variety—1, M. F. Plant; 2, Howard Gould; special, Henry Siegel.

6 blooms Japanese incurved, any bronze variety—1, Howard Gould, with O. H. Kahn; 2, M. F. Plant; special, E. D. Adams, with O. H. Kahn.

6 blooms Japanese reflexed, any white variety—1, E. H. Weatherbee, Mamaroneck, N. Y., gdr., Francis Milne; 2, Charles Hathaway.

6 blooms Japanese reflexed, any yellow variety—1, E. D. Adams, with Mrs. E. Thirkell; 2, M. F. Plant; special, E. H. Weatherbee, with F. S. Vallis.

6 blooms Japanese reflexed, any pink variety—1, E. H. Weatherbee, with Brighthurst; 2, M. F. Plant.

6 blooms Japanese reflexed, any crimson variety—1, E. D. Adams; 2, M. F. Plant; special, Howard Gould.

6 blooms Japanese reflexed, any bronze variety—1, M. F. Plant.

6 blooms Anemone, any white variety—1, William Dowlen, Seabright, N. J.; 2, E. D. Adams.

6 blooms Anemone, any yellow variety—1, William Dowlen; 2, C. N. Bliss; special, E. H. Weatherbee.

6 blooms Anemone, any pink variety—1, C. N. Bliss; 2, John S. S. Lyle, Tenafly, N. J., gdr., Joseph Kennedy; special Wm. Dowlen.

6 blooms Anemone, any crimson variety—1, Osborn Estate, Garrison, N. J., gdr., Wm. Inglis; 2 E. H. Weatherbee.

6 blooms Anemone any bronze variety—1, William Dowlen; 2, E. H. Weatherbee.

New Varieties, Seedlings and Sports

6 blooms, any pink variety—1, E. D. Adams, with a seedling not named.

6 blooms any other color—1, Henry Siegel, with Seedling "Driftwood"; 2, E. D. Adams.

Vase of single-flowered varieties—special, John S. Lyle.

Vase of hairy and plume varieties—1, Wm. Dowlen; 2, E. D. Adams.

Vase of Anemone varieties—1, W. W. Kennedy; 2, E. D. Adams; special, Harry E. Converse, Marion Moss, gdr., David F. Roy.

Basket of Chrysanthemums—special, Howard Gould.

Hardy Chrysanthemums Grown in Open

Collection 20 vases.—1, E. H. Weatherbee; 2, J. T. Pratt, Glen Cove, L. I., gdr., J. P. Everett.

Best collection Pompons 10 vases—1, E. H. Weatherbee; 2 Charles Mallory, Port Chester, N. Y., gdr., W. J. Sealy.

Collection of hardy Chrysanthemums—special, Thomas Meehan & Sons, Germantown, Pa.

Specimen standard white Chrysanthemum—1, Howard Gould; special, F. V. Burton, Newburgh, N. Y., gdr. William Cordes.

Specimen standard pink Chrysanthemum plant—1, Howard Gould; 2, Charles Hathaway.

Specimen standard yellow Chrysanthemum—1, Howard Gould.

Specimen standard bronze Chrysanthemum—Special, F. V. Burton.

Ornamental Plants

Group of flowering and foliage plants covering 80 sq. ft.—1, Howard Gould.

Collection of Orchids—1, Lager & Hurrell, Summit, N. J.

Specimen Fern—1, Howard Gould.

Roses—Cut Blooms

Best 12 blooms American Beauty—1, Louis A. Noe, Madison, N. J.



New Coleus Fanny Ross
Grown by J. W. Ross, Centralia, Ill.

Coleus Fanny Ross

J. W. Ross Co. of Centralia, Ill., send us the following description of their new Coleus Fanny Ross: It has a leaf large to very large and, in color, is a rich purple crimson shading to pink, and beautifully edged with green and gold. They will feature Fanny Ross in their spring catalog and will be able to make delivery to the trade after Feb. 1, 1911.

Best 25 blooms pink Roses—1, Louis A. Noe; 2, E. H. Weatherbee; special, Mrs. Stuyvesant Fish, Garrison, N. Y., gdr., William M. MacBean.

Best 25 blooms white Roses—1, Louis A. Noe; 2, E. H. Weatherbee; special, Mrs. Stuyvesant Fish.

Best 25 blooms red Roses—1, Louis A. Noe; 2, Mrs. Stuyvesant Fish.

Best 25 blooms Roses any other color—1, E. H. Weatherbee.

Carnations—Cut Blooms

Best 3 varieties 25 blooms of each—1, E. D. Adams; 2, Miss C. A. Bliss; special, H. M. Telford.

Best vase one variety 25 blooms—1, Miss C. A. Bliss; 2, Mrs. Myron I. Borg.

Violets

Best bunch 100 blooms, single—1, Howard Gould; 2, Charles Hathaway; special, John S. Lyle.

Display of Pompon Chrysanthemums—Special, Harry E. Converse.

Collection 75 single varieties, sprays, Hardy Chrysanthemums—Special, E. D. Adams.

Hardy Fuchsias

Considering that there is a Fuchsia which is hardy even in Philadelphia, when it is banked around with leaves in the Winter, it is a surprise that one never or rarely finds anyone growing it or even knowing of it. This Fuchsia is the Riccartoni, a variety of F. macrostemma, which is fairly hardy in many parts of England, and quite so in its southern part. As the ocean has so much to do with aiding plants to Winter well, it is more than probable that this variety would flourish along the Jersey coast close to the ocean.

There is a specimen of this Fuchsia growing in a garden in Philadelphia, where it has stood several years. On the approach of Winter it is banked around with leaves, sufficient to protect some inches of its branches near the ground, which proves sufficient, for when Spring comes it starts from its base afresh and soon shows flowers, which it continues to bear all Summer and until frost approaches. This Fuchsia, or at least the species macrostemma, comes from Chili, and in common with many plants from there will endure some frost. The Araucaria imbricata is from that country, and it has been known to live outdoors one Winter, in a sheltered place near the Schuylkill River. It is very likely this Fuchsia, the Riccartoni, would endure a Winter in Philadelphia, if in a sheltered place, with no more protection than that of keeping the sun from it.

JOSEPH MEEHAN.

Gladiolus Amercia

A private letter received from Mr. H. H. Groff of Simcoe, Ont., and now published after receiving Mr. Groff's consent thereto, further clinches his contention that he was the originator thereof. He says, under date of Oct. 29, 1910:

"The past season has added a most unassailable point in evidence as to the source of introduction of Gladiolus America, based upon the fact of it and my No. 119 being identical.

"According to my practice during the years of this controversy, I have planted the two stocks (my own growing and that grown from those purchased in the United States), side by side, for the purpose of showing to interested visitors.

"This season the climatic conditions have been adverse in both America and other portions of the world, as happened in the year when White Lady died here in the United States, and at home in Europe: American and No. 119 were affected identically, while adjoining varieties were affected according to the individuality of each.

"This evidence was not necessary to satisfy me, but I am anxious to place all facts as they appear before you, as you are the only person with whom I discussed the matter, anyway. Foreign growers have given me credit for the variety for years."

A Famous French Rose Grower

Pernet-Ducher and His New Rose, Rayon d'Or

At Vénissieux, a suburb of Lyons, France, are the gardens of Pernet-Ducher, the most famous Rose grower of the present time, an artist in his line, a man of great simplicity and a hard worker. Popular as his Lyon Rose now is, it will have to cede first place to his latest splendid origination, Rayon d'Or (Sun Ray), which will be put on the market this Fall. The bud is a copper red; as it swells, the outer petals become a waxen yellow with coppery rim, while the flower, when fully unfolded, is a deep yellow which does not fade. Rayon d'Or was originated about 1902, but it will be exhibited next year, for the first time, in the gardens of Bagatelle, Paris.

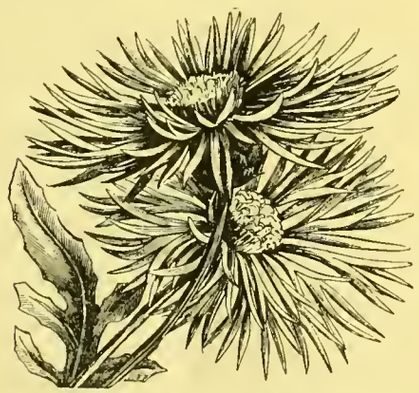
While there are yellow Roses among the Tea hybrids, it is the Pernetiana section which is noteworthy for its deep yellow, with the coral red admixture. The Pernetiana race is the product of a cross between Jaune de Perse (Persian Yellow) and the Remontant hybrid, Antoine Ducher. Persian Yellow, again, is derived from the Capucin Rose, Rosa lutea, native of southern Europe, from which its descendants have inherited the yellow color and fragrant leaves. Rayon d'Or itself is the offspring of the Tea hybrids Mme. Mélanie Soupert (also by Pernet), and a Soleil d'Or seedling. It is undoubtedly one of the deepest yellow Roses ever grown.

Pernet is also greatly interested in Tea hybrids. His new Château de Clos Vougeot is well known; the color is a strikingly dark red for a Tea Rose; it was named after the château of a Burgundy vineyard owner. Pernet's latest Tea hybrid is a red, named Lieutenant Chaure, after the unfortunate young French officer who was recently killed in the aeroplane accident of the French war balloon.

As to the method of hybridization of the Roses at this establishment: they are fertilized in open beds outside. The petals and stamens are removed and a little paper cap is put upon the fertilized flower in order to protect it from the weather and to keep insects or the wind from carrying other pollen to it. The fruit ripens outside. Rosa indica is likewise grafted outside. Pernet, therefore, needs only two greenhouses, which are used chiefly for the germination, at a temperature of 61° to 66°, of the seed sown in November, December and January.—*Gartenflora.*

European Cut Flower Novelties

Among the novelties listed for 1911 in the catalog of Haage & Schmidt of Erfurt, Germany, Bindekunst (to which paper we are also indebted for the illustrations), has tested the following in its trial gardens, and recommends them for cut flower purposes:



Amberboa muricata rosea

AMBERBOA MURICATA ROSEA, a Cornflower variety, is an exceedingly free bloomer. The flowers are light pink, about 2 in. across, borne on long stems. The plant grows to a height of 20 in. to 24 in., is much branched, and blooms continuously from June until late in the Fall.



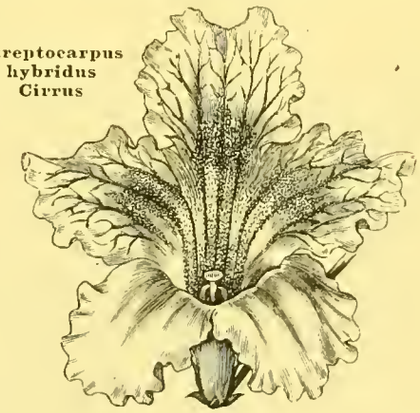
Bidens atrosanguinea hybrida

BIDENS ATROSANGUINEA HYBRIDA, is a new hybrid of the well-known deep red Bidens atrosanguinea (Dahlia Zinnapanii) crossed with Dahlia Merckii; it comes in carmine red, light and dark crimson, light and deep purple, with a few striped varieties. The plant grows to a height of 16 in., and the flowers are long stemmed.



Rudbeckia bicolor Solfatara

RUDBECKIA BICOLOR SOLFATARA differs from the popular annual golden yellow or yellow and brown Rudbeckias by its lighter coloring, its petals being a pure sulphur or primrose yellow, which contrast effectively with the dark brown disk. It is a fine, hardy Summer plant, growing to a height of 28 in. and a profuse bloomer.



Streptocarpus hybridus Cirrus

STREPTOCARPUS HYBRIDUS CIRRUS, is a new giant-flowered variety, which has proved constant after some years of cultivation. The flowers are 2 in. to 2½ in. across, clear white, with large violet purple spots veined with blue on the three lower petals. All the petals are wavy and somewhat fringed.

Outdoor Culture of Trained Fruit Trees

Will you please inform me how to get trained fruit trees, planted outside, to bear fruit. I have trees three years planted, grown to palmette and horizontal form. I have root prunned them, fed them with the very best fertilizers, and given them a feed of the best wood ashes. They make a rank growth each year but do not bear fruit. They are planted in a clay soil, rather stiff. Have Peaches, Pears, Apples, Cherries, Plums and Apricots of the best varieties, and would greatly appreciate any cultural method for success.—X. Y., New Jersey.

—Both palmette and horizontal trained forms of fruit trees require quite some time and attention in regard to pruning, both Winter and Summer, although root pruning is a step in the right direction when they are making a rank growth. Then, again, in the matter of fertilizers: it would be well to guard against using manures that contain much nitrogen, relying more on potash and phosphoric acid, which will have a tendency to produce a firmer growth, also formation of fruit buds. Most of the fruits mentioned should thrive in a fairly heavy soil, particularly Pears, Apples, Plums and Apricots. It is an understood fact when training fruit trees, or any trees for that matter, artificially, that they have a tendency to make a number of rank growths, and if allowed to grow away unchecked these will eventually rob the weaker branches and make a poor showing towards development of the essential fruit buds. There are other points worthy of consideration; for instance, a Peach tree should not be budded on Peach stock, for this work Plum stock is preferable. Apricots also should be budded on Plum stock, Pears on Quince, Apples on Paradise stock, etc. There are two reasons why these stocks should be chosen for this particular work; first is that the trees will not grow so rank; the second is that they present a tendency to early fruitfulness. However, all these instructions may be followed out to the letter, but if Summer pruning is neglected I predict the sap will be traveling too much in one direction and not enough in another. The Peach tree does not require the same amount of pinching as the others, still if it is noticed that extra strong shoots are robbing the weaker ones, don't hesitate to check their progress. The successful fruit grower will aim to distribute the sap eveuly all over the tree, and, undoubtedly, the most appropriate time for such equal distribution is during the growing season.

Either a horizontal or palmette, when properly takeu care of in Summer, needs a minimum amount of pruning in Winter. Allow the shoots enough light and sunshine to thoroughly develop the wood and buds. I am referring to the Apples, Pears, Plums, Cherries and Apricots. Spur wood must be encouraged; this is best accomplished by Summer pruning or pinching. That is to say, shoots that are taking the lead should be kept back where they belong.

The experienced man will say of all forms of trained fruit trees, summed up in a few words: "Bear in mind, the less pruning there is left until Winter the sooner will the trees come into bearing"; and with encouragement of spurs, through systematic Summer pinching, the more fruitful the trees will become. Success cannot be expected if those rank shoots are allowed full sway through the Summer unchecked. W. T.



New Pentstemon, Southgate Gem

New Pentstemon, Southgate Gem

This novelty was originally raised by G. Whitelegg of Chislehurst, Kent, the raiser of the new Geum, Mrs. Bradshaw. This Pentstemon is miles ahead of Newbury Gem and Myddleton Gem, the flowers being larger, almost as large, in fact, as the florists' Pentstemon, George Howe, one of the parents of Southgate Gem. The latter, unlike the ordinary Pentstemon, is hardy, and is a perpetual bloomer, spikes of bloom appearing all Summer. Southgate Belle is another of the type but the color is more near true scarlet. Southgate Gem is light crimson with white markings in the throat.—T. A. W., Eng.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN — FLORIST

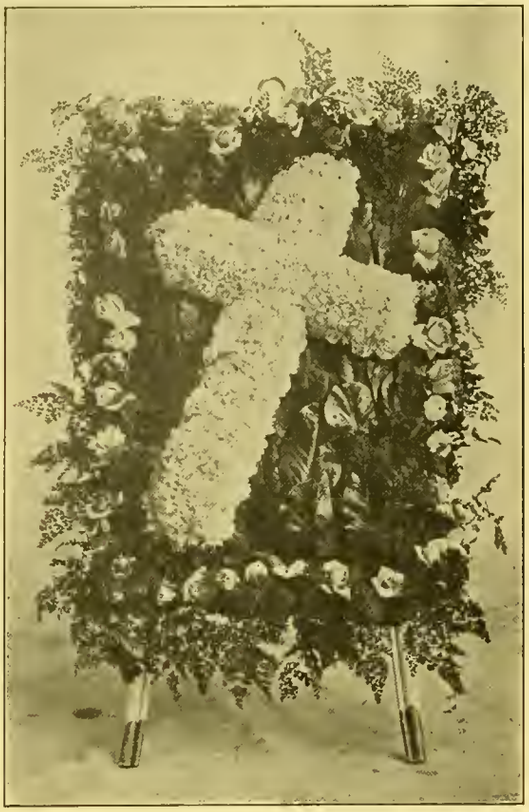
All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.



The illustration shown is that of a cross and panel on an easel, the design of Wm. Schlatter & Son, 422 Main st., Springfield, Mass. The flowers used are Carnations and Bride Roses, with Adiantum Farleyense and Magnolia leaves.

Florists' Telegraph Delivery

This organization is an auxiliary of the S. A. F. and O. H., and the membership is open to all members of the parent Society who are doing a retail business. It is our aim to have at least one member in each city and town, though membership may include as many as desire to join from any one city. It is not the intention to create a monopoly, but merely to provide a complete list of reliable florists throughout the country for the interchange of business. The organization cannot directly make a profit, but is established for the convenience of its members, and the expenses are to be met by annual dues of the members.

The organization guarantees prompt payment of bills due from one member to another member. This is made possible by requiring that each member shall deposit a certain amount in a trustee fund, and the interest on this fund, together with membership fees, constitutes a guarantee fund for the bills of all; members who do not pay their bills promptly to be expelled and to lose their deposits.

The charges are based upon the assumption that the total of business going out and coming into any given city will be in proportion to the population of that city, and that the total business will not be much greater if there are several members in that city than if there were only one.

The census returns are not yet available for 1910, so the census of 1900 is at present taken as a basis. As an example of how this works out, let us take Indianapolis: The census of 1900 showed a population of 169,164. The payment to the trustee fund is at the rate of 20 cents for each thousand, eliminating fractional parts of $5; this would fix the payment at $30 for Indianapolis. If Bertermanns were the first to join they would remit $30 for the trustee fund, and a membership fee of $5 (which is the same for all members.) The annual dues are fixed at 10% of the payment to the trustee fund, which in this case would be $3, dues in no case to be less than $1. Now suppose that the Weigands also concluded to come in. The trustee deposit for the whole city, having been paid by the first member from that city, the secretary would advise the Weigands that their proportion was one-half of the

THE value of our "Directory of Reliable Retail Houses" is becoming better appreciated with each week and at the rate at which cards are now coming in, we trust before long to have a representation of first-class houses which will circle the country and include all live towns and cities.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. S. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS — NEW YORK STATE

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe
IN HEART OF NEW YORK CITY
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer
NEW YORK
609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard FLORAL CO.
NEW YORK
413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent
NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell
NEW YORK
571 Fifth Avenue

F. J. Johnston & Co. Florists
PROVIDENCE, R. I.
171 Weybosset St.

J. B. Keller Sons
ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist
SCRANTON, PA.
122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson
ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

WASHINGTON, D. C.
Gude Bros Co.
Florists
1214 F. Street, N. W.

Littlefield Florist.
WORCESTER, MASS.
407 & 9 40 Main St.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

For "Supply" Advertisements see pages 884-885

simply pay his part of the cost of maintaining the organization.

Applications have already been received from a large number of florists from all parts of the country, and these represent such a substantial and prosperous class that the success of the enterprise is now a certainty, and it is up to you whether you will move with the procession or watch it go by.

We have met with some objection from a few florists who had already established connections with other florists and were afraid they would have to change. I wish to make it clear that this organization does not try to tell its members where they must place their orders. We think that members will be apt to deal with their fellow members, but they are not bound to do so.

It is our plan to carry a complete list of members as a standing advertisement, so that in this way alone each member will get back all that the membership will cost him.

It will save confusion, and much extra labor for the secretary, if you will see your fellow retailers in your town and send the list of those who wish to join to the secretary. He can then send you a statement of the amount due from each. The secretary of the Florists' Telegraph Delivery is the secretary of the S. A. F. and O. H., viz.: H. B. Dorner, Urbana, Illinois. Other officers elected at the Rochester meeting in August were: Vice-president, W. J. Palmer, Buffalo; treasurer, W. L. Rock, Kansas City. Directors: A. B. Cartledge, Philadelphia; W. F. Gude, Washington; Fred H. Meinhardt, St. Louis; Philip Breitmeyer, Detroit; Ernst Weinhoeber, Chicago; George Asmus, Chicago; W. L. Rock, Kansas City; John Bertermann, Indianapolis; and Irwin Bertermann, Indianapolis.

Do not confuse this with any other organization of a similar nature. This is the only one organized under the auspices of the Society of American Florists.

Hurry up and get into the band wagon!

J. A. VALENTINE, President.

Denver, Colo., Oct. 20, 1910.

Box Bushes

Box bushes, or Boxwood, which advertisers are calling attention to at this time, are good selling stock for florists and nurserymen to have in supply because of their hardy nature, the bright green of their foliage, and the fact of their thriving in cities where many other evergreens would not. Probably their almost universal use in the vicinity of dwellings for years has in a measure accustomed them to such positions as a part of their nature; it is sure that their very thick leaves are not easily injured; and it is common to see them in built-up portions of cities where but few other evergreens would succeed. The only trouble these plants meet with in such locations is that of the red spider, but as hydrants and hose are connected with all dwellings no one should be pestered with these spiders, when a stream of water on the bushes now and again would wash every one off.

These Box bushes are most useful for Winter use indoors as well as outside a dwelling, because of their hardiness, and if wanted only for temporary use they can be preserved in many places until Spring, and then a place found for them in the garden.

These bushes are being grown now in all sorts of shapes to suit customers, ball shaped, bush form, pyramids and the like.

There are numerous varieties of Box, but with few exceptions all are forms of the common Box of England, Buxus sempervirens. The exceptions are a species and some varieties of it from Japan. Probably all the kinds handled for the holiday service are of the English kinds, though the Japanese one, Japonica, can be had in most all nursery collections, and it appears of the same degree of hardiness as the English.

The dwarf Box, "Box edging," is often listed as Buxus sempervirens, which is correct as far as it goes, but as all varieties of the English are entitled to the same name there should be added to it "suffruticosa," its varietal name.

J. M.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnehaha	Nov. 12	1.30 pm.	W. 16th St., N. Y.	London
St. Paul	" 12	10.00 am.	W. 23rd St., N.Y.	Southampton
D'a D' Abr'zzi	" 12	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Koenigin Luise	" 12	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Pennsylvania	" 12	2.00 pm.	1st St., Hoboken	Hamburg
Columbia	" 12	2.00 pm.	W. 24th St., N. Y.	Glasgow
Cedric	" 12	2.00 pm.	W. 21st St., N. Y.	Liverpool
Floride	" 12	3.00 pm.	N. Y.	Havre
La Gascogne	" 12	3.00 pm.	N. Y.	Havre
Noordam	" 15	10.00 am.	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 15	10.00 am	3rd St., Hoboken	Bremen
Batavia	" 15	12.00 m	1st St., Hoboken	Gib-Nap-Geno
Lusitania	" 16	9.00 am.	W. 14th St., N.Y.	Liverpool
Adriatic	" 16	9.30 am.	W. 21st St., N.Y.	Southampton
Samland	" 16	10.00 am	W. 18th St., N.Y.	Antwerp
Laura	" 16	1.00 pm.	Bush Dks, Bklyn	Nap-Pal-Tr'ste
Pr. F'd'k Wilhelm	" 17	10.00 am.	3rd St., Hoboken	Bremen
La Lorraine	" 17	10.00 am	W. 15th St., N. Y.	Havre
Germania	" 17		31st St., Bklyn	Naples-Mars.
Athinai	" 17		——Brooklyn	Piraeus-Smy'a Constant'ple
Caledonia	" 19	9.00 am.	W. 24th St., N. Y.	Glasgow
Philadelphia	" 19	10.00 am.	W. 23rd St., N. Y.	Southampton
Bleucher	" 19	11.00 am.	1st St., Hoboken	Hamburg
Berlin	" 19	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Minnetonka	" 19	11 30 am	W. 16th St., N.Y.	London
Arabic	" 19	12.00 m	W. 21st St., N. Y.	Liverpool
Hudson	" 19	3.00 pm	W. 44th St., N.Y.	Bord'x-Dunk'k
Kursk	" 19		Bush Dks. Bklyn	Libau-Rot'am
Antonio Lopez	" 19		Pier 8 East River	Cadiz-Barcel'a Genoa-Naples
Rotterdam	" 22	10.00 am	5th St., Hoboken	Rotterdam
Geo. Washington	" 22	10.00 am.	3rd St., Hoboken	Bremen
Sant' Anna	" 22		31st St., Bklyn	Naples-Mars.
Finland	" 23	10.00 am.	W. 18th St., N. Y.	Antwerp
Oceania	" 23	1.00 pm.	Bush Dks, Bklyn	Nap Pat-Tri'st
Teutonic	" 23	3.00 pm.	W. 21st St., N.Y.	Southampton
San Giorgio	" 23		Pier 22, Bklyn	Napls-Palrmo
La Touraine	" 24	10.00 am.	W. 15th St., N. Y.	Havre
Roon	" 24	10.00 am	3rd St., Hoboken	Bremen
Amerika	" 24	12.00 m.	1st St., Hoboken	Hamburg
Oscar II	" 24	2.00 pm.	17th St. Hoboken	Copenhagen
Campanello	" 24		Pier 38, Bklyn	Rotterdam
From Boston				
Zeeland	Nov. 1	9.00 am.	B& M Dks, Char	Liverpool
Numidian	" 16	8 00 am	Mystic Wbf, Char	Glasgow
Bohemian	" 16	9.00 am.	Clyde St., E. Bos	Liverpool
Cambrian	" 18	11.30 am.	B & M Dks, Char	London
Ivernia	" 22		B&A Dks, E. Bos.	Liverpool
Devonian	" 23	3.00 pm.	B&A Dks, E. Bos.	Liverpool
Lancastrian	" 25	6.00 am.	B & M Dks, Char	London
Philadelphia				
Siberian	Nov. 12		24 No. Wharves	Glasgow
Merion	" 19	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 25	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 26		24 No. Wharves	Glasgow
Friesland	" 26	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Nippon Maru	Nov. 22	1.00 pm.	1st Street	Honolulu
Siberia	" 29	1.00 pm.	1st Street	Japan
Chine	Dec. 6	1.00 pm.	1st Street	China

Some day, not far off either, all Retail florists will appreciate the advantage of this Department. But why wait? Break the ice now, and write us freely. Good photos wanted.

FLOWERS DELIVERED BY TELEGRAPH
Anywhere—At Any Hour
By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]



Store Front of Sidney Hoffman, One of the Large Retail Establishments of Boston, Having a Frontage of 105 Ft. It is situated at 59-61 Massachusetts Ave.

$30, which is $15, and upon its receipt he would refund that amount to the Bertermanns, so that each would have the same amount invested, and the deposit in the trustee fund from Indianapolis would be always the same.

For towns of less than 25,000 population the deposit is fixed at $5.

It should be borne in mind that the payment to the trustee fund and the $5 membership fee are made only once—not every year. It should be further remembered that if you choose to withdraw at any time you are entitled to get back the money you have on deposit in that fund, less your percentage of any bad bills that have been paid out of that fund. In other words, this Association is not for the profit of an individual, but each member will

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction

Fig. 110 shows the construction where a pipe post is used, P being a 2-in. iron pipe post set in concrete wall. The sills, S, are secured to same by means of the strap, A, which is fastened to the sills by means of wood screws, the wood sill being cut to go round the post.

In each of the three forms of semi-iron gable constructions described the details of construction above the door header would be practically the same as described in connection with Fig. 51, excepting where the iron posts were carried up next the door jamb to the end roof bar, 19,

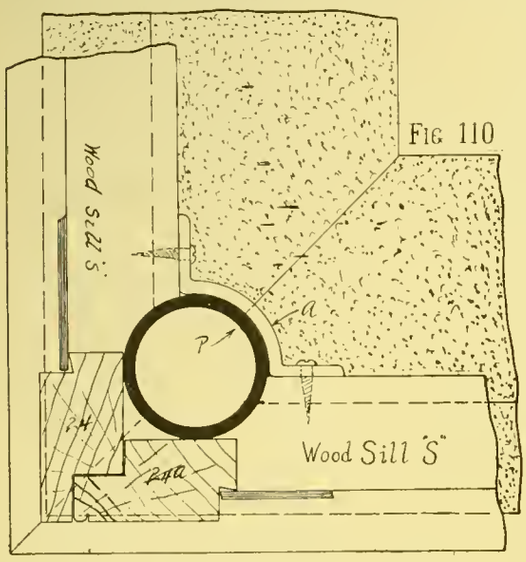


FIG 110

in which case it would not be necessary to continue the door jamb, 26, up to the roof bar, as before stated.

In the foregoing we have described all of the principal features in connection with the construction of semi-iron frame houses, and the data and proportions given should enable any grower who contemplates the erection of such a structure to decide the style and type of construction best suited for his purpose, and also to intelligently complete the erection. We will next take up the consideration of some of the principal types of iron frame houses.

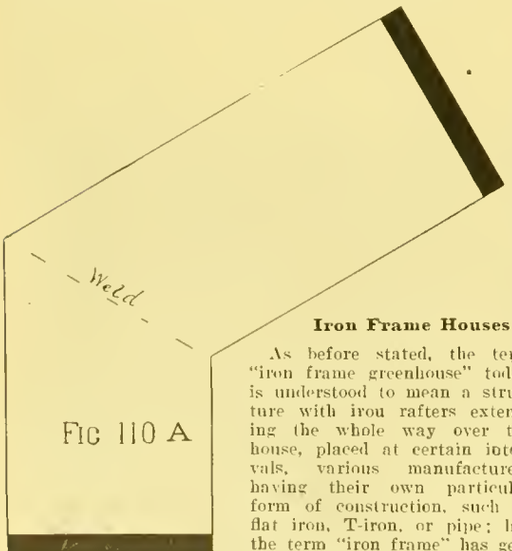


FIG 110 A

Iron Frame Houses

As before stated, the term "iron frame greenhouse" today is understood to mean a structure with iron rafters extending the whole way over the house, placed at certain intervals, various manufacturers having their own particular form of construction, such as flat iron, T-iron, or pipe; but the term "iron frame" has generally been used in the past to describe a structure which consists of a ½ in. thick steel rafter, extending from an iron ground post set in concrete, or from a cast iron sill set on top of a brick or concrete wall, to the ridge of the house, the width of the rafters varying from 2½ in. to 5 in., depending upon the width of the house and the number of supports used in same. These rafters are, generally, either cut and welded at the eave line, so as to form a sharp bend, and shown in Fig. 110A; or else they are bent to a small radius as shown in Fig. 111. The only advantage in the cutting and welding process is that the eave line is made to look a little neater than where the rafter is bent, but we are decidedly in favor of the bent rafter, as, while a welded rafter if properly done is fully as strong as the iron originally, if there should be any improper welding the strength is very much impaired; in the case of the bent rafter there is no possible chance of impairing the strength of the iron in this manner.

Many years ago, manufacturers of iron frame structures were in the habit of using a cast iron bracket at the eave line, and cutting the rafters at this point, securing them to the bracket with bolts; but this form of construction was discarded for some time and the rafter made in one piece, as described above, although latterly some manufacturers have revived the old method of construction, as described in connection with Figs. 68 and 69; and while this form of construction is not quite as neat looking as that shown in Figs. 110A and 111 it will make a thoroughly satisfactory house, and there are certain advantages in connection with this form, from a manufacturing standpoint, making it possible to cut down the cost of the structure.

Where the iron rafters are bent or welded at the eave line they generally extend in a continuous piece from the ground post, or sill, to the ridge; but in the case of very wide houses there is considerable difficulty in the shipping and handling of extremely long iron rafters, therefore it is sometimes found desirable to use splices. Of course,

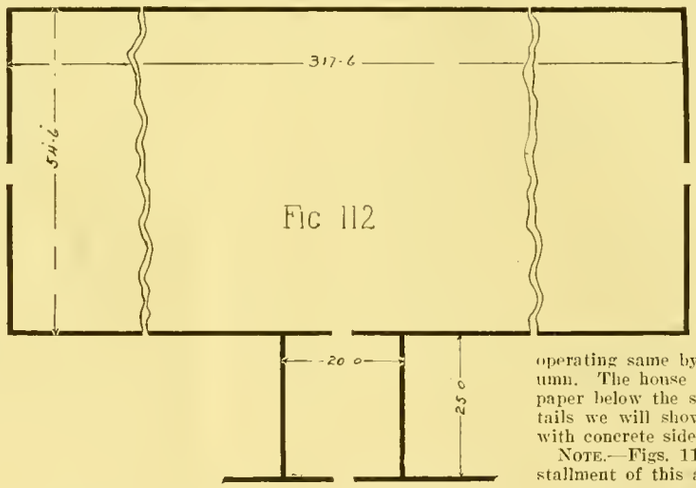


FIG 112

where the rafters are joined at the eave line with brackets or fish plates these additional splices would be unnecessary, within the limits of houses generally used today.

The iron rafters are placed usually about 8 ft. 4 in. apart, the distance being governed by the width of glass used and the number of lights of glass between the rafters. Where 16 in. wide glass is used, with six lights between the rafters, the distance is about 8 ft. 4 in., and where 24 in. wide glass is used, with four lights between the rafters, the distance would be about 8 ft. 3 in. Above the eave line of the house between the rafters, are placed angle or T-iron purlins, which are secured to the rafters with iron knees;

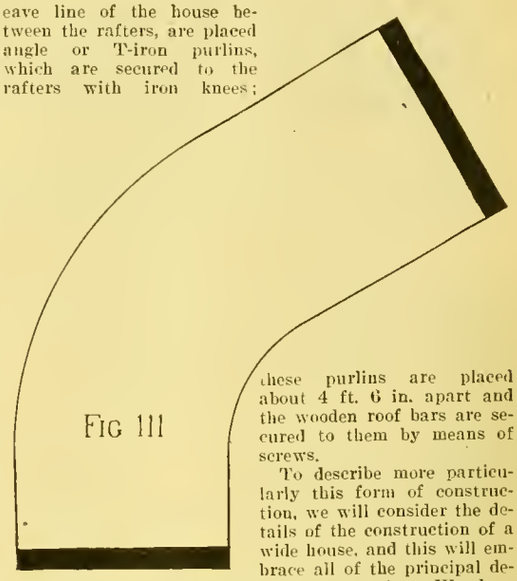


FIG 111

these purlins are placed about 4 ft. 6 in. apart and the wooden roof bars are secured to them by means of screws.

To describe more particularly this form of construction, we will consider the details of the construction of a wide house, and this will embrace all of the principal details for all widths of this type of construction. We show in Fig. 112 a ground plan of a house 317 ft. 6 in. long and 54 ft. 6 in. wide, with a 20 ft. connecting passage-way midway. This house was constructed a few years ago and has proved satisfactory in every respect; and having passed through quite a number of severe storms, during which the breakage of glass was very small, it is demonstrated that the proportions of the house are such as to give it the needed stability and the results in growing have been very satisfactory; therefore, it will be thoroughly safe to take this structure as a sample for proportioning other structures of a similar character.

In the construction of this house glass 16 in. wide was used, with six lights between each rafter, and the tongue of the roof bar being 7-16 in. thick admitted of the placing of the iron rafters 8 ft. 3¾ in. centers, with clearance for setting glass. These rafters were supported by four columns so as to reduce the weight of the iron rafter as much as possible. The general construction will be manifest as the various parts are described.

Fig. 113 presents an outside view of the house, showing one of the gables and also part of the connecting passage-way. Fig. 114 shows a general inside view, and Fig. 115 shows a portion of the house, illustrating the ventilating machinery and the means of operating same by carrying the worm rod down the column. The house was constructed with double board and paper below the sill, but in the consideration of the details we will show the alternate method of construction with concrete side walls.

NOTE.—Figs. 114 and 115 will appear in the next installment of this article.

The new edition of the Design Book, now ready for delivery, will be found a decided improvement upon all former issues; it has been completely remodeled and contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.



Fig. 113

The Week's Work

BY

FRITZ BAHR

Cyclamens

Care of the Christmas Stock

The plants intended for Christmas are receiving the most of our attention just now. They represent fourteen months of uninterrupted watchfulness and care, and it means a whole lot to us whether plants in full bloom will be the result or not for the holidays. About one month ago I spoke of their requirements in order to get the largest percentage to bloom by Christmas time, and want to impress upon you again, the beginner in particular, that it isn't a high temperature that is most important to accomplish this, but rather a light, sunny, airy house. Allow the sun to get around every plant! The house in which you grow your best Carnations is an ideal spot for such plants now. Avoid any overhead watering. While the plants are making a heavy growth during the Summer and Fall months, spraying the foliage is of the greatest benefit, but what you want now is development of the buds, therefore be careful in watering. Just apply the water to the soil, and not any more than necessary. I am convinced that a great deal can be done by the grower to get the plants into bloom early, and far more depends on the treatment the plants get during October and November than the age of them. It is only due to the great importance of the Cyclamen as a Christmas plant that I keep on calling attention to their culture. The small grower may not have facilities to grow, successfully, Roses or Poinsettias, especially where there is a lack of heat or, with Roses in particular, only old houses are on hand. A Cyclamen, to my mind, is not only a great favorite, and has been, long before our time, but it is also a plant which can be grown successfully in almost every greenhouse establishment, wherever the man in charge is willing to faithfully attend to its requirements. There never yet, to my knowledge, has been an oversupply of good plants for the holidays, and, again, I know of no plant which when well done will demand a higher price than a Cyclamen, taking the cost of growing into consideration—and, that is what many of us have to do.

Seeds to Sow

Take Advantage of the Present Time and Sow Cyclamen Seed

It is still time to sow out Cyclamen seed, in fact this can be done for another month yet, and good stock can be had for a year from now. There is nothing gained by putting off this work. If you intend growing your own plants from seed and haven't sown the seed yet, get at it at once. I might call attention to the advantage you have from now on, in placing the flats you use for sowing on the hot water returns; here, if properly attended to in regard to watering, you will gain from ten to fourteen days in getting the seeds to germinate. This means a saving of time, and I believe by so doing a greater percentage of plants will be the result, as compared with results from seed sown where no bottom heat is made use of. Be sure to remove the little seedlings from the seed flats as they appear, and transplant them into other flats, which should be placed on a light bench. Usually, wherever hot water returns are found, there isn't much light, and while this is just what you want for any seed while in a dormant state, it won't do for the young seedlings, and the time it takes from the day the first one makes its appearance until the last one has arrived extends over many weeks. The transplanted seedlings from seeds sown several months ago are showing their second and third leaves now, and while their growth will hardly be noticeable from now on and during the next two months, it would be wrong on that account to neglect them in any way. Select a nice light bench for their Winter quarters. If in flats they are about as well off there as in pots, but if pot culture is preferred make use of 2" or 2½" sizes. A rather sandy soil, such as will induce root growth and is the least liable to sour during our short days to come, is the best. There is little use in adding manure to the potting soil, the little plants do not require it; and we all know any excess of manure in a soil, if not used up by the plants, does not help to keep the soil sweet.

Narcissus

Plants Intended for Early Blooming

The early planted Paperwhites are showing buds, and will be in bloom nicely for Thanksgiving. I never yet, in all the years I have handled Paperwhites, found any particularly extra demand for the flowers for Thanksgiving Day, and yet, as with the first Chrysanthemums, there is something welcome about the first Narcissus when coming into bloom, and we find, always, customers who will pay a fair price for the first batch ready for the knife. Plants intended for December flowering should now be brought indoors; they are not benefited by frost in the least. A light, cool house will give you short, stocky plants which, should occasion require, can be brought into warmer quarters at any time in order to get them into bloom. But remember, the more time you can let them have the more perfect the flowers and the better the stems. If you planted any of the double Roman Narcissus, or any of the others of the Polyanthus section, a little higher temperature than that required for the Paperwhites is necessary in order to get them into bloom for Christmas; but with them, as with all other bulbs we bring into bloom during the Winter months, it is absolutely necessary to have the plants well rooted. While I have planted Paperwhites right out in a bench of a house where 50 degrees at night was the rule, and obtained fairly good results, double Romans planted October 16, 1909, and brought in the flats to a Carnation house in order to get them into bloom by Christmas, about the middle of November proved most unsatisfactory; while bulbs planted from the same stock September 21, and treated in the same manner came in on time and produced fully 90 per cent. of good flowers. Whether this was altogether due to the early planting or not I can't say, but it looks to me that way.

Roman Hyacinths

Time to Bring in the Plants Intended for Christmas

There are small lots of Roman Hyacinths used from the middle of November on. The retailer has use for this graceful little flower whenever it is to be had, and there are many ways in which it can be used to great advantage as a cut flower. For Christmas, however, it is also of great value as a plant for made-up dishes and pans, and for use in plant arrangements it adapts itself better than any other of the few plants we have in bloom at that time grown from bulbs. The plants can be lifted when in bloom out of the flats they are grown in, and it seems to make no difference whether you take any roots along or not; as long as the soil surrounding the bulbs is kept moist the plant will keep on blooming until through. To get a good number into bloom for the end of December should be the object of every retail grower who has a Christmas trade to supply. Only too often in the rush of Fall work the bringing in of the Roman Hyacinths is put off until too late, in order to have them at their best for Christmas; and whenever this happened to us, and it has happened, we keenly felt the loss and paid dearly for the negligence. Stock intended for Christmas blooming should come in at once, and be placed in a Carnation house temperature. As long as the bulbs have plenty of roots it matters little whether the new growth has pushed its way through the soil on top or not; a few days inside, with sunshine and plenty of moisture, will get life into the flats. Don't worry because the plants appear to be rather short when the buds begin to turn from green to white—they will soon stretch. Especially for made-up dishes you want short stocky plants. In a temperature of 60°, for a few hours only, you can get the stems to lengthen out very quickly; and only too often we find trouble with plants which, when brought into bloom in too high a temperature, have stems too long to hold up the flowers properly—and that renders them useless, except for cut flowers.

Roses

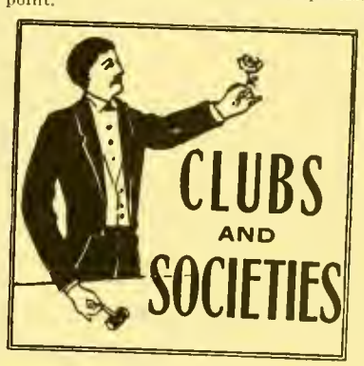
Pot Up a Good Supply for Easter Blooming

With Easter coming as late as the middle of April, even the small grower, the one who perhaps lacks proper heating facilities, will be able to have a good batch of Formosum Lilies as well as a nice lot of potted Roses in bloom for that greatest of plant days. There is no question but what Rose stock grown in pots during the Summer months is to be preferred, whether for early or late blooming; such stock you can start up quicker, for the roots to support the plants are already there; while stock which has had field culture during Summer, and was potted up in Fall, has to form roots before growth could be expected. With the temperature near 20 degrees last week, for several nights, Roses, whether Hybrid Perpetuals or of the Crimson Rambler type, are in fine shape to be potted up, and no time should be lost in getting at the work. When we get toward the middle of November there is no telling, whether you are located in the East or West, what tomorrow will bring, and the work of potting up a supply of Roses is too important to take any chances on. While I don't approve of using larger pots than are absolutely necessary for the plants, it is wrong to try to use a 5" pot where a 6" or 7" ought to have been made use of. The greatest drawback with some of our Roses in pots offered during the Spring months is their bareness on the lower part of the plants. This deficiency does not add any to the attractiveness of the plants. Deep planting, especially with budded stock, will overcome this deficiency to quite an extent. You usually cut the stems back to about 6", and that is all that should show above the pot rim, not 3" to 4" of the root neck and part of the roots, as is often the case.

Coldframes

Their Great Importance to the Average Grower

Of as much use as the best greenhouse ever built is the coldframe to the average grower, and especially to the one who retails his stock and on that account is obliged to grow and handle so many different plants. It is hard for me to understand how some men manage to get along, either without any, or only a limited area devoted to coldframes; and while we might call anything a coldframe where frames of wood are made use of covered by sash, it is the deep frames I want to call attention to in particular. Just what material is made use of, or how constructed, while of great importance, is not of as much consideration as the getting of a frame of an average depth of about 2½ to 3 ft., protected so as to be almost frostproof and provided with proper drainage. Such a frame will form an ideal place in which to store your pot Roses, Deutzias, Azaleas, or any of the potted Perennials or shrubs to be brought into bloom during the Winter months. In Spring such a frame can be used for hotbeds, and can be utilized in Summer for Cyclamens, Primulas and many other plants. There is no better time than the present for planning and constructing coldframes of this type, or to add to what are already on hand, as we are about to do. I have yet to find the place where there were too many frames, it is almost impossible; but there is such a thing as not having half enough, and as the average man can glaze his sash and build the frames, whether of wood or concrete, without hiring extra help, it seems wrong to be weak on this important point.



Andover Florists and Gdrs.' Society

The Andover Florists and Gardeners' Soc. held its annual dinner on the evening of Nov. 4, at Phillips Inn. After the usual bountiful supply for the inner man had been discussed, a short business meeting was held. The committee on the amateur flower show made its report, and a committee consisting of Geo. D. Millett, J. H. Playdon and Alex. Brown was appointed to act in conjunction with the committees appointed from the amateurs, the Andover Guild, and the Andover Village Improvement Society, to work for the show for 1911. G. D. M.

Newport (R. I.) Hort. Society

A regular meeting of the above named society was held Tuesday, Nov. 8, President James Robertson was in the chair.

There were some extra well-grown Chrysanthemums, in 6" pots, on exhibition, the varieties being Col. Appleton, Peter Kay and a white unnamed seedling. Also a vase of cut blooms of fine form and finish. These, as well as a specimen pot plant of a beautiful single of a Rose pink color, were grown by A. Jenkins. On recommendation of the committee, Messrs. John P. Hammond, John Forbes and William Gray, the new single, which has been named Wm. F. Smith, was awarded a first-class certificate of merit. A cultural certificate was awarded the fine display of standard varieties shown. To the white seedling Chrysaothemum, raised by John Marshall, and which was shown at the last meeting, the Society's bronze medal was awarded. This is a white flower of medium size, in form much like Major Bonnaffon.

Messrs. Wm. Gray and William McKay, who attended the C. S. A. annual show, gave a very interesting account of it.

A discussion on the question as to whether Chrysanthemums had been improved in the past ten years was taken part in by several of the members; and the general consensus seemed to be that in the matter of size there has been an improvement; some were of the opinion that color should be given more points than size in the scale of points; it was pointed out, however, that for commercial purposes size determined the price.

For the next meeting, which will be held Nov. 22, Vice-President John P. Hammond and John Forbes are to prepare papers on some subject of their own choosing. ALEX. MACLELLAN.

Detroit Florists' Club

The Detroit Florists' Club will hold its annual exhibition, at the Michigan Cut Flower Exchange, on the evening of November 18. Outoftown growers are cordially invited to send novelties for this show.

During a Club meeting the question came up as to why 'Mums are so much smaller this year than in previous years. M. Bloy gave a very logical explanation, stating that hot weather caused short growth and early wood formation. This wood formation being a hardening of the sap-distributing vessels prevented a free circulation of sap towards the buds, and consequently small flowers.

Mr. Bloy and Mr. Knope also laid great stress on the inferior quality of bone meal sent out of Chicago lately. The roots of plants, they said, seemed to grow away from this fertilizer instead of growing to it. In many instances this bone meal caused the soil to sour and produce green, mossy growth. FRANK DANZER.

Albany Florists' Club

The regular monthly meeting of the Club was held at 71 State st., Thursday, Nov. 3. The minutes of the Show Committee were read by Secretary Davidson, who reported that everything had been attended to; he further called every member's attention to the fact that the desire of the Club was that the members do their best to have a big attendance and make the show a success.

Letters of thanks were read from Alfred E. Whittle and Edw. F. Meany, for the wreaths sent by the Club as a token of respect on account of death in their families.

The following candidates were taken into the club: Clarence N. Gordinier of Troy, Edw. W. Stearns, Ernest Harris, Frank E. Berbrick, Adell Van Wie, Morton R. Tank and Edw. C. Lowell.

The question box was next in order. One question was, "How to keep Poinsettias from wilting after they are cut?" Mr. David aswered, saying he had tried it and knows that all hardwood cut flowers can be freshened up and kept from wilting by putting the stems in hot water. Mr. Danker reported that he had cut some Poinsettias which he planted in benches in the greenhouse and they wilted, but some planted in pots and boxes kept up and did not wilt. The last question was, "Which is better, to cut or pull Asparagus Sprengeri?" Pres. F. Goldring answered, saying that he had had his own experience, as follows: One year he cut his Asparagus and had no good results. After making one or two cuttings, his plants did not grow and they produced nothing but small shoots; last year he pulled them and always had a large supply on hand, and they seemed to grow longer and stouter stems. He recommended pulling as the best method.

Pres. Goldring called the attention of the members to the fact that at the next meeting, Dec. 1, nominations and elections of officers will take place. The meeting then adjourned.

Skaneateles, N. Y.

J. G. White, the leading florist here, and his men have been a very busy lot, coupling up the hot water pipes in his new house. By the way, his new house is a beauty, 80 by 40 ft., concrete walls, iron gutters and the ventilating apparatus of the latest pattern. It is devoted to Carnations entirely, in solid beds, with concrete walls; the plants are a nice healthy lot, throwing up lots of buds and promise a fine crop for the holiday trade. His 'Mums are very good. He does not attempt to grow single stemmed flowers, but such as he can sell from one to two and half dollars a dozen. He has a large block of Callas looking very fine.

Mrs. Daneer, of the Evergreen Nursery, has her place in splendid shape, and the stock is looking very fine despite the drought. H. Y.

Greenhouse Building

Wm. H. Lutton has closed several large contracts during the past month, the most important being one for a large range for Price McKinney, Cleveland, Ohio, and others from the Mrs. S. Neustadt Estate, Chappaqua, N. Y.; E. L. Meyers Estate, Huntington, L. I., N. Y., and R. Sidenberg Estate, Rock Ridge, Greenwich, Conn

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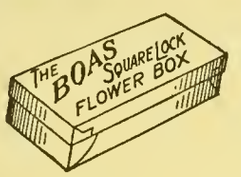

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†21x7x3½*	3.25	22x22x8	12.00
†24x5x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x5*	5.00	30x30x10	24.00
28x8x6	6.00	18x10x8	8.00
28x12x4	6.50	20x15x8	10.00
25x15x5*	7.25	24x18x8	12.00
†30x5x3½*	3.75	28x22x8	13.50
†30x10x6*	7.50	30x15x8	13.50
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"And it's ourselves that will be after having it again if it does take a bit of fight to get it," said the Ladies of Killarney.

"Let us get into line and march to the market place, singing 'My Maryland,'" quoth John Cook's most distinguished daughter.

"Better still, let us sing America," this from the Beauty. "Or The Wearing of the Green," replied Killarney.

"What's the matter with the "Watch on the Rhine"? claimed the Emperor's protégé, Kaiserin Augusta Victoria.

"Let us invite Miss Cattleya and her sisters, and poor neglected Miss Lily, and Sweet Gardenia to join our blue-blooded train," urged Perle des Jardins, "and as we march along we can also chant the Marseillaise."

"Don't you dare be taking up the stage during our season," cried a voice with a strong Oriental accent; this dare proceeding from a tall form which overshadowed and overawed all the aristocrats; "keep well back in the ice box or out of the market altogether!"

At this command, all the speakers, American Beauty, French, German, the beautiful Southron, and even the fighting Irish, gave way, and the "Queens of the Autumn" trooped in, a stately throng of various complexions, some with straight and some with curly locks, showy forms and vigorous frames.

"My! My!" said a modest little lass, who looked quite blue, "if any of those big 'Queens of the Autumn' should ever step on us it would be all over with poor little Maria Louise and Princess of Wales. We had better take an express for Rhinebeck and stay there awhile until this trouble is over."

The "Divine Flower" looked calmly on as the showy Oriental queens filed in, nearly filling up the whole market place, saying firmly, "With the Lily of the Valley by my side I am going to put up a stiff fight; I am here and I will not retreat. Come out of the ice boxes, all you aristocrats and get out on the fighting line along with Valley and I. These 'Queens of the Autumn' are indeed taller and larger than we but, in a long fight we must surely win, as we have the better staying qualities."

In the wholesale cut flower districts throughout the country the battle is fiercely raging. It is likely to be waged for several weeks to come and to be attended with some loss of fragrance and many fatalities.



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What is claimed to be the largest Apple grown in England this year was sold to Messrs. Adams, of Bond st., for £14 14s. (over $70) at Covent Garden, Oct. 19. The money will go to the Charing Cross Hospital. The Apple, which is of the variety known as Gloria Mundi, was grown at Hereford. It weighs 27 ozs., and is 16½ ins. in circumference.—*Nurseryman and Seedsman.*

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customere.

If you have a counter trade, either in plante, eeeds, flowers or bulbs, you should have a eupply of these leaflets on hand to present to your customere when they eeek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and eee what a help they are in selling goods.

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

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** THE EVERGREEN **ALABAMA** QUICKEST **SHIPPER**

Please mention the Exchange when writing.

COMMERCIAL VIOLET CULTURE Price $1.50
A.T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N.Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man. A1 grower of Roses and Carnations. Address "Florist," 156 E. 33d St., New York City.

SITUATION WANTED—By German, experienced in Carnations, 'Mums and general stock. References. L. Geh, 249 Hamburg Ave., Brooklyn, N. Y.

SITUATION WANTED—By young man, salesman, maker-up and designer. Steady position in first-class store expected. O Hauschild, care of Wallace, 109 West 90th St., New York City.

SITUATION WANTED—As foreman on commercial place, 17 years' practical experience in Roses, Carnations, Violets and general stock. Address, stating wages, C. A. Lyle, Raleigh, N. C.

SITUATION WANTED—By storeman, now employed as designer, decorator and buyer; advertiser wishes to change position. Highest references. Address, P. A., care The Florists' Exchange.

SITUATION WANTED—By experienced grower of Carnations, 'Mums, Peas and general stock; 10 years' experience; age 23, German, single, good references. New England vicinity preferred. Please address F. Schlecht, 535 Clenwood Ave., Manchester, N. H.

SITUATION WANTED—As grower by experienced florist and plantsman, capable of producing first-class stock. 22 years' experience; American, 40 years of age, married, sober, reliable, energetic. Good references. Address, O. H., care The Florists' Exchange.

SITUATION WANTED—Near Philadelphia, as propagator and foreman of greenhouses. Expert grower in perennials and ornamental nursery stock; also competent landscape gardener; 16 years' European and American experience. Address, P. G., care The Florists' Exchange.

SITUATION WANTED—By young man, Swede, 6 years' experience in greenhouse work; 3 years in this country. Well versed in Carnations, Chrysanthemums and general stock. Private or commercial place. Good references; willing and obliging. Address, P. E., care The Florists' Exchange.

SITUATION WANTED—By young man, 22, of neat appearance, who wishes to connect with a retail store; has some knowledge in decorating and designing. Good salesman, capable of waiting on high-class trade. Thoroughly sober and honest.; A1 references. Address, stating salary to start, P. B., care The Florists' Exchange.

SITUATION WANTED—By a practical man, life experience, well up in the cultivation of fruit, vegetables and plants under glass; good knowledge of landscape work, also growing of fruit and vegetables outside; handle men to good advantage. Well recommended; age 38; married. Address, John Thatcher, Chester, W. Va.

SITUATION WANTED—As assistant gardener on private place by a Norwegian, 25 years of age, single, 10 years' experience; references. Address P. D., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 41 years of age, single, German, sober and good worker; a first-class all-around man, experience from private and commercial places on under glass and outside work; good maker-up. Experience in Roses, Carnations and 'Mums; first-class references from former and last employer. Please state wages and particulars. Address A. R., care Mr. Prager, 172 West 124th st., New York City.

SITUATION WANTED—By thoroughly competent landscape architect of long and extensive experience; able and independent designer and draughtsman; expert in construction; also competent florist in decorations and designs as well as in greenhouse and outdoor culture, forcing, etc., and in the care and maintenance of parks. Advertiser desires to accept position for development or superintendence of private or public property. New York State preferred. Please address M. C., care of Room 614, 60 Wabash avenue, Chicago, Ill.

HELP WANTED

WANTED—Storeman; must have at least three years' experience with fine trade. Salary $25.00 weekly. Apply, "Quality," care The Florists' Exchange.

WANTED—Good grower on commercial place where general stock is grown. Capable of taking charge. Give age and place where last employed. State wages expected. Munro, 974 Chapel St., New Haven, Conn.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—Two section men for a commercial place where Roses are principally grown. Wages $12.00 to $14.00 per week according to ability and experience. Address, "Roses," care The Florists' Exchange.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—A very capable young man for a first-class flower store; he must absolutely know all branches of store work, be sober, honest and industrious. Apply, sending recommendation, to Henry Pfister, 1120 Connecticut Ave., Washington, D. C.

WANTED—Bright young man with experience in a wholesale and retail seed business; one competent to put up bulk orders, also wait on counter trade. Address, with particulars, giving experience and reference, P. O. Box 1594, Philadelphia, Pa.

WANTED—An all-around greenhouse man, who is able to attend to boilers; must be sober and a willing worker; English language necessary. Salary $12.00 per week. Apply, giving references, to George McKensey, 116 Orange Road, Montclair, N. J.

WANTED—A first-class Rose grower and assistant foreman for a commercial place near New York. Good salary to right party. Give all the particulars you can in your letter which will be considered confidential. Address, "Assistant Foreman," care The Florists' Exchange.

WANTED—Florist, salesman and high-class maker-up; a man with thorough experience and the best of recommendation can find employment with a high-class New York florist; wages to start, $25.00 per week. Address, P. C., care The Florists' Exchange.

WANTED—Single man with experience growing Roses, Carnations and general stock on commercial place of 16,000 square feet of glass and to help with fires at night, etc. Wages, $30.00 per month, room and board. Send references and state experience, nationality, etc. Arthur Taylor, Onaway Greenhouses, Boonton, N. J.

WANTED A CAPABLE SALESMAN

There is a good position with an American Import House for a capable salesman to sell bulbs. He must be of good appearance and character. An experienced man preferred. A good salary for a good man. Communications treated strictly confidential. Address,

SALESMAN, care The Florists' Exchange.

EXPERIENCED SEED CLERK WANTED

One that understands both wholesale and retail handling of Garden and Flower Seeds, and that has some experience with Farm Seeds. We have a good position for the right party. Do not apply unless you understand the Seed Business thoroughly. When writing, state salary expected. The position will be permanent to the right party. Give references.

Address:

OTTO SCHWILL & CO., 18 & 20 S. Front St. MEMPHIS, TENN.

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of Yellow Ivory and White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS—To be sent as soon as blooms are cut. Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $25.00 per 1000. M. Donellan, Pres. Taft, Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Nell, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry II, Sunderbruch, 60c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

ASPARAGUS SPRENGERI—600 2¼ and 2½ in. pots, $1.50 per hundred for lot. Cash. Queen City Floral Co., Manchester, N. H.

STOCK FOR SALE—Heliotrope, rooted cuttings, dark colors, $1.25 per 100. Stephen B. Hoyt, New Canaan, Conn.

CHRYSANTHEMUM STOCK PLANTS of Early Snow for sale or will exchange for Primula, Cineraria, Cyclamen or Poinsettia. S. B. Hoyt, New Haven, Conn.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $16.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

JAMESTOWN PHLOX, brightest red, $6.00 per 100; Delphinium Formosum, light and dark blue, $7.00 per 100. Samuel Smith, Florist, Jamestown, R. I.

GERANIUMS, rooted cuttings: S. A. Nutt and Grant, $1.25 per 100; $10.00 per 1000 Now ready. Cash. W. C. Myers & Sons, Scottdale, Pa.

BERBERIS THUNBERGII—New clean seed, $1.50 per lb.; $6.60 per 5 lbs. Clematis Paniculata, $2.25 per lb. F. N. Hedden, 145 Pond St., Providence, R. I.

PRIMULA OBCONICA—Pink, lavender and Baby Primroses, 2¼-in. pots, $1.80 per 100. Satisfaction guaranteed. Binghamton Seed Co., Binghamton, N. Y.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

FERNS—Boston, Whitmani, Scottii and Piersoni, 6 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

DAHLIAS, for Dealers, Seedsmen and Growers. 60,000 large clumps, up-to-date varieties, cheap, for Fall delivery. Cash with order. Send for prices and list. Northboro Dahlia and Gladioli Gardens, J. L. Moore, Prop., Northboro, Mass.

FERNS—Scottii, Boston, Whitmani, Elegantissima, clean, healthy plants, good color, grown in pots in frames: 5-in. pots or pans, $3.00 per doz., $25.00 per 100; 6-in. pots or pans, $4.50 per doz., $35.00 per 100; 8-in. pots or pans $1.00 each, $12.00 per doz. Cash please. Ley & Bickings, Good Hope, D. C.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Strong pot grown **ENGLISH IVY** Plants, 3 to 4 ft. high, $18.00 per 100. Cash with order.

HENRY RUDOLPH, Essex Fells, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

CINERARIA
Stellata Plants

Fine, strong plants, out of 3-inch pots, finest varieties, **75c. per doz.; $5.00 per 100.**

Stumpp & Walter Co., 50 Barclay St. NEW YORK CITY

CYCLAMEN, 6-in., in bud, 26c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 6c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $26.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 6 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 5-6 in., 15c.-25c.

All above stock is A No. 1 and of large size.

Cash from parties unknown.

JOS. J. SOKOL, Westville,
New Haven, Conn.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

Asparagus Sprengeri

Strong 2½-inch pots, ready to shift $2.50 per 100, $22.50 per 1000

JACKSON & PERKINS CO.

Florists and Nurserymen, Wholesale only

NEWARK, Wayne County, NEW YORK

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

FOR SALE OR RENT

FOR SALE—Well established retail seed store, location, Cleveland, O. Address, O. A., care The Florists' Exchange.

FOR SALE—Retail flower store in good location of New York City. Funeral designs a specialty. Good reasons for selling. Address, P. F., care of The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—300 feet of 2-in. wrought iron pipe, good threads and couplings, 6½c. per foot. G. Marti, Arlington, N. J.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3600 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

AUTOMOBILISTS, ATTENTION.—Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

GLASS FOR SALE

125 boxes, 16 x 24 and 12 x 16, new, double thick greenhouse glass. Taken for debt.

L. GILLIS, 180 South 9th St., Brooklyn, N. Y.

FOR SALE—600 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.

I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—SECOND-HAND STEAM BOILERS. Very cheap and in excellent condition. 1—150 h.p. Return Tubular Boiler, 72 in. x 18 ft. long. 1—76 h.p. Return Tubular Boiler, 60 in. x 16 ft. long. 1 Battery of two 75 h.p. Return Tubular Boilers, each 60 in. x 16 ft. long. All complete with full fronts, grates and all trimmings. Prices on application. KROESCHELL BROS. CO., 468 West Erie Street, Chicago, Ill.

1¼ inch STEAM PIPE

For Sale. 20,000 Feet

At three cents per foot, cash, delivered on cars Washington D. C. Guaranteed well threaded couplings, and free from holes and splits

FRANK I. WHITEHEAD, Washington Post Bldg. WASHINGTON, D. C.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 2 ply guaranteed 100 lbs. pressure, 5½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete; $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE.

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 16 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.

PRINTING FOR FLORISTS

50 Visiting Cards 28c., 1000 Tags $1.75, 1000 Envelopes $1.90, 1000 Letter-heads $2.25. Illustrations free. Agents wanted.

FRED. A. SOTTER

Box 86L DOUGLASSVILLE, PA.

Please mention the Exchange when writing.

THE AMERICAN CARNATION PRICE $3.50

A.T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N.Y.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(118) **A Question of Judgment.**—I am in a competition of specimen plants of 'Mums, yellow, pink and white; each variety is kept separate. Supposing they are mixed in the pots they are grown in, could they then be entered in the competition?—N. F., N. Y.

—Unless the exhibition of mixed colors of Chrysanthemum plants is mentioned in the schedule of awards as allowable, it would be running a risk to exhibit such, as they would probably be disqualified by the judges.

(119) **To Have Sweet Williams in for** Memorial Day.—How shall I treat Sweet William plants to get them in bloom for Memorial Day? The plants are now in the field.—P. H., Mass.

—Carry over the Sweet William plants in coldframes, and they can probably be brought on fast enough under the sash in Spring to have them in bloom for Memorial Day. If, toward the last, it is seen that they are coming a little too early, they can be given more air, and so hardened off, which will be better than hurrying them toward the last of May.

(120) **Spanish Iris.**—I wish to force a few thousand Spanish Iris. Will you kindly tell me how to treat them? They are now in pots and flats. How long must they be brought to heat before they are wanted for a certain date, Easter for instance, and what temperature? I also planted some out in the lawn: will they bloom in Spring before or after Tulips?—J. P. J., N. Y.

—Several questions in regard to the forcing of Spanish Iris have been answered in our Question Box the past Summer and Autumn; these notes would propably be interesting to you. Bring the Iris in about six weeks before it is desired to have them in bloom. Give them a temperature of from 45° to 50°, raising or lowering this, as it is seen necessary to hasten or retard the blooming. The Tulips in the lawn will probably bloom shortly before the Iris.

(121) **Shipping Lily of the Valley.**—Please give me full directions for packing Lily of the Valley blooms to go by express to the New York market. At what stage of growth should they be cut?—W. D. H., Mass.

—Cut the Lily of the Valley when nearly or quite in full bloom. Grade the flowers into No. 1 and No. 2. Put up in bunches of 25 sprays. Put just a few leaves in with the flowers and as many around the flowers as you can spare for that purpose. Bunch so that the flowers will be a little above the leaves and not be hidden by the outer row thereof. Pack horizontally, and rather closely, without paper between, about 2000 to 3000 sprays to a box which is from 80 to 120 bunches. Ask the wholesaler to whom you ship to advise you whether the packing is satisfactory.

(122) **Diseased Carnations.**—Enclosed please find specimen of Enchantress Carnation plant. Will you kindly let me know what has affected the same? —C. J. H., Pa.

—The Carnation in question is badly affected with "die-back," a disease bearing much resemblance to "stem-rot," except that the latter kills the whole plant, while the "die-back" frequently kills it by sections. There is little that may be done for this disease except to cut out the decayed branches, and encourage a more healthy growth by plenty of fresh air and light, at the same time avoiding excessive moisture either at the root or overhead.—W. H. T.

(123) **Specimen for Identification.**—A. D., N. Y.

—This is the Euonymus Sieboldianus, as known in collections; it is evergreen where freezings are not severe.—J. M.

(124) **Planting Dahlias in Los Angeles.**—When is the proper time to plant Dahlias in Los Angeles, Cal.? Also when should they be again taken from the ground?—V. C., N. Y.

—Dahlias may be planted in southern California at any season of the year, and never be again lifted, unless wanted for sale. Commercial growers dig them about December, stack them up under any kind of cover to keep the Winter rains off the roots, and divide them up as wanted by their customers. Once a high priced variety gets away from a nurseryman he need never hope to sell another plant in the immediate neighborhood where the first one was planted. They multiply so rapidly and are so easily cared for that enough plants from the division supplies all neighbors with all they want after the first season. Strange as it may seem to an Eastern gardener, it is a fact that there are ten Chrysanthemums grown in southern California to every Dahlia. —P. D. B.

(125) **Insect on Rose Leaves.**—H. R. C., Mass.

—The insect occurring on the Rose leaves is the larva of the Cacoecia rosaceana. This insect often causes injury to a greater or less extent upon Roses, but it may be controlled by the use of Pyrethrum powder or kerosene emulsion at the first sign of injury. Most florists control the pest, however, by observing the larvæ when they appear and simply crushing them on the leaves by hand, and I expect that this would be the most practical method to be employed by the florist.

THOMAS B. SYMONS,
State Entomologist for Md.

RINGTOWN, PA.—Benjamin Zimmerman is building a large greenhouse.

PHILADELPHIA, PA.—Frederick Eldridge will build a greenhouse, 17x100 ft., at 5222 Germantown ave.

PUNXSUTAWNEY, PA.—A large section, 180x30 ft., is being added to the Crissman greenhouses in the West End.

OROFINO, IDA.—Geo. Alteneder is erecting three large greenhouses in which to raise vegetables for the local market.

YOUNGSTOWN, O.—John Walker has purchased a tract of land near Boardman and will erect a big greenhouse there the coming Spring.

LAFAYETTE, IND.—Herman Roth is soon to make important additions to his greenhouse plant.

Cost is measured by the results obtained and in no other way

"Replying to yours of even date, would say, do not continue our advertisement as our Carnation Plants are all sold. Your paper was issued on Saturday and that evening we had a telegram for the entire lot of plants. We received the same satisfaction from our advertisements inserted several weeks ago."

Address of this advertiser upon application.

DRACAENA INDIVISA

2-inch, $2.00 per 100; $16.00 per 1000.
2½-inch, $2.50 per 100; $22.00 per 1000.

These will make good 3¼ and 4-inch stock for Spring trade. Also field grown plants ready for 5 and 6-inch pots, 10 cents each.

CYCLAMEN, nicely budded, in 4-inch pots, $15.00 per 100.
ASPARAGUS SPRENGERI, 2½-inch, $2.50 per 100; 3-inch, $4.00 per 100.
ASPARAGUS PLUMOSUS, 1¾-inch, strong, $2.50 per 100; 2½-inch, $5.00 per 100.
FERNS, Scholzeli, Boston and Whitmani, fine plants in 4-inch pots, 20 cents each.
CINERARIAS, finest **Dwarf Strain,** from 2½-inch pots, $3.00 per 100.

WETTLIN FLORAL CO., Hornell, N.Y.

Please mention the Exchange when writing.

GIANT PANSIES

Bugnot, Cassier, Odier, etc., mixed, guaranteed A1. $2.50 per 1000.
CUPHEA, 2 in., 1½c., R. C., 75c. per 100.
HELIOTROPE, 2 in., 1½c., R. C., $1.00 per 100.
DOUBLE PETUNIAS and WHITE PARIS DAISIES, $1.00 per 100.
RUBBERS, fine stock, 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $2.00 per 100; **Carminea,** 2-in. pots, $3.00 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and **CAMPANULAS,** all from field, $1.00 per 100.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100 **Rooted Cuttings,** $1.00 per 100.
FEVERFEW, Gem, 2-in., $2.00 per 100.
SALVIA, Bonfire, Zurich and **Splendens,** 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.50 per 100.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown; they are very fine and bushy, just loaded down with berries, $15.00 and	$25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size.....$8.00, $20.00 and	25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 2 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Smilax Plants

Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.

R. KILBOURN, Clinton, N. Y.

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Prices Advertised in these Columns are for THE TRADE ONLY

CHRYSANTHEMUMS

FOR 1911

Why not place your order now for the Novelties?

COMMERCIAL

Smith's Advance. White, flowering from July to October, C. S. A. Certificate.

Unaka. Rose, flowering from Oct. 1 to 15, C. S. A. Certificate.

Chrysolora. Fine incurved yellow, Oct. 15 to Nov., C. S. A. Certificate.

Dick Witterstaetter. Bright crimson, fine midseason, C. S. A. Certificate.

We shall have several late ones of equal merit.

EXHIBITION

Lenox. Incurved yellow, 9-in. in diameter, winner of Dreer special prize at Morristown for best American seedling.

Morristown. A very long-petaled rose-colored, 8½-in.

Tarrytown. A light salmon pink, 8½-in.

Poughkeepsie. An incurved creamy white, 8-in.

Glen Cove. A broad petaled lavender pink, 8-in.

We know by comparison there are no better exhibitions now in commerce.

MINTA. The new light pink Pompon. C. S. A. Certificate.

Complete description and prices on application.

ELMER D. SMITH & CO.

ADRIAN, MICH.

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Rooted Cuttings

By the 100 prepaid.	100	1000
ENGLISH IVY	$1.00	$9.00
GERANIUMS, Nutt, Grant, Poitevine, Jaulin, Chas. Gervias, Montmort, Buchner, Ricard	1.25	10.00
GERMAN IVY	.50	4.00
HELIOTROPE	.75	6.50
LEMON VERBENA	.75	6.50
PANSY PLANTS, Kenilworth Strain	.50	3.00

CHARLES FROST, Kenilworth, N. J.

Please mention the Exchange when writing.

Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

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HARDY PLANT BARGAINS

400 Clumps **PEONIES, Double Varieties, Mixed Colors,** 3 to 5 eyes, $3.00 per 100.
400 **IRIS, Mme. Chereau,** $3.00 per 100.
400 **IRIS, Florentina Alba,** $3.00 per 100.
500 **FUNKIA VARIEGATA (Quaker's Pride),** 3 to 5 eyes, $5.00 per 100.
200 **HEMEROCALLIS THUNBERGII (Lemon Lily),** $5.00 per 100.
100 **HARDY FALL-BLOOMING WHITE CHRYSANTHEMUMS,** $3.00 per 100.

J. R. BAUMANN, Rahway, N. J.

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F. Dorner & Sons Co.
LA FAYETTE, INDIANA

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ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

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ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadway, Room 721, New York City

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Carnation Plants

Field-grown, extra fine, planted in cold house, had no frost. **MRS. THOS. W. LAWSON,** $5.00, and **HADLOWARDEN,** $4.00 per 100.

Cash.

M. J. SCHAAF, Dansville, N. Y.

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"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO.,
A. T. PYFER, Manager

35-37 RANDOLPH STREET
Room 302
CHICAGO, ILL.

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THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder,** 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $5.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

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Now is the time, throw out your early Chrysanthemums, and fill your houses with

"Christmas Cheer"

The Scarlet Pot-Carnation

$15.00 per 100, $125.00 per 1000

February Delivery (January all booked)

"Princess Charming"

The Enchantress-colored Carnation, with the lasting quality.

Send for colored plates and literature.

H. EICHHOLZ
WAYNESBORO, PA.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. **Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo,** $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. I. REUTER & SON, Inc., WESTERLY, R. I.

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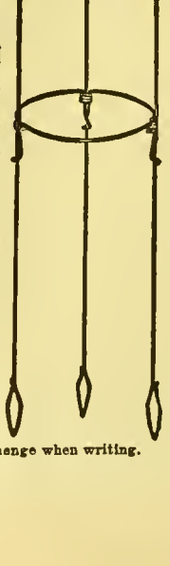
THE

MODEL

Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.

93-71 Metropolitan Ave.,
BROOKLYN, N. Y.

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GERANIUMS

Rooted Cuttings

Nutt, Buchner, Viaud, Doyle, Jaulin and Grant, $10.00 per 1000. Ricard, Poitevine and Castellane, $12.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

50,000 Geraniums. Not trees, but good short stocky plants cool grown. First 10,000, 2¼-in. pots, to be booked for January, 1911, delivery, at **$15.00** per 1000, in lots as follows: 350 S. A. Nutt, 350 Buchner, 100 Castellane, 100 Ricard, 100 Poitevine.

Rose and Lemon Geraniums, Salvia Bonfire, Heliotropes, Swainsona Alba, Fuchsias, COLEUS Golden Bedder and Verschaffeltii. All 2¼-in. pots, at **$15.00** per 1000; 250 at the above rate. Cash with order.

P. J. SCHRODER, Chapin Greenhouses, **PINE BROOK, N. J.**

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GERANIUMS

Rooted Cuttings.

BUCHNER, $1.00 per 100, $10.00 per 1000.
FEVERFEW, $1.00 per 100.
COLEUS, 2-in. pots, $1.50 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Geraniums

Rooted Cuttings, **Ricard, Poitevine, Viaud** and **Doyle,** $12.00 per 1000.
Nutt and **Buchner,** $10.00 per 1000.

Cash with order.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner,** $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemorte, Jaulin,** $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner,** $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffeltii** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa.

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BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermilion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.

Terms cash.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

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GERANIUMS ROOTED CUTTINGS

S. A. Nutt, La Favorite, Mme. Buchner, at $11.50 per 1000.

Poitevine at $14.00 per 1000.

Viaud, La Favorite, Buchner, S. A. Nutt, Tiffany, Doyle, Poitevine, Ricard, etc., from 2-in. pots, $2.00 per 100, $18.00 per 1000.

D. R. HERRON, Olean, N. Y.

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GERANIUMS

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the best.

S. A. Nutt	$11.50 per 1000
Poitevine	14.00 per 1000
Ricard	14.00 per 1000

All sold until December. Expect to have about 75,000 ready week of December 12. To be sure of December delivery better get your order placed now.

COLEUS

As fine a collection as any in the world, can furnish them by the 100,000 in season, now if you want them.

ALBERT M. HERR, Lancaster, Pa.

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A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100; Killarney, 6-in., 36c. each.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.26 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.60 per 100; pot plants, 2-in., $2.60; 3-in., $6.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 6-in., 36c. each.

FERNS, Boston, 6-in., 36c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

FERNS

BOSTON — SCOTTII — WHITMANI

4-in. 15c., 5-in. 35c., 6-in. 50c., 7-in. 75c., 8-in. $1.00

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.



Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $6.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $2.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $6.00 per dozen; 7-in.,, 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and Sprengeri, 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

This Letter from a Customer in Texas

"The Ferns arrived in A1 condition, and I certainly appreciate your kindness and promptness in shipping same, also for extras. You will hear from me again when in need of anything."

This letter referred to a large box of our

Table Ferns

Both our plants and packing will please you equally as well. The stock was never in finer condition. **HOLLY FERNS, ASPIDIUM, PTERIS** in variety, including **Wilsuni,** etc.

Fine bushy plants, 2-in. pots, $3 per 100.

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

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FERNS out of BENCH

Elegantissima, Piereoni and **Boston** for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 6 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT **CHRISTMAS STOCK** SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

Trees Preferred by Lightning

It is a well known fact that lightning strikes by preference certain kinds of trees. The amylaceous trees, which are poor in oil, as the Oak, Poplar, Willow, Elm, Maple and Ash, oppose much less resistance to electricity than the Beech, Walnut, Linden and Birch; while the Pine is struck only in the Summer, when its wood contains but little oil. Dead trunks are better conductors than the bark or foliage. It has been shown that the Poplar, the Oak and the Conifers are struck most frequently, and isolated or very high trees the first. The marks differ with the kind of tree; the spiral is found only on trunks with woody elements or with twisted bark. But quite often the lightning leaves no visible marks. High trees should not be planted beside buildings, to serve as lightning conductors, as they are very likely to attract it.—*Der Handelsgartner.*

Wintering Hydrangeas

I have five thousand pink Hydrangea Otaksa, 10 ins. to 14 ins. high in the ground. I want and expect most of them to bloom July and August, 1911. I have also one hundred 18 in. tubs of Hydrangeas to store for the Winter. Where and how shall I keep them? Can I mass the loose plants in protected coldframes? Can I store the tubs in a shallow frost-proof earth cellar? Do they need light? How will I keep them from starting and being drawn in April? Kindly advise me through your excellent and helpful Florists' Exchange.—B. T., N. J.

—Hydrangea Otaksa can be stored with safety in coldframes, especially so in your locality. The best way to deal with them would be to take them up with a fair ball of earth and pack them closely together in frames; keep off any protection until the foliage has fallen, this will give the buds an opportunity to build up, and also have a retarding influence. At the fall of the leaves, give a good covering of dry litter, leaves or dead Ferns, of at least twelve inches above the buds. Bear in mind that whatever material you use, it must be dry. Also, keep the lights over them shut tight. By the end of March it would be time to pot them up into as small pots as they will reasonably go into, but be careful in removing the covering material that the buds are not broken. After potting, a temperature of 45° or 50° would suit them admirably; syringe them several times a day, it will help them to break. To grow them cool right along is what they require. When they are well rooted, perhaps about the end of May, give them frequent waterings of manure water, and soot water occasionally.

It would be advisable to make two batches of them—end of March, and about the middle of April. Weak plants need not be potted, but should be cut back and planted outside; under this treatment they would make good bushy stock by the Fall.

The tubs could be stored in any place where they are free from frost, and although it is advantageous that they should have light, still, you could store them in your shallow frost-proof earth cellar, providing you keep an eye on them and see they do not start into growth before being brought out to the light; they would soon waste their energy in the dark, the result being poor, spindly growth.

You can scarcely hope to keep them from starting into growth in April, but can certainly avoid their being drawn, if attended to as advised.

Lenox. J. W. PYBUS.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready August 16th. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Boston Ferns

Fine, for 5-in. pots, $20.00 per 100.

Whitmani Ferns

Fine, for 5-in. pots, $20.00 per 100.

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

Please mention the Exchange when writing.

FERNS

1000 Whitmani, 7 inch, 70c.; 6 inch, 30c. to 50c.

500 Boston, 7 inch, 60c.; 6 inch, 20c. to 40c.

From bench or pot. Special price for whole lot or for large orders. Stock has made a remarkable growth this Summer. Fine specimens. Send for sample order. Cash or reference.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2½-inch pots, $30.00 per 1000

100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 6 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 6 and 6 inch pots, $25.00 per 100.

PAUL I. BURGEVIN, North Regent Street **Port Chester, N. Y.**

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BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

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FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddelliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN
Short Hills, N. J.

Please mention the Exchange when writing.

ASSORTED FERNS

FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $16.00 per 100.

KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.

ASPARAGUS Plumosus, 2-in., $3.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

Fern Seedlings in Flats

IN THE BEST EIGHT (8) VARIETIES

108 Clumps per Flat.

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

Also a large stock of **BOSTON FERNS,** in 6, 6, and 7-in. pots, ready for delivery.

Prices on application.

B. SOLTAU FERNERY, 199 GRANT AVE. JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS

	Bench	Pots
BOSTON, 6 inch	$0.20	$0.26
BOSTON, 6 inch	.26	.30
WHITMANI, 6 inch	.26	.30
WHITMANI, 6 inch	.30	.36
7 inch and 8 inch stock	60c. to 76c.	

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

FERNS

Very Heavy Stock—All Pot Grown.

SCOTTII, 4-inch pots, $12.50 per 100; 6-inch pots, $35.00 per 100.

SCHOLZELI, very fine, 4-inch pots, $15.00 per 100.

TODEAOIDES, 4-in. pots, $12.50 per 100.

PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa.

Please mention the Exchange when writing.

FERNS READY NOW

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, **Philadelphia, Pa.**
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

HYDRANGEAS and FERNS

ALL POT GROWN STOCK

Boston Ferns, 4 inch pots, $20.00 per 100.
Scottii Ferns, 4 inch pots, $25.00 per 100.
Hydrangeas, 4½ inch pots, $25.00 per 100.
Hydrangeas, 6 inch pots, $35.00 per 100.

Ferns are perfectly healthy and strong, plants ready for 6 inch pots. Hydrangeas are in fine condition for Easter Forcing, 4 to 6 strong shoots.

CASH W TH ORDER PLEASE

T. MALBRANC, = = Johnstown, Pa.

Please mention the Exchange when writing.

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A. L. YOUNG & CO.
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.

REVIEW OF THE MARKET

NEW YORK, Nov. 9.—The cut flower market today is somewhat more active than it has been for a long period of time. This condition is brought about by shortening of some stocks, and by a little larger demand. The change for the better has made prices somewhat firmer, but it is not sufficiently pronounced to cause any considerable advance.

There is a shorter supply of American Beauty Roses, and a steady demand which cleans up the supply easily. Prices are unchanged; specials realize 20c. to 25c. each, and the lowest grade blooms go at 75c. to $1 per 100. The supply of all other Roses also is somewhat more limited, but there is plenty to fill the very moderate demand. The quality is improving all along the line. White Killarney seems now to be preferred to Kaiserin. Top grade blooms are realizing as follows: Killarney, Richmond and Kaiserin 5c. each, and My Maryland, Bride and Bridesmaid 6c. each. The lowest grade blooms are selling for 50c. per 100.

The Carnation supply is about the same as last week, and the demand a shade better. The prevailing price is 2c. for top grade blooms, but some choice blooms bring 3c. and even 4c. each; it should be understood, however, that the latter two prices are exceptional. The lowest grade of blooms brings no more than $1 per 100.

Orchid blooms are scarce, and with a little better demand the price has advanced to 75c. each for top grade Cattleyas. Gardenias are not over abundant, and there is a somewhat increased demand. Top grade blooms are realizing $3 per dozen, but they must be choice to bring that price. About $5 to $6 per 100 is obtained for the poorest blooms. Lilies, though only moderately abundant, accumulate badly, as there is almost no sale for them. The range of prices is from $4 to $5 per 100.

Lily of the Valley is not over plentiful, and the demand is steady; very little, however, brings over $3 per 100, even of the top grade; the range of price is from $1 to $3.

An abundant cut of Chrysanthemums of all grades is arriving. Many of the blooms are very fine, and the range in varieties is large. They are not realizing high prices, but they are moving well; the buyer can suit himself as to price, as the range is from 50c. to $3 per dozen, and some exhibition blooms reach the $4 per dozen mark.

Violets are not so plentiful, and the demand is a shade better; prices range from 30c. to 60c. per 100, and in a few cases even 75c. per 100 is obtained.

The demand for greens is increasing a little, but prices are about the same as last week.

PHILADELPHIA, Nov. 7.—The market was more active on Saturday than for many days, and today, Monday, shows a continuance of this condition. The Chrysanthemum is still the dominant flower, and the range of color is now so wide that it now competes for buyers with all other flowers.

American Beauty Roses are more plentiful, but the demand is only moderate; prices remain about the same, although not very firm, and concessions from quoted prices are frequently made to effect sales; specials today bring from 25c. to 30c. each. All other Roses are moderately abundant. The pink varieties find much more favor with buyers than the whites, which move sluggishly, suffering from competition with white Chrysanthemums. Richmond show a decided improvement in quality and are selling more freely. The choicest blooms of Killarney, My Maryland, Richmond and Kaiserin sell for 8c. each, and Mrs. Jardine for 10c., while the same grade of Bride, Bridesmaid, Perle and Golden Gate brings 6c. each. It should be distinctly understood that these are top-notch prices, that they are confined to a minority of the sales, and that in the majority of transactions a price 2c. lower prevails. The lowest grade blooms of each class bring 2c. to 3c., and toward a day's end these prices are cut in two rather than allow any accumulation of stock.

Carnations are plentiful. The demand is not brisk, and prices have advanced very little. The choicest blooms bring 3c. each, and the range of prices is from 75c. to $3 per 100.

The supply of Orchids has fallen off greatly, and to that rather than to a large demand may be attributed an advance in price to 60c. each for Cattleyas and 50c. each for Dendrobiums. The Gardenia supply, too, is shorter, and the demand so much better that the prices today range from $2 to $3 per dozen. The culls, of course, sell at trifling prices. The number of Lilies arriving is not at all large, but it is more than enough, for they find little favor with buyers and are not likely to until the midseason white 'Mums are ended; the range of price is from $8 to $12.50 per 100, few selling as high as the latter figure, and some at less, perhaps, than the former. Lily of the Valley is not over-abundant, and there is an active and steady demand for it; the choicest sprays bring $4 per 100.

Chrysanthemums are very plentiful and the quality averages high; many beautiful pink varieties are now appearing, such as Dr. Enguehard, and the sales are simply immense. The range of price is such as to suit all buyers, being from $3 to $20 per 100.

White Lilac is now seen, at $1 to $1.50 per bunch; the supply as yet is not large, and the quality is improving.

The Violet supply has shortened so much that without any very sharp increase in the requirements prices have advanced very substantially, so that today the best single blooms bring 50c. and the best double $1 per 100. Sweet Peas are coming in more regularly, at 50c. to 75c. per 100; and the cut of Daisies is increasing, flowers realizing $1 to $1.50 per 100.

As regards greens, there is little or no improvement either in the amount selling or the price.

BOSTON, Nov. 8.—The market is still sluggish and things are moving rather slow. Business is not bad all the time for there are days when a lot of flowers are moved as was the case last Friday and Saturday when good business was done. Chrysanthemums are very abundant and have caused a great slump in all other flowers.

Carnations have had a hard time of it this week and are difficult to move at any price; they are of excellent quality but much lower in price than a week or two ago. Roses are of excellent quality. American Beauty is exceptionally fine but it also has dropped in price. The Killarneys are still the leaders. Mrs. Aaron Ward, Bon Silene and Safrano are becoming more plentiful and there is quite a good demand for these small Roses.

Orchids are plentiful with prices slightly lower than a few weeks ago. The varieties most in evidence at this time are Oncidium varicosum Rogersii, Vanda cœrulea, Dendrobium formosum, Cypripedium insigne and Cattleya labiata.

Violets are steadily improving in quality since we have cooler weather; the singles are of better quality than the doubles. Lilies are not over plentiful and sales have been fairly good. Some Sweet Peas are beginning to be seen. Cosmos Lady Lenox, from under glass is of especially fine quality and sells well. Gardenias are not over plentiful and are selling well. Lily of the Valley is plentiful with sales inclined to be slow. Mignonette is plentiful, of good quality and sells well. Paperwhite Narcissus is in the market but not in large quantities. Asparagus is selling fairly well. Adiantum not over abundant, selling fairly well.

Pot plants of Erica melanthera are selling well. Ferns, Crotons and Begonias are all in good demand.

R. C.

CHICAGO, Nov. 8.—The market is a little more active than for some time past, with a good supply of stock in all lines. A decided surplus of stock is in evidence in the 'Mum line, and the cheaper grade of stock is hard to move. 'Mums are arriving in abundance from all quarters, and, every wholesaler says, a glut is threatened. The prices vary; in most cases, no stated price is asked, as to get rid of them any good offer is not refused; the fancy stock is selling at $3 per doz. Shipping trade has increased somewhat, and orders from the South for 'Mums have been numerous.

The Rose market is excellent and the quality of stock is first-class. American Beauty have not moved quite so well in the past week, but this condition is usual at this time; the greatest demand for the flowers was for dinners and presentations at the Grand Opera, and Sarah Bernhardt also came in for a share. Killarney is as fine as could be wished, as also is My Maryland, Richmond and other varieties in season.

Carnations of every standard variety are to be had, and all grades are available. The demand, however, is not heavy as desired. Prices range from $2 to $3 per 100, with extra fancy stock bringing half a cent more.

Harrisii Lilies are still to be had, the call, however, is not very heavy. Lily of the Valley is fine and in extra strong demand, as also are Orchids of every available sort. The supply of Cattleyas is not quite as large as a week ago, although another crop is about due. Violet are arriving in quantity enough for the demand, and the prices still hold at from 75c. to $1 per 100. Sweet Peas continue scarce and the demand is strong for them.

There is quite a demand for potted plants, in Chrysanthemums, Ferns, Begonias, etc. All sorts of greens are to be had, in admirable condition, at any of the commission houses.

INDIANAPOLIS, Nov. 8.—Better reports are received from flower quarters as to last week's business. Chrysanthemums, which were extremely plentiful, are beginning to move livelier and another week should put the flower sales on a satisfactory basis. Funeral work and decorating are much in evidence, and counter trade, too, has improved with colder weather.

Good Chrysanthemum, as well as other kinds of plants, are lacking, which often makes it difficult in supplying the wishes of the public.

Roses are in good condition and fortunately are not accumulating in the customary manner at this period. The best Killarney and Maryland are being shipped in at $5 to $7 per 100. Home grown Bridesmaid and Bride are first-class at $4 to $6 per 100. Am. Beauty are selling more readily than at any time this season at $5 to $25 per 100 wholesale; $1 to $6 per doz. retail. A few Bon Silene and Safrano are readily accepted by the retail customers.

Carnations are in excellent trim at $1.50 to $3 per 100. The retail demand is light at 50c. to 75c. per doz.

Callas and Harrisii Lilies are offered in many places at $10 to $12.50 per 100. Lily of the Valley are carried by nearly all the flower shops at $1 per doz. The abundant supply of Cattleyas last week has passed; it was then possible to obtain them as low as 30c. each; they are again selling at 50c. to 60c. each.

Eastern Violet growers say the crop has suffered because of the warm Autumn and are asking $1 per 100 at this time; home grown singles are 50c. per 100.

Single and Pompon Chrysanthemums are being more generally grown. The better varieties wholesale at 50c. per bunch of one dozen sprays. Wholesale prices for the larger blooms are about the same as other years, namely $1 to $3 per doz. A few exhibition blooms bring as high as $4 per dozen.

I. B.

ST. LOUIS, Nov. 7.—Last week business, both retail and wholesale, improved a great deal over the week previous, but not as much as it should for this time of the year. Some of the retailers attribute the slowness to the election and are all looking for a big revival in our line after this week. This is flower show week and it is always considered a slow one in the floral line. The weather has been excellent; the cool nights and bright sunshine during the day has put all the stock on edge, bringing out the color and hardening it. The commission men are not so greatly pleased of late; still, the demand has been pretty well distributed among the four.

Chrysanthemums are, of course, all the rage now and the demand for fancy blooms is great. The best Col. Appleton bring $3 per doz.; Robinson, $2.50; Maj. Bonnaffon, $2 to $3 per doz.; small Ivory, white and pink, $5.00 per 100. These are all good sellers.

Roses are most plentiful in all varieties and grades. American Beauty, best long, bring $2.50 to $3 per doz.; other Roses, such as Richmond, Killarney, Maryland and White Killarney, are bringing from $2 to $8 per 100, and cheaper in larger lots.

Violets, of not too good quality just now, bring from 25c. to 35c. per 100; Lilies, $10 per 100; Valley, best, $4. Carnations are plentiful at from $1.50 to $2.50 per 100; these and Roses are suffering somewhat from the big demand for Chrysanthemum blooms. Enchantress, in all varieties, are in best demand. All outdoor stock has been killed off by the frost so, with a little more seasonable weather, business should become steady and stay so until Lent opens. Smilax and Asparagus sell well, also bronze Galax and fancy Ferns.

ST. PATRICK.

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Wholesale Prices of Cut Flowers, New York, Nov. 9, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	20.00 to 25.00
" extra	15.00 to 20.00
" No. 1	4.00 to 10.00
" No. 2	2.00 to 4.00
" No. 3	.75 to 1.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 6.00
Richmond	.50 to 5.00
Mme. Abel Chatenay	.50 to 8.00
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 6.00
" extra	2.00 to 4.00
" No. 1	1.00 to 3.00
" No. 2	.50 to 1.50
Adiantum	.... to .50
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to 2.00
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Daisies	.50 to 1.00
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to 1.00
Standard Varieties	White	1.00 to 2.00
	Pinks	1.00 to 2.00
	Red	1.00 to 2.00
	Yel. & Var.	1.00 to 2.00
*Fancy (*The highest grades of Sta'd varieties)	White	2.00 to 3.00
	Pinks	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. & Var.	2.00 to 3.00
Novelties		.... to ....
Gardenias, per doz.		.75 to 3.00
Gladioli		.... to ....
Hydrangea		.... to ....
Lilies, Harrisii and Longi.		4.00 to 5.00
Lily of the Valley		1.00 to 4.00
Mignonette, per doz.		.25 to .50
Narcissus		.... to ....
Orchids, Cattleyas		40.00 to 75.00
Cypripediums, per doz.		.... to ....
Dendrobium Formosum.		25.00 to 40.00
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		.... to ....
Smilax (per doz. strings)		.75 to 1.50
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.50 to 1.00
Tritoma		1.00 to 1.50
Tulips		.... to ....
Violets		.30 to .60

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New York

Up to Wednesday the several express companies are affording no transportation facilities whatever as regards the delivery of flowers to the wholesale cut flower dealers of this city. At many shipping points the express agents refuse to receive consignments addressed to parties in this city. The growers and the wholesalers working together are putting forth every possible effort to meet the situation, and resort to all conceivable ways to get flowers into the market. The expense and extra labor caused the growers and wholesalers by this strike is by no means small. After everything possible has been done the wholesale cut flower business in this city is in a more or less crippled condition.

Among other Chrysanthemums seen at Traendley & Schenck's, 131 West 28th st., were noted this week some good blooms of Brighthurst, Dakoma and Wakely Smith.

C. H. Totty of Madison, N. J., was re-elected as councilman for his town on Tuesday, the civic election being held with the regular elections. Mr. Totty feels rather proud of the fact that he was the only Republican elected to anything in Madison. Real popularity, it seems, stands before politics.

R. Vincent, Jr., and Mrs. Vincent of White Marsh, Md., were visitors in New York on Wednesday.

Kessler Bros., the plantsmen and wholesale florists of 136-138 West 28th st., are now occupying a part of No. 136 as well as No. 138, and expect to have possession of the entire store by December 1, which will enable them to handle better their increasing plant business, and will also afford much needed room to Ralph Gretsch, manager of the cut flower department, which the growing business of this branch now demands. Some 8-in. Cibotium Schiedei Ferns seen here are meeting with quick sales, and some good Lily of the Valley and Balfour Chrysanthemums are coming in.

J. K. Allen, 106 West 28th st., is now receiving regular shipments of Sweet Peas.

Rudolph Roehrs of Rutherford, N. J., returned to this country Wednesday of this week from a two years' sojourn abroad.

Some Mrs. C. A. Ward and Dorothy Gordon Carnations seen this week at Walter F. Sheridan's, 133 West 28th st., are as good as anything arriving in the Carnation line; in fact, these two varieties are hard to beat.

The A. T. Bunyard Floral Co., 413 Madison ave., reports an increasing business. Among the floral pieces recently made up by this company was a casket cover of great beauty, of Cattleyas, Dendrobium Phalænopsis and Asparagus plumosus.

The Growers' Cut Flower Co. is handling some Cheltoni, Appleton and Enguehard Chrysanthemums of extraordinary size and quality.

Some of the finest Bonnaffon 'Mums now coming into the market are received daily by Badgley, Reidel & Meyers. This is one of the varieties which has stood the test of time.

William Herbert of Atco, N. J., was a recent caller on Gunther Bros., 110

West 28th st., who handle his New York shipments of Dahlias. Mr. Herbert reports that though the crop of blooms was not as large as might have been expected in such a long season, being curtailed by the extended drought, the crop of roots is large and of extra quality.

The S. S. Pennock-Meehan Co., 109 West 28th st., is beginning to handle some potted Gardenia plants well covered with buds.

Exhibition blooms of those varieties of Chrysanthemums with which C. H. Totty of Madison, N. J., carried off so many prizes at the flower shows are received daily by Henshaw & Fenrich, 51 West 28th st.

James W. Begbie, for some time with A. T. Boddington, is evidently still prominent in the florist trade. A clipping from a Shreveport, La., paper states that he was recently the judge at a flower show in that city.

Articles of incorporation of "James Weir, Inc." of Brooklyn, have been filed with the Secretary of State. It is proposed to conduct a general florist business, with a capital of $5000, consisting of shares of $100 each. The directors are: James Weir, Harold Young and Ernest C. Brower, of Brooklyn.

Charles Lenker of Freeport, L. I., who was the Socialist candidate for State Senator, took the stump in Nassau county in support of his candidature. Last Saturday night Charlie might have been seen in Hempstead, mounted on a packing box, explaining his platform to a big corner crowd.

The MacNiff Horticultural Co. will hold a special auction sale next Tuesday, Nov. 15, at 11 o'clock a.m., offering Rhododendrons, Boxwood, Palms and various other desirable lines of decorative plants, and Dutch bulbs. Various consignments of California Privet in all sizes, from one to three years old, will also be offered, as well as small fruit plants, including Grape vines, Currants, Raspberries and Blackberries. There will be many special offers at this sale which have been held back by consignors waiting for cooler weather, when planting should become more active. The special lists of the various stocks to be offered are ready for distribution and can be obtained upon request.

Albany, N. Y.

L. W. Dickey, representing the Johnson Seed Potato Co. of Richmond, Me., called on the seed trade of Albany and Troy. He showed some very fine specimens of their new Potatoes Norcross and Green Mountain, Jr., and is anxious to have them introduced in this section. Mr. Dickey also represents the Danfort Chemical Co., manufacturers of "Bug Death." He reports good business.

The annual exhibit of Chrysanthemums to the public of the city parks opened at the Lake House in Washington Park, Nov. 6, and will continue for two weeks from 10 a.m. to 10 p.m. daily. It certainly is a credit to the growers who have done their best to make a fine showing; the plants look well both as to flower and foliage. Among others they show Helen Frick, Naoma, Randee, Adonis, Crusader, La Paloma, Vayenne, Yolande, J. W. Molyneaux, Lady Edward Letchworth, Miss Ellie Green, Mrs. H. Stevens, W. J. Davis, Marquis Visconti Vinosta, Mme. R. O. Berthur, Mrs. D. V. West, Paul Randet, Naceur Bey, Pres. Viger, W. M. Moir, Mrs. A. Hardy, Peluche Orleanaise, Miss Catherine Simmons, Mrs. Ida Kroeschell and Little Barbee. The exhibit is under the personal direction of Philip Bender, superintendent of Public Parks, Albany.

L. H. S.

Buffalo

During the preparations for the recent flower show the heavy pergola built on the floor of Convention Hall fell down, seriously injuring one of the men in the employ of Prof. Cowell.

S. A. Anderson recently bought the greenhouse property of Rebstock, which adjoins his present range. This brings the entire property together again, as years ago the section was divided by an alley for other interests. The purchase will give Mr. Anderson greater facilities for the growing of his plants. By the way, Mr. Anderson is loud in his praises of the new unnamed Begonia he has; it is similar to B. Lorraine, but differs in that the florets have five petals, and a much larger set of pistils, the pollen showing more distinct. The foreman, Geo. Streit, is very enthusiastic about this Begonia, and says it is about as easy to root from cuttings as a Geranium. A peculiar feature of the plant is that several flowering branches come from each axil, whereas in the old Lorraine only one branch appears. Mr. Anderson has a large stock of the new variety on hand and hopes soon to put it on the market. Velvet Poinsettias will be a strong Christmas feature, as usual, with him.

On Thursday, Nov. 3, a delegation of florists from Rochester visited the flower show here, and commended the Buffalo Florists' Club on its first attempt to give the Buffalonians a real flower show. In the party were President Fred. Vick, Chas. H. Vick, J. M. Keller, Lee Tickner, and J. Muller of Rutherford, N. J.

On the following Saturday Wm. F. Kasting, Geo. McClure, and L. Newbeck, Jr., journeyed to Rochester, upon invitation of the florists of that city, returning the same evening highly delighted and enthused with what they saw in the Flower City.

Visitors this week were: J. Muller, Rutherford, N. J., and Geo. Strange, So. Orange, N. J. All the florists deserve credit for the showing made at the first annual flower exhibition, given under several disadvantages, the worst of which was the late hour at which the exhibition hall was given over to them for the commencement of preparations. A. H. S.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Nov. 7, 1910	Pittsburgh Nov. 9, 1910	NAMES AND VARIETIES	Boston Nov. 8, 1910	Detroit Nov. 6, 1910	Cincinnati Nov. 7, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	10.00 to 20.00	20.00 to 25.00	10.00 to 15.00
15.00 to 18.00	12.00 to 15.00	" extra	6.00 to 10.00	18.00 to 20.00	8.00 to 12.50
8.00 to 10.00	6.00 to 10.00	" No. 1	2.00 to 6.00	15.00 to 18.00	4.00 to 6.00
4.00 to 6.00	3.00 to 5.00	" No. 2	..... to	4.00 to 12.00	2.00 to 3.00
2.00 to 6.00	3.00 to 8.00	Killarney	3.00 to 6.00	6.00 to 8.00	2.00 to 4.00
2.00 to 6.00	3.00 to 8.00	White Killarney	3.00 to 6.00	3.00 to 6.00	2.00 to 5.00
2.00 to 6.00	2.00 to 8.00	Bride and Bridesmaid	..... to	3.00 to 6.00	1.50 to 6.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
..... to	3.00 to 8.00	My Maryland	3.00 to 6.00	4.00 to 8.00	2.00 to 4.00
2.00 to 6.00	3.00 to 8.00	Richmond	3.00 to 6.00	4.00 to 8.00	2.00 to 5.00
2.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	2.00 to 8.00	K. A. Victoria	3.00 to 6.00	4.00 to 8.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.25	.75 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	..... to	20.00 to 30.00	..... to 10.00
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	..... to	20.00 to 30.00	10.00 to 14.00
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to 12.50	..... to	Callas	..... to	..... to 15.00	..... to .....
..... to	1.00 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
1.50 to 2.00	..... to 2.00	White	.75 to 1.00	1.50 to 2.50	.50 to 2.00
1.50 to 2.00	..... to 2.00	Standard Varieties: Pink	.75 to 1.00	1.50 to 2.50	..... to .....
1.50 to 2.00	..... to 2.00	Standard Varieties: Red	.75 to 1.00	2.00 to 3.00	..... to .....
1.50 to 2.00	..... to 2.00	Standard Varieties: Yellow and var.	.75 to 1.00	..... to	..... to .....
..... to 3.00	..... to 3.00	*Fancy (*The highest grades of Sta'd vars.) White	1.00 to 1.50	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.) Pink	1.00 to 1.50	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.) Red	1.00 to 1.50	3.00 to 4.00	..... to .....
..... to 3.00	..... to	*Fancy (*The highest grades of Sta'd vars.) Yellow and var.	1.00 to 1.50	..... to	..... to .....
..... to	6.00 to 12.50	Chrysanthemums, ordinary	..... to	4.00 to 10.00	12.50 to 15.00
..... to	15.00 to 20.00	" fancy	3.00 to 12.00	12.00 to 25.00	..... to .....
..... to .50	.50 to 1.00	Daisies	..... to	..... to	..... to .....
..... to .20	..... to .20	Ferns, hardy	..... to	..... to .15	..... to .....
..... to .15	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	12.50 to 15.00	..... to .....
..... to 2.00	3.00 to 5.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	3.00 to 5.00
..... to	..... to	Mignonette	..... to	..... to	..... to .....
..... to	60.00 to 75.00	Orchids—Cattleyas	25.00 to 40.00	..... to	..... to .....
..... to	..... to 15.00	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Dendrobiums	..... to	..... to	..... to .....
..... to 1.80	1.20 to 1.80	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
..... to .75	..... to	Sweet Peas	..... to	.50 to 1.00	..... to .....
.50 to .75	..... to	Violets, single	.25 to .50	.50 to .75	.35 to .50
..... to	.50 to .75	double	..... to	.50 to .75	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
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Headquarters of Western Pennsylvania Growers
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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
MILWAUKEE, WIS.
Please mention the Exchange when writing.

Boston

Parched New England has at last had a good liberal rainfall, much needed for months. Many people think it is of little use now, coming as late as this in the season, but that is a mistake; rain at this time is very beneficial to the soil, making it better for crops for another year, also to all outdoor plant life, even thus late. Especially are evergreens, Rhododendrons, Kalmias and, in fact, all plants which retain their leaves in a green state during the Winter, benefited by copious rains before the hard frosts set in.

Chrysanthemums have been playing the mischief with business the past two weeks; the markets and wholesale houses are deluged with them and there is not a cut flower in the market but feels the pressure of the immense quantities of 'Mums that are being pushed into the market. It is too bad there isn't some way of regulating this overwhelming supply. Chrysanthemums are so cheap that there can only be the very smallest profit in growing them. "It's an ill win' that doesna blaw somebody good." The small retail florist has his opportunity and he is taking good advantage of it, too, by making grand displays of 'Mums in his window at a moderately small cost and, with his smaller running expense, he is reaping a harvest.

Carnations and Roses have suffered more than any other flowers in the market on account of this glut and the very finest stocks are moving slowly and at a much reduced rate.

On Saturday afternoon, when I visited Welch Bros., on Devonshire st., they were extra busy. During my short stay of twenty minutes they shipped 3500 Roses of the very highest grades in the market to their customers. The American Beauty Roses they were shipping are worthy of special mention; they had, many of them, stems five feet in length, good healthy dark green foliage and bore good-sized flowers. They were a grand lot. Their other Roses were also of superb quality. Carnations from their growers are of extra quality this year; in fact, it is seldom, at this early season, that one has the pleasure of seeing such fine stock. They are receiving a plentiful supply of all high grade flowers.

The Boston Cut Flower Co., on Bromfield st., had a grand window display and their flowers were of good quality. In their display they show superb Chrysanthemums, handsome Violets, Roses, Lily of the Valley and other seasonable flowers. They are doing a good business, their store being crowded with customers.

On a recent visit to Fred Becker's establishment in Cambridge my attention was called to a new Begonia which their foreman, George Detlefsen brought from Germany this Fall. Mr. Detlefsen says he obtained the plant from the firm of E. Neubert of Hamburg, who, in turn, obtained it from France. Neubert catalogues it under the name of B. Konkurrent; it is a fine Begonia and is in bloom now. What interests me is that Begonia Konkurrent is the same as B. Glory of Cincinnati, which we have in flower now. We would like to know the origin of Begonia Konkurrent and who was the raiser? It is no unusual thing for a new plant to appear in different countries at the same time. This should be straightened out as it will be confusing to have two names for the same plant. Mr. Detlefsen was surprised when he examined my plant of G. of C. and found it the same as his.

The board of directors of the Boston Flower Exchange, Inc., held a meeting Saturday, at 1 Park st., to appoint officers for the year 1911. The following gentlemen, who were the efficient officers for the present year, have been re-appointed: Wm. C. Stickel, president; William Nicholson, vice-president; George Cartwright, secretary and treasurer.

A new Chrysanthemum from A. J. Loveless of Lenox, Mass., named Pioneer, was submitted, last Saturday, for examination by the C. S. A. committee It is a grand good variety, with large well formed pink blooms, produced on stout stems and has good foliage. It should score both as a commercial variety and as an exhibition bloom.

Henry M. Robinson Co. report a splendid cut flower business. They carry large quantities of all the latest novelties from Europe and are alert to handle all the best goods to be had in this country. Their large storehouse and wire factory at 15 Province st. is filled with supplies of all the latest novelties in baskets and vases of all kinds and their earthenware department with the latest designs of the

For Next Week and Thanksgiving Week
We will have the
Largest and Best Stock of
CHRYSANTHEMUMS
We have ever had to offer

Pompons
Large assortment of all the cholce varieties, $3.00 and $4.00 per dozen bunches.

Roses and Carnations
Our supply will be large and you can depend on good value in all grades.

Richmond Roses for Thanksgiving
Extra choice stock, 24-36 inch stems.

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WHOLESALE FflorISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Nov. 7, 1910	Buffalo Nov. 7, 1910	NAMES AND VARIETIES	Phil'delphia Nov. 7, 1910	St. Louis Nov. 7, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 80.00	16.00 to 20.00
20.00 to 25.00	15.00 to 20.00	" extra	15.00 to 25.00	10.00 to 15.00
12.50 to 15.00	10.00 to 15.00	" No. 1	10.00 to 15.00	3.00 to 6.00
6.00 to 10.00	7.00 to 10.00	" No. 2	6.00 to 10.00	..... to .....
3.00 to 5.00	2.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 6.00
3.00 to 5.00	2.00 to 7.00	White Killarney	2.00 to 8.00	3.00 to 5.00
3.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	..... to .....
..... to	..... to	Mrs. Jardine	8.00 to 10.00	..... to .....
3.00 to 5.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00
3.00 to 6.00	3.00 to 8.00	Richmond	3.00 to 8.00	3.00 to 6.00
3.00 to 4.00	2.00 to 6.00	Perle	3.00 to 6.00	..... to .....
3.00 to 5.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
3.00 to 5.00	3.00 to 8.00	K. A. Victoria	2.00 to 8.00	3.00 to 5.00
..... to 1.00	..... to 1.00	Adiantum	..... to 1.00	..... to .....
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	25.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	2.00 to 3.00	..... to .....
8.00 to 10.00	..... to	Callas	8.00 to 12.50	..... to .....
1.00 to 1.50	1.00 to 1.50	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
1.50 to 2.00	1.00 to 1.50	Standard Varieties: White	1.50 to 2.00	2.00 to 2.50
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Pink	1.50 to 2.00	2.00 to 2.50
1.50 to 2.00	1.00 to 1.50	Standard Varieties: Red	1.50 to 2.00	..... to 2.00
1.50 to 2.00	..... to	Standard Varieties: Yellow and var.	..... to	..... to .....
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 2.50	..... to 2.50
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	2.00 to 2.50	..... to 2.50
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	2.00 to 2.50	..... to 2.00
..... to 2.50	2.00 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	2.00 to 2.50	..... to .....
6.00 to 12.50	10.00 to 15.00	Chrysanthemums, ordinary	8.00 to 6.00	5.00 to 10.00
20.00 to 25.00	15.00 to 25.00	" fancy	12.50 to 20.00	10.00 to 15.00
..... to	..... to	Daisies	1.00 to 1.50	..... to .....
..... to .10	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	..... to .10	..... to .....
..... to	..... to	Gardenias, per doz.	2.00 to 3.00	..... to .....
..... to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.50	..... to 10.00
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
..... to	.50 to .75	Mignonette	..... to	..... to .....
..... to	..... to	Orchids—Cattleyas	..... to 60.00	..... to .....
..... to	..... to	" Cypripediums	..... to 15.00	..... to .....
..... to	..... to	" Dendrobiums	..... to 50.00	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.50 to 2.00	..... to .....
.50 to .75	..... to	Sweet Peas	.50 to .75	..... to .....
..... to	.60 to .75	Violets, single	.40 to .50	..... to .....
.40 to .50	.40 to .50	" double	.75 to 1.00	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

CHRYSANTHEMUMS



Some of the Best Keepers and Sellers of the Season are coming in now, compact, good handlers, ones that stand a fair amount of abuse, such as **Bonnaffon, Eaton, Chadwick.** Lots of other varieties equally as good.

	Per 100		
Medium,	$6.00	$8.00	$10.00
Fancy,		12.00	15.00
Extra Select,		20.00	25.00

Try one of our $10.00 assorted boxes of either medium or fancy Chrysanthemums, splendid values. A trial order will bring future orders.

Adiantum Hybridum.....$1.00 to $1.50 per 100
Valley Special.....$5.00 per 100
" Extra ..... 4.00 per 100
" First..... 3.00 per 100
White Lilac, Extra Fine Sprays.... $1.50 per bunch

WE ARE NOW BOOKING ORDERS FOR ROBERT SCOTT & SONS' NEW ROSES

	Doz.	100	250	1000
Melody, own root	$6.00	$30.00	$70.00	$250.00
Double Killarney, own root	3.00	20.00		150.0

For grafted add $5.00 per hundred on Melody and $10.00 per hundred on Double Killarney. 2½-inch, March delivery

P M QUALITY

S.S. Pennock-Meehan Co.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

best kinds made out of the best material.

The two latest stallholders at the Boston Flower Exchange are P. J. Reiley of Lowell, whose material will be handled by George Cartwright; the other stallholder is Carlo Uberti of Wakefield, Mass.

The directors of the Boston Co-operative Market at a meeting this week elected the following officers: Norris Comley, president; Donald Carmichael, treasurer; John McFarland, secretary.

Everett E. Cummings, Dobbins & Shannan and Adam Foster, all of Woburn, are bringing to the Boston Co-operative Flower Market a nice supply of Violets. When the weather cools off somewhat this commodity will improve much in quality.

W. R. Morris of Wellesley is cutting a splendid crop of Killarney Roses, both pink and white varieties; they are clean and healthy and have good foliage, stout stems and large flowers.

The Sweet Peas James Wheeler is taking to market from his new house are of fine quality considering the earliness of the season; they sell readily.

Penn's on Bromfield st. had a lot of Timothy Eaton Chrysanthemums which were as fine as we have seen anywhere. Saturday they sold fifty dozen red Chrysanthemums, principally Cullingfordii, for the Harvard and Cornell football game. They had a lot of table decorations for the dinners at the different hotels after the game was over. This was an innovation, calling for a lot of material. The artistic decoration in their window this week was of an imitation pond very cleverly done with mirrors and small swan boats loaded with small yellow Chrysanthemums. Other decorations were quantities of Oncidium varicosum Rogersii, Crotons and large bunches of Violets. The window and its arrangement drew a lot of attention and was much admired.

G. W. Foote is again cutting another crop of Bouvardia Humboldtii; this pleasing flower is a good seller whatever time it is in blossom, whether Summer or Winter.

John McFarland has a large cut of Lily of the Valley of very good quality and it is disposed of at the Boston Co-operative Flower Market.

Hoffman's greenhouses at Mount Auburn look remarkably well. He has a fine house of Gloire de Lorraine. A house of Cyclamens is in fine condition for the holidays; the plants are well grown and are beginning to flower profusely. A house of Whitmani Fern looks well; so does a house of Poinsettias, which are mostly grown in pans containing four to five plants. They have just finished potting up 4000 Azaleas. A house of Gardenias pleased me very much; most of the plants are grown in pots; they are still loaded with buds although they have been cut from for several months.

R. C.

Philadelphia

The growers in and around Philadelphia meet with refusals from the express companies to receive flowers and plants addressed to parties in New York City. Private gardeners also for the same reason will be hindered largely from exhibiting plants and blooms at the several New York flower shows this week.

William J. Baker, of South Penn Sq., is again seen at his store, after a vacation of four months, and is shaking hands with his many old friends and customers, who are very glad to see him again.

Paul Berkowitz, of the firm of H. Bayersdorfer & Co., reports a rush in shipments of orders, and the arrival, by steamer, of several hundred cases of holiday goods. The fact is that the orders come in to this company so fast, in answer to their advertisements, that it can hardly find time to write new ads. so as to keep the trade well informed about the novelties which are constantly coming to its store from abroad.

Charles A. Dards of New York City was recently a caller on the Robert Craig Co. The blooming plants of Begonia Lorraine, several thousand in number, now seen in the houses of this company are indescribably beautiful. The sport of the Lorraine, which the company is growing in large numbers, is a shade darker in color, and a little brighter than the old Lorraine. Its strong point, however, is that the blooms do not drop at all, but dry away on the plant. About 1000 plants of the Begonia Glory of Cincinnati are seen at Craig's. The leaves of this Begonia are considerably larger; the blooms are also larger and brighter, and come somewhat later than those of the Lorraine. Another interesting plant seen at this establishment is a Fern, a sport of Whitmani, which Duncan Macaw has brought in from his Norwood houses. The plant is growing in a 10-in. tub, and is a wonder to behold. It is entirely free from reversion. The stipes of the fronds are very

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Wholesale Florist
Orchids, Valley, Gardenias, Beauties, Roses and Carnations.
Our usual quality (the best)
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All Leading Varieties of **ROSES AND CARNATIONS**

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Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

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Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

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FLORISTS ST. PAUL, MINN.

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WHOLESALE GROWERS OF and DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

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ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Nov. 7, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	6.00 to	8.00
White Killarney	6.00 to	8.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	6.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	3.00 to	4.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	6.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.... to	....
	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	1.50 to	2.00
Standard Varieties: Pink	1.50 to	2.00
Standard Varieties: Red	1.50 to	2.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	.... to	3.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	.35 to	.50
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
	.... to	....
Violets, single	.50 to	.75
" double	.75 to	1.00
Gardenias	25.00 to	35.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

large and strong and almost unbreakable. The center is very full and the central fronds are erect, but the outer fronds droop gracefully. All fronds are built like those of Whitmani, but are coarser and stronger, making it a better variety for commercial use. It is also, when tried beside the other crested varieties, found to be the strongest grower of them all. Mr. Macaw will probably sell the stock instead of propagating and disseminating.

The S. S. Pennock-Meehan Co. is using to good advantage a set of illustrated postcards, one for acknowledging orders, presenting an inside view of store on the reverse side; another for announcing that its salesman will call, presenting a picture of the ribbon department on the reverse; and a third for acknowledgment of remittances, showing a view, on the reverse side, of the store front with the auto delivery wagon at the door. This company is now receiving white Lilac. Among its recent callers were Alexander Montgomery of the Waban Conservatories, Natick, Mass., and Wallace R. Pierson of Cromwell, Conn.

Edward Reid of Ranstead st., is now receiving some very fine Bonnaffon, Eaton, and Dr. Enguehard Chrysanthemums. Mr. Reid reports a more active conditiou of business, and an increase in shipping orders.

The recent return of Rodman Wanamaker, after a year's absence in Europe, to his office at the Wanamaker store was celebrated by many floral gifts from those connected with the business. Many of these flowers were furnished by J. J. Habermehl's Sons, among them several hundred American Beauty Roses. This same firm also furnished the decorations for the recent Fleischer-Gimbel wedding, which was celebrated in the Clover Room of the Bellevue-Stratford Hotel, where a canopy 16 ft. square was erected and decorated with white 'Mums and Smilax; 40 tables were decorated with pink 'Mums, and the large center table was furnished with an electric fountain amidst Cibotium Schiedei Ferns and white 'Mums. The three foyers were also elaborately decorated.

Gaehring "the dependable" florist, who was established in 1854 at 1805, and in 1904 moved to 2956, Frankford ave., is making gifts of plants, in jardinières, to all visitors who call and register in connection with his anniversary sale, thereby attracting many visitors.

Chicago

Tuesday being Election Day, as well as the opening day of the flower show, found many of the florists in a hurry and scurry to get to the polls and resume work at the Coliseum, getting things in shape for the opening at one o'clock.

The Chicago Florists' Club at its last meeting presented Harry E. Philpott, vice-president, with a pair of gold cuff links, to mark the Club's appreciation of his work in the interests of the Club, and for his record in attending the meetings, he having to come from Winnipeg, Man. He has attended ten meetings out of the twelve in the past year, and it is hoped he will be promoted at the next election of officers to be president, for which office he is well fitted. He has worked hard and faithfully in behalf of the Club and has added many names to the list of members.

Mrs. Francis Gillen has purchased from Geo. Weiland the retail florist store at 3210 N. Clark st., conducted under the name of The Belmont Floral Co. This is Mrs. Gillen's first venture in the florist line in Chicago, although she is one of a family of florists outside of the city, and has previously conducted a store at Champaign, Ill. She will make various changes and improvements and will also carry a line of china used by florists for decorations, etc.

A new retail store has been opened at 3535 West Chicago ave., to be known as the Chicago Ave. Floral Co.; it is to be conducted by Wm. Harbitz.

The new show house and conservatory being added to the store of Chas. Moravek, W. Ogden ave., are progressing rapidly toward completion and when finished will be a great acquisition to the establishment.

The Batavia Greenhouses have rented the entire southeast end of the Flower Growers' Market, for the distribution of their stock. This concern is very progressive, having added several houses to its range, and having increased its business materially.

Mrs. Frank Beu of the Market says that the Pompon varieties of 'Mums are very slow in development with her this season. Last year she had a good cut to show, and even with the show a week later this year none of the varieties are advanced enough to make an exhibit.

The annual flower show of the West Chicago Park Commissioners opened at the Garfield Park conservatory on Sunday, November 6, and will continue until December 1. Owing to the reconstruction of the conservatory buildings, the exhibit this year will be confined to Chrysanthemums.

It is stated that at a banquet given at the Congress Hotel to fifteen stars of the Chicago Grau's Opera Company last week, by Clarence Mackay, president of the Postal Telegraph Co., each guest was presented with a bunch of American Beauty Roses with stems five feet in length.

The advisability of moving the Flower Growers' Market to another locality is receiving much attention. It is considered by some that a desirable location might be found more convenient than the present.

The new packing sheds and storage house at Frank Oechslin's establishment are now completed and add greatly to shipping facilities.

Hoerber Bros. are receiving some especially fine Carnations, including Beacon, Winsor, Enchantress and White Perfection, from their establishment at Des Plaines.

Tim Matchen, of Peter Reinberg's, says that their shipping trade is increasing. All stock arriving from their greenhouses is in remarkably fine condition. In Roses the cut is unusually large.

Poehlmann Bros. Co. are still in receipt of fine grade Lily of the Valley. The company has been very successful this season in producing a more than usually fine grade, and the demand for it is great enough to consume all that can be grown.

Vaughan & Sperry predict a fine cut of Roses for the holiday season, their growers being well in line for stock at that time.

The J. B. Deamud Co. is showing quite a variety of 'Mums this week, including Timothy Eaton, Bonnaffon, Touset, Ivory, Virginia Poehlmann and Mrs. Robinson, all showing up in fine style.

Chas. McKellar says that for a short time Cattleyas will not be as abundant as they have been lately, as it is just between crops; however, such as are being received are excellent.

Rhea Reid Roses at Bassett & Washburn's are very noticeable, and with other Roses are arriving in good condition. The shipping trade here has been unusually heavy in the past ten days.

The first of the week found Winterson's Seed Store very busy in the decorative plant line, the demand for plants being very heavy. The Boston Ferns offered by this house are extra good.

Vaughan's Seed Store has been busy for some days past catering to the counter trade in Fall bulbs; the season in this line has been exceptionally good.

W. W. Barnard Co. are having excellent returns from their Fall catalog, both Kinzie st. and Fifth ave. stores reporting a good trade.

The Chicago Carnation Co. is more than satisfied with its first month's business at its new headquarters. Stock is arriving in good condition and business is all that was anticipated.

W. N. Rudd returned from his tour of the agricultural colleges in time to be present at the flower show.

The Chicago Florists' Bowling Club bowled as usual on Wednesday night, the teams making the following scores:

Roses	805	837	723
Orchids	752	731	771
Violets	776	779	773
Carnations	677	679	806

Visitors: J. E. Meinhart, Webb City, Mo.; P. J. Ollinger, Cincinnati, O.; Mr. Crabb, of Crabb & Hunter, Grand Rapids, Mich.; E. D. Smith, Adrian, Mich; Ed. Amerpohl, Janesville, Wis.; T. Karens, of H. A. Dreer, Philadelphia.

St. Louis

The Retail Florists' Association held an important session on Monday night, Nov. 7, in their meeting hall, Knights of Columbus Building; the attendance was good.

"Billy" Schmaus, of the firm of Schmaus Bros., florists, Paducah, Ky., is here this week to attend the opening of the flower show.

C. A. Kuehn, who has been sick the past three weeks, has fully recovered and his friends in the trade are glad to see him back attending to business.

Geo. Angermueller reports that the demand last week was somewhat better and consignments not nearly so heavy; the chances are that from now on there will be a more steady demand. 'Mum blooms sold well, also Carnations, but Roses dragged somewhat.

We expect quite a number of visitors in the trade here this week who will exhibit at the local flower show which opened Tuesday, Nov. 8. They will be entertained by the Florists' Club on Thursday afternoon, Nov. 10; the trustees have made all arrangements for taking good care of them.

The W. C. Smith Wholesale Floral Co. received a lot of good consignments from their Kirkwood growers last week in Carnations and Violets; this stock always has a good demand.

Wm. Schray & Sons' place on Pennsylvania ave. is filled with a lot of good things for the local trade in Ferns, 'Mum plants and decorative stock.

Kuehn had an abundance of extra good quality stock in almost everything in season, especially in 'Mum blooms and Roses. Carnations, too, are coming in fine; the demand was somewhat better last week.

J. E. Meinhardt, florist of Webb City, Mo., is a visitor this week and will stay over to see the opening of the flower show. Mr. Meinhardt says trade has been good in Webb City for this season.

Henry Berning's place was well filled last week with Chrysanthemums, Carnations and Roses.

The Executive Committee is hard at work this Monday (Nov. 7) arranging for space and shaping up the big Coliseum for their opening, and are looking forward to favorable weather and a successful show. A full account of the awards will appear in the EXCHANGE of next issue.

ST. PATRICK.

Prices Advertised in these Columns are for THE TRADE ONLY

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PANSIES, fine, stocky plants.....$3.50
FORIGET-ME-NOT 3.00
DAISES, mammoth pink and white mixed 3.00

PETER WENK, OZONE PARK. (L. I.) N. Y.

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CLEMATIS paniculata, strong plants, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
CROTONS, from 4-in. pots, $2.00 per dozen; 3-in. pots, $1.50 per dozen.
AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.
ARAUCARIA Excelsa, 6-in. pots, 3 tiers, 60c. each.
FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.
DAISIES, white and yellow, 2½-in. pots, $3.00 per 100.
GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.
HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.
HYDRANGEA Otaksa, from open ground, 3 to 4 buds, $10.00 per 100; 5 to 7 buds, $12.00 per 100; 8 to 10 buds, $15.00 per 100.
HYDRANGEAS, Otaksa and Thomas Hogg, grown in 4-in. pots, $1.00 per dozen.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

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Asparagus Sprengeri
Strong 2¼-inch pots, ready to shift $2.50 per 100, $22.50 per 1000
JACKSON & PERKINS CO.
Florists and Nurserymen, Wholesale only
NEWARK, Wayne County, NEW YORK
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Chinese and Obconica Primroses
Fine plants, ready to shift, 2¼-in., $1.60 per 100; 3-in., $2.50 per 100; 4-in., $6.00 per 100. PRIMULA Obconica, 5-in., $10.00 per 100. CYCLAMENS, 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. CINERARIAS, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.
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1000 CYCLAMEN PLANTS
In 6 and 8 inch pots, 50c. to $1.00 each. Extra fine stock and just right for the holidays.
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WORCESTER, MASS.
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ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

Louisville, Ky.

A Kroeschell boiler and a 32 flue horizontal boiler have been installed in the Nanz & Neuner greenhouses at St. Matthew's, Ky.

All Saints' Day and All Souls' Day, two Roman Catholic ecclesiastic holidays, which were recently celebrated all over the world, were occasions when Louisville florists made enormous sales of flowers. Local cemeteries presented the appearance of floral bowers, for practically every grave in the hurying grounds was garlanded with flowers.

A big season of Fall planting is now holding sway in Louisville. The weather is just cool and crisp enough to help the work considerably.

H. C. Joy, a prominent southern florist, who is senior member of the firm of Joy & Sons, Nashville, Tenn., was a recent visitor to Lonisville, en route to the North.

Charles Raynor, a former Louisville florist, who was president of the Anchorage Rose Company, has removed from Seattle, Wash., to Vancouver, B. C. Mr. Raynor forsook "his old Kentucky home" several months ago to prospect in the West, and is delighted witb the floral situation in the "wild and woolly" section.

F. Walker & Co., recently rebuilt their extensive greenhouses in New Albany, Ind., just across the Ohio River from Louisville. The improvements in the Hoosier Walker establishment have been completed, involving considerable expense, as the work of remodeling was done in an uptodate fashion so as to produce a strictly Twentieth Century domain for flowers.

At a recent wedding supper, H. G. Walker, of F. Walker & Co., set up one of the most novel and effective decorations for a table that has yet been recorded in Louisville. A large tank was set flush with the top of the table and was filled with water. The rather unsightly edge of the tank was concealed with several dozens of young Ferns, intermingled with pink and white Bouvardia. When the "guests were met, the feast was set," according to the Ancient Mariner, and in the tank there were four and twenty goldfish, corresponding to the number of guests at the table. Each guest was then provided with a small fish-net and immediately proceeded to capture a finny prize from the tank, the first successful fisherman receiving the first wedding favor, and so on down to the late contestants, who took what was left.

Boone Gardiner, general manager of the Kentucky Nurseries, on the Bardstown rd., recently became a member of the Louisville Commercial Club, an organization of boosters for Louisville and goodfellows withal. Mr. Gardiner was admitted to the Club, along with a number of other novitiates, at the annual Harvest Home Dinner of the Commercial Club at the Galt House, where the guests at the dinner walked to the tables through artificially contrived fields of Corn and Pumpkin patches, which afforded the florist an opportunity to display the genius of his craft.

Jacob Schulz is making strenuous efforts toward the development of some exceedingly handsome Chrysanthemums in time for the big Thanksgiving football game, between two scholastic teams of Louisville.

Fred L. Schulz will go to Indianapolis on Nov. 10 for a few days' visit to the Indianapolis Flower Show.

Mrs. Fannie Gassenheimer, widow of Joseph Gassenheimer, formerly a prominent florist of this city who died about five years ago, died recently at her home in Lonisville at the age of 61 years. Death was due to the infirmities of old age.

Leopold Oscarlei, a prominent floral artist of New York City, bas been chosen by the Lincoln Farm Association to complete the landscape gardening at Lincoln's birthplace in Hodgenville, Ky. Memorial exercises to dedicate the Lincoln farm as a National park are to take place next Spring and Mr. Oscarlei intends to bend every effort toward completing his work as soon as possible.

E. G. Reimers, a prominent florist of Louisville, was foreman of the October grand jury in Lonisville.

The Woman's Outdoor Art League has been holding regular meetings in this city and it is believed that next Spring the efforts of the "City Beautiful" workers will begin to bear fruit and the homes of even the workingmen will be beautified with shrubs and flowers. G. D. C.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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KENTIA Belmoreana, 2½-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.
SMALL FERNS for Dishes, good assortment of varieties, $3.00 per 100, $25.00 per 1000.
NEPHROLEPIS Scholzell, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.
NEPHROLEPIS Whitmani and Boston, 2½-in., $3.00 per 100, $25.00 per 1000. Whitmani, 5-in., $3.50 per dozen, $25.00 per 100.
PRIMULA Sinensis, 3-in., pink and red, $4.00 per 100.
PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.
CELESTIAL or CHRISTMAS PEPPER, 4-in., full of berries, $10.00 per 100.
JERUSALEM CHERRIES, strong, well berried, 5-in., $20.00 per 100.
GLADIOLUS, Blushing Bride and The Bride, 60c. per 100, $5.00 per 1000.
NARCISSUS Emperor and Empress, $1.25 per 100, $11.00 per 1000. Trumpet Major, French grown, 80c. per 100, $7.00 per 1000. Paperwhite Grandiflora, 80c. per 100, $7.50 per 1000. Chinese Sacred Lily, per basket of 30 bulbs $1.00, per bale of 120 bulbs $3.50. Princeps, 60c. per 100, $5.00 per 1000.
HYACINTHS, Roman White, 12 to 15 centimeters, $1.75 per 100, $15.00 per 1000.
SPIRAEA, large forcing clumps, Gladstone, $9.00 per 100; Queen Alexandra, $12.00 per 100; Florabunda, $4.50 per 100; Superba, $6.00 per 100; Blandin, $6.00 per 100; Washington, $6.00 per 100; Japonica, at $4.00 per 100.

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BEAUTIFUL PLANTS IN FULL BLOOM
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Send us your order at once for samples. We can then be sure of your Christmas order.

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To make room for other stock, will offer the following items for two weeks:
FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.
CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.
FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.
ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.
SILK OAKS, 4 inch pots, $16.00 per 100.
JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.
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Chrysanthemums
STRONG STOCK PLANTS.
Tonset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).
75 cents per doz.; $4.00 per 100.

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We need room. Liberal extras given for early orders.
CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 13 varieties, mixed, fine plants, $6.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $6.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 6-6-7 in. pots, Boston, Scottii and Whitmani, Elegantissima, etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, MARGUERITES, 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including Little Beauty and Storm King, $2.50 per 100.
GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nott, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.
An extra large stock of 2¼-in. plants on hand.
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Packed in small crates easy to handle

	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	HAND MADE 48 9 in. pots in crate	$3.60
1500 2¼ " "	5.25	320 5 " "	4.51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.

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Try us.

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For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.

TOBACCO DUST, for sprinkling, 1 cent per lb.

ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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THE ORIGINAL NICOTINE
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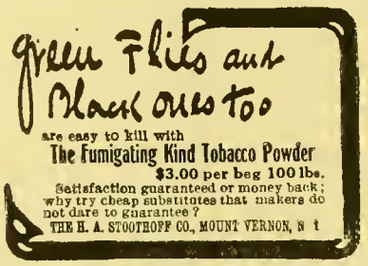

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Pittsburgh

The November meeting of the Florists' Club, held last week, was an unusually interesting one, with a fine exhibit and a good attendance, about fifty being present. Paul Randolph, oldest son of P. S. Randolph, the well-known florist, was elected to membership. The committee appointed by the president to secure a suitable meeting place had no definite report to make and, by request, was continued. A communication from R. Vincent of White Marsh, Md., was read, requesting the members to send on new Carnations or Roses worthy of exhibit for the Maryland State Hort. Society's exhibition, to be held in Baltimore, Nov. 28 to Dec. 2. Mr. Vincent also offered to come to Pittsburgh to show his pictures and talk about the bulb fields of Holland and the Brussels Exposition; this offer was placed in the hands of Wm. Loew and two others to be chosen by him and to report at next meeting.

The subject for the evening was Chrysanthemums, and the exhibit of cut blooms was the best ever shown. A cash prize, of $6.50, was offered for the private gardeners competitive exhibit of a dozen 'Mums and was captured by David Frazer, gdr. to H. C. Frick; his collection was of the following varieties: C. H. Totty, Mrs. Trantor, J. A. Miller, O. H. Broomhead, M. Loiseau-Rousseau, M. Simon Jossier, Frank Payne, Mrs. G. Heaume, Reginald Vallis, Rose Pockett, Onunda and Col. Appleton.

Chas. H. Totty of Madison, N. J., showed a fine lot of 'Mums of the newer sorts, also a good collection of singles and Pompons. Of the large flowering the following were exhibited: Mrs. G. C. Kelley, Mrs. H. Stevens, E. M. Byrnes, Lady Carmichael, F. T. Quittenton, all new sorts which were favorably commented upon. The singles were Biddy, Little George, Kenneth, H. M. Smith, Viola, Harold Slade, Mathilda, Jas. Boone, Penelope, and quite a few more, some grown indoors and some from outside.

F. Burki, of the Bakerstown Rose & Carnation Co., showed a fine lot of blooms of T. Eaton, Appleton, Mary Donnellan. Dr. Enguehard, Bonnaffon, Ivory, Buckbee; also singles of Diana, John Gossweiler, Billy Bowne, Laura Hearn, Mary Henderson, Grace Burki, Lady Lee, Arlee, Garza, B. Asmus, Klondike, Irene Cragg, Kitty Cowell, E. Wilder, Mrs. E. Roberts and Florence Ware, mostly all good sorts for commercial florists to grow and which sell well in limited quantities.

F. Wissenbach, gdr. to W. N. Mellon, made a worthy exhibit of 'Mums, grown outdoors and in coldframes, of single and large flowering varieties, some fine blooms.

The Park Conservatories made splendid displays; that of Schenley Park was the best ever shown, comprising immense blooms of the following sorts: Duckham, C. J. Salter, J. A. Miller, F. S. Vallis, Beatrice May, Mrs. J. Wells, Broomhead, Brighthurst, Winnifred, Pockett's Crimson, Col. Appleton, Sunstone. Of the newer sorts were shown W. Wood Mason, Mrs. David Syme, Onunda, Rose Ellis and Alice Lemon; of these, W. Wood Mason was one of the best, a very large flower, red in color, the best of that shade. The North Side Parks made a good exhibit of Alice Lemon, Onunda, O. H. Broomhead, F. S. Vallis, T. Carrington, Victoria, Beatrice May, M. Loiseau-Rousseau, W. Mease, Yellow Miller, Mme. S. Jossier and Susan Gunther.

Mr. Allen spoke of the 'Mums seen around Boston, where he was lately, and said that the single and Pompons were much used and more highly developed than anywhere else and many good varieties were grown; also that at Eastman's place, in Rochester, N. Y., he saw the finest lot of 'Mums, good flowers and foliage.

Mr. Langhans suggested that the Florists' Club should attempt to get the retailers interested in the meetings and it was decided that the secretary should send regular notice of our meetings to each of them, inviting them to come whether they were members or not.

For the December meeting the president requested each member to bring something pertaining to the trade and be ready to give a short talk on it.

Trade was moving fairly well the past week, but it was impossible to move all the stock, of which there is an abundance of all sorts. Winter weather prevailed the past week, the thermometer going below the thirties. Bulb trade has picked up considerably and, if the cold weather does not last long, stock will be sold out fairly well. Plant trade is very quiet.

H. L. Blind Bros.' automobile caught fire a few days ago; the fire department was called out, but the loss did not amount to much. E. C. REINEMAN.

Detroit

After another week of general hustle, which still more emphasized the fact that society has entered a very gay whirl of pleasure, local florists have more opportunity to look pleasantly into the future.

Some seventy of the local boys, including friends from Toledo, not forgetting our long distance member from Tiffin, O., went to Mt. Clemens on the annual inspection tour. Tramping from place to place, the conviction forced itself on the visitors that there will be not only sufficient, but really excellent stock for sale in the coming season. The general outlook for stock is very good, but some growers, of course, are stronger in one thing than another. For instance, Fred Breitmeyer's Roses are far ahead of everything seen there. The same may justly be said of Van Boeslager in regard to Carnations. Double Violets are not



Please mention the Exchange when writing.

grown very much this year, but the single, deep blue varieties are here very strong, and they have captured the trade through their great fragrance. While the long tramp was somewhat tiresome, still the hospitality waiting at each place amply made up for it.

John Breitmeyer's Sons opened a small, but well appointed branch store at Woodward and Grand River aves., in connection with the McDiarmid chocolate house. The latter is by far the finest candy and ice cream parlor in the city.

J. F. Sullivan's store is now fully renovated, and represents now a strictly uptodate flower shop.

Mr. Schroeter is reported to have leased 35 ft. of frontage about opposite his present location on Broadway and it is rumored that he will build an uptodate flower store next Summer.

Many local florists have received notices that their orders for Lily bulbs will be curtailed 20 to 30 per cent., owing to the floods in Japan. FRANK DANZER.

Indianapolis

Some twenty-five local florists visited the Richmond growers last Wednesday and most thoroughly enjoyed the trip. The establishments of the Fred. Lemon Co., A. Gause Co., Chas. Knopf and the E. G. Hill Co. were all found in exemplary order and at each place was much that was instructive and interesting. The Chrysanthemums grown in Richmond are in a class by themselves and the many long benches of them are certainly worth coming hundreds of miles to see. New varieties of Carnations, Roses and Chrysanthemums promote interest among visitors and are an assurance that Richmond is doing her part in the flower world. It would take a long article to enter into a few of the details with respect to the individual varieties and the merits of the flowers grown in the several places. John Evans accompanied the boys and announces that he has a new idea in the ventilating line which is to be *par excellence* in his line of business. The visitors were entertained at luncheon and no effort was spared in looking after the welfare of the party.

Sec'y Baur decorated all those going to Richmond with a nice specimen of their new red Carnation. Hartje & Elder also took advantage of the occasion to show their seedling Pompon.

The flower show has been extensively advertised and will, from all indications, be a success. Entries have been slow in arriving in some classes, but those in others are beyond expectations. The hall is being artistically decorated with thousands of yards of Laurel and many cases of southern Smilax.

John Rieman is working overtime to see that all the exhibitors will be properly taken care of. The banquet at the Commercial Club Rooms, Thursday evening, will be an elaborate affair and many visiting florists are being expected.

Bertermann Bros. Co. are arranging for their customary Autumn opening. Various forms of decorative effects and table decorations form a part of the display.

The Roepke Rieman Co. has a fine lot of Chrysanthemums and should carry off a number of prizes at the exhibition.

I. B.

Cincinnati

Cincinnati florists are not very proud of the business done during the past two or three weeks. With the advent of Chrysanthemums we had expected much better things, but this season has proved anything but encouraging for Chrysanthemum growers and sellers. Society has simply been dead, and everything in the cut flower line has suffered, but more especially Chrysanthemums and American Beauty Roses. Tea Roses are now beginning to pick up some, and it looks as though we have passed the crisis. All Souls' Day, was celebrated on two occasions, one being Oct. 30, the other Nov. 6. The first day was quite disappointing to the smaller growers who load their wagons to the guards, proceed to the cemetery gates, and await the arrival of the customers who buy bouquets at 5, 10, 15 and 25 cents each, seldom exceeding 50 cents; the small growers managed to pick up quite a good many dollars upon these occasions, but on this day business was not more than half equal to that of other years. On Nov. 6 conditions were different and all florists sold out, and at good prices; but all stock was of the cheaper grades principally, selling, as stated, at from 5 to 50 cents. A number of Kentucky florists repaired to Price's Hill, to the German Catholic Cemetery, but the authorities would not allow them to stay, and they necessarily had to leave without doing any business; this put quite a feather into E. Mack's cap, as his greenhouses are situated at the cemetery entrance. Out at Calvary Cemetery, Frank Schneider and the Reuthenshoer boys were busy taking in the coin; all report a good business.

H. Schmidt was a caller during the week; he is sending in some very fine Pompon 'Mums, which will sell at good prices.

Chrysanthemums, as a general thing, have been disappointing this season; heretofore we have been able to get fine prices for good stock, but such has not been the case this year; however, now that the season is drawing to a close it looks as if general business would be better, although society in old Cincy is very dull this year, and the retailers, who keep close tab upon matters, say they do not see anything very good in sight.

R. Witterstaetter is one of the judges at the Indianapolis show this week. A good many of the boys here will attend this show, and then go on to Chicago.

E. G. GILLETT.

San Francisco

The Market

The past week has seen quite a change in market conditions, and business at present is very quiet. What has led to this change it is hard to say, but the result has been the lowering of prices, considerably. In the Rose line we are getting plenty of blooms, but prices are unsatisfactory. Richmond, Bride and Bridesmaid are to be seen in quantity, while American Beauty is only moderately abundant. Carnations keep improving in quality, and many fine lots have been brought into the market in the last few days; prices, however, have dropped during the past week. At present the market is simply flooded with Chrysanthemums of all sizes, and of different qualities; the demand for good blooms is great, considering the sluggish state of the market, but not quite enough to prevent accumulation. Good blooms bring $1 per doz., wholesale. I might mention here that one of our leading growers down the Peninsular has been bringing into town some excellent blooms of exhibition varieties, which have been realizing in the neighborhood of $5 per doz., which surely goes to show that well-grown stock can always be depended upon to bring good prices. Orchids are in very great demand at present, and growers have not the slightest difficulty in disposing of their blooms. Cattleyas bring 60c. at wholesale, a price which seldom varies in this section. Violets are arriving in quantity and are sold at 10c. per bunch, retail. Gardenias are moderately plentiful at 25c. apiece. In the line of green goods there are ample to go around; if anything, Asparagus Sprengeri is a trifle scarce.

Various Notes

Robert Rae, late of Lenox, Mass., has taken a position with the MacRorie-McLaren Co., at the nurseries at San Mateo.

The Sievers Floral Co. had a most attractive display of Orchids in its store window this week, which attracted considerable attention due to the taste shown in their arrangement.

On the morning of Oct. 27 fire broke out in the greenhouses of John Martin, San Rafael, destroying completely one of the largest houses, containing a large collection of valuable Orchids. A special lot of Cattleya gigas and C. speciosa was also completely destroyed, with a beautiful lot of Phalænopsis. The cause of the fire was a choked oil burner, resulting in a flare back. The large potting shed and stores in the vicinity of the houses were all burned down, and the damage done to stock in general is considerable.

E. James of Elmhurst is disposing of some nice plants of Begonia Lorraine at

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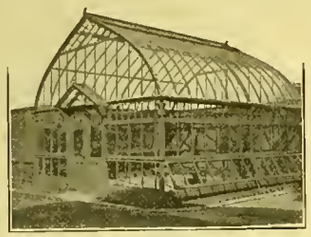

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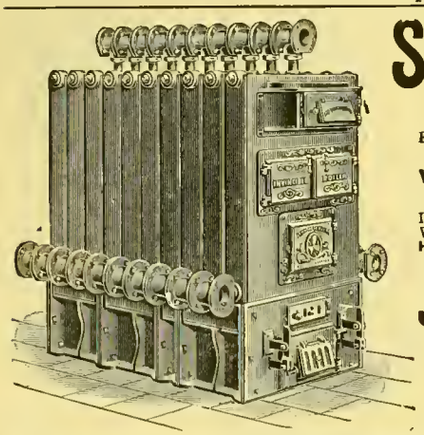

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present. Mr. James is the most successful grower of this class of plants on the Pacific Coast.

The MacRorie-McLaren Co. will start immediately on the construction of four additional greenhouses, at their San Mateo nursery.

In connection with the great Kermess which is to be held in the Central Theater next week, it is particularly gratifying to hear that all of the leading florists in the city have combined and will decorate the theater with flowers and plants free of charge. All of the material used will be sold later, and the proceeds given to charity.

There is a probability that the Pacific Coast Horticultural Society will have a Spring show, in one of the leading hotels in the city. The intention at present is to hand over the entire proceeds to charity.

O. P. Bassett of Chicago was a recent visitor in town, with headquarters at the Palace. Mr. Bassett was particularly impressed with the fine showing made by the growers at the recent exhibition, and stated that the show compared favorably with many in the East.

MACMILLAN BROWN.

Washington, D. C.

Sunshine, rain, hail, snow, and a gale of wind from the northwest, all within 12 hours, was the Washington weather record for Nov. 3. That night marked the heaviest fall of snow for the month since Nov. 14, 1904, and this with the high wind did considerable damage, many trees being blown down in the city and suburbs.

The annual flower show of the Washington Florists' Club ended on Saturday night. Geo. H. Cooke, Mayberry & Hoover, and Geo. C. Shaffer, who had table and mantel decorations changed them daily, but Chrysanthemums predominated throughout the week. Additionally, Geo. Cooke had two fine baskets of tall yellow 'Mums, and one of Pompons; and Gude Bros. Co. showed a magnificent vase of Col. D. Appleton and Morton F. Plant 'Mums. R. Vincent, Jr. & Sons Co., White Marsh, Md., sent a number of vases of good Pompons. Chas. Rauscher, the caterer, favored the Club with the tables, tableware, and chairs used in the hall.

Oswald Edert, the gardener at the Army War College of this city, has been busy planting Elms and other shade trees about the College. It is understood that a little later some good greenhouses are to be erected also.

Myer & Leapley have their store well-stocked with good Ferns, and report business very brisk.

Gude Bros. Co. still retains its aquatic window, probably as contrast to the weather of the past week.

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Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards poluts of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of, purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions.

U. G. SCOLLAY.

I would like to know how to get rid of the water in my steam pipes. I have an Acme tubular boiler and made the mistake of setting it too high. The return is full of water to the surface of the ground when the boiler has six inches above the crown sheet. The sizes are 6", reduced to 3" flow and 3" return, piped east and west in 2" feed, houses 48 ft. long, overhead, return under benches of 4-1" pipes dropping in 3" return at east end of houses; also 3" flow 100 ft. east, overhead, reduced to 3-1¼" pipes, return 100 ft. west under tables, dropping into the 3" return. Have checks in all of the pipes where they drop into the return, also 3" check in return next to boiler. The air valves flow water from one to two hours after pressure is up, and it is this water I want to get rid of. The flow or supply pipe is 13 ft. above the floor of the boiler pit. The return is 3' 6" above the floor of pit, and drops down to 18" above the floor, where it enters the boiler. The coils are 7' 6" above boiler pit floor where fed from flow, and drop 6" to end of return. The riser is 7 ft. above boiler. The height of boiler is 6' 4", depth of boiler pit 5' 6", and height of water line 5'. J. J. B., Ohio.

—Cut out all check valves from the coils. You can leave the one at the boiler. Run a new 3" steam main to feed the two east houses; this is to run from the 6" main at the boiler. Disconnect the present connection on the main running north and south that feeds at present the two east houses, and plug same up. The new main can run from the boiler room overhead across to the present main in the east houses and connect to same where you break connections on the west end of the east houses. This will then allow the present overhead main to take care of the five west houses.

You are having trouble owing to the fact that your main is too small feeding all of these seven houses, 3", the size you make it according to your letter and sketch.

I presume the air valves are at some point on the coils near where they enter the returns. Raise them all about 2 ft., making the connection between the coils and the air valves 1" if you can, and reduce at the end to suit the size of air valve. Be sure that all piping after leaving the boiler to the high point drops continuously until it returns at the boiler. By this, I want to make clear that all steam and water of condensation has a continuous flow toward the boiler.

At the ends of the present main running north and south, place a relief pipe not less than 1¼" and connect same to the return main below. Place a relief pipe 1¼" on the new main that will feed the east house and connect to return in the same manner. You will also help matters if you can arrange to place an equalizing pipe from the present

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overhead main and connect it to the return main, same to be not less than 3″. Place tee on the overhead main looking down and connect same with the 3″ equalizing pipe to the return main; this to be done in 3″ size, and at some point near the boiler. A good place, judging from your sketch, to place this, would be about one-third way between the boiler and the position marked on the return main. From the details given I think if these changes are made you will have much better results. The return pipes of your sketch are large enough for this amount of heating surface.

I am enclosing you a sketch of my greenhouse plant. The question I wish to ask is not the size of boiler as that is settled, but how much or how many 4″ cast iron pipes will be needed to heat house No. 2 for Carnations with a possible 10° below zero; we very rarely go below this figure, yet occasionally we do go a few degrees lower. The house is 50 x 20 ft., all beds solid, center bed 8 ft. x 39 ft., and side beds 3 ft. x 50 ft. The boiler we will use has been heating 3000 feet of butted glass, while this house is lapped and puttied. How many runs for House No. 1, 21 ft. x 12½ ft., butted glass not puttied, for Lettuce and Geraniums? Also how can the office best be heated? Also please give best location of pipes and elevation for best results, and position of supply tank or stand pipe. We wish to use 4″ pipe for returns and all, as we have it here, if we can get the results wanted.—L. J. B., N. Y.

—In house No. 2 place eleven lines of 4″ pipe. Owing to the solid beds in this house you may have some difficulty in arranging the pipes, as I would like them. I offer the following suggestions as to position of the pipes: Place two pipes under each eave; on the side of the north solid bed place three pipes, on the side of the south solid bed place two pipes, and on the center solid bed run one pipe up and around each side. Turn to the doorway on the east end with the pipes that are placed under the eaves and on the side of the south bed. If possible do the same with those on the north side. In house No. 1 you will require six pipes, 4″; these can be placed three under each side bench and turn to the door on the west end. Locate the expansion tank in the room over the boiler room, at as high an elevation as possible, connecting this tank to a return pipe near the boiler; and be careful to see that no valve or stop cock is placed on this pipe which leads from the expansion tank to the return pipe as above described. I can not very well give you the amount of radiation you will require in the office, as you do not give me sufficient data. I mean by this that I should have the number of windows and sky-lights, if any, so that I can arrive at the quantity of glass in this room. If you will send me the above, I will give you the amount of radiation, if necessary. If your office is laid out so that you can conveniently use some of the 4″ pipe that you have, it will do as well as smaller size pipe or radiators. In connecting the heating surface for the office, I would advise taking both the flow and the return connections from the sides of the mains which lead to No. 1 house. If the boiler you have is fitted with two flow and two return openings, I think it would simplify matters for you to run a separate main for the office and No. 1 house, and use other openings on the boiler to take care of No. 2 house. I advise this owing to the different grade. In both the office and No. 1 house place a stop valve to control circulation on each coil of pipe. The nearer you keep all the pipes on the same level the better. I presume you know from previous questions and answers in the Florists' Exchange all about grade of pipes, placing of air vents, etc.



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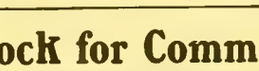

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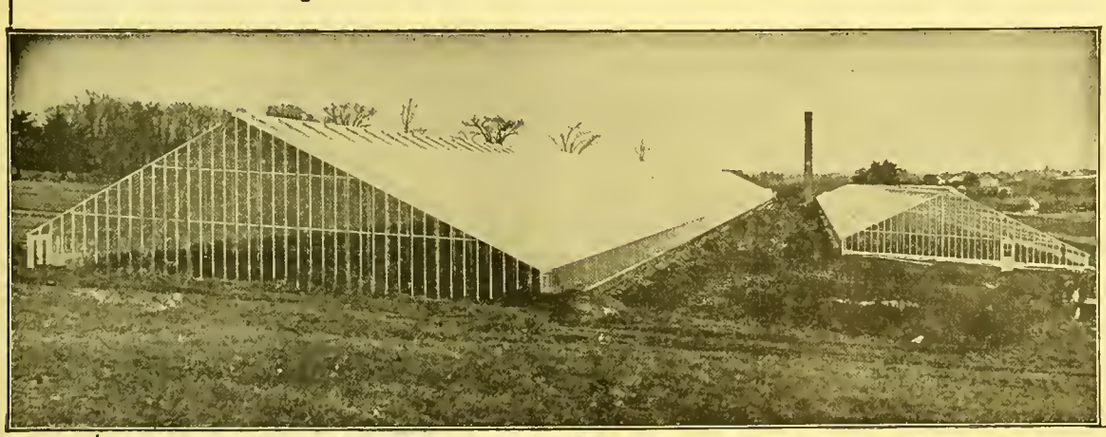

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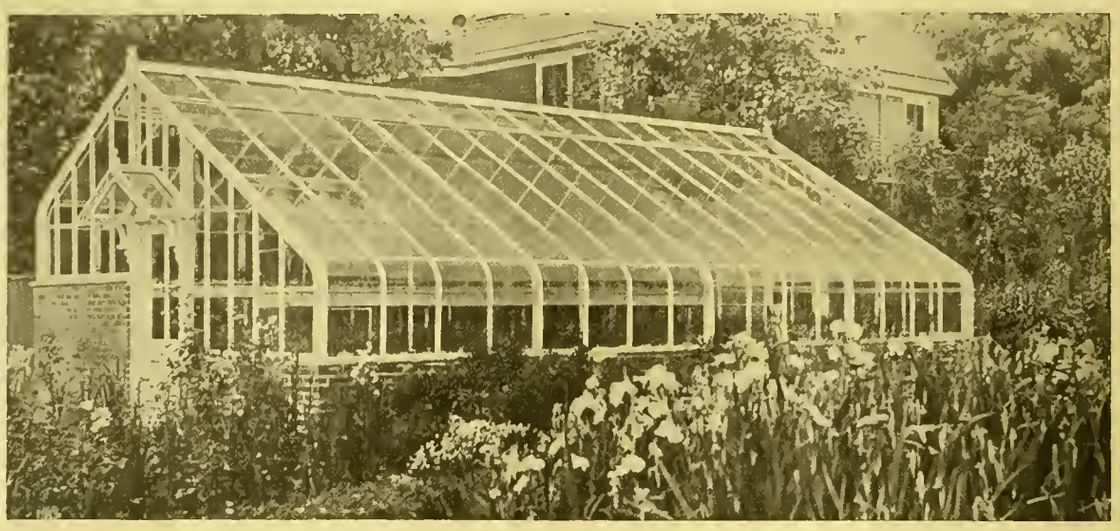

PLAN 73

This is a little gem. It shows to good advantage our Curved Eave House with its 24 inch glass. It was the first one we built that way. If we should tell you the number of houses it has been instrumental in selling for us you would think we were stretching it.

Last year we averaged pretty close to turning out a house a day from our factory, and that's going some. Aren't you ready to talk business with us?

LORD AND BURNHAM CO. IRVINGTON, N. Y. New York St. James Bldg. Boston Tremont Bldg. Philadelphia Heed Bldg. Chicago The Rookery

Please mention the Exchange when writing.

JOHN A. PAYNE
Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

GREENHOUSE CONSTRUCTION

Wind storms and snow have no terrors when you have greenhouses of the King type. We have all kinds—SEMI-IRON, IRON FRAME, and CHANNEL BAR CONSTRUCTION for private work. Send for Bulletins.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

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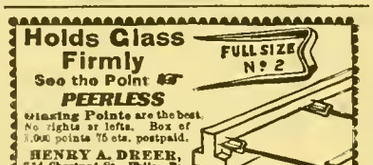
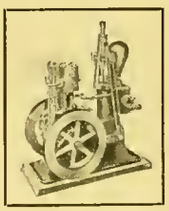
GLASS
Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.





NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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INSURANCE OF YOUR PLANTS FROM FREEZING in cold weather may be obtained at trifling cost if you will use a

LEHMAN WAGON HEATER



There is no danger of fire; no smoke, dirt or gases to injure the plants. They burn **Lehmon Coal**, which costs less than half a cent per hour. **350,000 Lehman Heaters** are in actual use which shows they have merit **Florists everywhere use and recommend them.** HAVE YOU ONE? BEWARE OF IMITATIONS! Write for circular telling more about them today.

LEHMAN BROS.
MANUFACTURERS
10 Bond Street, NEW YORK

J. W. ERRINGER, General Western Sales Agent
45 East Randolph St., CHICAGO, ILL.

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A. HERRMANN
Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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CHRYSANTHEMUM SHOW FINAL REPORTS

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 21 NEW YORK AND CHICAGO, NOVEMBER 19, 1910 One Dollar Per Year

Amherst MASS

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value; plants that will please the most critical buyers both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, $20.00 per 100; 6-in., $6.00 per doz.; large specimens in 12-in. pans, $3.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, $25.00 per 100; 6-in. pans, $6.00 per doz.

Nephrolepis superbissima Very distinct and popular. Fine plants, 6-in. pans, $6.00 per doz.

Nephrolepis Scholzeli Fine plants, 3½-in. pots, $20.00 per 100; 6-in. pans, $6.00 per doz.; 8-in. pans, $12.00 per doz.

Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per doz.

Nephrolepis Scottii 8-in. pans, $12.00 per doz.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cytomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

For Special Offer of BULBS, see page 813.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

5-inch pots, strong bushy plants..... $0.35 each, $4.00 per doz.
6-inch pans, strong bushy plants..... .50 each, 6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants..... 1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE

5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50 each.

COCOS WEDDELLIANA

3-inch pots, $15.00 per 100.

FICUS PANDURATA

6-inch pots, $1.00 each.

JERUSALEM CHERRIES

Short, stocky plants, $2.50 per doz., $20.00 per 100.

GARDENIAS

4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS

5-inch pots, 75c. each, $9.00 per dozen. 6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

4-inch pots..... $30.00 per 100, $250.00 per 1000.
5 inch pots..... .....50c each; 6 inch pots.....75c and $1.00 each.

ASPARAGUS SPRENGERI

2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS

2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

Please mention the Exchange when writing.

AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Bulb Surplus

		Per 100	Per 1000
2500	**Victoria Narcissus**, double crown	$1.25	$11.00
4000	**Victoria Narcissus**, single crown	.80	7.00
1000	**Poeticus Ornatus**	.75	6.50
1000	**Princeps**	.80	7.00
1000	**Golden Spur**, large size	2.00	18.00
4000	**Murillo Tulips**	1.25	10.00
800	**Proserpine Tulips**	2.00	18.50
800	**Vermilion Brilliant Tulips**	2.25	20.00
500	**Tournesol Tulips**	1.60	15.00
9000	**Spanish Iris**, 5 varieties	.40	3.50

HYDRANGEA OTAKSA

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

CASE LOT. AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

HARDY POMPON CHRYSANTHEMUMS

We have a fine collection in 3-inch pots, for stock plants or Fall planting. 75 cents per dozen, $3.00 per 100.

We are prepared to grow, for delivery next Spring in large quantities, for Parks, Cemeteries, etc., Geraniums, Coleus, Alternantheras, Salvia, Lantanas, Fuchsias, Cannas, Dusty Millers, etc. Let us have a list of what you will require and we will make very interesting prices.

CANNAS and DAHLIA ROOTS, in large quantities. Send for list.

LEUS, Golden Bedder, Verschaffeltii and other kinds, Rooted Cuttings 60 cents per 100, $5.00 per 1000.

	2-inch Per 100	3-inch Per 100
COLEUS, Brilliancy	$3.00	$4.00
SWAINSONA ALBA	2.00	3.00
ALYSSUM, Dwarf and Giant Double	2.00	3.00
LEMON VERBENAS	2.00	3.00
LANTANAS, Assorted	2.00	3.00
DOUBLE PETUNIAS, Mixed Colors	2.00	3.00
TRADESCANTIA ZEBRINA MULTICOLOR	3.00	

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 915



Thanksgiving Offering

	100	1000
CALLAS, 1½"-2"	$7.00	
LILIUM		
Candidum, 22 cm...	5.00	
Harrisii, 5-7	5.00	$45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, Selected	.75	6.50
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Cottage Maid, rose and white	1.00	8.50
Queen Victoria, white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS	2.00	
DUTCH HYACINTHS, Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS	1.60	14.00
NARCISSUS, Paper White Grandiflora	1.25	9.00
Incomparable, double yellow	1.00	8.00
Double Roman	1.15	9.00
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA Japonica, extra strong	5.00	45.00
compacta multiflora	5.00	45.00
Astilboides floribunda	6.00	50.00

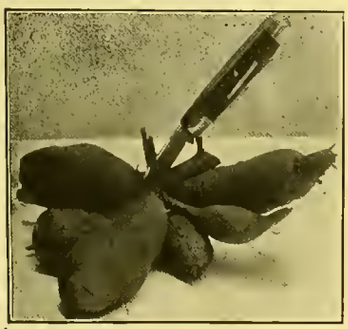
CHINESE SACRED LILIES, $1.25 per basket 30 bulbs, $4.75 per mat of 120 bulbs.

BOUQUET GREEN, 8 cents per lb.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.



DAHLIAS

Whole Field Clumps
Versus
Divided Roots

The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock, cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

Price List sent on application.

J. Murray Bassett
Packard St., HAMMONTON, N. J.



Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Dahlias and Cannas

I am overstocked on many standard varieties of **Dahlias** and **Cannas.** Florists and dealers, please send for List of Sorts. My prices are right.

DeWITT HOUSE, Florence, S. C.

Please mention the Exchange when writing.

XXX SEEDS

Gaillardia, Grandiflora, hardy, Burbank's Latest Improvement, giant flowers, brilliant colors, pkt. 25c. Grand.

Shamrock True Irish Green, sow this Fall, packet 25c.

Chinese Primrose, finest grown, single and double mixed; ½ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ½ pkt. 25c.

Cyclamen Giganteum, Finest Giants Mixed, 250 seeds $1.00; ½ packet 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 600 seeds of the giant Mme. Perret paney added to every $1.00 pkt. of Giant Paney. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
FLORIST SEEDSMAN

Please mention the Exchange when writing.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

THE PRICES ADVERTISED FOR THE TRADE ONLY

To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well rotted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse.

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

Pansy World's Fair Strain, Giant Flowers, fine, stocky, field-grown plants, **$3.00 per 1000.**

Ferns Pot-grown, **Boston, Piersoni, Whitmani** and **Amerpohli,** 2½-in. **$4.00** per 100; from 4-inch **$15.00** per 100. Cash or to exchange for **Cineraria, Primula Chinensis Obconica** and **Carnations,** true to name.

SHELLROAD GREENHOUSES. **Grange, Baltimore, Md.**

Please mention the Exchange when writing.

COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Brazilienais	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneti	1 50	12 00
orlospatha	1 50	12 00
Garlneriae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
odorata	1 50	12 00

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA — SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

SURPLUS HYACINTHS, TULIPS, NARCISSUS, CROCUS, etc.



At Clearance Prices

DUTCH HYACINTHS	100	1000
Single, Named, the best varieties for forcing or bedding	$4.00	$35.00
Single, separate colors, for bedding	2.25	20.00
White Romane, (French) 12-15 cms	2.25	20.00
SINGLE TULIPS		
Arius, scarlet	1.00	9.00
Cramoisie Brilliant	1.25	10.00
Cottage Maid, pink	1.00	8.75
Chrysolora, yellow	.90	7.00
La Reine, white	.90	7.50
L'Immaculee, white	.90	7.50
Yellow Prince	.85	7.75
Rainbow Mixture, extra quality	1.00	9.00
Vermilion Brilliant	2.00	18.00
CROCUS		
Named Sorts	.50	4.00
Mixed	.35	2.25

SINGLE NARCISSUS	100	1000
Paper White Grandiflora, fine bulbs, 13 cms. and over, per case (1250 bulbs) $10.50	$1.00	$8.75
Single Mixed. A fine assortment.	.75	6.00
Golden Spur	1.25	11.00
Empress	1.40	12.00

Write for complete Surplus List of Bulbs

JOHNSON SEED COMPANY, 217 Market St., PHILADELPHIA, PA.

Surplus Bargains

	100	1000
EARLY ROMANS. White, 11-13 cms	$1.50	$12.00
EARLY ROMANS. Blue or Rose	1.50	14.00
PAPER WHITE GRANDIFLORA, 1000 to case	1.00	9.50
DUTCH BULBS	100	1000
Dutch Hyacinths, named. Best sorts in all colors, first size, extra fine	$5.50	$50.00
Same, named, second size	3.25	30.00
Same, named, bedding Hyacinths, best sorts	2.75	25.00
Dutch Miniature Hyacinths. Best named sorts	1.50	12.00
Dutch Hyacinths, to color	2.25	20.00
TULIPS	100	1000
Artus	$1.00	$8.00
Cardinal's Hat	.75	6.00
Belle Alliance	1.60	15.00
Couleur Poncean. Fine rose	.75	6.00
Crimson King. Fine red	.90	8.50
Duc van Thol. Scarlet	1.25	10.00
Duchesse de Parma. Brown and gold	1.00	8.00
Duc van Thol. Red and yellow.	.75	6.00
La Reine. First size	.70	6.25
Pottebakker Scarlet. Extra fine.	1.35	12.50
Pottebakker, Yellow	1.00	9.00
Pottebakker, White	1.00	9.00
Proserpine. Finest rose	2.00	18.00
Rose Luisante. New Rose	1.50	13.00
Standard Silver. Rose and white	1.00	9.00
Thomas Moore. Orange; very good	.85	7.50
White Swan. One of the best whites	.85	7.50
Yellow Prince	.75	6.50
DOUBLE TULIPS	100	1000
La Candeur. Best white	$1.00	$9.50
Duke of York. Red and white flaked	.90	8.00
Rubra maxima. Best scarlet	1.40	12.00
Rex rubrorum. Fine red	1.40	12.50
Murillo. Finest rose blush	1.00	9.75
Titian. Gold and red	1.40	12.00
Tournesol. Red and yellow, gold and red	1.50	13.50
SINGLE Tulips, mixed. Finest stock	.65	5.00
DOUBLE Tulips, mixed. Finest stock	.75	6.00
To colors SAME price, Single and Double.		
LATE TULIPS	100	1000
NAMED Parrots. Best sorts	$0.75	$6.50
Mixed Parrots	.55	4.75
Late Mixed Tulips. Best sorts	.90	8.00
NARCISSUS	100	1000
Van Sion. Select single noses	$1.15	$10.00
Empress. Double nosed, extra	1.35	12.00
Sir Watkin	1.25	11.00
Poeticus. Mother bulbs	.50	3.75
Poeticus ornatus	.65	5.50
VARIOUS BULBS	100	1000
Spanish Iris, named. Best forcing sorts	$0.50	$3.75
Chinnodoxa Lucilliae gigantea	.60	4.75
Muscari botryoides. Blue	.65	5.50
Snowdrops, Elwesii Giants	.65	5.50
Scilla Sibirica. Large bulbs	.65	4.75
Gladiolus Colvillei alba	.60	5.00
English Iris, named. Best sorts	1.00	8.00
English Iris, mixed	.60	5.00
LILIES	100	1000
Lilium giganteum, 6x8	$5.00	$40.00
Lilium giganteum, 7x9	6.50	60.00
Lilium giganteum, 8x10	9.00	85.00
Lilium giganteum, 9x11	10.00	95.00
Lilium formosum, 8x10	9.00	85.00
Lilium formosum, 9x10	9.50	87.50
Lilium longiflorum multiflorum, 7x9	5.00	47.50

Offered as long as stock lasts. Bulbs are all of the very best grade, imported for the best Private Trade. Selected especially.

H. H. Berger & Co.

70 Warren Street, NEW YORK CITY

Thorburn's Seeds

CYCLAMEN GIGANTEUM SEED

Berglinden Strain, NEW CROP

Special offer to Florists of this splendid strain (*sold by us for many years.*)

Pure White, White and Red, Dark Red, Cardinal, White and Rose, Lilac, Rose, Mixed. **All 50 cents per 100 seeds, or $3.50 per 1000 Seeds.**

Aurora Borealis, Salmon Queen **60 cents per 100 seeds, or $4.50 per 1000 Seeds.**

J. M. Thorburn & Co., Seedsmen **33 Barclay St., N.Y.**

Please mention the Exchange when writing.

Stokes Seeds Philadelphia

Salvia Seed

For Seedsmen

I have a small surplus of my own growing at "*Floracroft Gardens*" as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
SALVIA Clare Bedman or Bonfire	1.60	16.00

ALL 1910 CROP

STOKES' SEED STORE

219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.

Proprietors The Florists' Exchange

P. O. Box 1697 N. Y.

$ Need Money, Need Room $ For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.

NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.

ROMAN HYACINTHS, 12-15 ctme., $23.00 per 1000.

LILIUM Harrieli, 7-9 inch, $8.00 per 100. Special low prices on DUTCH BULBS, BOXWOOD, BAY TREES, etc.

F. W. O. SCHMITZ, Prince Bay, N. Y

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vanghan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, etc., Nov. 5-6.—Stumpp & Walter Co., 10 cases Mushroom spawn. Nov. 10.—A. Murphy & Co., 18 pkgs. plants; P. Henderson &Co., 22 bags seed; J. M. McCullough & Sons, 4 cases trees and shrubs; H. A. Dreer, 33 cases trees; R. M. Ward & Co., 28 cases roots; O. V. Zangen, 4 cases shrubs, 6 cases roots; P. Henderson & Co., 25 cases roots; Vaughan's Seed Store, 133 pkgs. trees; W. Elliott & Sons, 4 cases trees, 362 plants; P. C. Kuyper & Co., 13 cases trees; Mac Niff Horticultural Co., 14 pkgs. trees; McHutchison & Co., 45 cases shrubs; Stumpp & Walter Co., 97 cases. roots.

European Notes

A first touch of Winter heralded the advent of November and broke the 40-day spell of quite unseasonable warmth. It is probable that we shall have a continuance of these conditions, so we are placing our precious Beet plants in a place of safety with all possible speed. Judging by reports which reach us from every quarter, the quantity of this seed ordered on contract for next year is so great that it cannot by any possibility be supplied, even if the growers are ever so willing to put out every plant they possess. In this connection the remarks of Captain Landreth in a recent issue of The Florists' Exchange are extremely apropos.

Owing to persistent short deliveries during the past three years, and the general clearance of stocks on hand, many people have placed contracts for double or treble their average requirements. A full delivery of these would, therefore, be a disaster and not a boon, but no one need keep awake anticipating the disaster this year. The Beet growers in the West are in a very ugly mood just now, both as regards next season's crops and those which have just been threshed; and their reprehensible conduct in regard to the latter is aggravated by the dishonorable tactics which are again adopted by irresponsible dealers. Under such influences, growers repudiate any obligation, either moral or legal, and the dealer who has confided his choicest stock seed to their care has apparently no redress for their dishonesty. This is all very exasperating to the dealer and his clients, but the growers will suffer the most in the end.

Radish threshing, which was checked for a few days by some heavy and badly needed rains, is now in full swing once more, and with the same results. England, France and Germany all report that the yield will not average more than 60 per cent., and in the case of the extra early varieties it is even less. A slight rise in the price of grain will make it practically impossible to induce old growers to continue this culture next season, and new and capable growers are hard to find.

Universal sympathy is extended to the unfortunate growers at the foot of Vesu-

If your business demands a good article in Lily bulbs, you cannot do better than to buy Horseshoe Brand bulbs. If you just want cheap bulbs, don't write us, because we really don't want your order; but if you want a good article and are willing to pay for it, we want your business.

Our November prices are as follows:

FORMOSAS

6x8 inch, $20.00 per case of 400 bulbs.

7x9 inch, $21.00 per case of 280 bulbs.

8x10 inch, $21.60 per case of 240 bulbs.

9x10 inch, $21.00 per case of 200 bulbs.

MULTIFLORUM

7x9 inch, $16.50 per case of 300 bulbs.

8x10 inch, $16.25 per case of 250 bulbs.

9x10 inch, $17.00 per case of 200 bulbs.

GIGANTEUM

6x8 inch, $20.00 per case of 400 bulbs.

7x8 inch, $22.75 per case of 350 bulbs.

7x9 inch, $22.50 per case of 300 bulbs.

8x10 inch, $25.00 per case of 250 bulbs.

9x10 inch, $22.00 per case of 200 bulbs.

9x11 inch, $21.60 per case of 180 bulbs.

F. o. b. New York, Cincinnati or Chicago. For cash with order during November we will allow 5% discount. Order now for delivery from Cold Storage during 1911. Catalog free.

RALPH M. WARD & COMPANY

"Not How Cheap—But How Good" **12 WEST BROADWAY, NEW YORK**

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Cinbriatum Carmineo-Marginatum	8.00	1.00
Ivery of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Mont Blanc** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunrey,** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red
Pure Pink
Pure White
White, with Dark Eye
} 60 cents per 100 / $5.00 per 1000

Salmoneum - - - 75c. per 100 $7.00 per 1000

Ruhm von Wandsbeck, (PRIDE OF WANDSBECK) The best growing salmon sort, $1.00 per 100; $9.00 per 1000.

Fimbriatum carmineo marginatum, white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.

Please mention the Exchange when writing.

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 600 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 6000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.

Please mention the Exchange when writing.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.
2-8 Duane Street, New York

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$6.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marlenthal	.60	5.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.76	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

OUR XMAS NUMBER

Will be issued on Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.60 per bu

Terms: 1%—10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 94 Years

Please mention the Exchange when writing.

vius, whose crops have been entirely destroyed in many instances by the terrific storms which have devastated their region. Large stones have also been washed down the mountain side with the loose soil, and many of the fields are practically buried. This will seriously affect the crop of Cauliflower next year and increase the shortage in Onion. The second sowings of dwarf Beans have also suffered severely.

E. J. Deal has arrived in England.

EUROPEAN SEEDS.

American Notes

Bulb Trade Still Active

The bulb trade is still quite active, although the beginning of the end of the season is now in sight and our seedsmen are making special offers of what few surpluses they have left, which, on the whole, are not nearly so many as in past seasons. In fact, it may be said that not for years have French and Dutch bulbs sold so evenly and steadily as they have this season. Chinese Sacred Lilies have enjoyed an unusual demand and will, of course, retail for many weeks yet. Those seedsmen catering particularly to holiday trade are expecting good business for Thanksgiving, especially in the line of decorative greens. While there is quite a little extra trade for the seedsmen at Thanksgiving, it is, naturally, small compared with the business that Christmas brings. Other lines of seasonable seeds and needed supplies handled by the seedsmen are in steady demand, in fact, from the reports received regarding trade from all sections of the country, November, thus far, has been a very satisfactory month indeed.

Seed Prices for 1911

It was mentioned in these columns a few weeks ago that there was destined to be much discussion among seedsmen regarding what the seed catalog prices, especially at retail, should be for the coming season of 1911. A year ago at this time, when the seedsmen were aranging their prices for their catalogs, it was realized that retail rates for seeds must be high for 1910, but it was hoped that the seed crops of 1910 would be so ample that what many customers considered almost prohibitive prices for seeds need not be continued but, as is now well known, the seed crop shortages the past season in so many directions make even higher prices than last year imperative. Of course, the scarcity of Garden Peas will advance the rate on these, even higher than a year ago, and there will be many other items in vegetable seeds that must be considerably advanced.

The main reason that seed prices have been advancing the past two or three seasons so steadily is the shortage of the seed crops season after season, but deeper than this is the fact that seedsmen are gradually realizing more and more that the demand for seeds of all kinds is increasing in greater ratio than the sources of supply. As is well known, the past four or five years have seen seed prices steadily rise on account of these shortages in the seed crops, but as above mentioned, the other side of this question is that the demand for seeds is steadily increasing each season and there does not seem to be an equal increase, so to speak, in the number of growers of first-class stocks of seeds.

These thoughts were outlined in this column by the writer some four years ago, and the advancing prices which were then foreshadowed have certainly materialized. This whole question is most important to our seedsmen and deserves the most careful and serious consideration.

Decorative Plants

It will not now be many weeks before the Holland bulb season will be practically over and seedsmen will begin to see a more or less slack period ahead. The holiday trade is a good business filler-in, but, at the same time, any goods in the seedsman's line that are good sellers are very welcome at this time of the year. Of late years, the sales of house plants have, with many, become quite a department. In fact, sales of everything in this line for window and house decoration

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 30c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

THE W. E. BARRETT CO.

PROVIDENCE, R. I.

One of New England's Oldest Seed Houses

GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE

Please mention the Exchange when writing.

Begonia Seeds

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties; trade packet $1.00.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists

156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square

Respectfully solicit your patronage

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Hensoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

VAUGHAN'S

Fancy XXX Holly and Bouquet Green for Thanksgiving

WRITE FOR PRICES

SPIRÆA—Just Arrived

	Per Doz.	Per 100
Queen Alexandra	$1.80	$11.50
Astilboides Floribunda	.85	6.00
Astilboides Superba	.90	6.50
Blondin	.85	6.00
Compacta Multillora	.75	5.50
Gladstone	1.25	8.50
Japonica	.65	4.50

GLADIOLUS

FOR WINTER FORCING

	Per 100	Per 1000
Colvillei Alba (The Bride)	$0.65	$5.00
Colvillei Rubra	.55	5.00
Blushing Bride	.50	4.50
Peach Blossom	1.00	8.00

LILIUM GIGANTEUM

	Per 1000
6x8 (400 to case) In case lots	$36.00
7x9 (300 to case) In case lots	60.00
9x10 (200 to case) In case lots	95.00

LILIUM MULTIFLORUM

	Per 1000
6x8 (400 to case) in case lots	$26.00
7x9 (300 to case) in case lots	45.00
9x10 (200 to case) in case lots	75.00

LILIUM FORMOSUM

	Per 1000
10x11 (150 to case) in case lots	$100.00

LILY OF THE VALLEY

	Per 1000	Per 5000
London Market Brand	$14.00	$67.50
Premium Brand	12.00	57.50
International Brand	10.00	47.00

CHINESE LILIES

	Per 1000
Mammoth Size	$50.00
Selected 1st size	27.00

DUTCH BULBS

Write for Surplus.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

have wonderfully increased during the last few seasons, until this branch of the seedsman's business can no longer be considered a side issue; it will be found by all dealers in seeds, bulbs and kindred lines, that a good assortment of decorative house plants is an excellent trade bringer in the late Autumn and early Winter.

V.

New York Seed Trade

Retail-counter bulb sales are still continuing remarkably good; in fact, several quite large orders were placed in this city the past week, which caused the seed houses handling them some little trouble to get together the quantities needed. Bulb stocks, on the whole, are working down well and quite evenly, and although the end of the season is now in sight, there is no apprehension expressed in any quarter that the surpluses left will be at all large.

Vaughan's Seed Store has been distributing a little pamphlet on Mushrooms, which has proved very popular with their customers, and is certainly excellent advertising. The store will, as usual, for the holidays handle a full line of decorative evergreens, wreaths, Mistletoe, etc. The special price list which this house annually distributes will very soon be ready for customers.

The expressmen's strike is practically over, much to the satisfaction of everyone in the trade, but it will be several days yet before things are again running smoothly, as at present the companies are not receiving any outward going packages, devoting their energies to the delivery of the immense amount of accumulated frieght which was piled up during the three or more weeks of trouble.

The Stumpp & Walter Co. reports an excellent trade for bulbs in the past week, both at wholesale and retail, and feels sure that the end of the season will find its stocks in this direction well cleaned up.

Much interest is being manifested in the coming bowling season, and there is certainly no reason why a good bowling team should not be made up from the material available among the seed trade. ...

Harry A. Bunyard, of Boddington's, was nominated last Monday, by the nominating committee of the New York Florists' Club, for the office of vice-president. The election will be next month.

James J. Comont was a recent visitor in the interests of James Carter, Dunnett & Beale, London, England. Mr. Comont reports general seed business in this country as being, in his judgment, in a most satisfactory and healthy condition.

At Boddington's this week, stocks of Spiræas are being received and distributed. This house also reports much larger sales of Darwin Tulips than in any previous season, and mentions especially how largely customers have called for named varieties of both Hyacinths and Tulips. Bulb surpluses are not large, but on what there are some very attractive prices are being made.

H. H. Berger & Co. are offering what surpluses of French and Dutch bulbs they have at attractive prices to close the season. Their list of Tulips in named varieties, both single and double, is well worthy the attention of those needing this line of stock.

Philadelphia Seed Trade

All seedsmen are now using every means at their command to dispose of their stock of bulbs so as to have no surplus left on their hands, and the result is a heavy and steady sale.

Henry A. Dreer, Inc., continues the window display of bulbs, Pumpkins, Squash and Gourds. G. A. Thorlein of this concern is still confined at his home,

A Few Specialties in Bulbs

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Princeps, extra large double-nosed bulbs	9.50
Van Sion, Double, first-sized bulbs	9.00
Poeticus Ornatus, extra large double-nosed bulbs	7.50
Paper White Grandiflora, 13 ctm. and up	9.00
Orientalis (Chinese Sacred Lilies), casket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	**Keizerskroon**	$10.50
La Reine	8.00	**Mon Tresor**	11.50
Prince of Austria	12.00	**Rose Luisante**	14.50
Rose Grisdelin	8.50	**Vermilion Brilliant**	18.50
Thomas Moore	8.00		

	Per 1000
Single Finest Mixed, all colors, for bedding	7.50
Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz	10.00
Salvator Rosa	14.00
Gesneriana Spathulata, the true Gesneriana, the finest of all late Tulips	9.50
Double Finest Mixed, all colors for bedding	8.50

HYACINTHS

Our stock of these will be found exceptionally fine.

	Per 1000
Fine Named, our selection, best sorts. (For list of varieties, see wholesale list) Per 100 $4.00	$35.00
Separate Colors, Single, pink, white and blue	20.00
Miniature, Chas. Dickens and Moreno	20.00
White Roman, selected bulbs, 13-15 ctm	25.00

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips.....$8.00 Case containing 1000 pips.....$15.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum multiflorum, case 300 bulbs, $13.50.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
CROCUS, finest named varieties, $5.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Gladstone,** $9.50 per case; **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. Pierson Co.

TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

Gorgeous Iris

FOR FALL PLANTING

GERMAN — Per 1000

HONORABLE. Intense yellow, falls a beautiful bronze..... $10.00
FRAGRANCE. White edged with blue; falls white with blue penciling 25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling. 25.00
PARKMANI. Uprights pure lemon; falls white veined purple..... 25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red. 25.00
All colors mixed 15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best..... 50.00
MAHOGANY. Dark red, shaded maroon 50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement 50.00
PYRAMID. Lilac blue, veined white center each petal. 50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson. 50.00

Single

APOLLO. Pure white, pink center 50.00
H. VON SIEBOLD. Reddish, veined white, yellow center. 50.00
LAVENDER QUEEN. Fine lavender 50.00
TOLEDO. White, light purple center 50.00

PÆONIES

Mixed Varieties, Strong Divisions, per 100. $5.00

8 per cent. discount for cash.

John Lewis Childs

Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Lilium Multiflorum

7/9 .....$50.00 per 1000
8/10..... 75.00 "
9/10..... 85.00 "

Lilium Giganteum

7/9 .....$62.50 per 1000.
8/10..... 90.00 "
9/10.....100.00 "

Case lots of both sold at 1000 rates

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

BULBS

SELLING RAPIDLY

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next Spring, place your order of bulbs with us this Fall.

DO IT NOW

They will be sold out a little later.

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Please mention the Exchange when writing.

having narrowly escaped pneumonia brought on through a cold contracted when he was abroad last Summer. J. Otto Thilow, secretary of this house, reports continued heavy sales of bulbs and small nursery stock. Mr. Thilow, as chairman of the essay committee of the Florists' Club, is endeavoring to find suitable speakers to deliver addresses or read essays at the several coming meetings of the Club. It is a great pity that so many men who have the ability to interest and benefit their fellows, by declining an invitation to speak before the florists' club, let pass the golden opportunity both to help others and improve themselves.

Mr. Sherry, of the Johnson Seed Co., reports an active week's business in Peony roots and in Tulip and Chinese Sacred Lily bulbs. A letter to this company shows that one Holland bulb grower alone has a surplus of 441,000 bulbs, which he is offering to place in this country in fourteen days from receipt of order.

W. P. Stokes, head of Stokes' Seed Store, still continues to handle the Model Incubator, a machine which has given much satisfaction. This machine is hereafter to be called the Essex Model Incubator, The Robert Essex Co., Inc., Buffalo, N. Y., have taken over all the patents on the machine. It reports an increase of 300 per cent. on sales of this incubator during the last three months. The same company has also taken over the Cornell Incubator Co., Ithaca, N. Y. Mr. Stokes reports that sales of bulbs have been so satisfactory that he has very small surpluses on hand.

The Moore Seed Co. reports that it has received advices showing that its seeds from Dutch and French growers have already been shipped. Mr. Moore has now received definite reports from all Pea and Bean growers with whom his company placed orders, and finds that the deliveries will be 10 to 25 per cent. of the orders placed; and in the case of contracts for Asparagus plumosus nanus seeds the deliveries will be no more than 20 per cent. A Canadian grower of seed Peas writes: "We are not going to average a crop of more than double our seed planted, consequently if we are to continue in business it will take about half our crop for seed stock again, which means that we will have little more than our seed stock planted last Spring to fill our engagements upon. Don't think we ever had such a failure here before in Peas." Mr. Agnew of the Pacific Seed Growers Co., San Francisco, recently called upon the Moore Seed Co.

J. H. Smith, of the H. F. Michell Co., 518 Market st., has fully recovered from his recent illness and is at the store again. A recent caller at the Michell store was C. B. Knickman of the McHutchinson Co., New York City. The Michell Evergreen Seed Gardens, at Torresdale, Pa., are becoming fully stocked with perennial plants, and expect to introduce some sensational novelties in the near future. Dahlias also will be a feature at the Gardens. The Michell Co. is sending out to its patrons the following invitation, reference to which was made last week:

Messrs. Henry F. Michell Co. desire your presence at a matinee lecture to be given Monday, November 21, 11 a. m., at their new colossal emporium, 518 Market st. Subject: "Bulbs as House Plants; How to Start Them; How to Take Care of Them; How to Make Them Bloom Successfully." Practical demonstrations will accompany the lecture. New discoveries will be related. Lecturer, Maurice Fuld (of the Henry F. Michell Co.). Admission free. Purpose: Our Endeavor to Make Everyone a Successful Gardener.

Boston Seed Trade

Larger quantities of bulbs have been planted this Fall than ever before. The naturalization of bulbs in woodlands and in grass is becoming quite common in large private estates; our parks, too, are taking up the idea and planting in large quantities. There is no more pleasing way of using bulbs than this and it takes many thousands to make a pleasing effect. Our bulb dealers are getting rid of large quantities in this way and there will not be much surplus left of the immense importations.

A few days ago I paid a visit to the large department stores to see the material they were selling in the way of bulbs. One could hardly imagine that reputable houses, which carry high grades of other kinds of goods, would carry such rubbish in bulbs to offer their customers. We never saw such miserable looking stock offered for sale anywhere, and yet,

Cost is measured by the results obtained and in no other way

"Replying to yours of even date, would say, do not continue our advertisement as our Carnation Plants are all sold. Your paper was issued on Saturday and that evening we had a telegram for the entire lot of plants. We received the same satisfaction from our advertisements inserted several weeks ago."

Address of this advertiser upon application.

Extra Size, French Forcing

Campernelle Jonquils

$4.00 per 1000, $15.00 per case of 4000.

WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy **NEW YORK CITY**

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark

American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies
Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn
Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, extra fine, large plants, commencing to bloom, at $3.00 per 1000; 5000 lots at $2.50 per 1000. Smaller size, but strong and stocky, $2.50 per 1000; 5000 lots at $2.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Giant Pansies. The finest strains and finest plants the market affords, as follows: **Our Own Specials, Our Cut Flower Collection, Masterpiece, Bugnot, Mme. Perret, Giant Prize, Trimardeau, Fire King, Orchid-Flowered, Peacock, Snow Queen, Emperor William and Fairy Queen,** strong, field-grown plants, your own selection, 3.00 per 1000 or $5.00 per 2000. Our selection of all above kinds, Mixed, at $2.50 per 1000, $4.50 per 2000, $10.00 per 5000. **ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.**

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,

Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store

CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.

GIANT PANSIES

Bugnot, Cassier, Odier, etc., mixed, guaranteed A1. $2.50 per 1000.
CUPHEA, 2 in., 1½c., R. C., 75c. per 100.
HELIOTROPE, 2 in., 1½c., R. C., $1.00 per 100.
DOUBLE PETUNIAS and WHITE PARIS DAISIES, $1.00 per 100.
RUBBERS, fine stock, 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and Rosea, 2-in. pots, $2.00 per 100; **Carmines,** 2-in. pots, $3.00 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, COREOPSIS LANCEOLATA GRANDIFLORA and CAMPANULAS, all from field, $1.00 per 100.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100. **Rooted Cuttings,** $1.00 per 100..
FEVERFEW, Gem, 2-in., $2.00 per 100.
SALVIA, Bonfire, Zurich and Spleadens, 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.50 per 100.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK



MICHELL ANNOUNCES

No advance in prices on Japanese Lilies

The crop of all Japanese Lilies has been extremely short, and though many of our competitors have filled their orders only in part, every one of our orders has been filled in full.

The growers have advanced their prices; but our prices remain unchanged.

One of the winning features of the house of Michell. We offer subject to being left unsold or receipt of order:

LILIUM GIGANTEUM

Size 6 to 8 in. (400 bulbs in a case).....	per 100 $4.00	per 1000 $38.00	per original case	$15.20
" 7 to 9 in. (300 bulbs in a case).....	" 6.50	" 62.00	" "	18.60
" 8 to 10 in. (225 bulbs in a csse).....	" 9.50	" 90.00	" "	20.25
" 9 to 10 in. (200 bulbs in a case).....	" 10.50	" 97.50	" "	19.50

LILIUM MULTIFLORUM

MICHELL'S SPECIAL QUALITY

Size 7x 9 in. (300 bulbs in a case).....	per 100 $5.50	per 1000 $52.50	per original case	$15.75
" 8x10 in. (240 bulbs in a case).....	" 8.25	" 77.50	" "	18.60

EASTER COMES APRIL 16

Please order original cases.
Order quickly. Quantity limited.

518 NOTE OUR NEW NUMBER

Now at 518 Market St.

Henry F. Michell Co., Philadelphia, Pa.

Please mention the Exchange when writing.

to my surprise, they were quite busy selling bulbs at good prices.

There are many people who do not know where the seed houses and bulb dealers are located, hence the reason why they buy in the department store. I think our bulb men and seedsmen are making a mistake when they haven't a good display of bulbs in some of the windows on one of our busy thoroughfares, such as Tremont st. or Washington st., to show the public what really good bulbs are like.

The Public Garden has made more extensive bulb planting this season than usual and this week will about finish their work.

R. & J. Farquhar & Co. are making many improvements at their Dedham Nursery. A new packing shed of large dimensions is being built and a greenhouse 250 ft. by 50 ft. is also under erection; several additional greenhouses of the same size are to be built next Spring.

R. C.

A New Des Moines (Ia.) Seed Store

It will doubtless interest many of our readers to know that Des Moines is to have another first class seed store. This, The Des Moines Seed Co., has been organized by K. H. Guthrie and his associates, who have purchased the business of E. J. Hohberger, who has for about twenty years past been located at 409-411 East Fifth st.; the new company expect to remain in the same location. The store will be newly fitted up and they will push hard for trade in seeds, poultry supplies, cut flowers, etc., not only locally but throughout the Western States.

Mr. Guthrie was formerly a farmer, fruit grower and breeder of fine poultry. On coming to Des Moines he entered the employ of the Iowa Seed Company, remaining with them in charge of important departments for fourteen years. Mr. Guthrie is well known to a large circle of acquaintances, has been prominent in business affairs in this city for many years past, and is secretary of the local and Iowa State Poultry Association.

American Purchases of Japanese Lily Bulbs

Consul-General Thomas Sammons, of Yokohama, quotes the following statistics showing the exportation of Lily bulbs from Japan to the United States from 1905 to 1909, inclusive:

Year	Number	Value
1905	4,854,215	$84,056
1906	6,206,456	117,453
1907	6,646,674	141,803
1908	5,165,899	92,169
1909	6,637,924	132,723

The following sizes of bulbs are largely exported from Japan to the United States: 6 to 8 in., 7 to 9 in., 8 to 10 in. diameter.—*U. S. Consular Report.*

The Short Course at Amherst

During the short course in floriculture at the Mass. Agri. College, Amherst, Mass., a designer from Thomas Galvin, Inc., of Boston, will give a lecture-demonstration on design making. This will be followed by a series of afternoon exercises in "making-up."

New Horticultural Building for Wisconsin College and Station

A modern horticultural building, with potting house and greenhouses, is being constructed for the horticultural and plant pathology departments of the College of Agriculture of the University of Wisconsin, at Madison. The entire new structure will cost about $60,000, exclusive of equipment, and will provide much needed additional facilities for instruction and research work in horticulture and plant pathology at the university. One range of four greenhouses, 100 ft. long and 20 ft. wide, is completed, and a potting house adjoining this is about finished.

The main horticultural building will consist of a three-story, fireproof, rectangular structure, 128x48 ft., forming the main section of what will ultimately be a central building with two wings. The construction will consist of reinforced concrete, with brick exterior trimmed in stone, and red tiled roof, being absolutely fireproof throughout. The building is located upon a southwest slope and the high basement will give a well-lighted basement story, which will include a large machinery laboratory for orchard, garden and spraying machinery, separate storage cellar for vegetables, fruits and seeds, a large general storage room, a laboratory for the preparation and demonstration of spraying materials, and a general work room.

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $3.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and roesa, 2¼-in. pots	1.50
Obconica Gigantea	2.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

EIGHT THOUSAND

Violet Plants

Healthy, Field-Grown Plants

LA FRANCE, $5.00 per 100, $45.00 per 1000.

BRUNO HENKER, NORTH STREET, WHITE PLAINS, N.Y.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.

Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.

PANSIES, none better at any price, fine plants, $1.50 per 1000, $10.00 per 5000.

DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.

PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.

PRIMULAS, Chinese, 2½-inch, $3.00 per 100, $5.00 per 200.

ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

F. E. — Alert and Up-to-Date

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

DON'T be satisfied with anything but the BEST

In placing your order for

Craig Quality Stock

you can insure yourself against inferior goods. Our stock is the highest quality obtainable, and we solicit your valued orders. We have thousands of satisfied customers.

WHY NOT YOU?

BEGONIA GLOIRE DE LORRAINE

We have the largest and finest stock of this grand Christmas Plant in America, and are in a position to ship plants of the following sizes in full bloom at once:

6-in. pots, very heavy.....$12 per doz.
7-in. pots, very heavy..$15 and $18 per doz.
8-in. pots, very heavy..$24 and $30 per doz.

These can be used to advantage during November.

Send us your sample order now, see the quality, and then mail us your Christmas order.

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-in. pots, 2 feet tall.....$2.00 each
6-in. pots, 2½ feet tall..... 2.50 each
7-in. pots, 3 feet tall..... 3.00 each
8-in. pots, 4 feet tall..... 4.00 each
10-in. and 11-in. tubs, 6 to 7 feet tall .....$5, $6, 7.50 each

The large plants are unusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.

Branch plants, exceptionally fine, at $2.50 $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

CROTONS

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

4-in. pots .....$25.00 per 100
5-in. pots .....$1.00 each
6-in. pots 75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾-pans ....$5.00, $6.00 and $7.50 each

We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.

6-7-8-in. pots $1.50, $2.00, $2.50

Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

DRACAENA MASSANGEANA

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.

6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

DRACAENA AMABILIS

6-in.pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

DRACAENA FRAGRANS

Ready now.

5-in. pots .....$5.00 and $6.00 per doz.

PHOENIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

PANDANUS UTILIS

Superb Stock.

8-in. pots, strong plants, $18.00 and $24.00 doz.

ARAUCARIA EXCELSA

5-in. pots, 4 and 5 tiers, $9.00 doz., $70.00 100
6-in. pots, 5 tiers.....$12.00 doz.

A ECA LUTESCENS

Our stock is in splendid condition.

Heavy 7-in. pots, 3 planta, 36 in. tall .....$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall .....$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall.....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall .....$3.50 each

PANDANUS PACIFICA

Very handsome planta.

11-in. tubs..$2.50, $3.00, $3.50 and $4.00 each

BOUGAINVILLEA SANDERIANA

An exceptionally fine lot of shapely specimens at $2.50, $3.00 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter.

NEPH. TODEAOIDES

London Fern

This variety we conaider the best of the upright growing class.

2¼-in. pots ....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

NEPH. SCHOLZELI

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots.....$8.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy, $6.00 and $9.00 per doz.
8-in. ¾ pans, heavy .....$15.00 per doz.
10-in. ¾ pans, heavy .....$24.00 per doz.

NEPH. ELEGANTISSIMA IMPROVED

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strong plants, $6.00 and $9.00 doz.

NEPH. AMERPOHLII

Philadelphia Lace Fern.

6-in. pots .....$6.00 and $9.00 doz.

NEPH. ELEGANTISSIMA COMPACTA

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.

2¼-in. pots ...$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in pans .....$15.00 per doz.

NEPH. SCOTTII

Our stock in superb condition.

2¼-in. pots ....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots.....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

BOXWOOD, JUST ARRIVED

We have an ususually large stock of fine plants of all sizes.

For Window Boxes.

Heavy Stock, 50c., 60c., 75c. each.
Ball Shape, $1.00, $1.25, $1.50 each.
Heavy Bush Form, $1.00, $1.25, $1.50 each.
Pyramids, $2.25, $3.00, $3.50, $4.00, $5.00 each.
Pyramids, Square Shape, very handsome, in fancy tubs, $12.50 each.

It will be well to place your order for above at once. We will hold same for future delivery or ship at once.

CYCLAMEN

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.

5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots, very heavy.....$75.00 per 100

We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.

4-in. pots .....$25.00 per 100
5-in. pots ....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.50 each
8-in. specimen plants ...$3.00 and $3.50 each

GARDENIA VEITCHII

Strong plants.

2¼-in. pots, heavy, $8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy, $9.00 doz., $70.00 per 100

The above will make grand stock for Winter blooming.

ROBERT CRAIG CO., Forty-Ninth and Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Please mention the Exchange when writing.

The main floor provides four general offices and some small laboratories, a classroom which will seat 125 students, and a large laboratory for landscape work, accommodating 50 to 60 students. There will be offices for the extension department, a seminary and reading room, and an extensive museum and hibernium. One end of the second floor will be devoted to a large class room, seating 250 students, and the other end of the floor will be occupied by the department of plant pathology. Offices, laboratories, museum and a large general laboratory are provided. The third or attic story is arranged so that it may be finished, providing a large laboratory and store-room.

About 300 ft. south of the main structure is located the potting house, south of which are the greenhouses. The potting house, 20x68 ft., is joined to the greenhouses by a covered driveway. The potting house contains a general potting laboratory, a room for the preparation of spray mixtures, storage quarters for bulbs, a Mushroom growing room, an attendant's office, and storage for tools. The 100 ft. greenhouses are divided into 33 ft. sections, all of which are equipped with high benches, except one 66 ft. section, which will be used as a garden house for instructional purposes. One section of the greenhouses will be used by the plant pathology department and agricultural chemistry department. Another section is fitted as a conservatory. A laboratory, 20x33 ft., for the plant pathology department, adjoins the greenhouses devoted to that work. The entire plant will be heated by steam from the University heating station.

The work of the horticultural department is developing rapidly under the direction of Prof. J. G. Moore, recently appointed in charge of the department. Associated with him are O. R. Butler, appointed this Summer, who will devote his attention primarily to research work; J. G. Milward, devoting his time to extension work, conducting orchard and Potato spraying demonstrations at many points in the State and extension experiments in Potato growing; A. J. Rogers, assistant in instructional and experimental work and vegetable forcing, market gardening, etc.; and J. Johnson, assistant in Tobacco investigations. With the new facilities provided by this building, the increased demand in the department for instructional and research work will be met.

Washington, D. C.

The Florists' Club held a short meeting at Gude's store on Wednesday evening, the recent exhibition having conflicted with the regular meeting night, which is the first Tuesday of each month.

W. W. Kimmel has been on crutches for about a week, having strained the muscles of his leg.

The Chrysanthemum Show of the Department of Agriculture closed on the night of Nov. 9. The attendance was large. The two-year-old Carnation plants in solid beds are in excellent shape and coming into crop with a large quantity of good flowers.

F. H. Kramer opened his annual exhibition at his F. st. store and conservatory on Nov. 8, with a fine display of Chrysanthemums, Palms, Ferns, Roses, etc. During the evenings he had Prof. Pistona's full orchestra, which closed the show on Sunday night with a sacred concert.

Wm. Marche has a finely arranged display of tall 'Mums in vases on steps, among Kentia Palms and Ferns.

The new firm of Hardy & Lillis has dissolved, the business having been sold to Jos. M. Hardy of the same firm.

Louis Freeman, who for several years has been employed by the Bureau of Plant Industry, Dept. of Agriculture, is to wed in the near future, and accept a position with his father, J. R. Freeman, one of the pioneer florists of the District of Columbia.

E. W. Pierce, formerly with Z. D. Blackistone, now manager for Seidewitz of Baltimore, was in this city during the week purchasing stock from our wholesale houses.

The Southern shipping trade of the Florists' Exchange is increasing daily.

The Non-Breakable Flower Vase Co. reports a good demand for their wares.

Prof. Charlemagne Koehler, honorary member of the Florists' Club of Washington, is spending the Winter in Cincinnati, teaching and giving readings in that and near-by cities.

Andrew Schlevogt, the highly esteemed manager of the Brooklyn branch of Wood, Harmon & Co., and formerly of this city, stopped here a few hours on the night of Nov. 2. Mr. Schlevogt's many friends will regret to learn that his mission here was to place the remains of his little child in the Alexandria Cemetery.

The Washington Florists Co. is showing a fine new novelty in imitation ivory jardinières and fancy baskets. They are also receiving some excellent American Beauty Roses and Bouvardia from their Alexandria range.

Z. D. Blackistone has just returned from a very successful hunting trip in southern Maryland.

There were more large Chrysanthemums sold on Nov. 12 than on any day previously, many at $1 apiece. The demand came from patrons of the annual football game between University of Virginia and Georgetown College teams. White 'Mums were for the Georgetown and yellow for the Virginia fans.

W. H. Abbott, who conducts the souvenir stand in the Bureau of Printing and Eugraving, and who owns a small farm near Cabin John Bridge, Md., is an enthusiastic Chrysanthemum grower and hybridizer, having already quite a few good varieties of his own creation. He is now classifying nearly 500 varieties of 'Mums with detailed descriptions of each, preparatory to entering the commercial field with 'Mums as a specialty. He is also growiug a few Violets.

JAS. L. CARBERY.

MT. VERNON, IA.—The Mt. Vernon greenhouse, owned and operated by A. T. Cowan, was entirely destroyed by fire recently. There was no insurance except against hail, so the place is an entire loss, and in addition Mr. Cowan lost a fine new overcoat, a new suit of clothes and a gold watch and chain.

VOLUME 1 NUMBER 16

BODDINGTON'S STORE NEWS

SATURDAY, NOVEMBER 19th, 1910

PUBLISHED EVERY NOW AND AGAIN

Quality Bulbs at Surplus Prices

Remember, You May Deduct 10% if Cash Accompanies Order, for this Stock Only—or we will Credit our Regular Customers with this Discount

To give Our Friends and Customers the opportunity to secure our "Quality Bulbs" at Surplus Prices, we make the above liberal discount to close until stock is exhausted. Watch changes weekly.

HYACINTHS

	Doz.	100
Top Roots, in variety	$1.00	$7.00
First Size, in variety	.75	6.00
Second Size, in variety	.50	4.00
Third Size, in variety	.40	3.00

ROMAN HYACINTHS (White)

	Per 1000
4000 12 to 15 ctms.	$20.00
1000 14 ctms. up	30.00

TULIPS (Single)

	Per 100	Per 1000
3000 **Artus**	$0.80	$7.50
700 **Bizard Verdict**	.75	6.00
6250 **Cardinal's Hat**	.80	7.50
6500 **Chrysolora**	.75	6.50
400 **Couleur Poncean**	.80	7.50
4000 **Crimson King**	1.00	9.00
900 **Gold Finch**	1.00	9.00
500 **Golden Queen**	1.75	15.00
300 **Herman Schlegel**	2.50	
700 **Joost van Vondel,** white	2.00	17.50
1750 **La Reine**	1.00	8.00
500 **Le Matelas**	2.25	20.00
1200 **L'Immaculee**	.75	6.50
300 **Maes**	2.25	20.00
250 **Ophir d'Or**	1.25	10.00
850 **Pink Beauty**	3.25	30.00
700 **Pottebakker,** scarlet	1.50	14.00
400 **Pottebakker,** yellow	1.50	14.00
550 **Prince of Austria**	1.25	12.00
1150 **Rose Grisdelin**	1.00	8.00
3100 **Rosamundi** (Huikman)	.80	7.50
6250 **Vermilion Brilliant**	2.00	17.50
720 **White Hawk**	1.75	14.00
1500 **Washington**	1.00	7.50
2150 **Yellow Prince**	1.00	7.50

TULIPS (Single Mixed to Color)

	Per 100	Per 1000
1800 **Red** / 600 **White** / 700 **Yellow**	$0.80	$7.00
1300 **Pink and Rose**	.80	7.00
2500 **Superfine Mixed**	.80	7.00

TULIPS (Double)

300 **Alba maxima**	1.25	10.00
500 **Gloria Solis**	1.25	10.00
500 **Murillo**	1.25	10.00
750 **Rex Rubrorum**	1.50	14.00
700 **Tournesol,** red and yellow	1.75	15.00
1200 **Tournesol,** yellow	1.75	15.00
1000 **Fine Mixed**	.75	7.00

SINGLE LATE OR MAY FLOWERING TULIPS

	Per 100	Per 1000
3000 **Gesneriana macrospila**	$1.00	$7.50
400 **Inglescombe Scarlet**	1.75	15.00

NARCISSUS

3000 **Empress,** Mother Bulbs	1.70	15.00
1000 **Golden Spur,** first size	1.25	12.00
600 **Golden Spur,** Extra Mother Bulbs	2.50	22.00
3000 **Princeps**	1.00	7.50
2500 **Victoria,** first size	1.50	14.00
2150 **Victoria,** Extra Mother Bulbs	1.75	16.00
1100 **Mrs. Langtry**	.75	5.50
2500 **Poeticus**	.75	6.50
1300 **Chinese Sacred Narcissus**	3.25	30.00
600 **Alba plena**	.75	6.00
450 **Sulphur Phœnix**	1.25	12.00
2000 **Double Mixed**	.75	6.50
500 **Double Roman**	.75	6.50
900 **Grand Soleil d'Or**	.75	6.00
850 **Grand Monarque**	1.00	9.00
950 **Grand Primo**	1.00	9.00
900 **States General**	1.00	9.00

PAPER WHITE GRANDIFLORA

From Cold Storage

13 ctms. and up	1.00	9.00

Case of 1250 bulbs for $10.50

LILIUMS

2000 **Candidum**	4.25	40.00

FREESIAS

1800 **Purity**	1.25	12.00

OXALIS

1000 **Buttercup**	.90	8.00
1000 **Bowiei**	.90	8.00
800 **Grand Duchess, White**	.90	8.00
800 **Grand Duchess, Pink**	.90	8.00
500 **Grand Duchess, Lavender**	.90	8.00
450 **Rosea**	.65	5.00
750 **Versicolor**	.65	5.00

ANEMONES

4000 **Coronaria,** Single Blue	.50	4.00
4500 **Coronaria,** Single White	.40	3.50
4500 **Coronaria,** Single Scarlet	.50	4.50
1000 **Coronaria,** Double Ceres	1.00	7.50
2000 **Coronaria,** Double Ceres Rosetti	.75	6.00
1500 **Coronaria,** Double Ceres, King of Scarlets	1.00	8.00
600 **St. Brigid**	1.25	10.00

CROCUS

	Per 100	Per 1000
7000 **Blue Mixed** / 6000 **Striped Mixed** / 9000 **White Mixed**	$0.35	$2.75
4500 **Albion** / 4000 **Baron von Brunow** / 5500 **Caroline Chisholm** / 5500 **Cloth of Gold** / 2500 **Purpurea grandiflora** / 5000 **King of the Whites** / 4000 **Madam Mina** / 3500 **Mt. Blanc** / 7000 **Sir Walter Scott**	.50	4.00
3000 **Mammoth Golden Yellow,** first size	.50	4.50
3000 **Mammoth Golden Yellow,** Top roots	.80	7.50
1500 **Mammoth Golden Yellow,** Mother Bulbs	1.00	9.00

ALLIUMS

800 **Luteum**	.50	4.00

MISCELLANEOUS BULBS

		Per 100	Per 1000
1000	**IXIAS,** magnificent named varieties	$1.25	$10.00
900	**IXIAS,** choice named varieties	.75	5.00
400	**IXIAS,** mixed varieties	.30	2.50
200	**SPARAXIS,** named varieties	.50	4.00
100	**SPARAXIS,** mixed	.30	2.50
3000	**CHIONODOXA Luciliæ**	.75	6.50
1000	**CHIONODOXA Sardensis**	.75	6.00
2500	**CHIONODOXA gigantea**	1.00	7.50
5000	**SNOWDROPS, Elwes' Giant**	1.00	7.50
4000	**SNOWDROPS,** large single, first size	.50	3.50
400	**SNOWDROPS,** large double	1.00	9.00
1000	**MUSCARIA plumosa**	.50	4.50
1250	**SCILLA, Campanulata Excelsior**	1.00	7.50
1000	**Campanulata, Rose**	.75	6.50
800	**Campanulata, Blue**	.50	4.00
500	**Campanulata, White**	.60	5.00
500	**Sibirica,** first size	.75	6.50
1000	**Sibirica,** top roots	1.00	7.50
2000	**LEUCOJUM vernum**	.75	6.50
500	**Æstivum**	.75	5.00
20,000	**SPANISH IRIS,** Mixed	.40	3.00
5000	**GLADIOLUS, Peach Blossom**	1.00	7.50
2000	**The Bride**	.75	5.00
3000	**Ackermanii**	.75	6.00

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$15.00 per 1000, $1.75 per 100. Special Quotations on Large Quantities

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New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

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3 to 4 ft. at $5.00 per 100; large stock is scarce.

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4 to 6 ft., 5-8 inch at $10.00 per 100.

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3 year olds extra at $5.00 per 1000.

Thees prices are for stock delivered after the 16th of October.

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Fall Price List—200 Sorts

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
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Leonard Oorthuys
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F. E. — Alert and Up-to-Date

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5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 2 to 3 ft., 7c. each.
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Rhododendron, select hardy varieties.

Catalogue free on demand.

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Strong Forcing Stock for Florists.
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Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

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We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

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LADY GAY and DOROTHY PERKINS ROSES

Field-grown, cut back to 2 or 3 feet of wood.
$5.00 per 100; $40.00 per 1000.

FLORENCE NURSERY . . Florence, S. C.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE, P. O. Box 1697, NEW YORK CITY

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinisporas, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

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Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

COMMERCIAL VIOLET CULTURE Price $1.50
A. T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N. Y.

Araucaria Excelsa

5-inch pots, 4 to 5 tiers 16 to 18 inches high, 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 6 tiers, with more spread, 18 to 20-inches high, 75 cents each; $7.50 per dozen.

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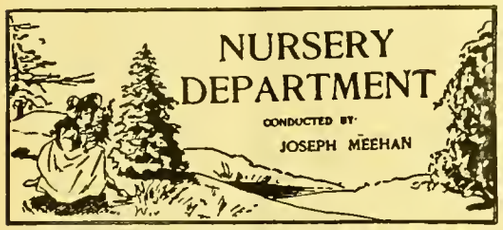

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

NEW HAVEN, CONN.—Mr. Ernest F. Coe, president of The Elm City Nursery Co. this city, sails from San Francisco, Dec. 13, for Japan. The Winter will be spent in travel and study of Japanese gardens.

BOSTON, MASS.—Boston Common is getting a great overhauling. The Parkman Fund has given the authorities money in plenty and they are renewing the soil to the depth of three feet in some places and replacing it with manure and fresh soil. This kind of treatment may be good for the trees but we don't like to see such mutilation of the roots. We saw this kind of work done once before in a prominent place in this vicinity and nearly all the trees are dead today. When trees are young and thrifty they will stand this cruel treatment fairly well, but when old and feeble as are many of the trees on the Common, this is a harsh way of treating them. A better way, and one which would not injure their roots much, would be to loosen the top soil and then put on the soil and the manure to the depth of eighteen inches and raise the grade. This would give them food for many years.

R. C.

Hydrangea cinerea sterilis—Teas' Snowball Hydrangea

Between Hydrangeas and viburnums we have now quite a collection of the Snowball type of shrubs, as these sterile-flowered shrubs are termed. The latest of all to be admitted to the list is the Hydrangea of E. Y. Teas' introduction, H. cinerea sterilis, which he has named Teas' Snowball Hydrangea. This is quite a distinct variety from any other; in fact, the type, H. cinerea, has not been long in cultivation, hence the surprise to the horticultural world when this attractive variety was made known by Mr. Teas.

As our photograph shows, this shrub is a lovely one, bearing its fine heads of flowers freely, and one on every shoot. It is quite distinct from the one sent out a few years ago, H. arborescens grandiflora, as our picture shows; the foliage is different, the leaves of the sterilis being less round than those of the grandiflora; and the individual flowers are smaller, though the heads are as large. While of an undisputed white color, if there is any difference the grandiflora is the whiter of the two.

It is rather singular how this interesting ornamental shrub, and the other one, grandiflora, should have appeared in cultivation almost simultaneously, for Mr. Teas had it on hand propagating it for some few years before sending it out last season.

This Hydrangea, and the grandiflora, follow the usual way of this class of shrub in their flowering. Every shoot may be expected to produce a head of flowers. As some shoots are a little later in pushing than others, these are a trifle later in expanding than the others, but, practically, all bloom at the same time. For example: there will be no more later flowers on the bush before us than are visible.

This Hydrangea is readily increased by cuttings of the hard and the soft wood, and by divisions of the large plants. As it flowers at the same time as the H. Hortensia, no doubt it would force as readily as that well-known kind does. The plant photographed is a four-year-old one, on the writer's grounds, given him for testing purposes by Mr. Teas, three years ago.

A Summer-Flowering Magnolia

Referring to the notes of H. Den Ouden & Son, under the above heading in a recent number of the EXCHANGE, it is observed how climate changes the character of flowering shrubs. Magnolia Soulangeana nigra, which the gentlemen refer to, has shown no sign of flowering in Summer with us. It blooms in Spring, before the leaves appear, just the same as Soulangeana does, and, so far, has shown no flowers later in the season; but it is, as yet, not widely distributed here, though well known to the writer.

It may be that when a Magnolia Lennei shows a tendency to bear a Summer crop of flowers year after year there is something about it peculiar to the tree itself which calls for propagation of it, to perpetuate the Summer blooming kind. The writer has seen a particularly large specimen of this one flower freely in Summer on several occasions; at the same time, he knows of others of the kind, Lennei, that do not bear the Summer crop in addition to the one in Spring, but the Spring one only.

The time will come when variations of this kind will interest our horticulturists much more than they have to this time, for it is to those who have watched such variations we owe the most of the valuable varieties we have.

Sumachs for Autumn Effect

It is not unusual to see the Sumachs, used by landscape gardeners, planted in groups, for the sake of the brilliant effect their Autumn colors give. The Rhus glabra and R. typhina have the preference of these planters it would seem, and somewhat to the exclusion of one of equal and, perhaps, greater merit, the R. copallina. In the writer's estimation, it is of more brilliant coloring than the others and could often be used when a dwarf grower is required. It would have then in competition the R. glabra only, as the R. typhina is a tall grower, of 12 to 20 ft. as generally seen. As they grow in their wild state these Sumachs are very effective, for they spread with rapidity, a single plant becoming a good-sized group in the course of years. As they grow wild the R. glabra is generally seen on higher ground than the typhina, and when the groups are large it is a treat to pass them in November, in advance of freezing weather, and feast on the sheet of crimson and green their foliage presents.

Rhus copallina is more desirable for color than glabra, because its leaves are naturally of a deep, bright green, so that when the Autumn coloring commences the contrast between it and the scarlet, or crimson, of the Fall is more marked and pleasing. This species is not so common in the middle States as the other two named, but is abundant in some parts of New Jersey. Those who have it growing on their grounds say that it does not bear its panicles of seeds as freely as glabra and typhina do. These panicles being red in color add a good deal of charm to grounds where the plants that produce them are growing. While on the subject of Sumachs, it will interest many to know there is a cut-leaved variety of the typhina now, as there has long been of the glabra.

Some say these varieties do not bear panicles of flowers; perhaps they are male forms, it being understood all are not perfect flowering.

The Flowering Grape

Among the many species of wild Grapes in our country, one of them, the Chicken, or Frost Grape, is known as possessing flowers of much fragrance. Though not alone in this, as all Grapes appear to possess it to some degree, it has come to be considered as being dependable in this respect. This Grape is the Vitis cordifolia. There are varieties of it, one of which is called riparia. As all the Grapes grown in a fruit garden are, of course, fruit bearing, it is not well known that many bear only sterile flowers, hence have no fruit. To those familiar with woods where wild Grapes abound it must have been observed that there are many vines that never bear; these are the sterile flowered.

Years ago, one of these fruitless sorts having been noticed it occurred to someone to get wood of it and propagate it, as many a person would value a sweet-scented, flowering Grape, yet would not want its fruit. The vine so propagated was of this Chicken or Frost Grape, Vitis cordifolia, or its variety riparia, a form with foliage rather varying from the typical cordifolia.

What is strange is that hardly anyone understands that what is called "flowering Grape" is a sterile form of the Frost Grape; seedlings of it are accepted and seeds bought as well, in confidence that they are the flowering Grape. Undoubtedly, they would get a sweet-scented Grape, but some of the seedlings might be expected to produce berries, others not. Other species of Grape are sweet-scented as well as cordifolia. The only way to be sure of getting a "flowering Grape," as is understood by the name, is to propagate by cuttings from a sweet-scented one that does not fruit. This is open for anyone to do who meets with such a vine in its wild state. Test it in Spring for its odoriferous quality, and if satisfactory in this respect, and it does not bear fruit, it could be propagated and sold for a flowering Grape, with a good conscience. Cuttings made in the Winter, buried in sand in a cold cellar until Spring, then set out in the nursery, should give a stock.



Hydrangea cinerea sterilis—Teas' Snowball Hydrangea

Cold Storage of Japanese Snowballs

Everyone who has handled the Japanese Snowball in Spring knows how quickly its buds swell when Winter ends, and how necessary it is to get it planted the very first thing. It must be classed with the Larch for early planting and shipping, for, unlike some shrubs of early sprouting nature, it does not take kindly to being planted when in leaf, or when near this condition. Because of this, plants of it should be dug in Autumn and placed in cold storage for Spring use. If no building suitable is available—it should be one kept at about the freezing point—the plants should be buried under ground outdoors until Spring opens, selecting a sloping bank for the purpose, or at least a place where water drains away freely.

All early starting trees and shrubs should be treated in this way. The Larch, already mentioned, for one, the Weeping Willow for another, bush Honeysuckles, Spiræa sorbifolia, and several other kinds that will come to mind as well.

Many nurserymen have cold storage houses already in which to store, in Autumn, stock required for localities earlier than where they are, and it works also to the advantage of buyers in colder States as well, for when in the cold storehouse the plants can be kept in good condition almost indefinitely, so that both early and late customers may be supplied.

Florists have found benefit from having shrubs in flower at a later date than usual with the varieties, and retarded plants such as those held back in storage houses are very useful. It is quite common to treat Hydrangea paniculata grandiflora in this way, deferring its planting until late May, or any time desired, which brings it in flower long after the natural crop is over; and this course could be adopted with any and all shrubs useful in the same way as the Hydrangea named. It is in favor of the latter shrub that it is aided by pruning it back when planting it, with the object of making it thrive even if the weather should be hot and dry, a pruning that the Snowball and other shrubs that flower from their last season's growth could not receive.

Our Xmas. Number will be issued Dec. 10

ENGLISH MANETTI ROSE STOCKS For Immediate Delivery

A SELECT GRADE FOR GREENHOUSE GRAFTING

$12.00 per 1,000. 5,000 at $11.50 per 1,000. 10,000 at $11.00 per 1,000.

THOMAS MEEHAN & SONS, Wholesale Nurserymen, **DRESHER, PENNA.**

Please mention the Exchange when writing.

ONE-HALF MILLION

California Privet

1, 2 and 3 year stock as follows:

	1000	10,000	20,000
1 to 1½ ft. 3 branches up	$10.00	$85.00	$165.00
1½ to 2 ft. 4 branches up	15.00	125.00	210.00
2 to 3 ft. 6 branches up	20.00	175.00	325.00
3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4 to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect.

ORDER EARLY DON'T DELAY

CARLMAN RIBSAM

31 Wall St., TRENTON, N. J.

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Regel's and Ibota Privet

They make hedges that are distinct and different. Our plants are strong and heavy.

	100	1000
Regel's Privet, 2 to 3 feet	$9.00	$65.00
Regel's Privet, 3 to 4 feet	12.50	100.00
Ibota Privet, 2 to 3 feet	9.00	65.00
Ibota Privet, 3 to 4 feet	12.00	85.00

CALIFORNIA PRIVET too, that's heavier than is usually grown. Shrubbery and Shade Trees of many kinds in enormous quantity.

THE WM. H. MOON CO., Morrisville, Pa.

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California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

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Surplus Stock For Sale

500,000 California Privet

Strong Plants

	1000
2 ft., 2 to 4 branches	$10.00
2 to 3 ft., 4 to 5 branches	20.00
3 to 4 ft., 6 to 8 branches	30.00
Taller Plants for Screens, etc.	
4 to 5 ft., 4 to 6 branches	30.00
5 to 6 ft., 6 to 8 branches	50.00

Packing free. Discount on large lots. Inspection invited.

WOOD, HARMON & CO.,

Nursery Department

Church Ave. and E. 58th St., BROOKLYN, N. Y.

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100,000 California Privet

3½ to 4 ft., $4.00 per 100; 2½ to 3 ft., $2.00 per 100; 2 to 2½ ft, $2.50 per 100; 18 to 24 in., $2.00 per 100; all fine 2-year-old stock, well branched. 200 and up 20 per cent. off 100 rates. Packed free.

5000 FERNS, Boston, Scottii and **Whitmani,** 2½ in., $4.00 per 100; 4 in., $15.00 per 100. **10,000 VINCA major variegata,** strong, field stuff, $4.50 per 100. **100,000** 2-year-old **ASPARAGUS ROOTS, PAEONIES** and **CANNA Roots.** Cash please.

BENJ. CONNELL, Florist. Merchantville, N. J.

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BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10.00
18 to 24 in., 1 year, 3 to 6 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

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PRIVET BARGAINS

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants Per 100 $4.00	

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Oswego, N. Y.

Business has been quiet the past two weeks, owing, doubtless, to the bad weather conditions. Rain and snow with high winds, have tended to keep people indoors. 'Mums have sold well so far, still there is a large stock on hand, which it is hoped will be cleaned up at Thanksgiving.

Carl Beckstedt's place is looking good, in fact the whole stock is in better shape than I have ever seen it. Carnations are doing well, especially Beacon, which is a favorite with him. The 'Mums are good, especially Bonnaffon, Dr. Enguehard and Childs. His house of single Violets is giving lots of flowers.

W. D. Stewart has his houses in good shape, the whole stock far in advance of former years. The 'Mums are good, especially some of the old favorites—Golden Wedding, Thornden, Dr. Enguehard, Mrs. Weeks, Pink Delight and White Queen. The Carnations are a very fine lot of plants, and giving lots of flowers, Beacon especially so; a number of plants had from eight to twelve buds on them, good stems, too. Enchantress, Lady Bountiful, Winona and Dorothy Gordon are doing well.

W. H. Workman, as usual, has his stock in fine shape. His 'Mums are far better than last year and he has some fine well finished flowers. Oswego people do not care for sprays, only in funeral work such as casket bouquets. I noticed some very good Yellow Eaton, Yellow Chadwick, Dr. Enguehard, Mrs. Weeks, Kalb, McArthur and several others. Pacific Supreme is well thought of. The houses of Carnations are good: Dorothy Gordon is a favorite and will be more extensively grown next year. Harvard, Beacon, White Enchantress, Rose Pink Enchantress, Lady Bountiful and Enchantress are also grown. His large block of Poinsettias will be just right for Christmas. The Jerusalem Cherries are the best I have seen this year; he thinks he will be overstocked. Large blocks of Cyclamens and Primulas are very fine. H. Y.

San Francisco

The Market

Market conditions this week show but little improvement, in fact, taking it all round, business is very much on the slack side. A few of our leading florists have informed me that trade is beginning to pick up a little, but on the whole the change is scarcely perceptible. Carnations continue to hold their own, so far as quantity and quality are concerned, but prices are not just what they ought to be. Another week should see a change for the better in this line. In the line of Roses I would like to say that the flowers brought into the market last week were simply unfit for use, from a salable point of view, and a disgrace to the men who grew them. Nothing gives me more pleasure than to see good Roses in the market, and I also like to see our growers get good returns for their blooms; but they will have to do a little better in the future, if they wish to do business. 'Mums are wonderfully good and still remain our most popular flower. Prices are not quite so high, but growers inform me that they have no cause for complaint and are clearing off their stock at profitable figures. Orchids are very much in demand, and are being sold by the thousand daily. Cattleyas never vary in price and growers of these flowers are wearing that big smile which denotes good business. I am pleased to see that many of the leading retailers are going in more for good salable pot plants. Palms and Ferns of various sizes have been quite a feature in the stores of late and have been selling well. In the line of green goods there is quite sufficient to go around. Maidenhair Fern is not quite so plentiful but we have still enough to meet the demand.

Various Notes

The C. C. Morse Co., on Market st., reports a heavy call for bulbs of all descriptions this year, and all hands have been kept continually on the move of late.

H. Plath of Ocean View has an exceptionally fine lot of Ferns on view at present. Mr. Plath makes a specialty of Ferns, and one sees both quality and quantity at this establishment.

A recent visit to the Western Nursery showed everything doing well. Mr. Abrahams said that business was remarkably good with him, and that prospects looked well for Christmas trade.

The Huff Mushroom Co., of Napa, will shortly erect another greenhouse for the cultivation of Orchids.

The Garden City Pottery Co., of San José and Oakland, has filled several large orders for pots this week. Business was never better with this concern than at present.

The Art Floral Co. had a most effective window display last week in their store on Post st. A splendid imitation of a shady glen, with trunks of trees overgrown with moss and Orchids of various species, made a display of unusual charm and character. More of this kind of work should be seen in the retail stores.

Congratulations to Julius Eppstein, the popular St. Francis Hotel florist, upon the successful opening of his new store. Mr. Eppstein is one of San Francisco's most uptodate florists, and is one of those men whom people like to see getting on.

The Miss Hannons store on Polk st. was a hive of industry in the past week. Several weddings of late have kept all hands busy. MACMILLAN BROWN.

Boxwood · Boxwood

Personally selected by our Mr. Yates, Jr., while in Europe this Summer. We have been importing thousands of Boxwoods every year, and knowing the demand would be exceptionally large this Fall, we Imported an unusually large quantity, and will pack and ship at the following prices The Finest Boxwood In The Market. Every plant is bushy, bright green, and the price is unusually low, taking in consideration the scarcity of the article.

Kindly send Cash with Order. If you do not think the stock is right, send for a sample dozen or so.

	Per dozen	Per 100
10 to 12 inches	$2.50	$18.00
12 to 14 inches	3.00	20.00
14 to 16 inches	3.50	30.00
16 to 18 inches	5.00	40.00

PYRAMIDAL BOX

	Each
2 to 2½ feet high	$0.75 to $1.00
2½ to 3 feet high	1.00 to 1.25
3 to 3½ feet high	1.25 to 2.00

We will pot any of the above Pyramidal Box in nice green tubs at 35 cents extra.

SPECIAL HARDY CUPRESSUS

	Each	Per doz.
2½ feet high	$0.60	$6.00

This makes a beautiful Evergreen for putting in tubs.

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SMALL FERNS for Dishes, good assortment of varieties, $3.00 per 100, $25.00 per 1000.
NEPHROLEPIS Scholzeli, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.
NEPHROLEPIS Whitmani and Boston, 2½-in., $3.00 per 100, $25.00 per 1000. **Whitmani,** 5-in., $3.50 per dozen, $25.00 per 100.
PRIMULA Sinensis, 3-in., pink and red, $4.00 per 100.
PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.
CELESTIAL or CHRISTMAS PEPPER, 4-in., full of berries, $10.00 per 100.
JERUSALEM CHERRIES, strong, well berried, 5-in., $20.00 per 100.
GLADIOLUS, Blushing Bride and The Bride. 60c. per 100, $5.00 per 1000.
NARCISSUS Emperor and Empress, $1.25 per 100, $11.00 per 1000.
Trumpet Major, French grown, 80c. per 100, $7.00 per 1000.
Paperwhite Grandiflora, 80c. per 100, $7.50 per 1000.
Chinese Sacred Lily, per basket of 30 bulbs $1.00, per bale of 120 bulbs $3.50.
Princeps, 60c. per 100, $5.00 per 1000.
HYACINTHS, Roman White, 12 to 15 centimeters,, $1.75 per 100, $15.00 per 1000.
SPIRAEA, large forcing clumps, **Gladstone,** $9.00 per 100; **Queen Alexandra,** $12.00 per 100; **Florabunda,** $4.50 per 100; **Superba,** $6.00 per 100; **Blandin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** at $4.00 per 100.

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New Chrysanthemum, Golden Gem

The new Chrysanthemum, Golden Gem, depicted herewith, origonated by the E. G. Hill Co., Richmond, Ind., was awarded the sweepstakes at the recent Indianapolis show and scored 89 points, commercial scale, before the Chicago C. S. A. committee two weeks ago. It is an ideal sort for market cutting, round as a ball, full, with good stem and foliage, a very easy doer and bright golden yellow in color; it is about 3 to 3½ ft. high.

Exhibition of the Hort. Society of New York

In our last issue, on account of going to press, we were able only briefly to refer to the Fall exhibition of the Horticultural Society of New York, which opened at the Museum of Natural History, 77th st. and Columbus ave., New York, on Wednesday evening, November 9, and continued up to and including Sunday, November 13. It opened with a private view on the Wednesday evening, for members of the Society, of the Museum, and of affiliated organizations; about 1000 people were present. The attendance throughout the show was large, four or five thousands on some days, while on Sunday afternoon it reached nearly 6000. The Society's exhibitions are entirely free, no charge being made for admission, so the funds required for giving them must be derived from its membership. The exhibition was much larger than expected, in view of the strike of express drivers which prevented those at a distance from sending in their exhibits. This was noticeable mainly among the larger specimen plants. The interest displayed in the success of the exhibition, however, was very gratifying, for members sent in exhibits by automobiles or any other conveyances accessible, many bringing in large boxes by hand. Even with this handicap the exhibition was a large and attractive one.

The judges were: Robert Stobo, C. H. Totty, Alex. Mackenzie, William Reid, I. L. Powell, Robert Angus.

In addition to the exhibits mentioned last week, there are many others which should receive more than passing notice. In the Carnation classes, particularly noticeable was a new scarlet seedling, known as No. 66, exhibited by the Cottage Gardens Co. This seedling is a scarlet somewhat similar to the variety Robert Craig, but is a larger flower and slightly darker in color. From the way it stood up in the exhibition it should be heard from later. Another Carnation in the Cottage Gardens exhibit which attracted considerable attention was Virginia, a sport from the noted Mrs. C. W. Ward. It was a pure white running to a flush of pink at the center with just the faintest suspicion of pink slashings on the outer petals. The flowers were of good size and carried on stout stems. Another Cottage Garden seedling was No. 513, of a color somewhat on the order of Mrs. Thomas Harvey, and otherwise not materially different; in color it is a beautiful cerise pink. A decided novelty from Cottage Gardens was a new dark pink variety named Howard Gould, which was awarded the diploma for the best new variety not in commerce.

F. R. Pierson Co., Tarrytown, N. Y., staged a magnificent specimen of Nephrolepis Piersoni elegantissima, in a fourteen inch pan, for which they obtained a first prize. This company also made a good showing with a group of Nephrolepis elegantissima compacta in different sizes up to seven inch pots, and also with a collection of Nephrolepis Bostoniensis and its varieties.

A group of Euonymous Japonicus variegatus by Bobbink & Atkins, Rutherford, N. J., was very fine and brought the firm a first. They also showed a splendid collection of conifers, embracing 100 varieties, and two splendid specimen plants of Phœnix Roebelenii, both of which exhibits gained firsts.

Julius Roehrs Co., Rutherford, N. J., staged a group, not for competition, of the new Celosia, Pride of Castle Gould.

A most excellent group of Crotons, not for competition, was staged by Mrs. Harold I. Pratt, Brooklyn, N. Y., A. J. Manda, gdr., and rceeived a special silver medal from the Society. The same exhibitor also wou a first for the best collection of Crotons and another for the best Staghorn Fern.

One of the most conspicuous exhibits in the show was a vase of Nerine Fothergilli major, shown, with Asparagus plumosus, by Mrs. F. A. Constable, Mamaroneck, N. Y., James Stewart, gdr. The very bright scarlet flowers of this variety, and their adaptability for table or display work, appealed greatly to the many florists visiting the section in which they were staged. The exhibit was awarded a bronze medal.

In the Chrysanthemum section, C. H. Totty, Madison, N. J., secured special mention for a collection of Hardy Pompons and Singles, varieties all named. Richard Vincent, Jr., & Sons Co., White Marsh, Md., gained a similar award for an excellent collection of Hardy Chrysanthemums. Scott Bros., Elmsford, N. Y., staged a very creditable collection of Single 'Mums for which they also were given special mention. Thomas Meehan & Son, Germantown, Philadelphia, Pa., figured in the Chrysanthemum classes with a fine collection of Hardy 'Mums not for competition.

In the Orchid section, Lager & Hurrell of Summit, N. J., were the leading winners. One of their exhibits was a collection of Cypripediums, cut blooms, not less than 12 species or hybrids, or either, which was awarded the only prize in the class; the blooms were all shown in vases with Asparagus Sprengeri. The firm also secured a diploma and prize for the best collection of Orchids, not less than 25 species and varieties, making a magnificent display which included Cattleya labiata alba; Miltonia Phalænopsis; Miltonia vexillaria; Cattleya Dowiana; Platyclinus Autumnalis; Oncidium Forbesii; Cypripedium insigne Lageræ, a variety with no spots, all brown markings; Dendrobiums; choice Cypripediums, including several yellow blooms, all rare varieties; and rare varieties of Oncidiums. They also carried off firsts for the best hybrid Orchid; the best Cattleya plant; the best Cypripedium plant in bloom, staging the variety Harefield Hall; and the S. A. F. silver medal for the best new Orchid with Cypripedium insigne, variety Hurrellianum.

The following is a complete list of the awards:

CHRYSANTHEMUMS

Plants

Specimen bush, yellow—1, Samuel Untermyer, Yonkers, N. Y., A. Herrington, Supt.
Specimen bush, white—E. H. Weatherbee, Mamaroneck, N. Y., Francis Milne, gdr.
Specimen bush, pink—Adolph Lewisohn, Arôsley, N. Y., John Canning, gdr.
Specimen bush, any other color—Samuel Untermyer.
Largest and best specimen bush, any color—Samuel Untermyer.
Specimen standard, pink—Chas. Hathaway, East Orange, N. J., Max Schneider, gdr.
Specimen standard, any other color—F. V. Burton, Newburgh, N. Y., Wm. Cordes, gdr.
Specimen Anemone—F. V. Burton.
Finest and best plant exhibited—Adolph Lewisohn, with Annie Laurie.

Cut Blooms

25 Blooms, any other color—Miss B. Potter, Ossining, N. Y., George Wittlinger, gdr.
12 Blooms Mrs. Jerome Jones—M. F. Plant, Groton, Conn., Thos. W. Head, supt.
Vase of 50 blooms, arranged for effect—Traendly & Schenck, Rowayton, Conn.
25 Varieties, distinct, stems not over 12 inches long—1, Mrs. F. A. Constable, Mamaroneck, N. Y., Jas. Stuart, gdr.; 2, M. F. Plant.
Display of hardy Pompons, 25 vars.—1, Chas. Mallory, Port Chester, N. Y., Wm. J. Sealey, gdr.; 2, E. H. Weatherbee.
Collection of Singles and Anemones, or either, 25 varieties—1, Mrs. F. A. Constable; 2, J. T. Pratt, Glen Cove N. Y., J. W. Everits, gdr.
12 Blooms, white—1, Miss Georgina Iselin, New Rochelle, N. Y., Ewen Mackenzie, gdr.; 2, Miss M. T. Cockcroft Saugatuck, Conn., Adam Paterson, gdr.
12 Blooms, yellow—1, Miss M. T. Cockcroft; 2, Miss B. Potter.
12 Blooms, any other color—E. H. Weatherbee.
Vase of 25 blooms, arranged for effect—H. M. Tilford, Tuxedo Park, N. Y.
12 Vars., distinct, stems not over 12 ins. long—1, Miss Georgina Iselin; 2, Adolph Lewisohn.
Display of hardy Pompons, 12 varieties—1, Chas. Mallory; 2, Fred Sturges, Fairfield, Conn., Thos. Bell, gdr.
Collection of Singles and Anemones, or either, 12 vars.—1, J. T. Pratt; 2, Osborn Estate, Garrison, N. Y., Wm. Inglis, gdr.

Roses

100 American Beauty—F. R. Pierson Co. Tarrytown, N. Y.
100 White Killarney—F. R. Pierson Co.
12 American Beauty—Samuel Untermyer.
25 My Maryland—H. M. Tilford.

Carnations

100 White—1, Traendly & Schenck; 2, Chas. Weber, Lynbrook, N. Y.
100 Enchantress shade—1, Traendly & Schenck; 2, Chas. Weber.
100 Scarlet—Traendly & Schenck.
100 Lawson shade—Traendly & Schenck.
Collection of Carnations, not less than 25 of a kind—1, Cottage Gardens Co., Queens, N. Y.; 2, Traendly & Schenck.
Best new var. not in commerce—Cottage Gardens Co. with Howard Gould.
Finest vase of 100 blooms—Traendly & Schenck, sweepstakes.
25 White—1, John J. Riker, Port Chester, N. Y., Thos. W. Stobo, gdr.; 2, Emerson MacMillin, Ramsey, N. J., Francis X. Golly, gdr.
25 Winsor shade—Fred. Sturges.
25 Scarlet—1, Fred'k Potter, Ossining, N. Y., Wm. C. Roberts, gdr.; 2, F. R. Newbold, Poughkeepsie, N. Y., F. W. Saenger, gdr.
25 Enchantress shade—1, John J. Riker; 2, F. R Newbold.
25 Crimson shade—Fred'k Sturges.
25 Lawson shade—1, Fred'k Sturges; 2, H. M. Tilford.
25 White ground, variegated—F. R. Newbold.

Foliage and Decorative Plants

Stove and greenhouse plants, 100 sq. ft.—Samuel Untermyer.
Collection of conifers, not less than 25 vars.—Bobbink & Atkins, Rutherford, N. J.
Best exhibit of Bay trees—Bobbink & Atkins.
Display of Ficus pandurata—Bobbink & Atkins.
Specimen Staghorn Fern—Mrs. Harold Irving Pratt, Brooklyn, N. Y. City, A. J. Manda, gdr.
Collection 3 Nepenthes—Mrs. Pratt.
Collection of Marantas—Mrs. Pratt.
Specimen plant of Begonia Gloire de Lorraine—1, Adolph Lewisohn; 2, S. M. & A. Colgate, Orange, N. J., Wm. Reid, gdr.
Specimen of Livistona Chinensis—Mrs. Pratt.
Specimen of Phœnix—1, Mrs. Pratt; 2, Bobbink & Atkins.
Specimen of Howea Forsteriana—Mrs. J. Hood Wright, New York City, Chas. A. Webber, gdr.
Specimen of Cycas circinalis—Mrs. Pratt.
Specimen of Polypodium aureum—Bobbink & Atkins.
Specimen of Davallia—1, Mrs. Pratt; 2, Mrs. J. Hood Wright.
Specimen of Nephrolepis exaltata Bostoniensis—1, F. R. Pierson Co.; 2, Mrs. J. Hood Wright.
Specimen Nephrolepis elegantissima—F. R. Pierson Company.
Display of Nephrolepis exaltata and its vars.—F. R. Pierson Co.
Collection of Crotons, 6 vars., 1 plant of each—1, Mrs. Pratt; 2, Samuel Untermyer.

Fruits and Vegetables

Pineapple plant in fruit—1, Samuel Untermyer; 2, Mrs. Pratt.
Specimen Lemon tree in fruit—F. R. Pierson Co.
Collection of 18 different vegetables—Miss B. Potter.

New Plants

For any sufficiently meritorious new plant, not yet in commerce—F. R. Newbold for a Chrysanthemum.

Orchids

Collection, not less than 25—Lager & Hurrell, Summit, N. J.
Novelty not before exhibited before the Society—Lager & Hurrell.
Three Hybrid Orchids—1, Clement Moore, Hackensack, N. J., Jas. P. Dye, gdr.; 2, Lager & Hurrell.
One Hybrid Orchid—Lager & Hurrell.
Collection of cut blooms—1, Jos. A. Manda, West Orange, N. J.; 2, Lager & Hurrell.
Collection of Cypripediums, cut blooms—Lager & Hurrell.
Best Oncidium plant in bloom—Lager & Hurrell.
Best Vanda cœrulea plant in bloom—Lager & Hurrell.
Best Cypripedium plant in bloom—Lager & Hurrell.
Best Dendrobium plant in bloom—1, Jos. A. Manda; 2, Lager & Hurrell.
Two Orchid plants in bloom, showing highest excellence of cultivation—1, F. V. Burton; 2, Lager & Hurrell.
Best spray of Cattleya—1, Jos. A. Manda; 2, Lager & Hurrell.
Best spray of Oncidium—1, Wm. Ziegler Estate, A. Bieschke, gdr.; 2, Lager & Hurrell.
Best spray of Vanda—Lager & Hurrell.
Best spray of Dendrobium—Lager & Hurrell.
Best spray any other Orchid—Jos. A. Manda.
6 Orchid plants, 6 vars., in bloom—F. V. Burton.
3 Plants of Cattleya labiata, in bloom—F. V. Burton.
3 Orchid plants, 3 vars., in bloom—Osborn Estate.
For best plant exhibited, in either class—F. V. Burton; sweepstakes.

Special Prizes

4 Vases of Sweet Peas—George T. Schuneman, Baldwin, N. Y., special mention.
Collection of Nephrolepis Giatrasii—George Giatras, West Hoboken, N. J.
Collection Hardy Pompon Chrysanthemums—R. Vincent, Jr., & Sons Co., White Marsh, Md., special mention.
Nerine Fothergilli major—Mrs. F. A. Constable, bronze medal.
Collection Hardy Pompon and Single Chrysanthemums—C. H. Totty, special mention.
Cosmos Klondike—Samuel Untermyer, certificate of merit.
Collection of Crotons—Mrs. Pratt, silver medal.
Group of Celosia Pride of Castle Gould—J. Roehrs Co., Rutherford, N. J., special mention.
Group of Euonymus Japonicus variegatus—Bobbink & Atkins.
Miscellaneous collection of Chrysanthemums—Scott Bros., Elmsford, N. Y., special mention.
Pair of Phœnix Roebelenii—Wm. Ziegler Estate, silver medal.
Vase of Chrysanthemum Lillian Doty—Wm. Ziegler Estate.
Collection of seedling Single Chrysanthemums—W. P. Clyde, New Hamburg, N. Y., H. J. Osterhout, gdr., certificate.

S. A. F. & O. H. Medals

Lager & Hurrell, for Cypripedium insigne Hurrellianum, silver medal.
F. R. Pierson Co., for Nephrolepis viridissima, silver medal.
F. R. Pierson Co., for a new form of Nephrolepis superbissima, silver medal.

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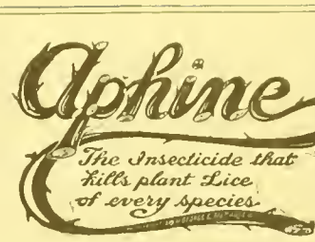

"The Aphine has been severely tested, having passed expectations. Used it upon mealy bug, scale, fly and spider without injury to the foliage whatsoever. For red spider used it one part to 15 parts water with the best possible results. I consider Aphine is far ahead of any insecticides I have used in England, having had good experience with same there."

"The above is the report of my greenhouse foreman, and from my own observations the results are eminently satisfactory in every respect. You have at last put on the market an insecticide that does all claimed for it and more."

(Signed) JOSEPH ROBINSON,
Supt. to Colgate Hoyt, Oyster Bay, L. I.

$2.50 per gallon—$1.00 per quart

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Pacific Coast Distributing Agents
MacRORIE-McLAREN COMPANY
Westbank Building, San Francisco, California
Please mention the Exchange when writing.

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A Standard Water Supply System

The Standard Pump and Engine Co. of Cleveland, O., have issued a pamphlet in which they illustrate and explain their approved machinery for furnishing a fully satisfactory supply of water to the greenhouse by means of their Standard pumping engine, a complete system in itself, as it it takes the water from the source of supply and delivers it directly into the pipe lines at high pressure, without the use of storage tanks of any kind. Attention is also called to the principle of the pneumatic tank water supply system now rapidly superseding the elevated storage tank, and which they can supply. Readers interested are advised to apply for this pamphlet and their larger catalog, both of which will be mailed free on application.

Wedding Bells at Chicago

Clara Frances Martin, only daughter of Margaret Thorpe Flint, and granddaughter of the late John Thorpe, was married, Monday, November 14, to G. Wilford Embleton, of Woodstock, New Brunswick, Canada, at the M. E. Church, 14th st. and Wabash ave. Mr. and Mrs. Embleton will reside at 3613 Wabash ave., Chicago. The bride, to whom and her husband we wish all happiness, is the daughter of our esteemed Chicago correspondent.

Seedling Carnation Received

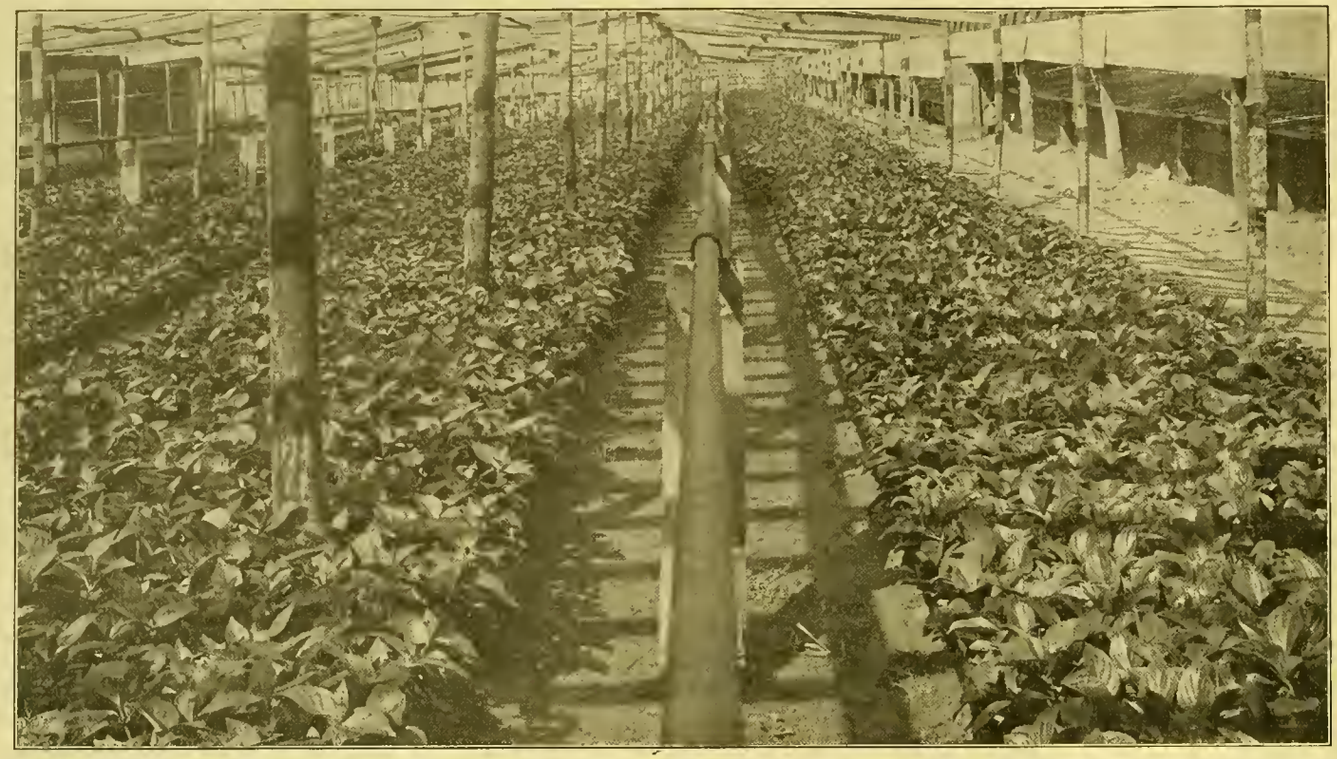
We are in receipt of two blooms of a seedling Carnation, now in its second year, resulting from Enchautress × Louise, sent us by Charles H. Proctor, Riverdale, N. J. The blooms arrived in excellent condition. They are in color snow white, of the non-fringed type, with petals of good substance, a full center, and measure 3 in. diameter. Considerable fragrance also remained after their journey. Judging from the blooms only, this appears to be a fairly promising seedling.

—The English papers recount that the duke of Marlborough, visiting an English horticulturist's garden, noticed a lady admire a certain Rose, which he gallantly picked, removed its thorns and presented. His surprise when presented with a bill for $750, the grower claiming it as the result of 10 years' of persistent labor, may be imagined; also his chagrin at being obliged to pay; and his reflection that "it is better to leave the misses to their mothers, the Roses to their bushes" was quite natural.—*Moniteur d' Horticulture.*

Publications Received

From the Parking Commission of New Orleans.—Illustrated pamphlet showing recent improvements by the Parking Commission in that city, together with annual statement of president, etc.

—I wish you continued success in the splendid work you are doing for the good of the trade and horticulture in general. —*Chas. L. Seybold, Carroll Park, Baltimore, Md.*



HYDRANGEA OTAKSA —A fine lot in six-inch pots, grown outdoors, ready for delivery now. 25,000 plants in the lot shown above—the *identical* plants offered for sale below:

With 4 branches, $15.00 the hundred.
With 5 and 6 branches, $20.00 the hundred.
With 7 to 10 branches, $25.00 the hundred.

PROFITABLE PLANTS FOR EASTER AND DECORATION DAY..

Jackson & Perkins Company, Wholesale Florists Newark, New York

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

A Suggestion

A Suggestion Presented as of Interest to the Small Retail Grower

The time has arrived when some of the seed houses find themselves with more or less of a surplus of bulbs, and while the average florist has all of his Tulips, Narcissi and Hyacinths, which he intends to force this Winter, planted long ago, some of the bulbs which are from this time on being offered are advertised at such attractive prices that it should be a paying proposition to many of us to invest a few dollars in them. There are two periods, in particular, for which flowers of Tulips and Narcissi can be made use of to great advantage; one is Easter and the other is late in Spring, or between Easter and the time bulbous flowers bloom in the open. For these periods you can either plant in flats, as you would with the bulbs intended for forcing indoors, or plant in a frame, where sash can be used to get them into bloom when desired, or, on the other hand, through shade frames, their blooming may be prolonged. Some of the double Tulips, including Murillo, Couronne D'or, Alba maxima, Rex rubrorum, and Tournesol are among the finest and best when grown under such conditions; and when the bulbs can be bought below $15 per 1,000, you do not run any chances. Double tulips are also of great value for Easter, and, as they require a longer period to develop than the single, the later Easter comes the more perfect will their flowers be. In Narcissi, Orange and Silver Phœnix, Victoria, Golden Spur, Emperor, Empress, Mrs. Langtry and the double Von Sions are always in demand during the Spring months. Why not plant a good batch outdoors? With the small grower, the one who has to throw out his Carnations, or part of them, toward April, in order to make room for the bedding stock, there is a shortage of flowers on the place up to the time when outdoor flowers begin to appear; for him, especially, it pays to pick up a few thousand bulbs to supply him with flowers in the Spring, not alone the double Tulips but the single ones also. Think it over!

Chrysanthemums

The Old "Ivory" Still as Good as Any We Grow.

It is wonderful to notice the names of all the varieties of Chrysanthemums shown, at even a small flower show, but what is by far more wonderful is to see a few of the old timers, which have held their own against the thousands of others which have appeared in the last 20 years to take their places. And where is there a variety which gives one a higher percentage of good, salable flowers, such perfect flowers, whether grown on single stems or bush form, which is a better keeper or is more easily grown than Ivory? You can't name one. Here and there one pops up, heralded as an improvement on Ivory in one way or another, but there never seems to be quite enough good points about any of them to replace it. There are other sorts besides Ivory which are grand flowers, but I doubt whether there are any which can boast of so many good points. It is not my intention in any way to try to belittle any of the new sorts, for there are among them some most promising ones, all worthy of a fair trial; but the smaller grower, in particular, should not on that account discard a bread-and-butter variety such as Ivory. I don't care how large or small a place may be, a good stock of well-grown Ivory will bring in as many dollars as most of the others, and now that we have a good yellow one added to the white and pink available, the Ivory family is as important, or nearly so, to many of us, as the Enchantress among the Carnations. This is saying a good deal. Now is the time when many growers purchase stock plants of sorts of which they are short, and if you should be short on any of the three varieties of Ivory, don't hesitates to get busy. The one secret about Ivory, in order to get a long stem and a large flower, is to propagate early, and you can only do this when the stock plants are on hand.

The Carnations

Use Care in Applying Fertilizer

When it comes to feeding the stock, the good grower will exercise the greatest care, for nothing is easier than to do more harm than good in applying either stable manure or fertilizer of some other nature to plants which are not in need of it. When you have, for instance, a bench of plants which look sickly or show a spindly growth, such conditions may, of course, be due to a lack of food; but it is far more likely that the trouble lies deeper, and never would I try to overcome a spindly growth or improve sickly plants by feeding them. Never! What such stock wants, most likely, is a lower temperature, more sun, less water, a thorough draining and proper cultivation of the soil; only such treatment could result in a change for the better, that is, if the soil in the benches isn't too sour. By giving such stock additional food you would only make matters worse. On the other hand, take plants which have been housed since July last, have made a good growth ever since, have furnished flowers for the last ten weeks and are in tip-top shape now in every respect—it seems reasonable that such plants are benefited now by a dose of bone meal, sheep manure, or well-rotted cow manure, applied as a mulch; or, still better, fresh cow manure applied in liquid form. But don't overdo it. If you use the bone or sheep manure, use just enough to cover the soil thinly, and work it in by hand, or with a small cultivator. A mulch should not be any heavier than one inch in thickness, and should be put on after the soil has been cultivated. Don't wait for a certain date, because that was the day you fed the stock last year, or the year before, for the first time; you can't go by that, conditions differ every year. We may have and observe certain dates for sowing out seeds, but with Carnations so many things are to be taken into consideration, that it should not be a certain date which makes us apply the extra food to the plants; rather apply it whenever it seems reasonable to do so. There are no set rules to go by; that fact alone should make us go slowly and think twice before acting.

Geraniums

Care of Young Stock Intended for Next Spring

It would be wrong to lose any time in giving the little Geraniums the proper bench room as quickly as possible after the Chrysanthemums are gone. Some of us have the rooted cuttings, in flats, out in the coldframes, on shelves, or still in the propagating bench. It matters little where they have been up to this time, if they only get the proper attention from now on. Geraniums, like any other plant we grow, require proper attention if expected to pay for themselves. Only too often they are overlooked because it is taken for granted that they are but a common plant, and anyone can grow them. Nothing is more ridiculous than this! A good Geranium grower is usually a good, all-round gardener, who will give a good account of himself, no matter what you give him to grow. It is not always so with the Carnation or Rose specialist. What the young stock now needs is to be potted up into 2½'s in a good, stiff loam; pot firmly, and use a sunny bench for the plants, for only here can a healthy growth develop. If you are making use of Chrysanthemum benches, do not make the mistake of leaving in them all the soil, or even a part of it, perhaps just enough to put the pots on. Coarse sand or ashes are far better. Soil in the bottom of a bench breeds disease and serves as a lodging place for snails and other pests, and does not answer in any way as proper material for drainage for the little pots. This is most important, especially if you make use of a heavy or stiff soil. Clean out all of the old soil and whitewash the benches lightly, you will gain by it in the end. The stock which has been rooted in 2's, if pot bound, should have a shift, in that way a good crop of cuttings can be expected when you are all through with the holiday rush.

Azaleas

Care of the New Stock and Stock Intended for Christmas

To recommend the dipping of the roots of the imported Azaleas, whenever found in a dry state, is not enough, for a few minutes' time in the water is not sufficient to penetrate into the root mat of an Azalea. Usually the plants arrive in a fairly moist condition, but whenever this is not the case and the roots are found to be quite dry, either a good soaking in water for several hours should be given them, or, what is as well, they should be potted up at once, put into a deep, coldframe and watered three times a day for several days in succession. If at all in doubt as to whether the roots had all the water necessary, take a plant out, cut into the roots and find out the state they are in. The importance of the Azalea roots being at all times in a moist state is not enough appreciated; more leafless plants are due to this deficiency than any other cause. It is also important, after potting up the new arrivals, to properly shade them. These plants have been packed for weeks, and the only light they received entered through the openings on the sides of the cases; to put such plants into full sunlight is wrong. If you have a coldframe which will keep out a few degrees of frost, that is the proper place for the Azaleas, for at least one week.

DREER'S
Special Offer of Boxwood

In spite of the scarcity of Boxwood, of all forms and sizes, we were enabled to secure good quantities at best possible values. The plants are in excellent condition.

Bush Form Boxwood

10 to 12 inches high.....$20.00 per 100.
12 to 14 inches high..... 30.00 "
16 to 18 inches high..... 50.00 "
18 to 20 inches high..... 75.00 "
22 to 24 inches high..... 1.00 each.
26 to 28 inches high..... 2.00 each.
30 to 32 inches high..... 3.00 each.

Ball Shaped Boxwood

14 to 16 inches diameter.....$1.50 each.
18 to 20 inches diameter..... 4.00 each.

Pyramid Shaped Boxwood

3 feet high, 14 inches diameter at base, $2.50 each.
3½ feet high, 16 inches diameter at base, $3.00 each.
4 feet high, 18 inches diameter at base, $4.00 each.
4½ feet high, 20 inches diameter at base, $5.00 each.
5 feet high, 20 to 22 inches diameter at base, $6.00 each.

Standard Boxwood

Stems, 16 to 18 inches high, crowns 12 inches diameter, $2.00 each.
Stems, 20 to 22 inches high, crowns 14 to 15 inches diameter, $3.00 each.
Stems, 20 to 24 inches high, crowns 16 to 18 inches diameter, $4.00 each.
Stems, 20 to 24 inches high, crowns 30 to 32 inches diameter, $10.00 each.

Pyramid Buxus Latifolia

4 to 4½ feet high, 18 to 20 inches in diameter at base, $4.00 each.

For a list of seasonable stock offered by us see our current wholesale list.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

Please mention the Exchange when writing.

Gradually get them used to the light. If you use a greenhouse for the plants, shade the glass. Don't attempt to bring any of the carried over plants into bloom for Chistmas; they won't respond nearly as well in coming into bloom in a high temperature as the freshly imported stock. Select for Christmas blooming plants which are set with well-advanced buds. You will have no trouble in picking them out; the larger the buds the better. Heat and moisture will do the rest. Keep the foliage of the plants moist as well as the roots. A plant of Deutsche Perle, or Simon Mardner, when in full bloom, makes a most desirable Christmas plant. There is always a demand for a limited number of them in every place.

Winter Protection

For Outdoor Roses In General

The Winter of '09-'10 was considered by many as ideal. A heavy snow fell on December 3, throughout the great Middle West, which remained on the ground until the early part of March. In many places the covering was thick enough to keep the ground free from frost. We left some Enchantress Carnations in the field, and these plants over Wintered nicely; and yet there were more Roses Winter killed, as well as Clematis and evergreens, than in all of ten years previous. It seems that everything above the snow suffered. We had some Crimson Rambler, Lady Gay, Prairie Queen and Dorothy Perkins Roses which had 10 to 15 ft. long canes, killed down to the ground; and this again proved that there is only one thing to do with Roses, and that is to protect them properly. Of what good are any of the Roses mentioned when the canes are killed; even if they do grow again, the flowering wood for the coming year is gone. There are many ways, some more expensive than others, to protect Roses of this kind; but one of the best ways, is the old way—covering the canes with a heavy layer of soil on which is spread a thick layer of leaves or long stable manure. If your customer has his Roses fastened to a trellis, or wire, on his porch, by all means get him to consent to lay the Roses down alongside the base of the porch and cover them. Of course, straw will do, but it isn't to be compared with moist soil around the wood. Do the same thing with the Hybrid Perpetuals. If not convenient to lay them over, bank up with soil around them. Those budded are especially in need of good protection. Another important thing to do is to be sure and have the soil surrounding the roots of the plants in a moist condition. This holds good with the perennials, and shrubs in particular, with the newly-planted stock. In many sections of the country the soil is as dry as powder. Nothing can be worse than such conditions for newly planted stock, including evergreens. A plant with dry roots cannot withstand Winter weather, anywhere, nearly as well as one where the roots are full of activity and life.

CLUBS and SOCIETIES

Nassau County (N. Y.) Hort. Soc.

The regular meeting was held in Pembroke Hall, Glen Cove, Thursday, Nov. 10. One new member was elected and one application received. Mrs. F. B. Pratt was elected honorary member.

Messrs. Barton, Marshall and Westley acted as judges, with the following decisions: Society's prizes for 'Mums: Best 12 white, J. McDonald. Best 12 pink, S. J. Trepess, G. Cove. Best 12 yellow, S. J. Trepess, G. Cove. Cultural certificate was awarded to J. McDonald for a grand vase of mixed Chrysanthemums; to Fr. Petroccia for new rose Celery, also honorable mention for Celeriac.

The winner of the J. H. Troy cup had it passed around filled with Moet & Chandon's best, supplying all with cigars as well; everybody was happy.

The next meeting will be held at 2 p. m., and prizes will be for best 100 Violets, best 12 Sweet Peas, and best three cut Poinsettias.

OSCAR E. ADDOR, Cor. Sec'y.

New Jersey Floricultural Society

The New Jersey Floricultural Society held its regular meeting on Friday evening, Nov. 11, in Lindsley Hall, 240 Main st., Orange, N. J. There was a fine display of Roses, Carnations and Chrysanthemums, and the quality of the exhibits was excellent. The reports covering the Chrysanthemum show were approved as read. Eugene von Tombacht was nominated for membership in the society. Nomination and election of officers will take place at the next meeting. William Reid, gdr. for S. M. and A. Colgate, will read an essay on the care of Apple trees, at the December meeting. The following are the points awards of the judges: A. B. Jenkins, gdr. Albert F. Larson, Roses, 95; Thos A. Edison, gdr. Frank Drews, Roses, 93; S. M. and A. Colgate, Roses, 90; William Reid, Carnations, 95; Max Schneider, Carnations, 75; Lager & Hurrell, Collection of Orchids, 85; Wm. Reid, Chrysanthemum plant, 98; Wm. Reid, Dracaena Lindeni, 90; Frank Drew, vase of Roses, certificate of merit; Wm. Reid, seven pots Chrysanthemums, cultural certificate; Fritz Berglund, Chrysanthemums, certificate of merit. The judges were D. Kindsgrah, Edward Persson and James McManus.

WILLIAM REID, Secretary.

Elberon (N. J.) Hort. Society

This society held a meeting, Nov. 7, President Peter Murray in the chair. After the routine business was gone over the winners in the point competition were declared, this being the last meeting for points. A. Bauer won the highest number of points and so gets the Rickards Bros. cup, which must be won two years before it becomes the absolute property of a competitor. C. O. Duncan received the gold medal, Wm. R. Seymour the silver medal, and P. Ewen the bronze. The three medals were donated by A. T. Boddington, the New York seedsman.

ALEX FLEMING, Rec. Sec'y.

G. and F. Club of Baltimore

A regular meeting of the Gardeners and Florists' Club of Baltimore was held in the Club rooms last Monday night, with President George Morrison in the chair. The meeting was fairly well attended. Business of great importance was discussed, the main topic being the S. A. F. convention and the coming horticultural show this month. Plans for the entertainment of members of the S. A. F., who will gather in this city next August, were discussed. Henry Fischer displayed six vases of Chrysanthemum seedlings, three white, one pink, one yellow and one shell pink, and all scored good points. The trade is notified that the Fifth Armory will be opened on Nov. 25 and 26, so that any unperishable goods can be set up, avoiding as much confusion as possible on the Monday following. The tables may be arranged before the opening day, Monday. It is expected that this show will far exceed any yet held by the society in Maryland. Richard Vincent, Jr., will be on hand to see after the welfare of those interested in making the show a success.

J. L. T.

St. Louis Florists' Club

The Florists' Club held a meeting on Thursday afternoon, Nov. 10, and it was the best attended meeting of the year, according to Secretary Beneke. The attendance numbered 73, including visitors, which put the officers in a happy mood. All the officers, from President Connon down, were present. The meeting was called to order early, owing to a lengthy program the trustees had prepared. President Connon opened the meeting, calling for reports from the different committees. The bulletin committee reported that the publication had been enlarged, and the report showed that it is on a paying basis and had taken a good hold on the local trade and surrounding towns. The trustees made known their program in their report. Four new applications were received for the second time, and those elected to membership were T. M. Thost of De Soto, Mo.; F. M. Widmer of Highland, Ill., Hugo Gross of Kirkwood, and Alex. P. Geranious of St. Louis. Otto Sander made application for membership.

A letter was read and filed from President-elect Geo. Asmus of the S. A. F. Treasurer Smith made his monthly report which showed that the Club is in a healthy condition financially. On motion the question box was not opened at this meeting, and the trustees asked for an adjournment, so as to put their program of entertainment into effect. The program consisted of an athletic exhibition by two well-known boxers, which afforded a great deal of amusement; but the real fun came when some of the members put on the gloves. The first bout was between two retailers, Schoenle and Beneke; then two wholesalers, Angermueller and Smith, and then two growers, Pilcher and Vennemann. These short bouts created a great deal of merriment, but no knockout was allowed. H. C. Ostertag acted as referee. The trustees announced that dinner was waiting at the Cambridge Court and, in a body, all proceeded to 7th and Locust sts., where plates were laid for 70. A fine band of music played while the boys were satisfying the inner man. After cigars the trustees announced that Secretary Beneke would act as toastmaster, and he called on each of the visitors and some of the members for a few remarks. After the speechmaking was over the entire party was taken in automobiles to the Coliseum to view the flower show. This ended one of the most pleasant meetings the Club has ever had.

ST. PATRICK.

Coming Exhibitions

Baltimore, Md., Nov. 28 to Dec. 3, 1910.—Maryland State Horticultural Society exhibition, held in the Fifth Regiment Armory. C. P. Close, College Park, Md., Secretary.

FOUNDED IN 1888

FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 6 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Chrysanthemum Society of America

Recent work of the examining committee is announced as follows.

At CHICAGO, Nov. 12.—The following varieties were exhibited by Elmer D. Smith & Co., Adrian, Mich.; Poughkeepsie, white, incurved; 85 points, exhibition scale. Roman Gold, yellow incurved; 87 points, commercial scale. No. 342-2, light pink incurved; 86 points, commercial scale. No. 130-22, pink incurved; 89 points, commercial scale. No. 512-7, pink incurved; 87 points, commercial scale.

At CINCINNATI, Nov. 5.—By the same firm: Roman Gold, yellow incurved; 88 points, commercial scale; 87 points, exhibition scale.

At CINCINNATI, Nov. 12.—Gerald Haschke, crimson overlaid dark maroon, reflexed Japanese; 80 points, commercial scale. Exhibited by Mrs. B. Haschke, Dayton, O.

At CINCINNATI, Nov. 5.—Hoosier Maid, white Japanese incurved; 82 points, commercial scale. Exhibited by H. W. Rieman, Indianapolis, Ind.

At NEW YORK, Nov. 9.—Driftwood, light yellow Japanese; 85 points, exhibition scale. Exhibited by Thos. Atchinson, Mamaroneck, N. Y.

CHAS. W. JOHNSON, Sec'y.

To Our Readers

We beg to remind our friends and subscribers that our constant endeavor is to record in The Florists' Exchange all matters of trade interest, and we shall be much obliged if they will co-operate with us in this aim by giving us early intimation of all changes in firms, deaths, legal cases affecting the trade, local matters likely to prove interesting to others, also information as to crops and novelties in flowers, seed and nursery subjects.

Photographs that are clean-cut, sharp and illustrate subjects of general trade interest (and these are innumerable) are always heartily welcomed.

If newspapers are sent, will our correspondents kindly mark the paragraphs to which they wish to draw our attention; and if cuttings from same, indicate the periodical from which derived.

We always welcome really reliable cultural notes, if new, or concerning novelties likely to prove valuable from a commercial point of view, and shall be pleased to pay for same, if desired; it will, however, be readily understood that ordinary cultural details respecting commonplace subjects are out of place in a newspaper for experts.

Our own knowledge and experience are always at the service of our subscribers, either through our columns or privately, and we will make every endeavor to answer all leading and important questions through a reliable authority.

We do not allow our advertising columns to dominate or influence our editorial remarks.

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

National Flower Show

Boston, Spring 1911

Floor space at the Mechanics Building, Boston, in which is to be held the National Flower Show next Spring, is being rapidly taken and everything is getting along nicely.

Some little disappointment has been expressed over the fact that the schedule for the show has not yet been sent out. This feeling, however, should not exist, for the preliminary schedule of prizes covering everything for which early preparation was necessary was made public last February, and appeared in the issue of The Florists' Exchange of Feb. 12. This schedule, it is understood, will be rigidly adhered to, and will form part of the official schedule which will be issued, Mr. Pierson says, in December. The preliminary schedule contains practically everything but the cut flower section, for which really no preparation is necessary, for if the exhibitors have not the stock benched now they will certainly be unable to exhibit. All the cut flower exhibitors have to do is to see that the varieties from which they expect to make exhibits are on crop at show time.

A meeting of the committee having the schedule in charge will be held as soon as the present Fall show period is over. There would hardly be anything gained by putting out the official schedule this early, as undoubtedly many of the recipients of copies would lay them aside, and when needed there might be difficulty in obtaining additional copies.

Improved Prospects for Introduction of Parcels Post

Subscribers will please note that the Democratic Party will shortly have in their hands the election of one senator each for the States of New York and Massachusetts. The Democratic platform in both these States heartily endorsed Parcels Post. It will be the duty of the florists, seedsmen and others in these two States to use every endeavor to see to it that the senator obtaining the nomination declares himself in favor of Parcels Post.

On Tuesday, Nov. 29, at 2 p.m., there will be held a meeting of business men at the rooms of the Merchants' Association of New York at Lispenard and Lafayette sts., that city, to discuss the Parcels Post question. Mayor Gaynor of New York has promised to be present to address the meeting if his voice permits.

At Atlantic City, Nov. 23, the National Grange, Patrons of Husbandry, in convention assembled, representing a half million farmers, expressed themselves strongly in favor of Parcels Post, and a declaration to that effect was a feature of the annual address delivered that day by the Worthy Master, N. J. Bachelder, formerly governor of New Hampshire.

Legislation culminating in the adoption of Parcels Post for the United States would be of the greatest advantage to the interests we represent; it is only necessary to observe a few of the charges made by the express companies for the delivery of small packages of seeds or plants to become satisfied on this point. It therefore behooves our readers to work energetically for the adoption of this much desired legislation.

New York Florists' Club

A regular meeting of the New York Florists' Club was held at the Club's rooms in the Grand Opera House Building, 23d st. and Eighth ave., on Monday evening, Nov. 14, with President A. L. Miller in the chair, and an attendance approaching 200. Again the occasion was "Ladies' Night," and the fair sex was well represented. The business of the evening was expedited as much as possible in order that the program of entertainment might commence early.

The committee on nominations for officers for the ensuing year presented the following names: For president, Jos. A. Manda and John B. Nugent, Jr.; for vice-president, H. A. Bunyard and J. H. Fiesser; for secretary, John Young and J. H. Pepper; for treasurer, Wm. C. Rickards, Jr., and A. R. Kennedy; for trustees, F. H. Traendly, C. H. Totty, I. S. Hendrickson, Chas. Weber, Henry Weissman and J. A. Rassbach. Election will take place at the next meeting.

H. A. Bunyard, for the outing committee, in reporting on the annual outing held last June, stated that owing to the weather conditions prevailing early on the day of the outing there was a deficiency of about $96 in the amount required for expenses. On motion the report was laid over until next meeting.

W. J. Stewart, for the committee having in charge the preparation of a memorial on the death of the late Lyman B. Craw, presented a resolution which was unanimously passed, and a copy of it ordered to be sent to the family of the deceased.

Election of new members resulted in the following additions to the membership list: Charles Shuster, Brooklyn; Maurice Kleinman, New York City; Olaf Blomberg and James Fenn, Cranford, N. J.; Wm. H. Phillips, Brooklyn; John Graff, Queens, N. Y.; W. J. Moore, Percy B. Rigby, M. C. Ford and Wm. Taat, New York City.

As candidates for membership the names of F. H. Wilshire, Brooklyn, and J. S. Sliman, New York, were presented. The resignations of Hy. L. Jones of Chicago and L. W. C. Tuthill, New York, were accepted with regret.

S. S. Pennock of Philadelphia staged for Robt. Scott & Son, Sharon Hill, Pa., vases of their new Roses, Melody and Double Killarney.

Business ended, Pres. Miller introduced John T. Withers of Jersey City, a member of the Club, who gave a most interesting lecture on his recent trip around the world. The lecture was illustrated by stereopticon slides and was much enjoyed. Starting with views of Yellowstone Park in this country, he took his audience through Hawaii, Japan, China, Straits Settlement, Burmah, India, Egypt, Italy, Monte Carlo and Switzerland. He projected a slide showing himself in company with Mr. Iida, of the firm of Suzuki & Iida, now the Yokohama Nursery Co., a gentleman well known to many of the Club members, and expressed himself as greatly pleased with the many courtesies extended to him by Mr. Iida while in Japan. At the conclusion of the lecture a hearty vote of thanks was passed to the lecturer.

Chairman J. B. Nugent of the house committee followed the lecture with a choice program of vocal and instrumental music by an excellent orchestra; and during a recess, refreshments were served in the Club's usual good style and under conditions most enjoyable. The entertainment was so liberal that most of the guests were compelled to rush for midnight trains before the program was completed.

Gardeners and Florists' Club of Boston

The regular monthly meeting of the G. and F. Club took place on Tuesday evening, Nov. 15, at Horticultural Hall. There was a large gathering, the principal attraction being the nomination of officers for 1911. The following gentlemen were nominated: Peter Miller for president, Thomas Peglar for vice-president, Wm. N. Craig as secretary, Peter Fisher for treasurer.

For the executive committee: Arthur E. Thatcher, John P. Guerineau, John Flood and Albert Batley.

The lecturer of the evening was Michael W. Barrett of Hyde Park, whose subject was "Bees and Their Relation to Flowers."

After a short recess Andrew Christensen of Woburn gave a most interesting talk on his travels in Europe last Summer, which was much appreciated by those present.

Major Burton, an English gentleman who is visiting this country, gave a short talk. He said that the flowers he had seen in our shops were equal to any in England with the exception of Lily of the Valley, which he thought was very poor; he is a large grower of this product himself. He was much impressed with what he saw in Boston and the hospitality shown him.

At the next meeting of the Club ex-President Downs will give a talk on his experiences in England last Summer.

There was quite a number of exhibits on the tables and the following awards were made:

Vitis Henreyana from R. & J. Farquhar & Co., one of Wilson's introductions. Vote of thanks.

Two vases of Chrysanthemums from Duncan Finlayson. Honorable mention.

Collection seedling Chrysanthemums from Ootto Strassenburg. Vote of thanks.

Carnation Gorgeous, from Peter Fisher. This is of a bright cerise color and is a splendid flower in every way. The judges recommended that a committee be appointed to see it growing.

Vase of Mignonette, Patten's Eclipse, from Thomas J. Gray Co. Honorable mention.

Azaleas and Mignonette from Wm. W. Edgar Co. Vote of thanks.

Vase of Roses from Eber Holmes. Vote of thanks.

R. C.

Belgian Horticultural Notes

The International Show

There was held on Oct. 29 to Nov. 2, an international horticultural exhibition. It was at first intended to be one of the events in connection with the Grand Exposition of Arts and Industries which has been held at Brussels this year but, owing to the great fire of July, the authorities of that large affair resigned the idea of holding the flower show, so therefore it fell to the Royal Linnean and the floricultural societies to carry it through.

It must be confessed it was not of first merit in point of quality and was of very ordinary dimensions. The Chrysanthemum groups in some cases were awarded prizes, according to the schedule, and the amount thus conveyed was in several instances much greater than the 'Mums were worth as cut flowers in the market. There was no outstanding novelty, and no certificates were awarded.

The orchids, however, made quite a regal display and were excellently shown by Messieurs Cl. Vuylsteke; A. A. Peeters & Sons Laeken, Brussels; Maurice Verdonck, Brussels; Duchesne & Lanthoine, Brussels; Theo. Pauwels & Co., Meirelbeke, Ghent; C. Dietrich, Andergham; Jules Hye de Crom, Ghent; F. L. Claes, Brussels; and Chas. Maron & Sons, Brunoy, France. Stuart Low & Co.,

and Charlesworth & Co., were over from England. Most of these received gold or silver-gilt medals. But the best Orchid exhibit of all was from Monsieur Lambeau, a wealthy Brussels banker, whose exhibit contained many of the most recently introduced hybrids and good varieties, and which won the premier prize of the show.

Fruit was extensively and well exhibited, also beds containing Ericas, Primulas, Lilies of the Valley, Cyclamens, etc., laid out on the floor, with turf all around, as though representing an ordinary parterre in the open ground.

Messrs. Vilmorin-Andrieux & Co., 4 Quai de la Megisserie, Paris, won a large, gold medal for a collection of 600 species and varieties of vegetables. These filled a large space on the ground floor and were artistically set out. There were some notably large Pumpkins in this collection, and of course all sorts of salad vegetables, as well as Beet, Cabbages, Cauliflowers, etc. Of the latter there were immense heads of the Queen of Italy and Queen of Naples varieties, which, though large, were of refined quality.

Mention might also be made of a table of splendid black Grapes laid at regular intervals all over a long table, on a white cloth, and the cloth also adorned with colored vine leaves between the bunches of Grapes. It was a magnificent exhibit, and came from the Horticultural Federation of the Netherlands. Along the center of the table were raised stands, crowned with ornamental baskets which were artistically and luxuriously filled with black Grapes, making the whole display highly pleasing.

A new, handsome large red Apple, named Belle de Boskoop, was shown on another table, and here again art was called in to make the merits or attractiveness of the Apples more noticeable. They were in a pretty basket of white, green and gold, with a tall arched handle which was draped with white ribbons and having the name of the variety printed thereon in gilt letters. It pays to exhibit well! This came from the Vroonen Congress.

Carnations were poor; Roses were not to be seen; and Violets were only found in one exhibit—a bed of them, in wine bottles, the latter plunged in silver sand. One variety of Chrysanthemum ought to be named; it was Calvat's introduction of last year, namely, Mme. Tardip, a large full Japanese variety, with broad petals, and of a soft, taking, creamy white color.

The Gardens at the Brussels Exposition

Gardening at the World's Fair, Brussels, must be said to have been a very important feature there, and added immensely to the general effect. The prettiest part to me was the Dutch garden with its stone benches backed by a line or hedge of Thurjas; its cut shrubs in pots and vases; its mop-headed Acacias and standard Box trees. In the center there was a cupola on Roman columns, which added a distinctive feature of dignity and serenity, and entrance to this garden was obtained through very attractive iron gates. One point should be noted, however, by any one who undertakes a similar garden, and that is to see that the lowest parts of the garden—which in this case formed the paths around the cupola—are properly drained. After heavy rain, the paths here were flooded, as there had been no provision made to run off the surface water.

The German section was merely a flat parterre of Rose beds. It might interest your readers to know what the Germans regard as the best bedding Roses. Here is a list of those that were most liberally planted and which had been successful: Rhea Reid, Mrs. Aaron Ward, Mrs. Cutbush, Lyon Rose, Le Progrès, Mme. Jules Groley, Mrs. Waddell, M. Paul Lédé, Harry Kirk, Frau Karl Druschki, Corallina, George Nabonnand and the polyantha Orleans Rose.

The French and Belgian sections of the large garden (round the circumference of which a tramway was run) were mainly formed of lawns, groups of evergreen shrubs, also Acers, Elms, etc.; bed after bed of closely planted Roses and a few hardy plants; also such bedding subjects as Alternantheras, semperflorens, Begonias, Cineraria maritima and Nicotiana colossea variegata. There must have been thousands of Roses. Ornamentally trained fruit trees were also a special feature.

The "Grand Prix" was awarded for exhibits to the following firms: Vilmorin-Andrieux, Paris; G. Bouchier, 164 avenue d'Italie, Paris; J. B. Guillot & Sons, Montplaisir, Lyons, France; Cayeux & Le Clerc, 8 Quai de la Megisserie, Paris; Ad. Rothberg, Gennevilliers, Seine, France; P. Bernaix Fils, Villeurbanne, Lyons; Nomblet-Brunneau, Bourg-la-Reine, Seine (trained fruit trees); Gemen & Bourg, Luxembourg. Ketten Frères, Luxembourg.

Awards were also made to G. Duval Successors, Leusant, Seine et Oise, France; Aug. Nonin, 20 avenue de Paris, Chapillon-sous-Bagneux, France; Pinquet-Gridon & Sons, à la Tranchée, Tours; Croux & Sons, Chatenay, Seine; Paul Lecolier, La Celle, St. Cloud, Seine et Oise, France; J. Grobier & Sons, 301 Route de Vienne, Lyons; Levavasseur & Sons, Orleans; Lecointe & G. Martin, Louvenciennes, Seine et Oise, France; Ch. Molin, 8 Place Bellecour, Lyons; F. B. Lamesch, Dommeldouze, by Luxembourg; Soupert et Notting, Luxembourg; Jacob Makoy & Co., Liège, Belgium; P. Joiris et Frère, 37 Quai Orban, Liège; P. T. Loopman & Son, Oudenbosch, Holland; Gt. Van Waveren & Kriyff, Sassenheim, Holland; W. Keersen, Jr., & Sons, Aalsmeer, Holland; B. Ruijs, Demensvaart, Holland; J. Jurrassen & Co., Haarden, Holland.

J. HARRISON DICK.

The American Hawthorns

In the Technical Educator and Inventor for October, 1910, appears a valuable contribution on the American Hawthorns by John Dunbar, assistant superintendent of the Rochester parks, who has under his care between 400 and 500 species of Cratægus in the park system of that city. Mr. Dunbar gives us to understand that since 10 to 15 years ago about 900 species of the Cratægus have been described and about 600 of same have been accounted for by Dr. C. S. Sargent, director of the Arnold Arboretum, Harvard University, at which place some 3000 lots of seed have been sown and exceedingly careful records kept of all. In his article Mr. Dunbar refutes Prof. de Vries's views to the effect that species appear suddenly and, conditions being favorable, are stable from the moment they arise.



New Pink Rose "Rose Queen"
Shown by E. G. Hill Co., Richmond, Ind., at the Chicago Flower Show, and Awarded First Prize in the Class for any Variety not in Commerce

Obituary

Anthony Riley

Anthony Riley (colored), who was thirty years in the service of the Mass. Hort. Society, died last week and was buried Thursday, Nov. 10. He was 72 years old. He was one of the most familiar figures around Horticultural Hall and everybody knew Andy. He was born a slave at Fairfax, Va., and came to Boston right after the war.

R. C.

Mrs. Amelia Precht

Mrs. Amelia Precht, one of Baltimore's oldest florists, and who stood in Lexington Market for the past thirty-six years, died suddenly at her late residence on Slingluff ave. at midnight on Monday, November 14. She was a grand old lady, wanted everyone to get along, and if a customer wanted something she did not have she would see the other florists and sell their stock for them. She retired from market about ten weeks ago; her old age began to tell upon her and she was stricken with fainting spells; she had been confined at home until her death, which was due to a complication of diseases incident to old age. The deceased is survived by her husband, Theodore Precht, a well known florist, a son, Charles Precht, and three grandchildren. The funeral was held at her late residence on Wednesday morning, with interment in Western Cemetery, Walbrook. Many of the trade attended the funeral to pay their last respects, and the body was laid away in a bed of flowers.

Louis L. Lorillard

The funeral of Louis L. Lorillard took place from Trinity Church, Newport, R. I., Tuesday, Nov. 15, the Rev. Stanley C. Hughes officiating. It is seldom that such a profusion of flowers is seen as was there, and this notwithstanding "The please omit flowers" notice which appeared in the press. Leikens came on from New York to take charge of the arrangement of the plants and the general decoration at the church with Gibson Bros. as assistants, who also had a rush of work for the occasion. Schultz also had a hand in it, he having some 18 pieces in all; some were large and required an amount of material which was not always easy to secure, Orchids being very short; these could not be had in sufficient quantity.

A loose bunch of white Chrysanthemums with Berberis Thunbergii in its Autumn coloring of bronze showing through, was quite effective, but did not impress one as being the most desirable kind of material to handle. Three wagons were required to convey the flowers from the church to St. Mary's churchyard in Portsmouth, where the burial took place.

All to honor a true gentleman in his passing.

ALEX. MACLELLAN.

Xmas Comes But Once a Year

One of the best advertising opportunities offers itself as Xmas and the New Year draw near as, in addition to the great demand for plants and cut flowers and their accessories and decorative stock, it marks the closing of the year and demonstrates the necessity of preparation for the next. Hence, to dealers in quite a number of lines the time is just right for strong leading announcements.

OUR

CHRISTMAS NUMBER

will be issued

Saturday, December Ten, 1910

AND WILL AFFORD AN UNEXCELLED

Advertising Opportunity

For All Enterprising Business Men

As usual, we will present attractive reading matter to make the occasion worth.

Try a Good, Bold, EXTRA SPACE advertisement in this issue.

As it pays others it certainly should pay you.

Advertisements for Xmas Number should be forwarded us early; Dec. 7 will be the very latest date we can accept copy for this particular number.

How much space shall we reserve for you?

Appreciating your many favors during the past years, we are,

Yours very respectfully,

Pubrs. THE FLORISTS' EXCHANGE

Nos. 2 to 8 Duane St., N. Y. City.



Exhibition Horticultural Society of New York, Nov. 9 to 13, 1910. Hanging Basket of Begonia Gloire de Lorraine

Indianapolis Flower Show

Another creditable flower show has been added to the long list of those held in the Hoosier city. The attendance at Tomlinson Hall, while not as large as at some of the other shows, was quite satisfactory, and the State Florists' Association will be at no loss in the promotion of the same. There might have been a few more vases of the larger Chrysanthemums, but we, seemingly, had our share of them and the quality was exceptional. Among the prominent premium winners in the large classes of 'Mums were The E. G. Hill Co., Elmer D. Smith & Son, Roepke-Rieman Co., Fred. H. Lemon Co., and F. Dorner & Sons.

The hall was appropriately decorated with thousands of yards of Laurel, many cases of wild Smilax and striking groups of foliage plants. The local parks assisted with many of their specimen Palms. The hall was well arranged and laid out with plots of plants and large vases of Roses in advantageous positions. Heller Bros. accepted their usual prize on American Beauty Roses with A. Wiegand & Sons second. John Rieman, superintendent, worked hard, and the results were not in doubt by judging time, as everything in his line worked out smoothly. E. A. Nelson's dinner table arrangement proved a popular one with the public, as the design was a novel and striking one of Bridesmaid Roses and white Chrysanthemums. The Pahud Floral Co. also did well with a table of Cattleyas and Killarney Roses. A. Wiegand & Sons had a well filled table of Orchids and Lily of the Valley, besides a most creditable display of a wedding decoration, and numerous baskets arranged for effect. Hermann Schilling's display of miscellaneous plants was well staged near the center of the hall. The Carnation tables were better filled than those of any of the other classes, and some of the qualities were surprising. Nick Zweifel's new Carnations were well received. Hoosier Lad, as grown by Dorners, is certainly worthy of being generally accepted, in spite of its shortcomings; it is in a class by itself, and is free in producing. The decisions of Judges Witterstaetter, Sonnenschmidt and Lemon were excellent and satisfactory to all.

The banquet and entertainment at the Commercial Club on Thursday evening, was well attended, and resulted in much good for Indiana floriculture in general, as all were enthusiastic in their praises of the exhibits. F. B. Alley presided and called upon the visitors for responses. Fred Lemon thought that a show in Richmond in 1911 would be the proper thing, and invited the Association to hold the exhibition there next year. Among the visitors were the following:

J. D. Carmody, Evansville, the first president of the State Florists' Association, which was organized thirty-five years ago; E. C. Bissell, Muncie; G. R. Gause, Hy. Sheppard, George Fulle, J. A. Evans, F. H. Lemon, Ray Longnecker and Charles Kupf, Richmond; W. W. Coles, Kokomo; R. A. McKeand, Marion; S. Humfeld, Muncie; J. S. Stuart, J. E. Stuart and J. A. E. Haugh, Anderson; F. E. Dorner, Lafayette; R. Witterstaetter, E. G. Gillette and J. A. Peterson, Cincinnati; James Jones, Richmond; William Walker, Louisville, Ky.; M. Heller, P. J. Olinger and Peter Weiland, Newcastle; Jacob Schulz, George Schulz, August Baumer, Louisville; B. F. Hensley, Knightstown; H. P. Smith, Piqua, O.; P. O. Tauer, Lebanon; E. M. Hyatt, Anderson; Charles Hitz and William Hitz, Madison.

The following were the

Awards

Chrysanthemums

Specimen white—1, Roepke & Rieman, Indianapolis; 2, A. Wiegand & Sons, Indianapolis.
Specimen yellow—2, A. Wiegand & Sons; 3, Roepke & Rieman.
Specimen pink—2, A. Wiegand & Sons; 3, Roepke & Rieman.
Specimen, any other color—2, A. Wiegand & Sons; 3, Roepke & Rieman.
6 Plants, 3 or more vars., grown in bush form, in 8-in. pots—2, A. Wiegand & Sons; 3, Roepke & Rieman.
6 Plants, one var., white—2, Hartje & Elder, Indianapolis; 3, A. Wiegand & Sons.
6 Plants, one var., yellow—2, Hartje & Elder; 3, A Wiegand & Sons.
6 Plants, one var., pink—Roepke & Rieman; 2, A. Wiegand & Sons; 3, Hartje & Elder.
6 Plants, 6 vars.—2, A. Wiegand & Sons.
6 Plants, singles, white—1, Hartje & Elder; 2, A. Wiegand & Sons; 3, Roepke & Rieman.
6 Plants, singles, pink—1, A. Wiegand & Sons.
6 Plants, singles, assorted colors—1, Roepke & Rieman; 2, A. Wiegand & Sons.
50 Blooms, 1 var., white—1, E. G. Hill Co., Richmond, Ind.; 2, Roepke & Rieman; 3, W. W. Coles, Kokomo, Ind.
50 Blooms,, 1 var., yellow—1, F. Dorner & Sons Co., Lafayette, Ind.; 2, E. G. Hill Co.; 3 W. W. Coles.
50 Blooms, 1 var., pink—1, Roepke & Rieman; 2, F. H. Lemon & Co., Richmond, Ind.
50 Blooms, 1 var., any other color—2, F. H. Lemon & Co.
20 Blooms, 1 var., white—1, E. G. Hill Co.; 2, Geo. R. Gause, Richmond, Ind.; 3, Roepke & Rieman.
20 Blooms, 1 variety, yellow—1, E. G. Hill Co.; 2, Baur & Smith, Indianapolis; 3, F. Dorner & Sons Co.
20 Blooms, 1 variety, pink—1, E. G. Hill Co.; 2, Roepke & Rieman; 3, F. Dorner & Sons Co.
20 Blooms, 1 var., any other color—1, E. G. Hill Co.
6 Blooms, 1 var., white, stems 18 to 24 ins.—1, E. G. Hill Co.; 2, Geo. R. Gause; 3, P. O. Tauer, Lebanon, Indiana.
6 Blooms, 1 var., yellow—1, E. G. Hill Co.; 2, F. H. Lemon & Co.; 3, F. Dorner & Sons Co.
6 Blooms, 1 var., pink—1, E. G. Hill Co.; 2, Elmer D. Smith & Co., Adrian, Mich.; 3, P. O. Tauer.
6 Blooms, 1 var., red—1, Elmer D. Smith & Co.; 2, E. G. Hill Co.
6 Blooms, 1 var., bronze—1, Elmer D. Smith & Co.; 2, E. G. Hill Co.
6 Blooms, 1 var., any other color—1, Elmer D. Smith & Co.; 3, E. G. Hill Co.
25 Blooms, 25 vars., on mossed boards—1, E. G. Hill Co.; 2, Elmer D. Smith & Co.; 3, Roepke & Rieman.
100 Sprays Pompons, asstd. colors—1, Baur & Smith, Indianapolis; 2, Hartje & Elder; 3, E. G. Hill Co.
100 Sprays Singles, asstd. colors—1, E. G. Hill Co.; 2, Hartje & Elder.
25 Plants, 1 var., white, grown to one flower—1, Baur & Smith.
25 Plants, 1 var., yellow, one flower—1, Baur & Smith; 2, Roepke & Rieman.
25 Plants, assorted colors, one flower—3, Roepke & Rieman.

Seedlings, Sports and Undisseminated Varieties

6 Blooms, 1 var., white—E. G. Hill Co. with Glacier, ex. scale 88 points.
6 Blooms, 1 var., yellow, darker than Bonnaffon—E. G. Hill Co. with yellow seedlings, com. scale 92 points; Sweepstakes prize, the Vaughan Silver Cup.
6 Blooms, 1 var., pink, lighter than Dr. Enguehard—1, Roepke & Rieman with 20'09, com. scale 87 points; 2, Elmer D. Smith & Co. with 545-1-08, ex. scale 86 points.

Roses

100 Blooms American Beauty—1, South Park Floral Co., Newcastle, Ind.; 2, A. Wiegand & Sons.
50 Blooms Killarney—1, A. Wiegand & Sons; 2, B. F. Hensley, Knightstown, Ind.
50 Blooms Richmond—1, Fred H. Lemon & Co.; 2, A. Wiegand & Co.
50 Blooms White Killarney—1, E. G. Hill Co.; 2, A. Wiegand & Sons.
50 Blooms My Maryland—1, A. Wiegand & Sons.
50 Blooms Bride—1, P. J. Olinger, Newcastle, Ind.; 2, B. F. Hensley.
50 Blooms Bridesmaid—2, B. F. Hensley.
50 Blooms any other var.—1, Chas. Knopf Floral Co., Richmond, Ind.

Carnations

50 Blooms, 1 var., white—1, F. Dorner & Sons Co.; 2, E. G. Hill Co.
50 Blooms, 1 var., flesh—1, E. G. Hill Co.; 2, F. Dorner & Sons Co.
50 Blooms, 1 var., light pink—1, F. Dorner & Sons Co.; 2, Baur & Smith.
50 Blooms, 1 var., deep pink—1, Nic. Zweifel, North Milwaukee, Wis.; 2, F. Dorner & Sons Co.
50 Blooms, 1 var., scarlet—1, E. G. Hill Co.; 2, F. Dorner & Sons Co.
50 Blooms, 1 var., crimson—1, F. Dorner & Sons Co.; 2, Baur & Smith.
100 Blooms, asstd. colors, in 1 vase—1, F. H. Lemon & Co.; 2, F. Dorner & Sons Co.

General Display

Specimen Nephrolepis Bostoniensis—1, A. Wiegand & Sons; 2, Pahud Floral Co.
Specimen crested form of Nephrolepis—1, Roepke & Rieman; 2, A. Wiegand & Sons.
Specimen Adiantum Farleyense—1, Pahud Floral Co.; 2, Roepke & Rieman.
10 Plants Cyclamens, pots not less than 6 ins.—1, E. A. Nelson, Indianapolis; 2, Roepke & Rieman.
10 Plants Begonia Gloire de Lorraine, or its type, pots not less than 6 ins.—1, E. A. Nelson; 2, A. Wiegand & Sons.
Display of Decorative plants, covering 72 sq. ft. of space—1, A. Wiegand & Sons; 2, H. D. Schilling, Indianapolis.

Special Prizes

S. A. F. & O. H. bronze medal for undisseminated plant or variety of American origin, plants or flowers to be shown—The E. G. Hill Co. for new Rose Rose Queen.
Certificate of merit—To Hartje & Elder for seedling Pompon Chrysanthemum.
Certificate of merit—To J. A. Peterson, Westwood, Ohio, for Begonia Glory of Cincinnati.
Hon. mention—To H. P. Smith, Piqua, Ohio, for Yellow Touset 'Mum.

St. Louis Flower Show

The fourth annual flower show given by the St. Louis Horticultural Society opened at noon on Tuesday, November 8, and throughout the five days was a pretty one. The decorations and arrangements of displays made a good impression, and the big arena of the Coliseum never looked better than this year.

The competition was not so great as in former years, but the management blames this to the fact that all the big Western shows were given at the same time. The number of entries from out of town in all big classes in Carnations, 'Mums and Roses was very small. The city park and water departments made fine exhibits but not for competition. The St. Louis Seed Co. and the Schisler-Corneli Seed Co. had fine booths displaying their goods.

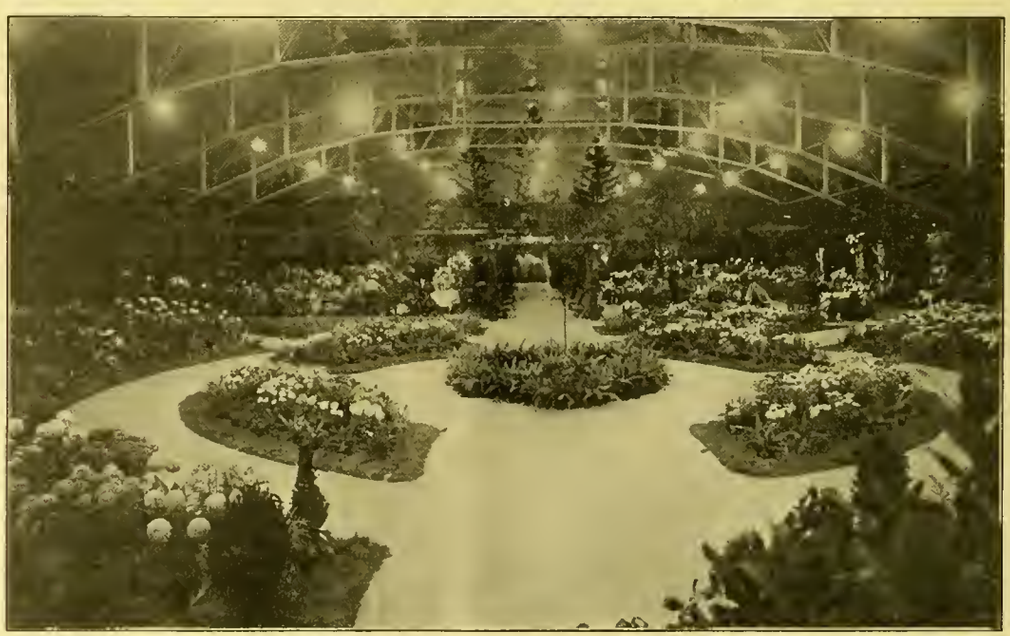
The Shaw premiums were all pretty well taken up. There was no entry made for the Henry Shaw gold medal.

A large band of musicians played during each afternoon and evening. The awards were as follows:

Awards

Plants

Display of Decorative plants—1, Wm. Schray & Sons, St. Louis; 2, Sanders Nurseries, St. Louis; 3, F. J. Fillmore & Son, St. Louis.



Buffalo Flower Show, Nov. 2 to 5, 1910

General View from Stage

18 Berried plants, one or more varieties—1, Koenig Floral Co., St. Louis; 2, Sanders Nurseries.

25 Blooming plants, eight or more varieties, Chrysanthemums excluded—1, Wm. Schray & Sons; 2, F. J. Fillmore & Sons; 3, Sanders Nurseries.

12 Geraniums in bloom, not over 10 inch pots—1, Koenig Floral Co.; 2, F. J. Fillmore & Son; 3, Bentzen Floral Co.

Specimen Palm—1, Wm. Schray & Sons; 2, C. Young & Sons Co., St. Louis.

Specimen Fern—1, H. J. Weber & Son Nursery Co., St. Louis; 2, Sanders Nurseries; 3, C. Young & Sons Co.

Blooming plant other than Chrysanthemum—1, Koenig Floral Co.; 2, Schray & Sons; 3, J. F. Meinhardt, St. Louis.

Fern dish, not over 10 ins. in diameter—1, Wm. Schray & Sons; 2, Sanders Nurseries; 3, C. Young & Sons Co.

Group variegated foliage plants, not less than 24 and not more than 30 plants—1, Wm. Schray & Sons; 2, Sanders Nurseries.

Pair Standard Bay trees—1, C. Young & Sons Co.; 2, W. Schray & Sons.

For the best collection of hardy Evergreens, 20 or more vars., quality of arrangement to be considered—1, H. J. Weber & Sons Nursery Co.; 2, Sanders Nurseries.

12 Begonias, one or more vars.—1, Wm. Bruecker.

Chrysanthemums

Group of Chrysanthemum plants to occupy 75 sq. ft.—1, Koenig Floral Co.; 2, Wm. Bruecker, St. Louis; 3, C. Young & Sons Co.

3 Specimen Chrysanthemum plants, white—1, Koenig Floral Co.

3 Specimen Chrysanthemum plants, pink—Koenig Floral Co.

3 Specimen Chrysanthemum plants, any other color—1, Koenig Floral Co.

Specimen Chrysanthemum plant, white—1, Koenig Floral Co.; 2, Sanders Nurseries.

Specimen Chrysanthemum plant, yellow—1, Koenig Floral Co.; 2, Sanders Nurseries.

Specimen Chrysanthemum plant, pink—1, Koenig Floral Co.; 2, Sanders Nurseries.

Specimen Chrysanthemum plant, any other color—1, Koenig Floral Co.

Display of Pompons—1, Koenig Floral Co.; 2, Sanders Nurseries; 3, Geo. B. Windler, St. Louis.

25 Chrysanthemum plants grown to single stem, not over 40 inches in height above pot—1, Sanders Nurseries.

6 blooms, new seedling not yet disseminated—1, M. F. Widmer, Highland, Ill.; 2, Hy. Emunds, Belleville, Ill.

The principal competition of the first day was that for the $500 prize for the best display of cut Chrysanthemum blooms—E. G. Hill Co. of Richmond, Ind., won with a grand display; E. D. Smith & Co., Adrian, Mich., was the only other Competitor.

25 blooms, white, one variety—1, E. G. Hill Co., with Lynwood Hall; 2, H. Johann with Alice Byron.

25 blooms yellow, one variety—1, E. G. Hill Co. with Yellow Eaton; 2, W. J. & M. S. Vesey, Fort Wayne, Ind., with Col. Appleton; 3, J. F. Meinhardt.

25 blooms, any other color—1, Koenig Floral Co. with Mayor Weaver; 2, E. G. Hill Co., with W. R. Brock.

On Moss boards, 50 blooms, 20 vars.—1, E. D. Smith & Co.; 2, E. G. Hill Co.

50 blooms, arrangements for effect, any variety—1, Metropolitan Floral Co.; 2, West End Floral Park, Belleville, Ill.

Display of Pompons, Anemones and Single vars.—1, E. G. Hill Co.; 2, Koenig Floral Co.

100 Blooms, any color—1, E. G. Hill Co., with Timothy Eaton.

Floral Decorations

Decorated dining room effect, including table and mantel decoration—C. Young & Sons Co. made the only display in this class and took first prize; the work was neatly executed.

Basket of Roses—1, Metropolitan Floral Co.; 2, C. Young & Sons Co.

Floral Basket—1, Metropolitan Floral Co.; 2, C. Young & Sons Co.

Display of four floral pieces—1, C. Young & Sons Company.

Best Basket of Carnations.—1, Metropolitan Floral Co.; 2, C. Young & Sons Co.

Bridal bouquets—1, C. Young & Sons Co.; 2, Metropolitan Floral Co.

Carnations

4 Vases, 4 vars., 50 blooms in each vase—1, F. H. Meinhardt, with White Enchantress, Beacon, Enchantress, and Pink Enchantress.

50 blooms, one or more vars., competition open to growers of St. Louis and vicinity only—1, Oakland Floral Co., Kirkwood, Mo.; 2, Bentzen Floral Co.

The second big prize of the show, of $500, for the best display of cut Carnations—E. G. Hill Co., with no competition.

50 blooms white—1, E. G. Hill Co., with White Enchantress; 2, J. E. Meinhardt; 3, Oakland Floral Co.

50 blooms pink—1, E. G. Hill Co.; 2, Oakland Floral Co.; 3, J. E. Meinhardt.

50 blooms dark pink—1, Oakland Floral Co. with Winona; 2, J. E. Meinhardt.

50 blooms red—1, J. E. Meinhardt with O. P. Bassett; 2, E. G. Hill Co. with Beacon.

Roses

6 Vases, 6 vars., 25 blooms in each vase—1, F. H. Meinhardt, with Amer. Beauty, Golden Gate, Bride, Kaiserin and Richmond.

50 American Beauty—Koenig Floral Co.

100 Roses arranged for effect—The only entry was by Koenig Floral Co., who took the prize.

Best display of cut Roses, one or more vars., attractively displayed, prize $500—Poehlmann Bros. Co., Chicago; the only competitor.

15 Blooms pink, introduction of 1909 or 1910—1, E. G. Hill Co., with Rose Queen, seedling of Richmond.

15 Blooms, any other color, introduction of 1909-1910—1, E. G. Hill Co., with Sunburst.

Poehlmann Bros., Chicago, were the only competitors in all the Rose classes on the fourth day and took all firsts on 50 Richmond, 50 Killarney and 50 White Killarney.

Violets

Display of 1000 Violets—1, C. Young & Sons Co.; 2, Metropolitan Floral Co.

Visitors: Wm. Schmaus, Paducah, Ky.; J. E. Meinhardt, Webb City, Mo.; R. D. Estill, Moberley, Mo.; P. Ellings, Adrian, Mich.; Jos. Hill, Richmond, Ind.; Richard Sahm, Chicago; F. M. Widmer, Highland, Ill.; J. F. Ammann, Edwardsville, Ill.; H. Bilxen, Edwardsville; H. S. Halsted, E. W. Guy, Henry Emmons, Gus Grossart, A. G. Fehr and Wm. Ogle, Belleville, Ill; H. Johann, Collinsville, Ill.

The judges during the exhibition were Jules Bourdette, R. F. Tesson, F. W. Bruenig, Mrs. C. B. Nicholson and W. W. Stertzing, and they did their work well.

The Albany (N. Y.) Flower Show

The second annual flower show of the Albany Florists' Club was opened to the public at the Tenth Infantry's Armory on Thursday evening, November 10. Owing to a previous engagement, it was impossible for Gov. White to open the show, consequently Col. Davis substituted and welcomed the waiting crowd.

The show was certainly planned in good style. Beautiful groups of Palms and Ferns, and retailers' booths were some of the main features. John J. Berberick of Albany was the lucky winner in the booth section, getting the Albany Florists' Club's cup for the best decorated booth. In all, four florists entered in the booth class. Mr. Berberick had a very original booth. He took to the woods, and put up a real rustic booth of white Birch, not forgetting the trimmings such as stumps of trees, moss, Ferns and lots of other auxiliaries; but he gained the cup for his trouble. Wm. C. Gloeckner had an ideal booth representing a bridal party, a very pertinent feature at this date. He had five figures dressed for his demonstration, and the booth certainly presented a fine appearance; a diploma and honorable mention were his laurels. F. A. Danker had a grand booth, a credit to the show. It was in the form of a retreat, and held a very fine display of Chrysanthemums, Roses and Orchids, and was much admired by the public through its tasty get-up. Mr. Danker was awarded a diploma and a certificate of merit. W. C. King's booth was a handsome conception, consisting of Wild Smilax, Ferns and a general display of cut flowers. He was awarded a diploma.

Another notable feature of the show was a group of plants, arranged for effect, in a space 20 ft. square, by F. A. Danker, for which he received the Michell cup. The idea of the display was quite original, and all necessary details were well carried out. In the same class Chas. Gibson, gdr. Alfred Simon, staged a most excellent group, gaining a diploma.

The florists certainly must extend thanks to the Park Dept., of which Philip Bender is superintendent and J. J. Walsh gardener, for the use of the plants and Palms of the Executive Mansion and city parks, as the stagings of these were a credit to the show. Also, among the exhibitors, Mrs. Westinghouse of Lenox, Mass., is entitled to special mention for her elaborate showing of Single Chrysanthemums, and for which she obtained a diploma. Mrs. Dean Sage, Thos. L. Talbot gdr., who had a fine collection of thirteen varieties of fine Chrysanthemums also was awarded a diploma.

In the Carnation classes was noticed a very fine bunch of a new Carnation, color white, exhibited by Robt. Main, Gloversville, N. Y., and yet unnamed; perhaps he was waiting to try out its merits before naming it, and in the near future it will be heard from. He also had a fine mixed bunch for which he obtained a diploma. J. Prandt of Canajoharie, N. Y., showed a very nice lot of a variegated Sweet Alyssum, plants which attracted the visitors as something new in this line. Mr. Prandt's exhibit received honorable mention. In the trade section Wertheimer Bros. of New York exhibited a line of ribbons used by florists. One of the main features of their exhibit, which attracted the florists, was their new sprinkle proof ribbon and chiffon. Another exhibit attracting attention was one of a velvet shield for Violet corsages, made by Lion & Co., New York; it is certainly a good thing, both for show and protection from dampness, which the flowers more or less develope.

There was an excellent display of Ferns by F. R. Pierson Co., Tarrytown, N. Y., including Nephrolepis Giatrasii, Scholzeli, Scottii, superbissima, and elegantissima. It is hardly necessary to say how fine they were, as Mr. Pierson holds the banner in this particular line.

Among the visitors at the show were: H. M. Robinson, Boston; R. W. Allen, Hudson, N. Y.; G. F. Marshall, Eagle Bridge, N. Y.; Chas. Millang, New York; Mr. and Miss Feeley, Lenox, Mass.; Walter Emerick, Watervliet, N. Y.; Louis Menand, Menands, N. Y.; Josiah Young, Troy; and quite a number of others from outside points who did not make themselves known.

Roses

Best vase of 25 Bride—Fred Goldring, Slingerland, N. Y.

Best vase of 25 Bridesmaid—1, Wm. Hannell, Watervliet, N. Y.; 2, Fred Goldring.

Best vase of 25 pink Killarney—1, Wm. Hannell; 2, Fred Goldring.

Best vase of 25 white Killarney—1, Wm. Hannell; 2, Fred Goldring.

Best vase of 25 Carnot—Alfred E. Whittle, Albany, N. Y.

Best vase of 25 Kaiserin Augusta Victoria—Alfred E. Whittle.



General View of Exhibition of Horticultural Society of Chicago, Nov. 8 to 12, 1910



A Portion of the Exhibition of the Horticultural Society of New York, Nov. 9 to 13, 1910.

Best vase of 25 yellow—Fred Goldring.
Best vase of Roses, not less than 50 flowers and 5 varieties—Geo. C. Van Tuyl, Jr., cup, Fred Goldring; diploma, Alfred E. Whittle.

Carnations

Best vase of 50 light pink—1, Chatham Floral Co., Chatham, N. Y.; 2, Wm. Hannell; 3, Henkes Bros., Watervliet, N. Y.
Best vase of 50 rose pink or darker—Wm. Hannell.
Best vase of 50 variegated—Henry Schrade, Saratoga Springs, N. Y.
Best vase of 50 red—1, Wm. Hannell; 2, Henkes Bros.; 3, Henry Schrade.
Best vase of 50 crimson—Chatham Floral Co.
Best vase of Carnations, any color, not less than 100—Marston & Seaman cup, Fred Heeremans, Lenox, Mass.
Best vase of 50 white—1, F. A. Danker, Albany, N. Y.; 2, Wm. Hannell; 3, Wm. C. King, Albany, N. Y.
Best vase of 25 yellow—Henry Schrade.
Best vase of 50 Enchantress—Henry Schrade.
Best vase of 50 Winsor—Henry Schrade.
Best vase of 50 White Perfection—F. A. Danker.
Best vase of 50 White Enchantress—Henkes Bros.
Best collection of 100, any color, any variety, arranged for effect—Luther cup, Wm. Hannell; diploma, Henkes Bros.

Orchids

Best 6 plants of Cattleya labiata—Diploma, F. A. Danker.
Best 6 plants of Oncidium varicosum—Diploma, F. A. Danker.
Collection of cut Orchids, arranged for effect—Danker cup, Alfred Loveless, Lenox, Mass.
Collection of Orchids—Geo. C. Hawley cup, F. A. Danker.

Plants

Largest and best exhibit of Bay trees—Henkes Bros.
Largest and best exhibit of Boxwood trees—Henkes Bros.
Collection of Ferns—Diploma, Henkes Bros.
Group of Gloire de Lorraine Begonias—1, Wm. Hannell; 2, J. Prandt, Canajoharie, N. Y.
Best collection of Araucarias, 25 or more—1, Henkes Bros.; 2, Wm. Gloeckner, Albany, N. Y.
Group of plants arranged for effect, not more than 20 ft. square—Michell cup, F. A. Danker.
Best arranged table Fernery, 8 in. in diameter—1 J. Berberick, Albany, N. Y.; 2, F. A. Danker; 3, Chas Gibson, Albany, N. Y.
6 pots of Geraniums, not more than 10-in. pots—W. C. King.
12 ornamental foliage plants, not less than 4 species, not more than 10-in. pots—J. Berberick, Albany, N. Y.
Best specimen of Palm—Diploma, F. A. Danker.
Group of Palms to occupy 25 sq. ft.—Goldring cup, F. A. Danker.
12 pots longiflorum Lilies, 3 bulbs in pot—Stumpp & Walter cup, Fred Goldring.
Best specimen Fern, any variety—Diploma, Fred Goldring.
Best specimen plant—Diploma, W. C. Gloeckner.
Collection of Ferns—Diploma, J. T. Berberick.
Best arranged window box of evergreens—F. A. Danker.

Chrysanthemums—Cut Blooms

Best collection of Chrysanthemums, not less than 10 varieties, not less than 25 flowers—Henkes Bros. cup, S. P. Shotter, Lenox, Mass.
Vase of Chrysanthemums arranged for effect, foliage and Ferns optional, not more than 50 flowers—North Western Life Cup, F. A. Danker.
Best vase of 25 white—1, F. A. Danker; 2, W. C. King.
Best vase of 25 yellow—1, Henry Schrade; 2, F. A. Danker.
Best vase of 25 pink—1, Wm. Hannell; 2, Henry Schrade; 3, Fred Goldring.
Best vase of 25, any color—Henkes Bros.
Best vase of 25 at the show—W. C. King.

Miscellaneous

Best mantel decoration, not to exceed $15—1, F. A. Danker; 2, W. C. Gloeckner.
Best arranged table decoration, seating eight, white plates to be used, no silver or glass allowed, not to exceed $25—W. C. Gloeckner.
Best arranged basket of Carnations, not to exceed $10—F. A. Danker.
Best arranged basket of Roses, not to exceed $12—J. Berberick.
Best arranged basket of Chrysanthemums, not to exceed $12—F. A. Danker.
Best arranged bride's bouquet, not to exceed $25—Wm. Gloeckner.
Best arranged bridesmaid's bouquet, not to exceed $15—1, Wm. Gloeckner; 2, F. A. Danker.
Best arranged florist booth—Albany Florist Club Cup, J. Berberick.

It is impossible to speak too highly of the work of the committees and judges, which made this show a success both in splendor and financially. Not only did the exhibitors go home satisfied, but the public opinion was that never had a finer show been held in Albany. The officers, judges and committees of the show were as follows: Officers—Frederick Goldring, chairman; Frederick Henckes, Treasurer; Maj.. Chas. B. Staats, Frederick A. Danker, Capt. Wm. J. McKown, M. D., Patrick Hyde, Capt. Albert E. Denison, and Robert Davidson, Secretary. Judges—W. G. Saltford, Ponghkeepsie, N. Y.; Thos. J. Totten, Saratoga, N. Y.; Alfred H. Wingate, Lenox, Mass.; J. R. Fotheringham, Tarrytown, N. Y.; Edward J. Norman, Lenox, Mass. Hall Committee—Patrick Hyde, Chairman; Thomas Snare, Edward P. Tracey, and Cornelius Sullivan. Judges Committee—William C. Gloeckner, chairman; William Hannell, and Alfred E. Whittle. Program and Printing Committee—Frederick A. Danker, Chairman; Louis Menand, Sr., Frank A. Briare, Edward F. Meany, William C. Kurth and Thomas F. Tracy. Decorating Committee—Samuel Goldring, chairman; William C. King, John Murnane, Jr., Charles Sanders, Harry Riggs, John J. Haggerty, Fred Gloeckner, Alfred Simon, Louis H. Schaefer, Eli D. Burke and Frank Connelly. Premium List Committee—John J. Berberick, chairman; Frederick A. Danker, Patrick Hyde, William C. Gloeckner, and Samuel Goldring. Music Committee—William C. Gloeckner, chairman; Patrick Hyde, and Samuel Goldring.

L. H. S.

The Minneapolis Flower Show, November 9-15

Various flower shows have been held at different times in the Twin Cities, with varying degrees of success; but it remained for the Minnesota State Florists' Association to stage an attraction that for beauty and fitness has never been surpassed in the West. With a lavish use of wild Smilax, a lighting effect never seen here before, a hall of ample and well-suited proportions, and exhibits of unusual beauty and attractiveness, a show of great merit was put up and was highly satisfactory from every viewpoint except attendance. However, the Sunday matinee and Monday matinee and evening may bring that up to the profit point.

The competition, among exhibitors, throughout was very close, and many plants and flowers that were not winners would have won first honors at other shows. Everything was good. The chief interest centered in the specimen 'Mum plants, table decorations, and American Beauty Roses. While outsiders carried away a large number of valuable prizes, it was only after a close contest, and the Minnesota florists have made a good impression on the trade at large. Hereafter they may be reckoned in the front rank of progressive uptodate growers.

The following list of out-of-town exhibitors is, I think, complete: La Crosse Floral Co., La Crosse, Wis.; Elmer D. Smith & Co., Adrian, Mich.; Chicago Carnation Co., Chicago, Ill.; Poehlmann Bros. Co., Chicago; Wm. Jaap, Duluth, Minn.; Wendlaud & Keimel, Elmhurst, Ill.; J. E. Sten, Red Wing, Minn.; Hoskins Floral Co., Bismarck, N. D.; J. A. Peterson, Cincinnati, O.; Julius Roehrs Co., Rutherford, N. J.; J. E. Meinhart, Webb City, Mo.

The judges were painstaking and careful, and did their work thoroughly and conscientiously. They were the following well-known gentlemen: J. S. Wilson, Des Moines, Ia.; J. J. Hess, Omaha, Neb.; F. M. Plummer, Kewanee, Ill.

Quite a number well known in the trade were visitors, among them our genial friend, Harry Balsley of Red Pot and Detroit Park fame; Sammy Seligman, with his "delighted to meet you" expression and sprinkle proof ribbon; the two Johnsons from Chicago, from the rival houses of Hunt and Randall; A. Miller, from the City of Brotherly Love; Elmer D. Smith, the king of 'Mum growers; W. J. Keimel, of Killarney fame, Elmhurst, near Chicago; Mr. French, representing the great Poehlmann Bros. Co.; Mrs. J. J. Hess, who accompanied the Judge; and other lesser lights in the trade.

One of the unique and pleasing exhibits was a corner booth of Japanese dwarfed Cedars, and appropriate Japanese vases, etc., loaned by J. S. Brodstreet, one of the princely merchants of the Mill City.

Harry Balsley donated a beautiful silver vase, which was awarded to O. C. Swanson for his unique and pleasing grotto of Orchids, flanked and banked by 'Mums, Palms, Ferns and Bay trees.

The competition in the panel design class was very keen and close; the L. S. Donaldson Co. won first, with a vase, made of Violets, outlined on a background of white 'Mums and filled with Killarney Roses, the panel bordered



General View at the Indianapolis Show

with Roses and Valley. It was the work of Wm. Desmond, the store manager.

Holm & Olson showed an original design depicting the flower show, with its canopy of Smilax, the balcony, pergolas, plant groups and electric lights. It was bold in conception and neatly executed—the work of O. J. Olson.

Some of the new 'Mums exhibited by Smith and Buckbee were marvels in size and beauty; Merza and Naomah in the whites, Pres. Roosevelt and A. J. Balfour in pink, Pockett's Crimson and Tokio, all merited special attention in the minds of local growers.

On Friday night it was decided to hold the show over Monday afternoon and evening, and auction the plants and flowers as a fitting finale to six days of strenuous effort.

Mr. Holmes, manager for Chapman-Dillin Co., was congratulated on the fine taste shown in his table decorations.

On Saturday a banquet was tendered by the Twin City florists to Pres. Wirth, of the State Association. About 75 representative men and ladies, were present in the tea rooms and Donaldson's A. S. Swanson as toastmaster was a pronounced success. The following gentlemen responded to the toasts assigned them: E. Nagel—"The First and Last Flower Show," a retrospect of 20 years along this line; A. J. Smith—"The Inside View," some of the impressions gained as superintendent of the show; L. L. May—"The Impressions of an Exhibitor"; J. J. Hess—"The Judges' View of the Show"; J. S. Wilson—"The Value of Flower Shows to the Trade"; W. L. Harris—"The Value of Flower Shows to the Community"; Mr. Clark—"The Electrical Features of the Show"; O. H. Will—"The Outsiders' View of the Show." Ted Nagel sang several solos, which were heartily encored, and which showed that his fine voice has not been neglected since he entered the florist business. At a late hour every one went home happy, to dream of 'Mums as big as wash tubs, Roses the size of Cabbages, Violets rivaling Orchids in size and beauty, and that happy inside feeling that maketh the heart merry.

The awards up to Saturday night were as follows, as nearly as could be ascertained:

Decorative Plants

Group, 100 square feet—1, Holm & Olson, St. Paul; 2, O. C. Swanson, Minneapolis; 3, L. L. May & Co., St. Paul.

Group, 50 square feet—1, O. C. Swanson; 2, L. S. Donaldson Co.; 3, Holm & Olson.

Specimen Kentia Palm—1, Holm & Olson; 2, L. L. May & Co.

Specimen Phoenix Palm—1, Holm & Olson; 2, Minneapolis Floral Co.

Specimen Pandanus—1, Holm & Olson.

6 Araucarias—1, Minneapolis Floral Co.; 2, L. L. May & Co.; 3, Hiawatha Gardens, Minneapolis.

Specimen Boston Fern—1, Hiawatha Gardens; 2, L. L. May & Co.; 3, Holm & Olson.

Specimen Crested Nephrolepis—1, Holm & Olson with Whitmani; 2, O. C. Swanson; 3, L. L. May & Co.

Specimen Fern, any other var.—1, Holm & Olson with Cibotium Scheidei; 2, L. L. May & Co.; 3, Hiawatha Gardens.

Group of Ferns, 100 sq. ft.—1, Holm & Olson; 2, O. C. Swanson; 3, Hiawatha Gardens.

Collection of Ferns, 50 sq. ft.—1, Holm & Olson; 2, L. S. Donaldson Co.; 3, Hiawatha Gardens.

12 Crotons, not less than 6 vars.—1, Holm & Olson; 2, L. L. May & Co.

6 Crotons, not less than 3 vars.—1, Holm & Olson.

Fern dish—1, Hiawatha Gardens; 2, O. C. Swanson; 3, Holm & Olson.

Blooming Plants

12 Cyclamens—1, Holm & Olson; 2, Minneapolis Floral Co.; 3, Hiawatha Gardens.

12 Begonias, Lorraine type—1, Holm & Olson; 2, O. C. Swanson; 3, Hiawatha Gardens.

12 Primula obconica—1, E. Nagel & Son, Minneapolis; 2, Henry Jaap, Duluth.

Chrysanthemum Blooms

50 Any one color, arranged in vase for effect—1, O. C. Swanson; 2, LaCrosse Floral Co., LaCrosse, Wis.; 3, L. S. Donaldson Co.; 4, Will Bros. Co., Minneapolis; 5, Holm & Olson.

12 Blooms, white—1, Elmer D. Smith & Co., Adrian, Mich. with Merza; 2, Lakewood Cemetery Greenhouses, Minneapolis; 3, L. S. Donaldson Co.

12 Yellow—1, Lakewood Cemetery Greenhouses; 2, LaCrosse Floral Co.; 3, Will Bros. Co.

12 Pink—1, Lakewood Cemetery Greenhouses with Maude Dean; 2, H. W. Buckbee, Rockford, Ill.

12 Red—1, Elmer D. Smith & Co. with Pockett's Crimson; 2, Will Bros. Co.; 3, LaCrosse Floral Co.

12 Any other color—1, L. S. Donaldson Co. with Pres. Roosevelt; 2, H. W. Buckbee; 3, L. L. May & Co.

12 Incurved, any color—1, Elmer D. Smith & Co., with Naomah; 2, LaCrosse Floral Co.; 3, Will Bros. Co.

12 Reflexed, any color—1, Will Bros. Co. with Yellow Eaton.

6 White—1, Elmer D. Smith & Co.; 2, L. S. Donaldson Co.; 3, LaCrosse Floral Co.

6 Yellow—1, Elmer D. Smith & Co.

6 Pink—1, Elmer D. Smith & Co.; 2, Minneapolis Floral Co.; 3, LaCrosse Floral Co.

6 Any other color—1, Elmer D. Smith & Co.; 2, La Crosse Floral Co.; 3, L. L. May & Co.

6 Reflexed, any color—1, Will Bros. Co.

6 Incurved, any color—1, Elmer D. Smith & Co.; 2, LaCrosse Floral Co.; 3, Will Bros. Co.

25 Blooms, 25 vars.—1, Holm & Olson; 2, L. L. May & Co.

25 Varieties, on mossed boards—1, Elmer D. Smith & Co.; 2, H. W. Buckbee.

Vase, 10 single vars.—1, O. C. Swanson; 2, Elmer D. Smith & Co.; 3, Holm & Olson.

Vase, 10 Pompon vars.—1, Holm & Olson; 2, O. C. Swanson; 3, Park Greenhouses, Minneapolis.

Vase, 10 Anemone vars.—1, O. C. Swanson; 2, Holm & Olson; 3, Park Greenhouses.

Largest flower—1, Elmer D. Smith & Co. with M. Loisseau Rousseau; 2, H. W. Buckbee.

Best basket or hamper of 'Mums, arranged for effect—1, Holm & Olson; 2, R. M. Chapman-Dillin Co.; 3, O. C. Swanson.

Vase of 'Mums, arranged for effect—1, Holm & Olson; 2, O. C. Swanson; 3, Minneapolis Floral Co.

Original design on panel—1, L. S. Donaldson Co.; 2, Holm & Olson; 3, L. L. May & Co.

Carnations

50 White Perfection—1, Poehlmann Bros. Co., Chicago; 2, LaCrosse Floral Co.; 3, Chicago Carnation Co., Joliet, Ill.

50 White Enchantress—1, Chicago Carnation Co.; 2, L. L. May & Co.; 3, Poehlmann Bros. Co.

50 Any other white—1, Poehlmann Bros. Co. with White Lawson.

50 O. P. Bassett—1, LaCrosse Floral Co.; 2, Poehlmann Bros. Co.; 3, Holm & Olson.

50 Beacon—1, L. L. May & Co.; 2, LaCrosse Floral Co.; 3, Poehlmann Bros. Co.

50 Victory—1, Chicago Carnation Co.; 2, LaCrosse Floral Co.

50 Any other red—1, Poehlmann Bros. Co. with Scarlet Glow.

50 Enchantress—1, L. L. May & Co.; 2, Chicago Carnation Co.

50 Winsor—2, Chicago Carnation Co.; 3, Poehlmann Bros. Co.

50 Lawson—1, Poehlmann Bros. Co.

50 Light pink—1, Poehlmann Bros. Co.

50 Dark pink—1, Chicago Carnation Co.; 2, LaCrosse Floral Co.; 3, L. L. May & Co.

50 Prosperity, or its color—1, Chicago Carnation Co.

50 White, introduction 1910—1, Chicago Carnation Co. with Shasta.

50 White, introduction of 1910—1, Chicago Carnation Co. with Shasta.

50 Light pink, introduction of 1910—1, Poehlmann Bros. Co. with Sangamo.

50 Red, introduction of 1910—1, Chicago Carnation Co. with Scarlet Glow; 2, Poehlmann Bros Co. with Scarlet Glow.

100 White—1, Poehlmann Bros Co. with White Perfection; 2, Chicago Carnation Co. with White Perfection; 3, LaCrosse Floral Co. with White Enchantress.

100 Light pink—1, Poehlmann Bros. Co.; 2, Chicago Carnation Co.

100 Dark pink—1, Chicago Carnation Co. with Washington; 2, LaCrosse Floral Co.

100 Flesh pink—1, Chicago Carnation Co.; 2, LaCrosse Floral Co.; 3, Poehlmann Bros. Co.

100 Red—1 Poehlmann Bros. Co. with O. P. Bassett; 2, Chicago Carnation Co. with Victory; 3, LaCrosse Floral Co.

100 Any other variety—1, Chicago Carnation Co. with May Day.

Roses

Table decoration of Roses—1, O. C. Swanson; 2, L. L. May & Co.; 3, Minneapolis Floral Co.

100 American Beauty—1, Holm & Olson; 2, Poehlmann Bros. Co.; 3, L. S. Donaldson Co.

50 American Beauty—1, Poehlman Bros. Co.; 2, Holm & Olson; 3, L. S. Donaldson Co.

25 American Beauty—1, Holm & Olson.

100 Richmond—1, Poehlmann Bros. Co.; 2, L. L. May & Co.; 3, L. S. Donaldson Co.

50 Richmond—1, Poehlmann Bros. Co.; 2, L. S. Donaldson Co.

100 Pink Killarney—1, Poehlmann Bros Co.; 2, Wendland & Keimel, Elmhurst, Ill.; 3, L. L. May & Co.

50 Pink Killarney—1, Wendland & Keimel; 2, Poehlmann Bros. Co.; 3, L. S. Donaldson Co.

100 White Killarney—1 Poehlmann Bros. Co.; 2, Wendland & Keimel; 3, L. L. May & Co.

50 White Killarney—1, Poehlmann Bros. Co.; 2, Wendland & Keimel; 3, L. S. Donaldson Co.

50 Bride—1, L. S. Donaldson Co.

50 Bridesmaid—1, L. S. Donaldson Co.

50 My Maryland—1, L. L. May & Co.; 2, Poehlmann Bros. Co.; 3, L. S. Donaldson Co.

50 Perle—1, Poehlmann Bros. Co.; 2, Holm & Olson.

50 Any other variety—1, Poehlmann Bros. Co. with Rhea Reid; 2, Holm & Olson with Rhea Reid.

25 Richmond—1, Poehlmann Bros. Co.

25 Pink Killarney—1, Poehlmann Bros. Co.; 2, Wendland & Keimel; 3, Chicago Carnation Co.

25 White Killarney—1, Wendland & Keimel; 2, Poehlmann Bros. Co.; 3, Chicago Carnation Co.

25 Bride—1, L. S. Donaldson Co.

25 Bridesmaid—1, L. S. Donaldson Co.

25 My Maryland—1, Poehlmann Bros Co.

25 Perle—1, Poehlmann Bros. Co.; 2, Holm & Olson.

25 Any other var.—1, Holm & Olson with Rhea Reid; 2, O. C. Swanson; 3, Hiawatha Gardens Co.

12 Roses not in commerce—1, Minneapolis Floral Co. with their unnamed pink.

Miscellaneous

200 Double Violets—1, Will Bros. Co.

200 Princess of Wales Violets—1, Minneapolis Floral Co.; 2, Will Bros. Co.

100 Lily of the Valley—1, Poehlmann Bros. Co.; 2, L. S. Donaldson Co.; 3, L. L. May & Co.

100 Cosmos—1, Holm & Olson.

25 Longiflorum Lilies—1, Minneapolis Floral Co.; 2, Holm & Olson.

Table decoration, novelty and style to be considered, any flowers except Orchids—1, R. M. Chapman-Dillin Co.; 2, Minneapolis Floral Co.; 3, L. S. Donaldson Co.

Table decoration, Orchids—1, O. C. Swanson; 2, L. S. Donaldson Co.; 3, L. L. May & Co.

Basket, main feature Orchids—1, Holm & Olson; 2, O. C. Swanson; 3, L. S. Donaldson Co.

Bridal bouquet, any flower except Orchids—1, O. C. Swanson; 2, L. S. Donaldson Co.; 3, Holm & Olson.

1 Bride's and 2 bridesmaids' bouquets—1, O. C. Swanson; 2, Holm & Olson; 3, Minneapolis Floral Co.

Colonial bouquet—1, Holm & Olson; 2, L. L. May & Co.; 3, O. C. Swanson.

VERITAS.



General View of the Minnesota State Florists' Association's Show at Minneapolis.



Crysanthemum Roman Gold
Shown by Elmer D. Smith & Co. of Adrian, Mich., at the Chicago Flower Show. Sept. bud.

Yonkers Horticultural Society Flower Show

The first annual exhibition of the Yonkers Horticultural Society was held in Co. "G's" Armory, Waverly st., Yonkers, N. Y., on Nov. 10 and 11. For a first flower show, especially during these days when so many others are in progress, the number of entries was considerable, and the exhibition itself a commendable one.

It was noted with pleasure that the Yonkers nurserymen and florists were loyal to their own exhibition and did much, through their displays, to make the affair a success. The attendance, especially in the evening of both days, was large.

Among the trade exhibits particularly meritorious was that of the Yonkers Nursery Co., Yonkers, N. Y., who placed at different points on the floor eight fine specimen Standard Bay trees, and also filled one corner of the Armory with well-grown Kentia and Phœnix Roebeleni Palms, and Boston Ferns; the table display of 12 Cibotium Scheidei Ferns of large size was the most beautiful of all their exhibits.

Scott Brothers of the Elmsford Nursery Co., Elmsford, N. Y., made a most creditable display of hardy Chrysanthemums in many varieties.

F. Milliot, florist, landscape gardener and seedsman, Yonkers, N. Y., occupied the center of the armory with a very large circular group of Palms, Ferns, Chrysanthemums, and a large variety of other decorative plants, making an effective display. He also showed, in one corner of the armory, a room decorated for a marriage ceremony, including the wedding gate and kneeling stool, with bouquets for bride and bridesmaids.

Another corner of the armory was used for the exhibit of Peter McDonald, florist and seedsman, Yonkers, N. Y. The side walls of the corner were covered with Oak leaves and wild Smilax, and just out of the corner, was a well put up reception canopy of yellow 'Mums, and Oak leaves, also a table display of bulbs, and another of goldfish. This display was made still more effective by a Smilax entwined railing enclosing the entire exhibit.

Arthur T. Boddington, 342 West 14th st., N. Y. City, made, for exhibition only, a moderate sized but choice display of vegetables, among which we noted Boddington's Bountiful Onions, of enormous size, weighing about three pounds each, also some well-grown specimens of his "New Intermediate Red Carrot" and "Student" Parsnip. The Arthur Boddington prize of $25 for the best collection of 12 vegetables was taken by Mrs. J. B. Trevor, with a very creditable display.

The Yonkers Horticultural Society, its executive committee and Thomas Mahoney, the manager of the show, are to be congratulated on their successful beginning.

The judges were William Turner, George Middleton and William Smith.

The Awards Were As Follows:

Miss Georgine Iselin, New Rochelle, N. Y., gdr. Edward Mackenzie—Bon Arbor Chemical Co. silver cup for best Chrysanthemum plant; firsts for six white, six yellow, six pink, six crimson and for largest Chrysanthemum bloom; seconds for 12 blooms 4 varieties, and for 12 varieties Pompons.

Adolph Lewisohn, Ardsley, N. Y., gdr. John Canning—The McDonald silver cup for 12 blooms, 4 varieties; the Lord & Burnham gold medal, 6 plants of Chrysanthemums; the Burnett Bros. prize for plant of Begonia Lorraine; second for best bush Chrysanthemum.

S. P. Lilienthal estate, Yonkers, N. Y., gdr. H. Scott —Firsts for best Standard white, pink and any other colored Chrysanthemum plant; the McCord silver cup for group of Chrysanthemums and foliage plants; first prize for 36 blooms, 6 varieties, 6 blooms each.

Mrs. J. B. Trevors, Yonkers, N. Y., gdr. Howard Nichols—The W. B. Thompson prize for group of Palms and foliage plants; first for Specimen Kentia Palm; Peter Henderson Co. prize for best pair Adiantums; the F. Bennett prize for 12 Roses other than usual colors, the A. T. Boddington prize for best 12 Vegetables; seconds for 12 crimson Roses, and for 6 table Ferns.

Fred'k Potter, Ossining, N. Y., gdr. Wm. C. Roberts —Firsts for 100 single Violets and 12 light pink Carnations; seconds for 6 white and 6 crimson Chrysanthemums, and for 12 white, 12 dark pink, and 12 variegated Carnations.

Claude Wilson, Dobbs Ferry—First for best Fern.

Samuel Untermeyr, Yonkers, N. Y., gdr. A. Herrington—First for American Beauty Roses, and for 18 blooms Carnations, 3 varieties.

Mrs. L. N. Seligman, Irvington, N. Y.—First for 12 pink Roses.

E. C. Benedict, Greenwich, Conn., gdr. Robert Allan —Rickards' silver cup for 36 blooms, 6 varieties Carnations, and for 12 white, 12 dark pink and 12 variegated Carnations.

Charles Mallory, Port Chester, N. Y., gdr. Wm. J. Sealey—First for collection 12 varieties Hardy Pompons.

Miss G. H. Dodge, Riverton, N. J., gdr. Wm. Wright —Second for plant of Begonia Lorraine.

Mrs. T. H. Wheeler, Yonkers, N. Y., gdr. H. Wells, —Second for 100 single Violets.

Frederick Allien, Riverdale, N. Y., gdr. Wm. Shepherd—Second for 6 crimson blooms Chrysanthemums.

Edward Gould, Ardsley, N. Y., gdr. Henry Jordan— Second for American Beauty Roses.

Pasadena (Cal.) Flower Show

The third annual Fall flower show of the Pasadena Gardeners' Association opened on Nov. 3, and was a great success in every sense of the word. There were, during the show, over 4000 paid admissions, which after incidental expenses have been paid will leave a handsome balance in the treasury, which had been depleted by the deficit in expenses of the last Spring flower show. To the Hotel Maryland of Pasadena is due the credit of this show. The "boys" were so thoroughly discouraged with the financial part of the show of last Spring that no thought was entertained of repeating the experiment. The hotel management generously offered part of their building for the purpose, free of charge, and to furnish the lights. This was a stimulant, and the Association got busy, with the result that there was seen the best display of Chrysanthemums and Dahlias ever made in southern California.

Nurserymen displayed their stock in trade in an artistic manner, superior in excellence to that of any previous exhibition. Valuable as the assistance of the hotel people was to the success of this show, the press of both cities, Los Angeles and Pasadena, was loyal to the Association and each paper every day vied with another as to who should give the best and most accurate account of it. To the credit of The Star of Pasadena it employs a reporter who knows plants, their correct names, their nativity, their habits and characteristics, therefore, its readers are never treated to a lot of absurdities and fallacies relative to plant life as it grows on this Coast.

Of infinitely more value to southern California than the financial success of the show was its educative value. Our population is increasing at an amazing rate. To most, indeed to all of those immigrants the trees and plants we grow in great variety are new, strange, subjects with which they are wholly unacquainted.

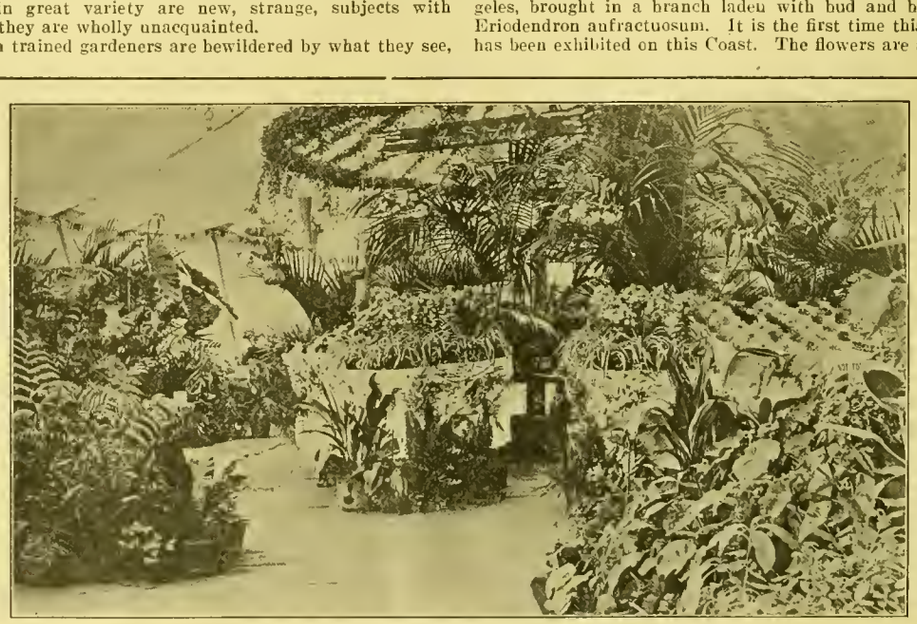
Even trained gardeners are bewildered by what they see, and they, too, are eager to learn, and succeed in acquiring a knowledge of plants in one day at these exhibitions which they could not do otherwise in a month's sojourn in this land of *wonders*. The word "wonders" is intended in this instance to convey to the mind of the reader all that the word implies—as will be shown later on in this article.

The intense interest manifested on the part of the patrons of this show, and the earnest desire to know about the subjects on exhibition, was a great encouragement to the promoters. Another very remarkable feature of the show, and, too, of more value than its monetary value, was the absence of the faultfinder, the adverse critic, the fellow who is always and everywhere, disposed to tell us of the defects of this or that feature of the exhibition, which had it been done otherwise would have made the show a better one. A spirit of good will, of cheerfulness, of optimism pervaded the throngs of people each day; and the cynic, if he was present, had his thoughts turned into more pleasant channels.

To name all prize winners, and all exhibits, would in my judgment be superfluous, a waste of my time and of the space in the EXCHANGE. Chrysanthemums were there in great abundance, grown to perfection in the open, but few Roses and Carnations from the open. Tom Wright and George Watson of Los Angeles had some fine greenhouse grown stock. D. W. Coolidge of Pasadena had an exhibit of sub-tropical fruits which was of great interest to all who saw it; and he did more to convince people of this southland that many valuable acquisitions have been made to our list of such fruits, more than all the literature that has ever been printed on the subject. Avocados, Cocos Australis fruit, Fiejoa, Japan Persimmon, Carissa, were exhibited and lectured upon to throngs of interested hearers, the majority of whom would return home filled with the resolve that they, too, would begin to plant. The result will be more trees than ever before, with an increased knowledge of their care.

The Theodosia B. Shepherd Co. of Ventura exhibited a few vases of their wonderful Petunias. They claim to have furnished the seeds from which the marvelously beautiful field of this flower, which I had occasion to write about some time ago as seeing on the John Bodger & Sons farm at Gardena, was grown. Dr. Franceschi of Santa Barbara had a collection of rare plants, new to this Coast; in the lot was a white Poinsettia; Dr. Schiffman of Pasadena, a plant enthusiast of large means, bought the entire collection, and it will be watched with a great deal of interest by the gardening fraternity of this part of the State. Miss K. O. Sessions of San Diego showed flowers of two varieties of Erica; one, named Blanda, is the most beautiful member of the family I have yet seen; the flowers are borne in terminal clusters, and are an inch or more in length, and of the most beautiful shade of pink. A few branches of a scarlet flowering Eucalyptus also were shown, a variety which she says is a perpetual bloomer; it differs from E. ficifolia in foliage, which is very much larger than on this new one, moreover, ficifolia blooms are borne in terminal clusters, while those of this one are axillary; the outer stamens of this one are reflexed, while the inner ones are short, which gives the flowers of this new species the appearance of a rosette; it is the only tree yet discovered in this State. She also exhibited a branch or two of a new Acacia, which with her requires two years to mature its seeds—a very remarkable characteristic for this family of trees on this Coast. Flowers of the Queen of Sheba Tecoma, an introduction from South Africa, several years ago, by Dr. Franceschi, which has proved to be a valuable acquisition to our list of climbing plants, was seen.

Dr. McNary, of the Soldiers' Home, near to Los Angeles, brought in a branch laden with bud and bloom of Eriodendron anfractuosum. It is the first time this flower has been exhibited on this Coast. The flowers are as large



A Scene at the Pasadena (Cal.) Flower Show

as Tiger Lilies, though they have but five petals—Lilies have six—and so attractive in appearance that it created something of a sensation. It will be illustrated, tree and flower, in The Pacific Garden for December.

James P. Read of Thermal exhibited a bunch of Dates from his three-year-old tree. It was the *piece de resistance* of the show. Few of the Dates were on the bunch at the close of the exhibition, in spite of the vigilance of the attendant. His exhibit also contained some Cotton bolls grown in that Valley, and some of the curiously twisted seed pods of a shrub, native of the Southwest, known as "Screw Beans," the proper name of which is Prosopis pubescens. These were so new and strange that most people requested a bunch of them for souvenirs. Edward Rust of South Pasadena had in his collection of plants a plant of Clerodendron which some one named, Fallax. I do not find it mentioned in Bailey; it is the first plant of the kind I have ever seen, and worthy a trial in the open in this country. The flowers are a bright scarlet, borne in terminal clusters like those of C. trichotomum, though the clusters are not so large. The peduncle and pedicals are of the same color as the flower. Dr. Schiffman bought it.

The greatest and most elaborate exhibit was that of Henry E. Hunting, the street railway magnate of our Southland. Of this I shall write again. The plants composing it were so numerous and rare, so beautiful and so interesting, and arranged with so much artistic skill by his gardener, Wm. Hertrich, that it is worthy a more extended notice than this article will permit.

The consuming desire of the Pasadena Gardeners' Association is to erect a horticultural hall of sufficient size to exhibit the flora of this Southwest to advantage. The space at their command this time was utterly inadequate. The crowds jostled each other in the narrow walks, and the student of plants had little opportunity to study the exhibits. The public is awakening to the necessity of such a hall, and the dream of the gardeners is likely to come true.

P. D. BARNHART.

The Chicago Flower Show

Final Report

If the weather had been furnished to order it could not have been more ideal than the conditions which prevailed during the entire five days of the show, and the large attendance was evidence that it suited the public. The attendance would probably have been a little larger had it not been for the many attractions in other lines presented during show week, among them grand opera, and the visit of Sarah Bernhardt.

The Roses were staged on Wednesday, the competition being very keen, and the stock was excellent in every respect. In many classes there were more entries than premiums, but the stagings outside of the awards were so close in quality to the winners that decisions were difficult to make. Bassett & Washburn and Poehlmann Bros. Co. were there with their usual fine blooms, but having for a rival this year the J. A. Budlong estate, which entered nearly every class. Wendland & Keimel of Elmhurst, Ill., entered for the prizes in the Killarney classes, this variety being the only one they grow. Peter Reinberg entered in many classes, staging, in addition to his class exhibits, a table of a dozen varieties of Roses not for competition. E. G. Hill Co., Richmond, Ind., staged two new varieties of Roses—Sunburst, yellow, and Rose Queen, pink. These were the only new Roses exhibited, and the table carrying them was a center of attraction.

On Thursday was added the array of Carnations, among the exhibitors being Poehlmann Bros. Co., Northwestern Floral Co., Wilmette, Ill., Bassett & Washburn, Chicago Carnation Co., J. A. Budlong Estate, Desplaines Floral Co., Wellworth Farm Greenhouses, Mt. Greenwood Cemetery Assn., Morgan Park, Ill., and C. C. Pollworth Co. of Milwaukee. Nothing really startling was shown in the line of seedlings. A great deal of credit should be given to the Northwestern Floral Co. for its pluck shown in competing for prizes against great odds in the different classes; while it has only 30,000 sq ft. of glass it won five firsts out of seven entries, and Pseneke & Bedzie are to be congratulated. F. Dorner & Sons Co., Lafayette, Ind., showed a vase each of their new varieties White Wonder, and Gloriosa, pink; both exceptionally fine varieties. J. E. Meinhart of Webb City, Mo., had a very creditable display of Enchantress, not for competition.

The University of Illinois had a display, showing the landscape work which is being carried out at Champaign, Ill. Nephrolepis Roosevelt, exhibited by the American Rose and Plant Co., Springfield, O., was greatly admired. The different types of Boston Ferns were staged by exhibitors in remarkably fine form this year. Some fine plants of Primula obconica, and a tree of Navel Orange was exhibited by Adam Wolniewicz, Chicago.

A vase of the single yellow Chrysanthemum Alpha Meyer was displayed by A. W. Meyer, South Holland, Ill. The bronze Pompon 'Mum Mrs. Beu was also exhibited, not for competition; this is certainly one of the finest Pompon varieties for cut flower purposes available, the flowers being very lasting and much appreciated by the retailers.

A. N. Pierson, Cromwell, Conn., had a very commendable display, for exhibition only, of the Roses Antoine Revoire and Radiance, grouped with extra fine specimen plants of Adiantum Farleyense.

J. A. Peterson of Cincinnati showed his new Begonia Glory of Cincinnati, his exhibit containing some most beautiful specimens, seen to advantage with a background of foliage plants.

The retailers did not take very kindly to the new arrangement regarding the table decorations. The sum of $100 was offered for any commendable table, put up during the four days of the show, but only three availed themselves of the offer; these were the Albert T. Hey Floral Co., Maywood, Ill., The Geo. Wittbold Co., and Schiller the Florist, Chicago. The decorations were limited to Chrysanthemums on the first day of the class, Schiller using bronze Pompons, Hey a single yellow variety, and Wittbold a tall vase of yellow above a circle of yellow Pompons. On Thursday Roses and on Friday Carnations were used, and on Saturday any flower preferred was allowed. The Hey Floral Co. staged a beautiful table of Lily of the Valley, Wittbold one of Killarney Roses, and Schiller one of Richmond Roses. The tables were very attractive.

On Thursday evening the Chicago Florists' Club gave a banquet at the Hotel LaSalle, and about 210 were present. W. N. Rudd was toastmaster; responses to toasts were made by Geo. Asmus, Wm. F. Kasting of Buffalo, and many members of the club. It is stated that this was one of the most enjoyable and highly appreciated banquets ever held at show time.

On Friday night the ball given in the Annex by the Chicago Florists' Bowling Club was not as largely attended as anticipated, although a most enjoyable time was had by all present.

The judges this year were Adam Graham, Cleveland; H. B. Dorner, Urbana, Ill., and W. L. Rock, Kansas City, Mo. On the second day Prof. J. F. Cowell of Buffalo took the place of Mr. Dorner

The lectures each evening in the Annex were well attended, the views displayed being of great interest. On Saturday arrangements were made for the school children to take advantage of the show, the price being reduced to 10c. for all children of school age.

Awards additional to those reported on page 866.

Roses

Best 25 American Beauty—1, Bassett & Washburn, Chicago; 2, Poehlmann Bros. Co., Chicago; 3, P. Reinberg, Chicago.

Best 40 Richmond—1, Poehlmann Bros. Co.; 2, Peter Reinberg; 3, J. A. Budlong, Chicago.

Best 40 My Maryland—1, Bassett & Washburn; 2, J. A. Budlong; 3, Poehlmann Bros. Co.

Best 40 Bride—1, Bassett & Washburn; 2, J. A. Budlong.

Best 40 Bridesmaid—1, Bassett & Washburn; 2, J. A. Budlong.

Best 40 Killarney, pink—1, Poehlmann Bros. Co.; 2, Wendland & Keimel, Elmhurst, Ill.; 3, J. A. Budlong.

Best 40 Killarney, white—1, Poehlmann Bros Co.; 2, Bassett & Washburn; 3, Wendland & Keimel.

Best 40, any other var.—1, Peter Reinberg with Mrs. Marshall Field; 2, J. A. Budlong with Mrs. Jardine; 3, Poehlmann Bros. Co. with Cardinal.

Best 100 American Beauty—1, Bassett & Washburn; 2, Poehlmann Bros. Co.; 3, J. A. Budlong.

Best 100 Richmond—1, Poehlmann Bros. Co.; 2, J. A. Budlong.

Best 100 Killarney, pink—1, Poehlmann Bros. Co.; 2, Wendland & Keimel; 3, J. A. Budlong.

Best 100 Killarney, white—1, Poehlmann Bros. Co.; 2, Wendland & Keimel; 3, J. A. Budlong.

Best 100 My Maryland—1, Poehlmann Bros. Co.; 2, J. A. Budlong.

Best 100, any other var., white—1, Bassett & Washburn with Rhea Reid; 2, Poehlmann Bros. Co. with Cardinal.

Best 100, any other var. white—1, Bassett & Washburn with White Killarney; 2, C. Loveridge with White Killarney; 3, J. A. Budlong with Bride.

Best 100, any other variety, pink—J. A. Budlong with Mrs. Marshall Field.

Best 100, any var.—1, Poehlmann Bros. Co.; 2, J. A. Budlong.

Best 12 blooms of a new Rose never exhibited in this country previous to this season, a silver cup valued at $25—E. G. Hill Co., Hon. Men., with Sunburst.

Best 25 blooms, any var. not in commerce—E. G. Hill Co with Rose Queen.

Carnations—White

Best 50 blooms White Lawson—Poehlmann Bros. Co.

Best 50 blooms White Enchantress—1, Northwestern Floral Co., Wilmette, Ill.; 2, C. C. Pollworth Co., Milwaukee.

Best 50 blooms White Perfection—1, Northwestern Floral Co.; 2, Poehlmann Bros. Co.

Best 50 blooms any other white—Mt. Greenwood Cem. Assn., Morgan Park, Ill.

Red

Best 50 blooms Victory—1, Northwestern Floral Co.; 2, C. C. Pollworth Co.

Best 50 blooms O. P. Bassett—1, Bassett & Washburn; 2, J. A. Budlong.

Best 50 blooms Beacon—1, C. C. Pollworth Co.; 2, Des Plaines Floral Co., Des Plaines, Ill.

Pink

Best 50 blooms Winsor—1, Bassett & Washburn; 2, Chicago Carnation Co., Joliet, Ill.

Best 50 blooms Enchantress—1, Wellsworth Farm Greenhouses; 2, Northwestern Floral Co.

Best 50 blooms Mrs. Thos. W. Lawson—1, Poehlmann Bros. Co.; 2, J. A. Budlong.

Best 50 blooms Afterglow—1, Mt. Greenwood Cem. Asso.; 2, Chicago Carnation Co.

Best 50 blooms any other pink, flesh pink class—1, Chicago Carnation Co. with Pink Delight; 2, Des Plaines Floral Co. with May Day.

Best 50 blooms any other pink, light pink class—1, Poehlmann Bros. Co. with Dorothy Gordon; 2, Chicago Carnation Co. with Dorothy Gordon.

Best 50 blooms any other pink, dark pink class—1, Poehlmann Bros. Co. with Mrs. C. W. Ward; 2, Chicago Carnation Co. with Alvina.

New Varieties

Best 50 blooms, introd. of 1910, flesh pink class—Poehlmann Bros. Co. with Dorothy Gordon.

Best 50 blooms, introd. of 1910, light pink class—1, Chicago Carnation Co. with Sangamo; 2, Des Plaines Floral Co. with Sangamo.

Best 50 blooms, introd. of 1910, dark pink class—Poehlmann Bros. Co. with Winsor.

Best 50 blooms, red, introd. of 1910—1, Chicago Carnation Co. with Scarlet Glow; 2, Poehlmann Bros. Co.

Best 50 blooms, any other color, introd. of 1910—Chicago Carnation Co. with seedling.

Special

Best 100 blooms, white—1, Northwestern Floral Co. with White Perfection; 2, Poehlmann Bros. Co.; 3, C. C. Pollworth Co.

Best 100 blooms, pink, flesh pink class—1, Northwestern Floral Co. with Enchantress; 2, Chicago Carnation Co. with Enchantress; 3 J. A. Budlong.

Best 100 blooms pink, light pink class—1, Chicago Carnation Co. with Pink Enchantress; 2, Poehlmann Bros. Co. with Winsor; 3, J. A. Budlong.

Best 100 bloms pink, dark pink class—1, Chicago Carnation Co. with Washington; 2, J. A. Budlong with Aristocrat; 3, Poehlmann Bros. Co.

Best 100 blooms, red—1, Bassett & Washburn with O. P. Bassett; 2 Northwestern Floral Co. with Victory; 3, Wellsworth Farm Greenhouse.

(*Concluded on page 927*)



Specimen Chrysanthemum Plants Exhibited by Vaughan's Seed Store at the Show of the Horticultural Society of Chicago, Nov. 8 to 12, 1910

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]



Fig. 115

Article IV—Continued

Material and Construction—Iron Frame Houses

Fig. 113 (page 882) presents a view of the house, showing one of the gables and also part of the connecting passageway. Fig. 114 shows a general inside view, and Fig. 115 shows a portion of the house, illustrating the ventilating machinery and the means of operating same by carrying the worm rod down the column. The house was constructed with double board and paper below the sill, but in the consideration of the details we will show the alternate method of construction with concrete side walls.

Fig. 116 shows one-half of the section of this house. P shows the cast iron foot pieces, or ground posts, which are set in concrete, the concrete pier being carried to a depth of 3 ft. 6 in. below grade. This is sufficiently deep to go below the frost line in sections where the temperature does not drop much below zero, but in very cold parts, where the Winters are extreme, the concrete should be carried to whatever depth is necessary to keep below the frost line.

A portion of each cast iron foot piece is carried above the grade, as shown at Q, to which is attached the iron rafter, R, which in this case is composed of ½ in. x 3½ in. soft steel. The rafter is generally carried from the cast iron foot piece to the ridge bracket, B, in one continuous piece, being either bent or welded at the eave line to the required pitch of the roof. In this case the iron rafter is bent to about a 5 in., radius at the eave line, the distance from the eave to the ridge in this instance being about 31 ft.; if the rafters were made in one continuous piece they would have been too long for convenient shipping and handling, therefore they were made in two pieces and jointed with the splice plates, S, to which the columns supporting the roof are attached.

The eaves of the house are shown furnished with a T-iron eave plate, O, but any of the forms of iron eave plate illustrated in Figs. 65 to 69, or any other design, may be used in connection with same.

The side glazing, which in this case is fixed, terminates at the wood sill, and the wall from this sill to the grade line is furnished with double board and paper, H. The amount of glass between the eave and the sill may be arranged to suit the requirements. In the case of the house under consideration, there was 24 in. glass, and the eaves of the house were placed about 5 ft. 6 in. high.

The rafters are joined together between eave and ridge by means of six angle iron purlins, which are secured to the rafters by means of cast iron knees. T-iron purlins of the same size could be used, instead of angle iron, if desired, and secured in the same manner. This connection will be described in the enlarged details which we will show later. In this instance the purlins were made of 1¾ in. x 1¾ in. x 3-16 in. angle iron. The wooden roof bars which extend from the T-eaves, O, to the vent purlin, F, measure 1¾ in. deep by 1⅛ in. wide, and are secured to the purlins by means of screws passing directly through same.

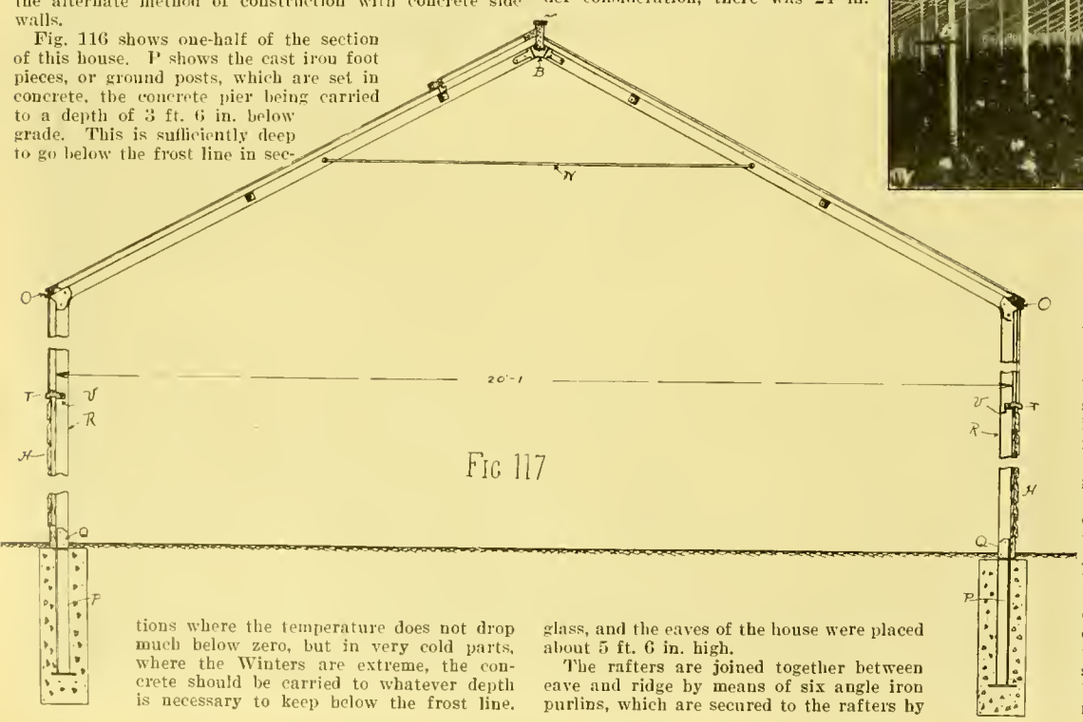


Fig. 116

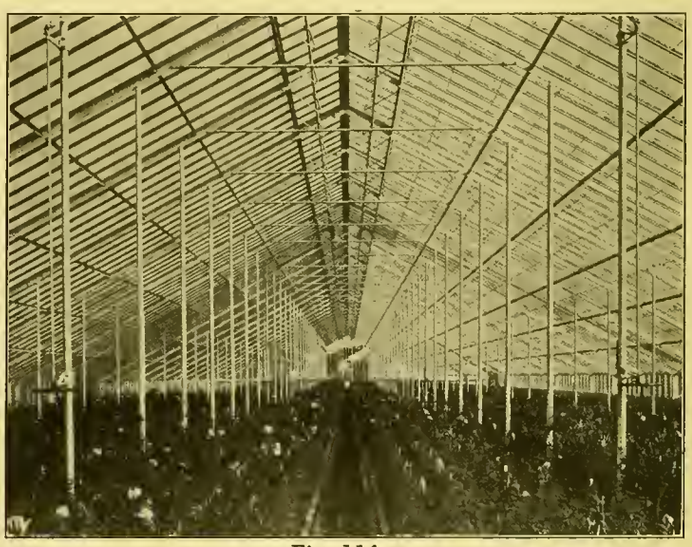


Fig. 114

Where possible, it is advisable to have the roof bars in one length; in this instance the bars are about 28 ft. long. Where it is not possible to have the roof bars in one piece they should be spliced over a purlin, in which case it is well to use a cast iron socket of some kind, one style of which will be described later.

The cast iron ridge bracket, B, is secured, with two bolts on each side, to the rafters, and is provided with a slot in which rests the wood ridge and cap, A, to which it is secured with a lag screw. On both sides of the ridge is furnished a line of continuous ventilating sash, C, hinged to the ridge cap. These sash are operated with a 12 in. gear, D, by means of a 10 in. arm and a 20 in. rod. From this gear is carried down the worm rod, E, which is secured to the pipe column, J, and terminates in the hand wheel, L, where the vertical part of the worm rod, E, joins the horizontal portion; the connection is made with two universal joints, K.

As before stated, the rafters are supported on four lines of columns, two on each side. Columns I are composed of 1¼ in. pipe, and columns J of 2-in. pipe. These columns are supported on cast iron foot pieces, M, which are set in concrete as shown, column I being set at a point 10 ft. 5 in. from the outside face of the rafter, and column J at a point 9 ft. 4 in. from column I.

Fig. 117

The tie rod, N, is composed of 1-in. pipe, which is secured to the rafters by means of the split fitting, X. In this way the pull of the rod is made to come directly in the center of the rafter. Where the tie rod is used without a means of adjustment, it should be made slightly shorter than the actual requirements of the width of the house, so as to keep the strain on same at all times.

Fig. 117 shows the section of the passage way connection. This passage way is wider than is sometimes used, and it is so made to make it possible to have a wide passage between the houses and at the same time have benches in same, which are used for propagating or other purposes.

In this house the rafters, R, are made of ½ in. x 3 in. soft steel, and they extend from the cast iron ground posts, P, to the ridge bracket, B, in one piece, being bent at the eave line to the required pitch of the roof, which is the same as the main house. These ½ in. x 3 in. rafters have sufficient strength to support this width of house without the use of columns. The ground posts, P, are of the same design as those used in connection with the 54 ft. house, with the exception that they are somewhat lighter, the upper portion, Q, extending above the grade for securing to the rafter in the same way.

The eave of this passage-house is of the same height as the eave of the main house, and is furnished with a "T"-iron eave plate, O, as shown. There are two lines of purlins, of the same size as those in the wide house, between the eaves and the ridge.

The roof is furnished with one line of ventilation, which is sufficient for the purpose required. In this width house the rafters should be tied together with a tie-rod, N, consisting of either ⅝ in. round iron or 1¼ in. x ¼ in. flat iron, and, where possible, it is better to have the rod secured on both sides of the rafter, so that the pull will come directly in the center of same. The sill, T, and the siding between the sill and grade line, which consists of double board and paper, H, is the same as in the large house. The ridge and cap, A, is of the same dimensions, but is only arranged to receive the vent sash on one side, the roof glass being carried up to the ridge on the opposite side.

The Dobbs Ferry Show

The Dobbs Ferry (N. Y.) Horticultural Association held its annual flower show on Nov. 4 and 5 at the Town Hall in Dobbs Ferry. It was one of the best in the history of the Association. Great credit is due the exhibitors, as this section had no rain for five months, and all the exhibits were first-class in every respect. There were about 120 exhibits staged. The following were the winners:

H. Hastberg, 5 firsts and 7 seconds; H. Keling, 5 firsts, 3 seconds; C. Wilson, 2 firsts, 1 second; J. Canning, 3 firsts, 1 second; M. Hayes, 1 first, 4 seconds, J. Bradley, 5 firsts, 2 seconds; J. Goff, 4 firsts; T. A. Lea, 5 seconds; W. Hutching, 1 first, 1 second; C. Kurkeviez, 1 first, 1 second; D. Macrea, 2 firsts, 5 seconds; H. Holgerson, 2 firsts; F. Flanagan, 2 firsts, 4 seconds; H. Jordan, 3 firsts, 1 second; E. Kain, 3 seconds; J. Schreiber, 5 firsts, 1 second; J. Thomas, 1 second; Mrs. Wm. Pullen, 1 first; R. Boraham, certificate of merit for Geranium flowers.

H. HARMS, Cor. Sec.

Show of the Worcester Co. (Mass.) Hort. Soc.

The annual Chrysanthemum show of the Worcester County Hort. Soc. surpassed the expectations of the committee; altogether, it was the finest display of plants and flowers seen in many years. The florists' displays embraced artistic arrangements of splendid specimens of Chrysanthemums, Easter Lilies, Roses and Carnations. The exhibitors were: Leonard C. Midgley, whose stock was from the Worcester Conservatories; Edward W. Breed, of Clinton; Charles D. Mackie and H. F. A. Lange. In the Lange display were some Cattleya labiata which attracted much attention. The Chrysanthemums were of every hue and many varieties.

The George W. Knowlton estate, of Upton, W. S. Russell, gdr., won many of the first prizes in the Chrysanthemum classes. Mrs. John C. Whitin, Whitinsville, George McWilliam, gdr., was also a large exhibitor and winner of several prizes.

Of the florists, Lange carried off first honors for his group; Edward W. Breed was second, and Leonard C. Midgley, third. James Edwin Draper, of the Draper Nurseries, had a magnificent display of evergreen and decorative plants, one of the finest seen in Worcester for some years, winning him honors. In the class calling for ten white Chrysanthemums, Mr. Midgley won a third prize, and a similar prize for ten pink blooms; for ten yellows he was awarded fourth; for six reds, third, for 25 blooms a third. In the Pompon class Mrs. Percy G. Forbes won second place, and H. F. A. Lange won first for singles.

Lange also won prizes for Palms, Ferns, Roses and Begonias. Mr. Midgley won on Carnations, Roses, and Cyclamen. Charles D. Mackie won the first award for his display of plants, Ferns and flowers. E. D.

Exhibition of the Rhode Island Hort. Society

The Rhode Island Horticultural Society held its annual exhibition of fruits and flowers in the vestry of the Mathewson st. Methodist Episcopal Church, Providence. Although the display was small, the quality of goods exhibited was fine.

Fred S. Peck of Barrington, R. I., had the largest display of Chrysanthemums, also a fine display of Begonias; all were well grown and attracted considerable attention. Much credit is due to Geo. Farquhar, gdr. for Mr. Peck, who had charge of the display, especially for the manner in which he grew the plants. Senator Aldrich exhibited a collection of 24 new varieties of Chrysanthemums, as well as several other varieties; his exhibit was in charge of James Hamilton, who is head gardener at the Aldrich estate, Warwick, R. I. S. Kinder & Bro., Bristol, R. I., exhibited a vase of 50 red Carnations, of their new seedling variety, which attracted much attention, a certificate and gratuity were awarded him. Johnston Bros., Providence, received first premium for a centerpiece for a table decoration, made of greens and Carnations. F. S. Peck received first prizes for Chrysanthemum blooms in the classes for 18 yellow, 18 pink, 12 mounted separately, best six varieties, best individual variety of white, pink, yellow and also for the best display of varieties of one bloom each. E. J. Johnston was awarded second premium for 25 blooms pink Carnations. Mrs. John Muldoon was first for best display of hardy and Pompon Chrysanthemums. Gratuities were awarded to Wm. Steel of Auburn for 10 jars of Chrysanthemums; S. Kinder & Bro. for seedling Carnation; F. S. Peck, and Nelson W. Aldrich.

The fruit display, as well as the flowers, was small, but of excellent quality. The first premium on Apples was awarded to T. K. Winsor, of Greenville, R. I., the premium including the silver cup offered by Pratt's, manufacturers of scalecide. He also won many other prizes for Apples. James Barlow, Providence, and Mrs. Anna M. Lewis also were among the principal prize winners in the fruit classes.

Frank Gay was in charge of the arrangements for the show, and much credit is due him. H. C. N.

Conclusion Chicago Show Awards

Carnations

Seedlings and Sports—Bronze Medal Premium

Best white, 20 blooms—Chas. Knopf Floral Co., Richmond, Ind., with Cynthia.

Best red, 20 blooms—E. G. Hill Co., with Mrs. Beckwith.

Best pink, flesh pink class, 20 blooms—Mt. Greenwood Cemetery Assn., with Greenwood.

Best 20 blooms, any other color—Mt. Greenwood Cemetery Assn., with seedling 2807 a. This variety also won the sweepstake prize for the best seedling in the section.

Chrysanthemums

Seedlings, Sports and Undisseminated Importations—Bronze Medal Premiums

6 Blooms white, one variety—E. G. Hill Co., with Debutante.

6 Blooms, one variety, darker than Major Bonnaffon—Elmer D. Smith & Co., with Roman Gold.

6 Blooms pink, one variety, lighter than Viviand Morel—Elmer D. Smith & Co., with seedling 512-7-08.

6 Blooms, not lighter than Viviand Morel—H. W. Buckbee, Rockford, Ill., with a seedling marked "F".

In the classes for 6 blooms, of any other color, and sweepstakes for best seedling in the section, Mr. Buckbee also won a seedling marked "G," a light bronze of Japanese type, taking the sweepstake cup.

Best display of Lilium Harrisii, 100 blooms—1, Poehlmann Bros. Co.

Height in Feet Not Pounds of Pressure

We have installed a No. 4 Honeywell Heat Generator this Fall. We understand that the pressure would not exceed ten pounds. We already have a pressure of eighteen pounds on our altitude gauge, due to the height of our expansion tank. Now, when we fire up, the gauge slowly climbs up until it registers thirty-eight pounds. We do not know whether it would go any higher or not. Do you think that the excessive pressure is because the water expands faster than it can relieve itself through the small opening in the generator, or does this size generator carry more pressure?—C. F. Co., N. Y.

—The No. 4 Honeywell which you have is capable of taking care of 15,000 sq. ft. of heating surface, and is thoroughly ample to vent the system under all conditions. Altitude gauges indicate height in feet, and not pounds, therefore the height indicated by your altitude gauge would be about 18'. The heat generator would increase the pressure about 10 lbs., which would be equal to approximately 20', which, added to the 18', should register about 38' on your altitude gauge, which is correct according to your statement, the only difference being that you have called the indications on the altitude gauge pounds of pressure instead of feet in height.

JOHN A. PAYNE.

What is a Landscape Architect?

This question, a long vexed one among gardeners and florists, would appear to have been settled by Prof. J. C. Blair, head of the horticultural department of the University of Illinois. The professor is quoted as declaring, in a lecture recently given in the Coliseum Annex, Chicago: "There is no such thing as a landscape architect. That phrase was coined by Olmsted, a leader among gardeners; but that is no reason why we should use it. Architecture may inject itself into gardening to some extent, but it is still gardening."

With Regard to Advertisers

Quite naturally, the publishers of The Florists' Exchange desire to obtain all the advertising patronage they possibly can, but—

We do not knowingly press a business man to advertise in our columns when he has nothing to offer;

We do not urge an advertiser to take large space when a small space will serve the occasion equally as well.

Many advertisers seem to feel a dread that if they patronize one trade paper and not another, retaliatory measures will be resorted to by those publishers not receiving their share (?) of the business. We cannot bring ourselves to believe that the responsible heads of any of our trade papers would for a minute countenance such an attempt, which would be, in effect, blackmail of the most despicable sort.

So far as The Florists' Exchange is concerned, our policy toward advertisers and non-advertisers is one and the same when it comes to printing the news, giving credit for new introductions, cultural skill, services rendered, or for any action that is of trade interest and so entitled to be made public. We show no discrimination and bestow notice or deserved commendation upon the one equally as readily as we would upon the other.

In other words, our news columns are not dictated to nor controlled by our advertising columns.



View in the Hotel Fairmont during the Pacific Coast Horticultural Society's Exhibition

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker FLORIST — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist."

Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips FLORIST — Established 1874 — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.



Standing Wreath of White and Yellow 'Mums, designed by Geo. G. McClunie of Hartford, Conn., and taking first prize for best Chrysanthemum Design at the Conn. Hort. Society's show, Nov. 3 and 4, 1910.

BOSTON, MASS.—N. Arranson, the well known and respected Crawford House florist, was married on Nov. 3, to Miss E. Slatrow. There were 225 guests present at the marriage and, after supper, there was dancing into the early hours of the morning. The young couple received many valuable and beautiful presents from their numerous friends and all those who know them wish them long life and much happiness. R. C.

Fred'k Kuhnert Invents an Aeroplane

The N. Y. Herald of Nov. 15, is responsible for the following: Frederick Kuhnert of Hackensack, N. J., a florist and machinist, has invented an aeroplane of his own design which he believes will carry at least six persons, and which is so constructed that it will not fall or collapse in the air even after the engine has stopped. He is putting the finishing touches on the strange looking air craft.

"The superstructure is so constructed, with a parachute effect, that it will be buoyed up by the air in the event of the motor stopping, and thus a great element of danger so common in other aeroplanes will have been eliminated," said Mr. Kuhnert. "Another thing, I believe the buoyancy of my airship will enable me to stay in the air a great deal longer than the average aeroplane or biplane."

The Kuhnert aeroplane weighs about 900 pounds. It is to be driven by a seventy-five horse power motor, and there will be three propellors, one in the rear and two at the forward end of the craft. These propellers can be shut off and started at the will of the driver, according to the wind conditions. The aeroplane is 58 ft. long, 28 ft. wide and 18 ft. in height.

Strange to say, this inventor has never seen an aeroplane in the air, and so cannot be accused of copying any other design. He is a practical machinist and has several minor inventions to his credit.

Eryngium Hybridum Spectabile

Eryngiums are becoming increasingly popular in Germany, where they are used not only in the decoration of fancy vases, but also for independent floral arrangements. They are easily dried, the stems being hung upside down in a shaded, airy place so as to keep them straight. The blue and violet varieties must not be exposed to the sun, or they will fade, while the white varieties may be dried in the sun.

Until recently the varieties mostly found in the market were the small-flowered E. amethystinum, E. planum and E. tripartitum, all of which are more or less alike. The finest among the large-flowered varieties are E. Oliverianum, with its variety superbum, E. Zabeli E. alpinum and E. A. superbum, E. Bourgati, and E. spicalba. The bracts and flower stems of all these range from light to dark blue, although they are ivory white with E. maritimum and E. giganteum, and with the last named they are at first green.

Wonderfully effective work has been done with these varieties by the firm of J. C. Schmidt, Erfurt, Germany,

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — **CINCINNATI, O.** — Fourth St.

Frank E. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS NEW YORK STATE

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe
IN HEART OF NEW YORK CITY
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer
NEW YORK
609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard FLORAL CO.
NEW YORK
413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction

Young & Nugent
NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell
NEW YORK
571 Fifth Avenue

T. J. Johnston Co. Florists
PROVIDENCE, R. I.
171 Weybosset St.

J. B. Keller Sons
ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist
SCRANTON, PA.
122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson
ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

SAN FRANCISCO and SOUTHERN CALIFORNIA
Julius Eppstein
The California Florist
SAN FRANCISCO, CALIFORNIA
344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention; exceptional facilities for delivering flowers on outgoing steamers. We cover all California and guarantee satisfaction. Wire us your orders.

WASHINGTON, D. C.
Gude Bros Co.
Florists
1214 F. Street, N. W.

Littlefield Florist.
WORCESTER, MASS.
407 & 409 Main St.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

For "Supply" Advertisements see pages 932-933

FLOWERS DELIVERED BY TELEGRAPH
Anywhere—At Any Hour
By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

THE value of our "Directory of Reliable Retail Houses" is becoming better appreciated with each week and, at the rate at which cards are now coming in, we trust before long to have a representation of first-class houses which will circle the country and include all live towns and cities.



Eryngium hybridum spectabile
From Moeller's Deutsche Gartner-Zeitung.

which makes a specialty of drying and preparing Eryngiums. But, unfortunately, the fine large-flowered varieties are very thorny and hard to pack, while the splendid E. alpinum is too soft to be easily prepared. These shortcomings induced a grower, Ernst Köhler, to endeavor to firm E. alpinum superbum by crossing it with E. giganteum, and the resulting hybrid, named E. hybr. spectabile, has a beard (awn) that is not only wider but also much more abundant, luxurious and firmer than that of E. alpinum or E. superbum. The colors of the new hybrid range from navy blue through dark and light purple, Forget-me-not blue, and pure white, white with purple tinge, to light purple with blue veinings. It is very sturdy in habit, making a height of 40 in.; it is much branched, and each stem bears from 4 to 10 flowers. A bright future is predicted for this novelty, not the least of its merits being that the flowers, though much less prickly than those of E. Oliverianum, are still very firm and may be easily prepared.—*Moeller's.*

THE FLORISTS' EXCHANGE DESIGN BOOK

Every Retailer should have a copy of this valuable collection of designs on his desk. It can be obtained only through subscription for this paper:

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Caledonia	Nov. 19	9.00 am.	W. 24th St., N. Y.	Glasgow
Philadelphia	" 19	10.00 am.	W. 23rd St., N. Y.	Southampton
Bleucher	" 19	11.00 am.	1st St., Hoboken	Hamburg
Berlin	" 19	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno.
Minnetonka	" 19	11.30 am.	W. 16th St., N.Y.	London
Arabic	" 19	12.00 m.	W. 21st St., N. Y.	Liverpool
Hudson	" 19	3.00 pm.	W. 44th St., N.Y.	Bord'x-Dunk'k
Kursk	" 19		Bush Dks. Bklyo	Libau-Rot'am
Rotterdam	" 22	10.00 am.	5th St., Hoboken	Rotterdam
Geo. Washington	" 22	10.00 am.	3rd St., Hoboken	Bremeo
Sant' Anna	" 22		31st St., Bklyo	Naples-Mars.
Finland	" 23	10.00 am.	W. 18th St., N. Y.	Antwerp
Oceanic	" 23	1.00 pm.	Bush Dks. Bklyo	Nap Pat-Tr'ste
Teutonic	" 23	3.00 pm.	W. 21st St., N.Y.	Southampton
San Giorgio	" 23		—Brooklyn	Naples-Palrmo
La Touraine	" 24	10.00 am.	W. 15th St., N. Y	Havre
Roon	" 24	10.00 am	3rd St., Hoboken	Bremen
Amerika	" 24	12.00 m.	1st St., Hoboken	Hamburg
Oscar II	" 24	2.00 pm.	17th St. Hoboken	Copenhagen
Campanello	" 24		Pier 38, Bklyn	Rotterdam
Mesaba	" 26	9.00 am.	W. 16th St., N. Y.	London
St. Louis	" 26	10.00 am.	W. 23rd St., N.Y'	Southampton
Duca d' Aosta	" 26	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Perugia	" 26	11.00 am.	Unioo Strs. Bklo.	Nap'l-Leghorn
Carmania	" 26	12.00 m	W. 14th St., N.Y.	Mad-Gib-Alg Gen-Nap-F'me
California	" 26	2.00 pm.	W. 24th St., N. Y.	Glasgow
Baltic	" 26	3.00 pm.	W. 21st St., N. Y.	Liverpool
Chicago	" 26	3.00 pm.	N. Y.	Havre
Caroline	" 26	3.00 pm.	N. Y.	Havre
Patris	" 28		—Brooklyn	Pir-Calamata Patras
Ryndam	" 29	10.00 am.	5th St., Hoboken	Rotterdam
Kronpr. Wilhelm	" 29	10.00 am.	3rd St., Hoboken	Bremen
Lazio	" 29		W. 34th St., N. Y.	Naples-Genoa
Mauretania	" 30	9.00 am.	W. 14th St., N.Y.	Liverpool
Kroonland	" 30	10.00 am.	W. 18th St., N.Y.	Antwerp
Romanic	" 30	12.00 m.	W. 21st St., N.Y.	Azores-Gib Naples-Genoa
Alice	" 30	1.00 pm.	Bush Dks, Bklyo	Nap-Pal-Tr'ste
Oceanic	" 30	3.00 pm.	W. 21st St., N.Y.	Southampton
La Bretagne	Dec. 1	3.00 pm.	N. Y.	Havre
Breslau	" 1	10.00 am.	3rd St., Hoboken	Bremen
C. F. Tietgen	" 1	2.00 pm.	17th St. Hobokeo	Copenhagen
New York	" 3	10.00 am.	W. 23rd St., N.Y.	Southampton
Furnessia	" 3	10.00 am.	W. 24th St., N.Y'	Glasgow
Batavia	" 3	10.00 am.	3rd St., Hoboken	Hamburg
Mionewaska	" 3	10.30 am.	W. 16th St., N.Y.	London
Koenig Albert	" 3	11.00 am.	3rd St., Hoboken	Gib-Algiers Naples-Genoa.
Celtic	" 3	12.00 m.	W. 21st St., N.Y.	Liverpool
Carpathia	" 3	12.00 m.	W. 14th St., N.Y.	Gib-Nap-Geno Trieste-Fiume
Madonna	" 3		31st St., Bklyn	Naples-Mars.
From Boston				
Ivernia	Nov. 22		B&A Dks, E.Bos.	Liverpool
Devonian	" 23	3.00 pm.	B&A Dks, E.Bos.	Liverpool
Lancastrian	" 25	6.00 am.	B & M Dks. Char	Londoo
Cymric	" 29	9.00 am.	B & M Dks. Char	Liverpool
Lazio	Dec. 1		Clyde St., E.Bos	Naples-Genoa
Georgian	" 2	11.00 am.	B& M Dks, Char	London
Philadelphia				
Merioo	Nov. 19	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 25	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 26		24 No. Wharves	Glasgow
Friesland	" 26	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Nippon Maru	Nov. 22	1.00 pm.	1st Street	Honolulu
Siberia	" 29	1.00 pm.	1st Street	Japan
China	Dec. 6	1.00 pm.	1st Street	China



Window Decoration of Wm. Sievers, 330 Genesee St., Buffalo, for the Genesee St. Carnival

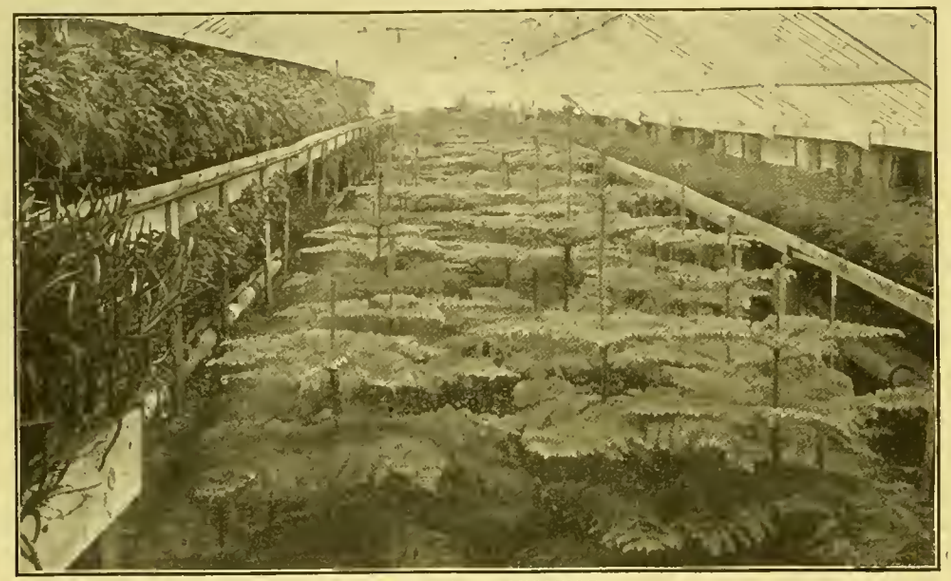
NOTICE! The Express Drivers' Strike is now a thing of the past. Have your mind on business now. Be wide awake, and

Prepare For The Holidays

It won't pay to leave others get ahead of you. Don't look as to what is behind you; go stralght forward. Make a break for Godfrey Aschmann's greenhouses, to the old reliable firm who always looks after your interests and protects the trade. We have no department stores for our customere.

We Sell Only to the Trade

If you have room, now is the time to purchase your supply, while the weather is mild and shipments can be made more safely and while we have a big stock at bargain prices.



HOUSE OF ARAUCARIAS

LEADER IN FERNS

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer. 5, 5½, 6, 7 in. pots at 35c., 40c., 50c., 75c. to $1.00 each. 1 doz. or over, same rates.

LEADER IN AZALEA INDICA

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

WE LEAD YOU INTO WEALTH

AZALEA INDICA

Owing to the wet and cold weather in Europe this Summer and the large demand this Fall for Azalea Indica for Europe and for exportation, Azaleas this Fall are very scarce, and therefore, prices have been greatly advanced. But in spite of that, I want all to know that I have just arrived with a large importation of Azaleas in all sizes and of all prices, the best well-known American varieties. My grower over there, with whom I have dealt for the last fifteen years, has put his 200-acre Azalea field at my disposal, from which I made my selection—the cream of his output.

Now is the time to force **AZALEA INDICA** for Christmas. What varieties you select to force for that purpose you can depend on to get in for Christmas.

Take my advice; take the well-known, early Christmas varieties: **DEUTSCHE PERLE** (double white); we have them at 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER**, well known to all, double pink, very scarce this year, 50c., 60c.,75c., $1.00, $1.25, $1.50, $1.75 to $2.00. **VERVAENEANA**, one of the oldest standard varieties, one of the best double variegated rose varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **APOLLO**, single bright red, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **MME. PETRICH**, double pink, one of the earliest of all; this variety is one of the scarcest this Fall in Europe (could get only 500 plants), 75c., $1.00, $1.25, $1.50 to $2.00 each.

EASTER VARIETIES

NIOBE (double white), 65c. and 75c. **SHREVERIANA**, double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00 **MME. VAN DER CRUYSSEN**, best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA**, and **EMPRESS OF INDIA**, double variegated, well known varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER**, 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS**, only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA**, white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN**, $1.00, $1.25 to $1.50. (As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 8-in. pots, 13c. to 15c.

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached the top of the pole, and there we are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES.

LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 60c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you the best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA**, a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 35c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each. Combination Plants, 6-7 in. pots, three plants in a pot, 25 to 30 in. high, $1.25; 30 to 35 in. high, $1.50.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 5 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 5c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston**, extra good value, 5½, 6 and 7 in. pots, 25c., 40c., 50c., 75c. each. Special to close out; **Whitmani** and **Scottii**, 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100; 3-in., $5.00 per 100.

ADIANTUM Hybridum, 2½-in. 5c.; 3-in., 8c.; 4-in., 10c.; 6-in. pans (3 plants) 25c. per pan

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 16c.; 6-in., in bloom, 25c. to 35c.

FICUS Elastica, 5¼, 5½ to 6-in. pots, 25c. 40c., 50c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.

HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Christmas.

JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.

DRACAENA Bruanti, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 36 in. high, 50c.

LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.

SHASTA DAISIES (pure white), 2½ in. pots, $3.00 per 100.

CHRISTMAS OR ORNAMENTAL PEPPERS, 6½-in. pots, 20c., 25c.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

The Modern Lover

Yes, my dear, I'm very modern,
New inventions are my forte;
Seedless Apples, horseless carts, and
Wireless phones have my support.

You demand a modern lover?
I can prove I'm it by this:
For the days preceding Christmas
I've a Mistletoe-less kiss.

—*Judge.*

Syracuse, N. Y.

The most costly lot of funeral designs ever observed in this city were seen at the funeral, on Wednesday, of Lyman C. Smith, head of the great typewriter plant, and many other corporations in this State and Seattle. Orchids, Valley, Violets, and American Beauty Roses were lavishly used. Quinlan and Morris had the lion's share of the work, still the other florists had a good share, Mr. Smith being a good and popular man among all classes.

A fire occurred in P. R. Quinlan's workroom connected with his Salina st. store; fortunately, it happened in the daytime and was put out with slight damage; spontaneous combustion is given as the cause.

It is reported that we are soon to have a wholesale commission flower house here. I have not learned where it is to be located. Whether it will prove a paying venture remains to be seen; to make it so, every uptodate method must be used.

Weather conditions continue very bad, no sun, but plenty of snow, rain and slush.

H. Y.

Auburn, N. Y.

All the florists here are very much pleased with the way the Fall trade has opened. Their October trade was by far the largest they have ever had.

W. Edmonds keeps moving up, and has made some very good improvements in his houses. He hopes next year to tear down some more and build modern houses. All the stock is particularly good. The large blocks of Primulas and Cinerarias are the best I have seen this season. 'Mums sell well, and are doing fine.

The many friends of Joe Elletson will be glad to know that he still enjoys good health and takes just as keen interest in his nursery business as ever. His specialty is fine evergreens, of which he has a splendid assortment.

Dobbs & Son's extensive houses are in fine shape, the large Carnation house especially so; the whole stock is a good healthy lot, throwing up lots of buds and blooms. The varieties most largely grown are Beacon, Victory, Rose Pink Enchantress, Mrs. Lawson, White Perfection, Lady Bountiful, Apple Bloom, and most of the new varieties are being tried. 'Mums are well done. Single Violets are being tried and promise well. The firm expects to build another large house next year, as their trade is steadily increasing. The grounds around the new house have been very tastefully laid out and made attractive.

At the City View Greenhouses, Howard S. Morgan, manager, single Violets are largely grown and they are doing well, giving lots of flowers. Sweet Peas, too, are a specialty, but great difficulty is found in keeping the slugs and wood lice from them. The old Perle des Jardins Roses are wonderfully good, and throwing up splendid shoots and flowers.

George T. Clark has his new house completed and planted. It is 80 ft. by 40 ft. and uptodate in every particular, with concrete walls. He intends to build a similar house next year. The Carnations and Violets are very good; his double Violets are the best I have seen this season.

Alfred Patrick's place, as usual, is looking fine, everything in good shape. This year he is growing most of his 'Mums to sprays, finding a larger call for them. He is very pleased with some of the single varieties, especially Mrs. E. Beckett, an English variety, quite a large flower, with large yellow eye. One 100 ft. house is devoted entirely to Poinsettias in pots and pans, and they are a splendid lot. A block of Cyclamens are a grand lot; the beautiful markings on the leaves make them attractive without the flowers. Richmond Roses he has carried over for three years, and they are making grand breaks and giving lots of flowers. The Fern house is a picture of health. Two houses have been pulled down and remodeled this year, and two new houses are being built on the new place. The store on E. Genesee st. had a grand display of 'Mums in the windows.

H. Y.

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.

The color is the clear, deep pink so much in demand.

Rooted Cuttings ready December 15th.

$6.00 per 100. $50.00 per 1000.

Cottage Gardens Co. Inc. Queens, Long Island, New York

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

All the Leading Varieties

Ready January 1st

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.

QUIDNICK, R. I.

Anthony Post-Office

Please mention the Exchange when writing.

CARNATIONS

100,000 Rooted Cuttings, Strong, Healthy; Guaranteed.

PINK DELIGHT, DOROTHY GORDON, APPLE BLOSSOM, WANOKA, $6.00 per 100; $50.00 per 1000.

Unknown Parties—Cash or C. O. D.

Order now for early delivery.

By the way, have you ordered "RAINBOW," the coming Carnation? Awarded A. C. S. certificate at Pittsburgh. $12.00 per 100, $100.00 per 1000.

Orders booked now for January, 1912, delivery.

WANOKA GREENHOUSES,

BARNEVELD, N. Y.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO., 35-37 RANDOLPH STREET Room 302

A. T. PYFER, Manager CHICAGO, ILL.

Please mention the Exchange when writing.

THE

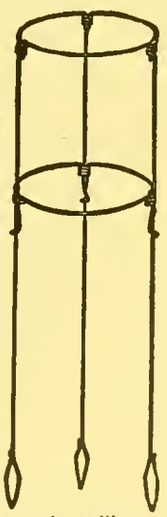
MODEL

Extension Carnation Support

Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire



IGOE BROS.

93-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

NEW CARNATION

"Princess Charming"

Certificates 1909, Pittsburgh, Baltimore, New York and Madison, N. J.

Enchantress color, longer and stiffer stem, stronger and harder calyx, remarkable lasting and shipping qualities; as much ahead of Enchantress as Enchantress was of Daybreak.

See it grow at Chas. H. Totty's, Madison, N. J., Chicago Carnation Co. and at our own place.

$12.00 per 100, $100.00 per 1000

January delivery. 250 at 1000 rate.

Descriptive Lists, in color, free on request.

"Christmas Cheer"

The Scarlet Pot-Carnation

$15.00 per 100, $125.00 per 1000.

February Delivery

H. EICHHOLZ

Originator

WAYNESBORO, PA.

Please mention the Exchange when writing.

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.

2-8 Duane Street, New York

The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Reliable Supplies for both Wholesale and Retail Florists

It Takes Little Effort To Get Samples of Pine Tree Ribbons

Yet samples will prove worth the effort—

The use of one piece will prove their extra value. These Ribbons are "strong" on brilliant lustre, silk value, clean weave, good blending shades and rock bottom prices.

Every day they are fresh from our Mill and are sold

DIRECT FROM OUR MILL TO YOU

A postal card brings samples of our Fall Florist line and Holiday Patterns.

THE PINE TREE SILK MILLS CO.

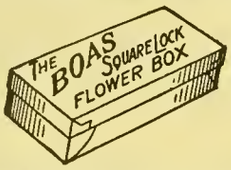
PHILADELPHIA, PA.

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

HENRY M. ROBINSON & CO.

Manufacturers and Importers of Florists' Supplies. Dealers in Hardy Cut Evergreens.



A Blessing to the Retail Florists from the House that cuts prices on best quality stock.

Violet and Green Tinfoil, Best Quality, 17c. per lb.
Plain Foil, 9c. per lb.
Imported Magnolia Leaves, $2.00 per hamper.
Boxwood Sprays, very best quality, 15c. per lb.
Best Quality Wild Smilax, $6.00 per 50-lb. case.

It will pay you to buy from us as you will save money on every article you buy.

Try us. We never disappoint.



Telephone: 2617--2618 Main. Fort Hill 25290.

15 Province St. & 9&15 Chapman Place, BOSTON, Mass.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS 75c. per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass. L. D. Phone Connection.

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX, 50-lb. cases, $6.00. Special price on large quantities when orders are given 10 days in advance.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.75 to $3.00 per doz.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.

Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplnga made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

THE EXCHANGE—Best Advertising Medium

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.



KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what **kind of cut flowers** you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Please mention the Exchange when writing.

Order of A. A. GIBBONS, Red Level, Ala.

YOUR WILD SMILAX

Wire or write your wants. Satisfaction guaranteed.

Please mention the Exchange when writing.

GEORGE COTSONAS & CO.

127 WEST 28th STREET

NEW YORK

Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE

56 Pine Street, NEW YORK

Please mention the Exchange when writing.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE

P. O. Box 1697, N. Y. CITY

Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

SIT UP AND TAKE NOTICE

The Florists' Supply House of America

You will want some of Our Novelties for Your Christmas Business. Why not order now, and have them in stock to be ready for your busy rush?

All the Newest Imperial China Ware. Many designs to choose from.

Ideal Oak Sprays in brown, green, and various colors, in short branches, in hampers, and in large sprays.

Beech Sprays, brown, green, red, cherry and leather color.

Ruscus, similar to Smilax, in red, green, and other fancy colors, for your Holiday Work.

Immortelle Wreaths, the kind that always sell. Our special deisgn of American Style is a taking one; the other style is closely wrapped on the French Style; all sizes in both styles.

Baskets, the Newest Creations, which surpass all other styles. Those with gold, and gold and silver mixed effects are pleasing sellers—try them; they are somewhat different in shape and material from other baskets.

Plenty of Other Good Supplies for you with your order.

OUR CATALOGUE COMES TO YOU ON REQUEST

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.



Table Decoration—Oncidium, Orchids, White Killarney Roses and Maiden Hair Ferns

50 lb. Cases WILD SMILAX At $1.75 Per Case

Direct from our shipping point, Pine Apple, Ala. When in need of Excellent Wild Smilax, telegraph or write.

HENRY M. ROBINSON & CO. Pine Apple, Ala.

The above price is only direct from shipping point. Your orders will be filled at a moment's notice. Satisfaction guaranteed. If you once try us you will always buy. To unknown customers, C. O. D. or cash with order.

Please mention the Exchange when writing.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DeLaMare Co. (Pubrs. F. E.) P. O. Box 1697, New York.

Holly and Mistletoe

Well Berried Leaves a dark, shiny green.

Place Holiday Orders now. Wholesale only.

Northern Supply Agent,

G. E. HOLT, Batavia, N.Y.

Please mention the Exchange when writing.

HOLLY

Direct from my woods, packed solid, well berried, dark foliage; size of case 2x2x4 feet.

HOLLY WREATHS, 14-in., $1.00 per doz.

Also, LAUREL ROPING and all kinds of Decorative Greens.

Cash with order.

J. SCLOSER, Delmar, Del.

Please mention the Exchange when writing.

Retail Notes

ALLIANCE, O.—O. A. Reisch, the well-known florist, has opened a salesroom at 29 South Arch ave.

BETHLEHEM, PA.—Franz Weiskopf, proprietor of the West Side greenhouse, has opened a florist store at 73 South Main st.

TORONTO, ONT.—An addition is being made to the building of the Archias Floral Co. at 106 East Main st. The addition, which will have a glass top, will serve as a conservatory for the keeping of flowers.

ATLANTA, GA.—Since the new management and ownership of the Atlanta Floral Co. took effect a few months ago, Borg & Erickson having purchased this business, many improvements have been made and new facilities have been added.

ARCOLA, ILL.—Edward Yeager of New York City, who has had a life-time experience in flowers, has been engaged by Mr. Denney, and they will run the florist business together. Mr. Yeager comes well recommended as a designer and uptodate decorator.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabaeh avenue.

SITUATIONS WANTED

SITUATION WANTED—By assistant in greenhouses, on December 1. Private place preferred. State full particulars in first letter to "H," Box 238, Fairfield, Conn.

SITUATION WANTED—By experienced greenhouse man for the Winter. New England or New York vicinity preferred. Address Q. A., care The Florists' Exchange.

SITUATION WANTED — By all-around greenhouse man. 25 years of age, single, 10 years' experience, references. State wages. Address S. K., 229 E. 60th St., N. Y. City.

SITUATION WANTED—By a young man, 25, practical experience in Roses, Carnations 'Mums, etc. State wages and particulars in first letter. Address Q. G., care The Florists' Exchange.

SITUATION WANTED—By storeman, now employed as designer, decorator and buyer; advertiser wishes to change position. Highest references. Address, P. A., care The Florists' Exchange.

SITUATION WANTED—By florist experienced in growing Christmas, Easter and Bedding Plants, 'Mums and Carnations. Best of references. Address, stating wages, Q. E., care The Florists' Exchange.

SITUATION WANTED—By married man; expert grower of cut flowers and Easter Plants; also good propagator. Position as foreman in charge preferred. References. Address Q. L., care The Florists' Exchange.

SITUATION WANTED—By German, 38, 24 years' experience in Carnations, 'Mums and general stock. Best of references. Able to take charge, if necessary. Address Frank Berns, 217 Sherman Ave., Newark, N. J.

SITUATION WANTED—By married man on commercial place in Long Island; advertiser understands growing of Easter plants, bedding plants and ferns. Quick potter and all-around man. Address Q. M., care The Florists' Exchange.

SEEDSMAN

Thoroughly competent general office man and correspondent, with some seed house and horticultural experience, wishes a position. Address Q. B., care The Florists' Exchange.

SITUATION WANTED—By assistant foreman on commercial or private place; good grower of Roses, Carnations, Christmas and Easter stock. Good worker. Address, stating wages and full particulars in first letter, Q. F., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 25, honest and sober, in Rose houses or on gentleman's place; willing worker. Advertiser has worked on large places. Good references from former employers. Address Q. I., care The Florists' Exchange.

SITUATION WANTED—Near Philadelphia, as propagator and foreman of greenhouses. Expert grower in perennials and ornamental nursery stock; also competent landscape gardener; 16 years' European and American experience. Address, P. G., care The Florists' Exchange.

SITUATION WANTED—By a practical man, life experience, well up in the cultivation of fruit, vegetables and plants under glass; good knowledge of landscape work, also growing of fruit and vegetables outside; handle men to good advantage. Well recommended; age 38; married. Address, John Thatcher, Chester, W. Va.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober, good worker. A first-class, all-around man. 25 years' experience in growing Roses, Carnations and Chrysanthemums; a good maker-up. First-class references from former and last employer. Please state particulars and wages in first letter. Address A. R., care Mr. Blasberg, 2155 Seventh Ave., New York City.

Continued to Next Column

SITUATIONS WANTED

SITUATION WANTED—By a thoroughly experienced florist and gardener-Scotchman, middle-aged, on private place. Life experience in Scotland and America. Address Q. H., care The Florists' Exchange.

HELP WANTED

WANTED—Young man; must be accustomed to grafting and able to take charge of this section. Answer, stating experience and salary expected, to Chas. H. Totty, Madison, N. J.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—An all-around greenhouse man, who is able to attend to boilers; must be sober and a willing worker; English language necessary. Salary $12.00 per week. Apply, giving references, to George McKensey, 116 Orange Road, Montclair, N. J.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—A very capable young man for a first-class flower store; he must absolutely know all branches of store work, be sober, honest and industrious. Apply, sending recommendation, to Henry Pfister, 1120 Connecticut Ave., Washington, D. C.

WANTED—Night fireman for steam plant, hours 6 to 6, to work with an assistant who takes care of temperature in houses. Wages, $60 per month. None but an experienced man wanted. Apply with references, Q. N., care The Florists' Exchange.

WANTED

Working foreman, greenhouse and perennials; must be first-class on Palms, Ferns, Bedding Stock, etc. Apply Q. O., care The Florists' Exchange.

WANTED—Florist, salesman and high-class maker-up; a man with thorough experience and the best of recommendation can find employment with a high-class New York florist; wages to start, $25.00 per week. Address, P. C., care The Florists' Exchange.

WANTED—A man of good appearance and capable of waiting on high class trade. Reference required. RANDOLPH & McCLEMENTS, Florists, Baum and Beatty Streets, Pittsburgh, Pa.

SEEDSMEN WANTED

A man to take full charge of the vegetable seed department; a thoroughly competent man. Also an assistant in the flower seed department. Address with full particulars and references. Q. K., care The Florists' Exchange.

WANTED—For a progressive private place, having modern conservatories, modern houses and gardens, situated in a large city, an educated, active, vigorous executive. Must be respectable, temperate and possess superior horticulture ability—a man of originality. Investigation as to character and professional attainments will be made. Liberal salary to right man. Address Q C., care The Florists' Exchange.

WANTED

Orchid Grower—Expert Orchid and stove house plant grower, capable of growing and handling a very fine and valuable collection of Orchids and stove house plants. Applicant must fully describe specialties grown and must furnish first class references from present and previous employers. Address

LOUIS BURK, GIRARD AVE. & THIRD ST., **Philadelphia, Pa.**

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Continued to next Column.

HELP WANTED

EXPERIENCED SEED CLERK WANTED

One that understands both wholesale and retail handling of Garden and Flower Seeds, and that has some experience with Farm Seeds. We have a good position for the right party. Do not apply unless you understand the Seed Business thoroughly. When writing, state salary expected. The position will be permanent to the right party. Give references.

Address:

OTTO SCHWILL & CO., 18 & 20 S. Front St. **MEMPHIS, TENN.**

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chryeanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of Yellow Ivory and White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK FOR SALE—Stock plants of Golden Glow, Monrovia, Early Snow, Halliday, Moneymaker, and others for sale or will exchange for Primula, Cyclamen, Cinerarias, Poinsettia, Stocks or Snapdragon.—S. B. Hoyt, New Canaan, Conn.

CHRYSANTHEMUM STOCK PLANTS—To be sent as soon as blooms are cut. Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jeroma Jones, $3.00 per 100; $25.00 per 1000. M. Donellan, Pres. Taft, Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Nell, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry H. Sunderbruch, 50c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

MISCELLANEOUS

ASPARAGUS SPRENGERI—500 2¼ and 2½ in. pots, $1.50 per hundred for lot. Cash. Queen City Floral Co., Manchester, N. H.

BERBERIS THUNBERGII—New clean seed, $1.50 per lb.; $6.50 per 5 lbs. Clematis Paniculata, $2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

PRIMULA OBCONICA—Pink, lavender and Baby Primroses, 2¼-in. pots, $1.80 per 100. Satisfaction guaranteed. Binghamton Seed Co., Binghamton, N. Y.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piersoni, 5 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

DAHLIAS, for Dealers, Seedsmen and Growers. 50,000 large clumps, up-to-date varieties, cheap, for Fall delivery. Cash with order. Send for prices and list. Northboro Dahlia and Gladioli Gardens, J. L. Moore, Prop., Northboro, Mass.

PRIMULA OBCONICA

In bud and bloom from 4-in. pots ready for 5-6-in. pots—strong—all colors—just right for Holidays, $8 per 100. Fred Holtke, corner Fifth and Broad sts., Carlstadt, N. J.

FERNS—Scottii, Boston, Whitmani, Elegantissima, clean, healthy plants, good color, grown in pots in frames: 5-in. pots or pans, $3.00 per doz., $25.00 per 100; 6-in. pots or pans, $4.50 per doz., $35.00 per 100; 8-in. pots or pans $1.00 each, $12.00 per doz. Cash please. Ley & Bickings, Good Hope, D. C.

STRONG FIELD GROWN CARNATION PLANTS

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Strong pot grown **ENGLISH IVY** Plants, 3 to 4 ft. high, $18.00 per 100. Cash with order.

HENRY RUDOLPH, Essex Fells, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $60.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in seperate colors, 3½-in. pots $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

STOCK FOR SALE

MISCELLANEOUS

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

ROOTED CUTTINGS to your order of: Ageratum blue, three varieties; Lobelia compacta; Coleus, 25 varieties; Cuphea, Thyme, German Ivy, Myosotis, 60 cents per 100. Marguerite Alexandra, Heliotrope (dark) Nurembergia, Gazania, $1.10 per 100. Vinca variegata, $1.50 per 100. All by mail. Several thousand Coleus and Ageratums, ready now; if taken at once 50 cents per 100, delivered by mail. Cash with order. A. B. Graves, 421 Bridge St., Northampton, Mass.

CINERARIA Stellata Plants

Fine, strong plants, out of 3-inch pots, finest varieties, **75c. per doz.; $5.00 per 100.**

Stumpp & Walter Co., 50 Barclay St. NEW YORK CITY

Asparagus Sprengeri

Strong 2½-inch pots, ready to shift $2.50 per 100, $22.50 per 1000

JACKSON & PERKINS CO.

Florists and Nurserymen, Wholesale only

NEWARK, Wayne County, NEW YORK

CYCLAMEN, 5-in., in bud, 25c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 5c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $25.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 5 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 5-6 in., 15c.-25c.

All above stock is A No. 1 and of large size.

Cash from parties unknown.

JOS. J. SOKOL, Westville, New Haven, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

FOR SALE OR RENT

FOR SALE—Well established retail seed store, location, Cleveland, O. Address, O. A., care The Florists' Exchange.

FOR SALE—Retail flower store in good location of New York City. Funeral designs a specialty. Good reasons for selling. Address, P. F., care of The Florists' Exchange.

FOR SALE—Old established retail flower store, doing a good business and located on one of the best streets in Providence, R. I., a city of 225,000 inhabitants. For particulars and reason for selling addresss W. B. H., 178 Mathewson St., Providence, R. I.

Greenhouse Property For Sale

Greenhouse property in city of Willimantic, Conn., must be sold at once, low price, very easy terms, 2½ acres of land, two dwelling houses, large barn, two large greenhouses. Come at once.

TRYON'S AGENCY, WILLIM NTIC, CONN.

Business For Sale

Must be sold before January, 1911. A growing wholesale and retail seed business in a city of 70,000 population. Terms to suit purchaser. Address P. O. Box 137, Utica, N. Y.

SUNDRIES FOR SALE

FOR SALE—300 feet of 2-in. wrought iron pipe, good threads and couplings, 5½c. per foot. G. Marti, Arlington, N. J.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

FOR SALE—One 3½ H. P. Mletz & Weiss kerosene engine with pumps attached. This engine can be used for pumping water or power purposes. Price, $125.00. Guaranteed. L. Gillis, 180 S. 9th Street, Brooklyn, N. Y.

FOR SALE—One 150 H. P. horizontal tubular boiler, dry pipe manhole front, guaranteed 100 lbs. steam, practically new, very cheap, as must be removed within the month. Loaded f.o.b. car for any point. M. Tomback & Co., 24 Avon Place, Newark, N. J.

AUTOMOBILISTS, ATTENTION.—Fur lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $36; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—200 boxes 16x20 glass, double thick, very cheap; also 6,000 ft. 2-in. pipe, like new; grooved bars 14 ft. long; ventilating apparatus, etc.; in fact, will sell houses 28x100 ft. long very cheap to be removed. This is an up-to-date plant consisting of four fine houses. M. Tomback & Co., 24 Avon Place, Newark, N. J.

FOR SALE—2000 feet of second hand 2½-inch galvanized pipe in good condition. Will be sold cheap for cash if the entire lot is taken. I. L. POWELL, Millbrook, New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 600 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap. I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—New 2-in. Wrought Black Pipe, delivered f. o. b. New York City, 9½ cents per foot. Bargain—send order quick. Have on hand about 4000 feet. R. C. VERNES, 175 Senator St., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED—Smoke-stack, 25 to 40 feet, iron or tile. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Floral store, or lease retail greenhouse with privilege to buy later. Immediate possession. Address Q. D., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 16 ft. and up, at 2.95c. per ft.

60,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.96c. per ft.

6,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 6.45c. per ft.

26,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.







DO YOU KNOW
ARMADILLO BASKETS

They Are The Most Unique And Best Selling Novelty Ever Produced

Fashioned with ingenious skill from the armor-like shell of that curious animal of Old Mexico, the Armadillo; they are at once the oddest, prettiest and most sought-for flower baskets ever shown in a Florist's window.

Also made with bright colored silk lining, a beautiful work-basket. Get this novelty, show it to your customers, and it will not only sell itself, but make much other trade for you.

Order Today. Satisfaction Guaranteed. Prices 60 cents and up. Descriptive Booklet Free.

CHAS. APELT Dealer in Texas and Mexican Curiosities **Comfort, Texas** (The Home of the Armadillo)

MY SPECIALTY IS THE WATER-PROOF PLANT BASKET

Please mention the Exchange when writing.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(126) **Cyp. Leeanum Affected.**—I send you leaves of C. Leeanum. The plants seemed, when I received them, to be affected with a disease like rust. The trouble has begun to spread to other Cyps. which I have, and the plants bought have grown worse and made no bloom. Will you please tell me what is wrong and give me a remedy? I have dusted all the Cyps. with dry Bordeaux mixture.—F., N. Y.

—After examining the leaves I find they are badly affected with red spider and thrip. The best remedy, I find, is a strong solution of Wilson Plant Oil. If the leaves are washed three or four times and then sprayed occasionally with a weaker solution of the above preparation you will finally get rid of the trouble.—J. A. MANDA.

(127) **Late Flowering Tulips.**—Please let me know the best late flowering Tulips to bloom Memorial Day in single and double, all colors. I want to plant them across the front and side of a veranda with a southern and eastern exposure; can plant about three rows of 10 ft. in length, and 4 rows of 15 ft. in length. How close shall I plant them?—F. W., Ohio.

—Among the best varieties of late flowering Tulips are, in singles: Bouton d'Or, Gesneriana spathulata and G. rosea, Golden Crown, Greigii, Picotee, La Merveille, Shandon Bells and White Queen; in doubles: Rosalind, Blue Flag, Rex Rubrorum and Yellow Rose. To these might be added the Darwin and Parrot varieties, either in separate colors or in mixtures. Plant about 4″ apart and 5″ deep. Close planting gives a much finer effect and prevents the blooms from breaking in the wind.

128) **To Keep Pumpkins.**—A customer asks me how to keep Pumpkins until Christmas. Can you tell us the best way?—L., N. Y.

—Store the Pumpkins in a dry, warm place, and they will easily keep until Christmas. With this treatment a Pumpkin can be kept almost or quite into the Spring season, if its rind has not been injured and it was matured when it was picked.

(129) **Chrysanthemums and Hydrangeas.**—Please advise me the cause of brown spots on the Chrysanthemum leaves enclosed, and the white spots on Hydrangea leaves, also remedy for same. The disease appeared on some of the Chrysanthemums in the greenhouse and on the Hydrangeas which were in big tubs outdoors over Summer.—A. B., Pa.

—The samples of Chrysanthemums are affected with the Chrysanthemum rust. We believe that this rust can be best controlled by care in watering. In bad cases Bordeaux mixture can be employed, or a spray of sulphide of potassium. The Hydrangea hortensis has some form of powdery mildew affecting it. This can be controlled also by application of Bordeaux mixture or other copper compounds.—Thomas B. Symonds, State Entomologist for Md.

HEATING QUERIES
Conducted by U. G. Scollay

Kindly inform me as to how many rows of pipe I require for a greenhouse, 80 x 18 ft., with a ¾ slant on the bars, and how much fall the pipe (4 in.) should have? I want the temperature to be about 50° to 55° in zero weather. G. E., N. J.

—To maintain the temperature you require it will be necessary to install seven lines of 4″ pipe. For a ¾ span house, place three under front bench and two under each of the others. Let the pipes grade upward from boiler not less than ¼″ in 9′; give more if you can.

I am building a house 32′ long by 7′ wide inside measurement, and 6′ deep on an average. I wish to know how many 1¼″ hot water pipes will be required to keep it to a temperature of 40° in zero weather, the pipes to go all around the frame; 3′ of the frame will be below the surface and double glass sash will be used with 5¾″ air space. The top of the boiler is level with the ground. Can I get circulation enough by having the pipes level with about half-way down the boiler; this will allow for about a 2′ drop on the return?—T. S., Conn.

—You will require six lines of 1¼″ x ¼″ pipe to heat this house to 40° in zero weather. Owing to the conditions of your boiler pit, I would suggest running a 1½″ main at as high a point as possible along the ridge of frame to the far end, and feed in two coils coming back of three 1¼″ pipes each. Give the coils as much grade as possible. Be sure and enter the return at the boiler with 1½″. My object in using a flow and return opening of this size, and also the main, is to help matters as regards the shallow boiler pit. If you could make the boiler pit deeper, you could get better results, for what is the use of putting an extra tax on nature.

Catalogs Received

SCOTT BROS., Elmsford Nurseries, Elmsford, N. Y.—List of Chrysanthemums for 1911, embracing ten varieties, fully described.

F. C. HEINEMANN, Erfurt, Germany.—Special Trade Offer of Novelties for 1911.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Haywsrd Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. MONOGRAM XMAS STATIONERY, three initials, if wanted, 50c. box. General printing. Samples free.

FRED. A. SOTTER, Douglassville, Pa Box 86L

Please mention the Exchange when writing.

SEASONABLE PLANTS

REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.
BOSTON FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.
PIERSONI FERNS, 4-in., 10c.
SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c. each.
DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 6-in., 20c. each.
ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.
CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

A. J. BRYAN, Washington, N. J.—Special Bargains in Plants for the Holidays.

J. M. THORBURN & CO., New York.—Preliminary Trade Price List of High-Class Seeds.

HENRY F. MICHELL CO., Philadelphia.—Preliminary Offer of Michell's Distinctive Seeds and Bulbs for Florists.

WATKINS & SIMPSON, London, W. C., England.—Season 1911, Recent Novelties and Specialties in Vegetable and Flower Seeds; also large illustrated Catalog of Special Offers of Flower Seeds.

PITTSBURGH CUT FLOWER CO., Pittsburgh, Pa.—A very handsome and well printed catalog of Florists' Supplies of every description, including Ribbons. Also statement of the firm's capacity in the production of Cut Flowers and facilities for delivery of same.

PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Orders booked for Fall Delivery.

We are also large growers of other Small Seeds. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
Ventura, California

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable in five colors including fringed varieties, well budded plants from 3-in. pots $7.00, from 4-in. pots $15.00, from 5-in. pots $25.00 per 100.

PRIMULA obconica grandiflora and **gigantea, Ronsdorfer** and **Lattman's Hybrids,** all colors, well grown stock, from 4-in. pots $10.00 per 100, from 5-in. pots $2.50 per doz., $20.00 per 100, in bud and bloom.

CINERARIAS Hybrida Maxima Grandiflora, no better strain, from 3-in. pots, $4.00 per 100. Satisfaction guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

20,000 PRIMROSES

Obconica, Gianta; Chinese, Large-flowering, Fringed, and **Kewensia,** the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant, 3-in. $4.00 per 100.

CINERARIAS. Large-flowering, 3-in. $3.50 per 100; 2-in., $2.00 per 100.

DRACAENA Indivisa, field-grown, strong, for 4-in. pots, $4.00 per 100.

These are well grown plants and will please you. Cash please.

J. W. MILLER, Shiremanstown, Pa.

Please mention the Exchange when writing.

Chinese and Obconica Primroses

Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. **PRIMULA Obconica,** 5-in., $10.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown; they are very fine and bushy, just loaded down with berries, $15.00 and $25.00	
DRACAENA Indivisa, field grown, 4 to 8 in. size....$8.00, $20.00 and	25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

DAISIES, white and yellow, 2½-in. pots, $2.00 per 100.

GERANIUMS, rooted cuttings, assorted varieties, $1.00 per 100.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

HYDRANGEA Otaksa, 3 to 4 buds, $10.00 per 100; 5 to 7 buds, $12.00 per 100; 8 to 10 buds, $15.00 per 100.

HYDRANGEAS, Otaksa and **Thomas Hogg,** grown in 4-in. pots, $1.00 per dozen.

JERUSALEM CHERRIES, 6-in. pots, full of berries, 20c. each.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 13 varieties, mixed, fine plants, $5.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $6.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 5-6-7 in. pots, **Boston, Scottii** and **Whitmani, Elegantissima,** etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including **Little Beauty** and **Storm King,** $2.50 per 100.
GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.
An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

HARDY PLANT BARGAINS

400 Clumps **PEONIES, Double Varieties, Mixed Colors,** 3 to 5 eyes, $3.00 per 100.
400 **IRIS, Mme. Chereau,** $3.00 per 100.
400 **IRIS, Florentina Alba,** $3.00 per 100.
500 **FUNKIA VARIEGATA (Quaker's Pride),** 3 to 5 eyes, $5.00 per 100.
200 **HEMEROCALLIS THUNBERGII (Lemon Lily),** $5.00 per 100.
100 **HARDY FALL-BLOOMING WHITE CHRYSANTHEMUMS,** $3.00 per 100.

J. R. BAUMANN, Rahway, N. J.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

Smilax Plants

Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.

R. KILBOURN, Clinton, N. Y.

Please mention the Exchange when writing.

ROOTED CUTTINGS

PETUNIAS, Dreer's Superb. Double Fringed, the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

S. A. Nutt, La Favorite, Mme. Buchner, at $1.50 per 1000.
Poitevine at $14.00 per 1000.
Viaud, La Favorite, Buchner, S. A. Nutt, Tiffany, Doyle, Poitevine, Ricard, etc., from 2-in. pots, $2.00 per 100, $18.00 per 1000.

D. R. HERRON, Olean, N. Y.

Please mention the Exchange when writing.

Detroit

Weddings and funerals, receptions and coming-out parties keep stock moving briskly and make every florist still more cheerful.

Inclement weather in the Fern country has stopped the Michigan Cut Flower Exchange from putting away any more Ferns, but what they have, more than five millions, are certainly of excellent quality.

John Breitmeyer's Sons have added a Bagster car to their regular delivery outfit. This gives them now two motor cars, one large plant wagon, and last but not least, Harry Breitmeyer's roadster, which is very effective on a pinch, besides three delivery boys.

Miss Clara Rauss, who started for herself at the Standard Drug Store a few weeks ago, is again working for Breitmeyers. The prevailing high wholesale prices prevented her gathering up business in a profitable way.

Jas. Taylor of Mt. Clemens expects to open a store at Woodward and Forest aves.

Henry Truck, for about 15 years private gardener at Jos. Berry's, died Nov. 7, at Hot Springs, Ark. His great success as Orchid grower caused Mr. Berry to gather the largest and most valuable Orchid collection in the West. With the death of Mr. Berry some three years ago, this hobby died also, and Mr. Truck, who already was suffering from diabetes, went to Europe for relief. Returning somewhat better in health he engaged in landscape gardening, but the old disease returning, he went to Hot Springs about three months ago, where finally he became a victim to his suffering.

Mr. Unger, the horticulturist at the local public parks, thoroughly understands the purposes of such an institution, and the needs of the florist and the public. To help them all he has now in the Horticultural building over 3000 potted 'Mums staged, and individually and collectively they are a lot to be proud of. The general public show their appreciation of this treat, and it is with difficulty only that the crowds coming afoot and in autos are accommodated. FRANK DANZER.

Hartford, Conn.

Wallace Thompson of West Hartford has started a new venture. He has a house 250 ft. long in which are planted Pink and White Killarney Roses of grand quality. His Carnations are looking very good and he is meeting with great success with Violets, of which he has made a specialty.

Owing to the funeral, November 7, of Phil. Corbin, head of the American Hardware Co. of New Britain, Conn., all the florists in this section were very busy and Roses, 'Mums, and, in fact, every kind of stock sold at good prices.

Axel Hallgren, Parkville, formerly with the Whiting Greenhouses of West Hartford, is cutting some fine 'Mums. His Carnations are about the best to be had in this section, and his Palms, etc., are all in very fine condition. Axel is certainly a hustler.

John Coombs is always busy, both at the store and the greenhouses. He is building a Palm house, 150 ft. long, with benches of concrete. His Pope-Hartford covered truck was in a collision Saturday with another truck, with the result that

GERANIUMS

ROOTED CUTTINGS

Cheaper than the cheapest. Good as the best.

S. A. Nutt	$11.50 per 1000
Poitevine	14.00 per 1000
Ricard	14.00 per 1000

All sold until December. Expect to have about 75,000 ready week of December 12. To be sure of December delivery better get your order placed now.

COLEUS

As fine a collection as any in the world, can furnish them by the 100,000 in season, now if you want them.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.

Terms cash.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

FINE 2-INCH STOCK, 25,000 S. A. Nutt, at $2.00 per 100; $18.50 per 1000. **Cash with order.** Send for catalogue of standard sorts and Novelties.

A. D. ROOT, Wooster, Ohio.

Please mention the Exchange when writing.

50,000 Geraniums. Not trees, but good short stocky plants cool grown. First 10,000, 2¼-in. pots, to be booked for January, 1911, delivery, at **$15.00** per 1000, in lots as follows: 250 S. A. Nutt, 250 Buchner, 100 Castellane, 100 Ricard, 100 Poitevine.

Rose and **Lemon Geraniums, Salvia Bonfire, Heliotropes, Swainsona Alba, Fuchsias COLEUS Golden Bedder** and **Verschaffeltii.** All 2¼-in. pots, at **$15.00** per 1000; 250 at the above rate. Cash with order.

P. J. SCHRODER, Chapin Greenhouses, **PINE BROOK, N. J.**

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

Nutt, Buchner, Viaud, Doyle, Jaulin and **Grant,** $10.00 per 1000. **Ricard, Poitevine** and **Castellane,** $12.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

BUCHNER, $1.00 per 100, $10.00 per 1000.
FEVERFEW, $1.00 per 100.
COLEUS, 2-in. pots, $1.50 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Geraniums

Rooted Cuttings, **Ricard, Poitevine, Viaud** and **Doyle,** $12.00 per 1000. **Nutt** and **Buchner,** $10.00 per 1000.

Cash with order.

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Rooted cuttings. **S. A. Nutt, Ricard, Buchner,** $10.00 per 1000. Extra strong transplanted **Nutt, Ricard, Buchner, Doyle, Montemarte, Jaulin,** $1.50 per 100, $12.00 per 1000. 2 inch **Nutt** and **Buchner,** $1.75 per 100, $14.00 per 1000.

COLEUS, rooted cuttings, fine clean stock, $4.00 per 1000; transplanted, $6.00 per 1000. **Verschaffeltii** and **Victoria** only.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

A Few Good Things You Want

HELIOTROPE, BLUE. Rooted Cuttings, $1.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 6-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

FERNS

BOSTON — SCOTTII — WHITMANI

4-in. 15c., 5-in. 35c., 6-in. 50c.,
7-in. 75c., 8-in. $1.00

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $66.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 6 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in.,, 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and **Sprengeri,** 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

This Letter from a Customer in Texas

"The Ferns arrived in A1 condition, and I certainly appreciate your kindness and promptness in shipping same, also for extras. You will hear from me again when in need of anything."

This letter referred to a large box of our

Table Ferns

Both our plants and packing will please you equally as well. The stock was never in finer condition. **HOLLY FERNS, ASPIDIUM, PTERIS in variety, including Wilsoni,** etc.

Fine bushy plants, 2-in. pots, $3 per 100.

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 6 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

Asparagus Sprengeri

Strong 2½-inch pots, ready to shift $2.50 per 100, $22.50 per 1000

JACKSON & PERKINS CO.
Florists and Nurserymen, Wholesale only
NEWARK, Wayne County, NEW YORK

Please mention the Exchange when writing.

the Coombs' truck is out of commission, the lamps, cranking handle and radiator having been smashed. The driver, Tom Custin, blames the accident on the driver of the other truck. Miss Sadie Coombs, who was on the seat with Custin, suffered a little from shock but otherwise was unhurt.

Spear & McManus Co. have a new auto truck made by the New Departure Co. of Bristol, Conn. The body is of the covered top model, enameled a rich purple with oval shields, lettered in gold, and bears the trade-mark of the firm.

Frank Richardson of East Hartford reports plenty of funeral work; Frank is very popular over East.

A familiar figure on the streets on pleasant days is Chas. Muncell. Although Charlie has not been well for a few years past, having retired owing to ill health, he looks as spicy as most men, in spite of his 75 years.

E. S. Drake of the Cedar Hill Greenhouses is cutting some fine 'Mums. His Carnations are a little backward, but will be ready by Thanksgiving, and he reports his Lorraine Begonias the best he ever grew.

Olie C. Scoville has caught the matrimonial fever and is to be married on November 16 to Miss Mildred Minor of Bristol, Conn. Mr. Scoville has been employed at the Cedar Hill Greenhouses for some time.

Carl Peterson, mgr. of the Whiting Greenhouses, West Hartford, reports 'Mums behind hand, but says the best ones are coming fairly well. He is cutting some very fine Richmond, Killarney, Bride and other Roses, and his Carnations have never looked better. The Palm house is in good shape, and the Boston Ferns, Crotons, etc., are being made ready for the Christmas trade. Carl certainly knows how to raise good stock.

George G. McClunie of Main st., reports funeral work as being plentiful in the past week. He says people are "dying to meet him."

Chas. K. Swanson of Elmwood has a new man, Alfred Jillson, from New Jersey, who is making quite an impression on his place.

Frank Ranney and Thos. Ganity are working for John Brodrib of Cone st.

Kenneth French, formerly of the Linden Florist Co., has accepted a position outside of the trade, as he has concluded that the florist business is not all pie, and Frenchy loves pie.

Gus. De Flong's store in the Linden Building looks in good shape. Gus says trade never was better. G. G. McC.

Worcester, Mass.

Business was fair during the past week. Funeral work has been the main source of disposal of cut stock. Chrysanthemums are bringing fancy prices; small ones are sold at $1.50 per dozen. There are plenty in the market and with the usual cuts of Carnations and Roses meet all demands.

The C. T. Sherer Co. is exhibiting the ear of Corn which won a prize of $500 for Edward Handell, Glastonbury, Conn., at the New England Corn Show. Mr. Handell bought the ear back at auction on Saturday night for $50. The seed which grew the Corn was bought from Howard N. Brewer, president of the New England Corn Show committee. E. D.

How She Kenw

"Will you have some fresh mushrooms?" asked the hostess, sweetly.

"Yes," faltered the guest, "if you're quite sure they're mushrooms, and not toadstools."

"Oh, I'm quite sure," replied the hostess, "I opened the can myself."—Detroit Free Press.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business-Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Asparagus Sprengeri

2½-in pots, $2.25 per 100.

MIGNONETTE, Machet, new crop, selected seed; pkt. 15c., oz. 60c.

GIANT PANSY finest mixed, 2000 seeds, 50c.; ¼-oz. $1.00, ½-oz. $1.75, 1-oz., $3.00.

Cash with order.

LAKEREST GREENHOUSES
SHANDELEE, Sullivan County, N. Y.

Please mention the Exchange when writing.

FERNS

Bargain Prices to Make Room

I must have the Cutting Bench space now occupied by this stock, and to move it quickly have reduced prices as follows:

7-inch **Whitmani** ..reduced from 70c. to 50c.
6-inch **Whitmani** .. " " 50c. to 30c.
7-inch **Boston**..... " " 60c. to 40c.
6-inch **Boston**..... " " 40c. to 25c.

This is very fine stock. Try it. Cash with order or reference.

A. A. GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2½-inch pots, $30.00 per 1000

100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 6 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 250 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddelliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ASPARAGUS plumosus nanus (very fine stock), 2¼-in. pots, $3.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN
Short Hills, N. J.

Please mention the Exchange when writing.

ASSORTED FERNS
FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100, $56.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddelliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.

ASPARAGUS Plumosus, 2-in., $3.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS

	Bench	Pots
BOSTON, 5 inch	$0.20	$0.25
BOSTON, 6 inch	.25	.30
WHITMANI, 5 inch	.26	.30
WHITMANI, 6 inch	.30	.36
7 inch and 8 inch stock	50c. to 76c.	

These are surplus plants same as we are retailing in our store and are in fine condition. Perfectly healthy, excellent value and we are sure will please you.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

FERNS

Very Heavy Stock—All Pot Grown.

SCOTTII, 4-inch pots, $12.50 per 100; 6-inch pots, $35.00 per 100.

SCHOLZELI, very fine, 4-inch pots, $16.00 per 100.

TODEAOIDES, 4-in. pots, $12.50 per 100.

PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $3.00 per doz.

HENRY ENGLER
4651 Lancaster Ave., Philadelphia, Pa.

Please mention the Exchange when writing.

FERNS READY NOW

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, **Philadelphia, Pa.**
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

HYDRANGEAS and FERNS

ALL POT GROWN STOCK

Boston Ferns, 4 inch pots, $20.00 per 100.
Scottii Ferns, 4 inch pots, $25.00 per 100.
Hydrangeas, 4½ inch pots, $25.00 per 100.
Hydrangeas, 6 inch pots, $35.00 per 100.

Ferns are perfectly healthy and strong, plants ready for 6 inch pots. Hydrangeas are in fine condition for Easter Forcing, 4 to 6 strong shoots.

CASH W TH ORDER PLEASE

T. MALBRANC, = = Johnstown, Pa.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

A. L. YOUNG & CO.
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.



NEW YORK, Nov. 16.—The wholesale cut flower market today is disappointingly slow. The anticipation of an active market at this time on account of the Horse Show and other society and theater events, as well as the several Autumn athletic contests is not realized. Nevertheless, there is business enough so that prices are a little firmer and a shade higher in the case of some stock.

American Beauty Roses are not so plentiful today as on Monday; neither is the demand as large, consequently the prices remain unchanged. Specials are realizing 20c. to 25c. each; a few exceptionally choice blooms bringing 30c. each. No. 3 sells for 75c. to $1 per 100.

The supply of all other Roses is moderately abundant; the quality has improved, and the demand is sufficiently large so that lower grades are commanding somewhat better prices, as well as the high grade bloms. The top price on all Roses today is 6c. each, except My Maryland, which is selling for 8c., and Chatenay, which is bringing 10c. The lowest grade of blooms of all varieties of Roses brings from $1 to $2 per 100.

The Carnation situation is not bad; the supply is moderate, the demand somewhat better, and the quality very god. Top grade blooms bring 3c. each in general, but some novelties sell for 4c. each.

The Orchid supply is very short and much of it of only medium quality. The highest grade blooms of Cattleyas sell for 75c. each, Dendrobium Formosum for 40c. each, and Cypripediums at $1.50 to $1.75 per dozen. Gardenias are only in moderate supply, and there is a fair demand; the choicest blooms bring $3 per dozen, and a few extra choice blooms $4.

Lilies arrive moderately but still move slowly, although at a shade better price, $5 to $6 per 100. Lily of the Valley is coming in quite freely, but the demand uses it all easily, so far this week. The choicest blooms sell for $4 per 100.

Chrysanthemums today are very abundant, and of excellent quality, but they are not moving as well as expected. It is difficult to obtain more than $3 per dozen for blooms of splendid quality; in some cases $4 and $5 per dozen are asked for the cream of the market, but few buyers at those prices show up. The supply of Violets is not large, neither is the demand; the best blooms are bringing $1 per 100.

Of greens, Smilax seems to move slowest, and Asparagus plumosus to find most favor with buyers, while Adiantum ranks between the two in sales.

PHILADELPHIA, Nov. 14.—The cut flower market is showing considerable activity, and all stocks are moving more readily. This return of better days is largely attributable to an increasing demand, which is one of the most cheerful features of the change.

American Beauty Roses are coming in more freely and the demand scarcely keeps pace with the increasing supply, therefore there is no advance in price. Specials are selling today, generally for 25c. each, and a few of exceptional quality bring 30c. each; on the other hand, some are changing hands at 20c. each. The lowest grade of blooms brings from $5 to $8 per 100. My Maryland, pink and white Killarney and Richmond are coming in freely and are of improved quality. In pink Roses My Maryland seems to take the lead. Kaiserin shows signs of deterioration, and there is still room for improvement in Bride and Bridesmaid. Top grade Killarney, My Maryland, Kaiserin and Perle realize 8c. each; Richmond and Mrs. Jardine, 10c. each; Bride and Bridesmaid, 6c. each. The lowest grade blooms of all these bring no more than 2c. each. There is a fair demand for all Roses and they are moving more freely. Furthermore, it may be noted that there are now arriving a few exceptionally fine blooms of My Maryland, which are bringing as much as 12c. each.

The Carnation supply is plentiful, the demand more active, and prices higher. Top grade blooms sell for 3c. each. Some novelties, such as Mrs. C. W. Ward, realize 4c. each.

Orchids are very scarce, and the demand large enough so that the price has advanced to 75c. each for the best Cattleya blooms. The demand for Gardenias easily exhausts the moderate supply of blooms of improved quality, and the prices range from 20c. to 25c. each. A few very choice blooms are said to realize as high as $4 per dozen. Lilies are moving somewhat more freely. The increased demand uses up more closely the shortened supply. The best blooms are selling for $1.50 per dozen. Lily of the Valley is not at all plentiful, and the demand is active. Top grade blooms have reached the $5 mark.

Chrysanthemums continue to be the leading flowers in the market, and some very fine blooms are seen, such as white and yellow Eaton, Bonnaffon, Golden Wedding, Golden Chautauqua, Maud Dean and the two Chadwicks. The demand is large, and the price for the best blooms is $3 per dozen, with a tendency toward higher prices for choice blooms.

The Violet supply has diminished; the demand is more active and prices are higher; the best double blooms bring $1.25, and the singles, $1 per 100.

Adiantum and Asparagus are both selling more freely, but Smilax still moves sluggishly.

BOSTON, MASS, Nov. 15.—Business conditions have improved very much since our last report. The reason for improvement at times is hard to see, but the football games certainly influenced this betterment.

Large quantities of Roses and Carnations are being sent to market, but it is a pleasure to see how they have cleaned up. Chrysanthemums, which were selling a week ago at 75c. went as high as $2 per dozen. There are quantities of first-class 'Mums in the market. Bonnaffon, Dr. Enguehard, Timothy Eaton and Cullingfordi are in great abundance; some white Bonnaffon are selling well and are favorites.

Carnations have doubled up in price; the grades which sold last week for $1 per 100 are now going at $2, and, in some cases, higher.

Roses are selling well and are of fine quality. Violets are in good demand but rather scarce; they have sold as high as $1 per 100; fancy bunches higher.

Roman Hyacinths have made their appearance in small quantities. Paperwhites are becoming more plentiful. Lilies, mostly longiflorums, are of good quality and sell readily at 10c. to 12c. per flower. Lily of the Valley is plentiful but the demand is not equal to the supply.

Orchids were in demand and good prices were obtained for Cattleyas.

Mignonette is seen in small quantities. Stevia is being received in limited supply. Asparagus Sprengeri is in good demand and prices are good. Adiantum and Smilax are called for in steady demand. In fact, all green goods are of good quality and in demand.

Plant trade is improving from week to week, and there will be a good supply of flowering plants for Thanksgiving.

R. C.

CHICAGO, Nov. 15.—Market conditions are very encouraging, and business is increasing in all lines. The local trade is very heavy, as also are shipping orders, and all stock is moving more at quoted prices. American Beauty Roses are coming in fine, although at times there is a shortage in the medium and short grades. There is also a reported shortage with some firms in the supply of pink Roses, the demand being very heavy. All other Rose stock is plentiful and is disposed of readily.

Carnations are not overabundant, all available moving lively. There is a skirmish to fill orders for Enchantress. In the past few seasons there has been an over production of this variety, and many growers discarded it for other varieties. This season, consequently, there is not enough for the demand. Red varieties are also on the short side. All other varieties and colors are bringing from 2½c. each to 4c. for extra fancy.

'Mums are not in such profusion this week, and it is rumored that Thanksgiving will find the supply short, although it is likely that the growers are this week reserving some stock for the occasion. There is a reported shortage of medium-sized 'Mums at the present time.

Callas are making their appearance, and for first cut are exceptionally fine; they are bringing $12.50 per 100, but there is no quantity of them as yet. Harrisii Lilies are exceedingly scarce, and what are available are not of very good quality. Lily of the Valley is good, and is speedily cleaned up. Sweet Peas are increasing in quantity, although as yet the quality is nothing to boast of; the price ranges from 75c. to $1 per 100.

Cattleyas are arriving a little more plentifully and find an outcome at once. Gardenias are also receiving marked attention, with Violets more plentiful, fine stock and moving rapidly.

Greens in all lines are good and moving very satisfactorily. Taken all in all the market is now reaching the point where it will be at its height.

ST. LOUIS, Nov. 14.—Business last week, as reported by the retail florists was only fair. The West End florists had a few wedding decorations and dinner parties, while the South and North End florists were kept fairly busy with funeral work. The stores downtown say that transient trade and funeral work was rather slow. The commission market was in a fair state all week, with good consignments of all kinds of seasonable stock; and now that the flower show is over, more attention can be paid to store work. The commission men were selling stock last week at fairly good prices. There is an abundance of 'Mums in the market, that range in price from $1.50 to $3 per doz.; fancy Eatons and Golden Wedding bring top prices; small Ivory sell at from $1 to $2 per doz.; small white, in bunches of 25, sell well at 25c. per bunch. American Beauty Roses sell at $2.50 per doz. for long fancy; others from $1 to $2 per doz.; shorts, $3 to $6 per 100; smaller Roses from $3 to $8 per 100; Killarney and Maryland sell well. Carnations are not overplentiful just now and the top price is $2.50 per 100. The market cleaned up on Monday, Nov. 14, with Valley, best, at $4 per 100; Violets, 35c. to 50c. per 100; Lilies, $10 per 100, and they have a big demand. Everything in greens sold well and there is plenty of them.

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Flower Sales at Football Game

At the match between Yale and Princeton, Saturday, Nov. 12, at Princeton, N. J., we are informed: "The florists made out very well, thank you. There was only one note of sorrow in these shops. They had understocked. Long before noon the wondrous array of Violets and Chrysanthemums had found resting places on the coats of mothers, sisters and sweethearts. As high as 2c. apiece was paid for Violets, and the best Chrysanthemums brought 75c. The late arrivals would have paid double these figures had the florists been able to book their orders."

Fulton, N. Y.

Trade here is reported as being fairly good, despite the unfavorable weather conditions. 'Mums have sold much better this year than ever before.

G. W. Perkins is showing some very nice vases of cut 'Mums. His show house was very neat and tastily arranged with Primulas, Palms, Ferns, etc.

C. B. Wetherby has some very good pot plants of 'Mums, for which he finds a good demand. His show house was attractively arranged with Jerusalem Cherries, Palms, Ferns, etc.

The outlook for a large Thanksgiving trade is very good. H. Y.

SCHENECTADY, N. Y.—Fred Howe, who has conducted a florist establishment in this city for a number of years, has sold out to his son, A. C. Howe, who has been running the place a couple of years. The new proprietor will continue the business.

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Wholesale Prices of Cut Flowers, New York, Nov. 16, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	20.00 to 25.00
" extra	15.00 to 20.00
" No. 1	4.00 to 10.00
" No. 2	2.00 to 4.00
" No. 3	.75 to 1.00
Killarney	1.50 to 6.00
White Killarney	1.50 to 6.00
My Maryland	2.00 to 8.00
Richmond	1.00 to 6.00
Mme. Abel Chatenay	1.00 to 10.00
Kaiserin	.50 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 6.00
" extra	2.00 to 4.00
" No. 1	1.00 to 3.00
" No. 2	.50 to 1.50
Adiantum	.... to .50
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut stringe	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to 2.00
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Daisies	.50 to 1.00
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 1.00
Standard Varieties: White	1.00 to 2.00
Standard Varieties: Pinks	1.00 to 2.00
Standard Varieties: Red	1.00 to 2.00
Standard Varieties: Yel. & Var.	1.00 to 2.00
Fancy (The highest grades of Sta'd varieties): White	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Pinks	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Red	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	2.00 to 3.00
Novelties	.... to 4.00
Gardenias, per doz.	.75 to 3.00
Gladioli	.... to ....
Hydrangea	.... to ....
Lilies, Harrisii and Longi.	5.00 to 6.00
Lily of the Valley	1.00 to 4.00
Mignonette, per doz.	.25 to .75
Narcissus	.... to ....
Orchids, Cattleyas	40.00 to 75.00
Cypripediums, per doz.	1.50 to 1.75
Dendrobium Formosum.	25.00 to 40.00
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	.75 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.75 to 1.00
Tritoma	.... to ....
Tulips	.... to ....
Violets	.50 to 1.00

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New York

The strike of the drivers and helpers of the several express companies in New York and Jersey City came to an end on Monday of this week, and the companies are now both delivering and accepting express shipments. This return to normal conditions brings great relief to the wholesale cut flower dealers of this city, and to the growers who ship flowers to them, who had been greatly inconvenienced for several weeks and put to much expense and loss by the strike.

Among the visitors from New York City at the horticultural show at Yonkers last week were: A. T. Boddington, A. Rickards of Rickards Bros., C. McFaggart of W. E. Marshall & Co., J. B. McArdle of Vaughan's Seed Store, Lee Don and John Morrison of Weeber & Don, and E. W. Neubrand, secretary of the Tarrytown Horticultural Society.

The S. S. Pennock-Meehan Co., 109 West 28th st., is receiving white Lilac regularly, and another consignment of potted Gardenias has recently arrived.

Hession's Carnations are at M. C. Ford's promptly every morning at 7.30, strike or no strike, and for quality they are unexcelled. Some Appleton and white Eaton 'Mums from Oscar Boehler, West Hoboken, N. J., look very fine here.

The opening of the Hudson tube stations at 28th st. and Sixth ave. is a great advantage to the wholesale cut flower district, giving direct connection with Jersey City and Hoboken.

At Thomas Young's, 500 Fifth ave., was recently seen a very artistic window display of Cattleya labiata, Cypripedium insigne and Dendrobium Formosum blooms, arranged with pots of Adiantum Farleyense. A vase of the rare and beautiful Odontoglossum crispum occupied the foreground.

Charles Weiss & Sons, 127 West 28th st., are receiving some good Bonnaffon, Ivory and Dr. Enguehard 'Mums, which are meeting with a ready sale.

The deepest orange colored 'Mums noted anywhere this season are some good blooms of Mrs. Black, seen at Walter F. Sheridan's, 133 West 28th st.

A. Warendorff, 1193 Broadway, recently put up a floral piece of enormous size in the shape of a horseshoe, 10 ft. high, made up of American Beauty Roses and yellow and white 'Mums. This was presented by Mr. Hammerstein to Mlle. Emma Trentini on her opening night at the New York Theatre.

Kessler Bros, 136-138 West 28th st., are showing some fine Araucarias, and a very full line of large and small Ferns and vines suitable for inside window boxes.

The Growers' Cut Flower Co., 41 West 28th st., is receiving some remarkably fine Golden Wedding, Maud Dean and white and yellow Chadwick 'Mums from Jacob Hauck, Bloomfield, N. J.

George Ditzenberger, the Carnation and 'Mum grower, Woodcliffe Lake, N. J., is being congratulated as the only republican member elected to the Board of Councilmen of his town.

James E. Weir, who has been very seriously ill of bilious malarial fever, is now convalescing at his home at Jamesport, L. I.

George M. Stumpp, 58th st. and Fifth ave., is making a window display appropriate for the opening of the horse show. In a deep frame hanging in the back of the window, against a background of black, is a large white horse modeled in clay; a deep outer frame surrounds the inner one, and between the two, surrounding the inner one, on all sides are bouquets, one of Chatenay Roses, another of Cattleya labiata, and still others of Dendrobium Phalænopsis, Oncidiums tigrinum and splendidum. The foreground is flanked by tall vases of Vanda cærulea and Cypripedium Sanderæ. The display is unique and needs to be seen to be appreciated. The table decorations of yellow and white blooms arranged for Japanese effect at the ante-nuptial luncheon at the Plaza hotel, set for twenty-four guests, and given by Miss Alice Graham, of Greenwich, Conn., were by Stumpp, who will also furnish the decorations at the Graham-Carhart wedding on Nov. 23.

J. K. Allen, 106 West 28th st., is receiving a regular supply of Paperwhite Narcissus and white Roman Hyacinths, also some exceptionally fine blooms of Golden Eagle, Maud Dean, and Eaton 'Mums.

John Mallon of Brooklyn, who has been very seriously ill of pneumonia, has sufficiently recovered to get about again.

Utica, N. Y.

The Florists' Club held its annual flower show for members on Thursday evening, Nov. 10, at its rooms, with a very large attendance. Whether it was the flowers or the lunch which brought the boys out I am unable to say, but we feel satisfied that they were there and are sorry for those who remained at home, for they do not know what they missed. One had only to step into our rooms to imagine that he had been suddenly shifted from dreariest of November weather into a delightful Summer. There was a goodly number of exhibits, and they were well worth looking at. Brant Bros. had a very large display of all the leading 'Mums, which were of quality enough to be seen at any show in the country, some of the best ever seen in this city. They also made a big display of Carnations that were *par excellence*—enough said. Roses are a specialty with them; Bride, Bridesmaid, Killarney and My Maryland were just simply grand, good color, good stems, and all that could be asked for at this season of the year. The largest display was by Brant Bros. L. F. Goodwin of Clarks Mills made a fine display of Carnations and Ferns, filling one table. C. F. Seitzer showed a bunch of the old 'Mum, The Queen, and well done; it made one go back years ago, when not so many good ones were grown as today. Mr. Kilbourn of Clinton, N. Y., showed 'Mums and Smilax, both of good quality. W. K. Dobler showed a fine vase of Enchantress Carnations. J. J. Williams showed florists' supplies and design work. An interesting display of prize Chrysanthemums was made by A. N. Pierson of Cromwell, Conn., all the new varieties being displayed and some of the finest ever seen in Utica; they traveled well and were received in good condition; the flowers were remarkably large, well formed and richly colored.

J. M. Boden of Oneida, N. Y., showed good plants of Cyclamens and Lorraine Begonias. Mr. Grassell of Barneveld showed a fine vase of Carnations. The show at this season of the year is for members only and the flowers are mainly Chrysanthemums, Carnations and Roses. In February the Club will hold its annual banquet and flower show, to which invitations to friends of the members are issued, and usually some expert florist from outside the city is heard. Thanks are due to Harry Brant, of Brant Bros. for a fine orchestra of five pieces. Lunch was served by W. A. Rowlands and J. C. Spencer, in a generous way. We would like to see every member at the next meeting, as we have some very important business to attend to, and the banquet will have to be thought of; it is not any too early to begin, and the affair must be a success. Visitors at the show and meeting were: J. A. Graham, Little Falls; L. F. Goodwin, Clarks Mills; J. M. Boden, Oneida; R. Kilbourn, Clinton; Mr. Snell, Herkimer; E. A. Baker, Ilion; Mr. Hakes, Ilion; and Mr. Kipp, Rome.

Mr. Graham, Jr., of Canajoharie, N. Y., with Joe Frandt was in the city this week. He says business is good and they have a large stock of Lorraine Begonias on hand. He is also growing the new Begonia Glory of Cincinnati, and likes it very much. I believe he was an exhibitor at the Albany show.

QUIZ.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Nov. 14, 1910	Pittsburgh Nov. 14, 1910	NAMES AND VARIETIES	Boston Nov. 15, 1910	Detroit Nov. 14, 1910	Cincinnati Nov. 14 1910
to 25.00	25.00 to 35.00	Roses—A. Beauty, fancy—special	15.00 to 26.00	20.00 to 25.00	15.00 to 25.00
15.00 to 18.00	15.00 to 20.00	" extra	6.00 to 10.00	18.00 to 20.00	8.00 to 12.00
8.00 to 10.00	to 12.50	" No. 1	3.00 to 6.00	8.00 to 15.00	4.00 to 6.00
4.00 to 6.00	6.00 to 10.00	" No. 2	to	4.00 to 7.00	2.00 to 3.00
2.00 to 6.00	4.00 to 10.00	Killarney	2.00 to 8.00	3.00 to 10.00	2.00 to 6.00
2.00 to 6.00	4.00 to 10.00	White Killarney	2.00 to 8.00	3.00 to 8.00	2.00 to 6.00
2.00 to 6.00	4.00 to 8.00	Bride and Bridesmaid	2.00 to 4.00	3.00 to 6.00	2.00 to 6.00
to	to	Mrs. Jardine	to	to	to
to	4.00 to 10.00	My Maryland	2.00 to 8.00	3.00 to 8.00	2.00 to 5.00
2.00 to 6.00	4.00 to 10.00	Richmond	to	4.00 to 10.00	2.00 to 6.00
2.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 6.00	3.00 to 8.00	K. A. Victoria	2.00 to 8.00	4.00 to 10.00	to
to 1.00	1.00 to 1.50	Adiantum	.50 to 1.25	1.00 to 1.50	to
to 35.00	35.00 to 40.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	to 10.00
to 35.00	30.00 to 40.00	" Sprengeri, bunches	25.00 to 50.00	20.00 to 30.00	10.00 to 14.00
to	to	Bouvardia	to	to	to
to 12.50	to	Callas	to	to 12.50	to
to	to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	to	to
1.50 to 2.00	to 2.00	Standard Varieties: White	1.00 to 1.50	1.50 to 2.00	1.00 to 3.00
1.50 to 2.00	to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.50 to 2.00	1.00 to 3.00
1.50 to 2.00	to 2.00	Standard Varieties: Red	1.00 to 1.50	1.50 to 2.00	1.00 to 3.00
1.50 to 2.00	to 2.00	Standard Varieties: Yellow and var.	to	to	to
to 3.00	to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.00	2.00 to 3.00	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	1.00 to 2.00	2.00 to 3.00	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	1.00 to 2.00	2.00 to 3.00	to
to 3.00	to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	to	to	to
15.00 to 25.00	6.00 to 12.00	Chrysanthemums, ordinary	to	6.00 to 10.00	6.00 to 15.00
to	15.00 to 25.00	fancy	3.00 to 15.00	12.00 to 25.00	to
to	.50 to .75	Daisies	to	to	to
to .15	to .20	Ferns, bardy	to	to .15	to
to .10	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	10.00 to 12.00	to	to
to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	12.50 to 15.00	to
to 2.00	4.00 to 5.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00	2.00 to 5.00
to	to	Mignonette	2.00 to 4.00	4.00 to 6.00	to
50.00 to 75.00	to 75.00	Orchids—Cattleyas	25.00 to 40.00	to 50.00	to
to	to	Cypripediums	8.00 to 12.00	to	to
to	to	Dendrobiums	to	to	to
to 1.80	1.20 to 1.80	Smilax, (per doz. strings)	1.00 to 1.25	.50 to 1.80	to
to .75	to	Sweet Peas	.30 to .60	.50 to 1.00	to 1.00
.50 to .75	to	Violets, single	.50 to 1.00	.50 to 1.00	.30 to .75
.75 to 1.00	.75 to 1.00	Violets, double	to	.50 to 1.00	.30 to 1.00
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

All Cut Flowers in Season
Heller Bros.' Fine Beauties. Market Prices.
Boxwood, $7.50 per case of 50 pounds.
Leucothoe Sprays, 50c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.
E. G. GILLETT
131 East 3rd St., CINCINNATI, OHIO.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
MILWAUKEE, WIS.
Please mention the Exchange when writing.

Our Xmas Number
Will be Issued
On Saturday, December 10, 1910
Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

THE AMERICAN CARNATION By C. W. WARD
Price $3.50. Send for Sample Pages
A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

Boston

John W. Duncan's friends will be pleased to learn that he is getting along well in Spokane. In a letter to the writer he speaks in eulogistic terms of the fruits that are grown out there. He praises the exhibitions of fruits he has seen this year and says it would do the fruit men of Massachusetts much good to come to Spokane and see how they put up their exhibits. We believe just as Mr. Duncan does, that it would do them good to go around and see what is done in other States, and not be so conceited over the small exhibition that was held in the Mass. Hort. Society's hall last year.

Changes occur quickly in the flower business; last week one could hardly see a smile on the face of any one connected with it as trade was so very poor it discouraged almost every one. This week has changed for the better substantially and it is a pleasure to meet most of those connected with the trade with their smiling faces. This was an exceptionally good week, stocks were completely cleaned up on Friday and Saturday, a rather unusual happening when one thinks of all the 'Mums that are brought to the markets and wholesale houses at this period. What gave this impetus to business was the Harvard-Dartmouth football game. Immense crowds attend this game and most of the young men and young ladies must have flowers and there were at least ten thousand of them who bought; this means a large increase in sales. Hotel and table decorations have also given much business to the retail florist.

Growers say that Violets are not flowering as well as they usually do at this time of year. The reason given is that the plants did not make their natural growth during the recent dry Summer so that, now instead of flowering they are making growth.

Peter Hylen of Randolph is cutting some superb Dr. Enguehard; these are disposed of at the Boston Co-operative Market. When this pink 'Mum is grown well, as it is here, there are few can beat it in its shade.

White Bonnaffons of fine quality and in quantity are being sent to market this week by Norris Comley of Lexington. He has also at his stall in the Boston Co-operative Market some very fine plants of Cocos Weddelliana.

Robbin Bros. of Cambridgeport have a fine window display of specimen Chrysanthemums, and they are very busy now, reporting a good Fall trade.

Many growers are raising Sweet Peas this year. Some persons think there is a danger of an oversupply but this is a flower which is in demand by the public and, sold at a reasonable figure, there isn't much danger of an overproduction.

J. S. Manter, at the Boston Flower Exchange, is handling a new Rose which comes to him from the Exeter Rose Conservatories; it is called the White Chatenay. It is almost white but has a slight pink shade. It has the foliage of Chatenay and it is presumed that it is a sport thereof. It is a pleasing Rose and sells quickly.

Chrysanthemum Intensity and Cullingfordii are the best reds of this year. They were in fine demand this week. Cullingfordii is an old variety but holds its own; it is grand when grown with several flowers on a spray.

William Patterson of Wallaston is the first to bring Roman Hyacinths to market. They grow quantities of bulbs and have 400,000 in different kinds, principally Hyacinths, Talips and Daffodils. They have had a large cut of outdoor hardy 'Mums this Fall and they found the variety Brown Bessie one of the most profitable to grow.

Thomas Peglar, at the Boston Flower Exchange, is handling some fine Carnations from S. J. Goddard of Framingham. He has extra fine Sweet Peas which come to him from Pembroke of Beverly.

L. E. Small of Tewksbury is having a fine cut of Sweet Pea Christmas Cheer which meets a ready sale; the flowers are of good quality considering their earliness.

The Halifax Garden Co., Halifax, Mass., has 13 houses, 40 ft. by 300 ft.; half of them are devoted to vegetables, the others are given up to Carnations, Chrysanthemums and Sweet Peas. They are sending some good flowers of 'Mums and Carnations to the Boston Co-operative Market.

CHRYSANTHEMUMS

We will have an abundant supply of "Mums" of all grades for Thanksgiving Day

Maryland, Richmond, Killarney

We will have them in immense quantity and can fill all orders. Our top grades are considered the choicest stock coming to this market

POMPONS

Large assortment of all the choice varieties, $3.00 to $4.00 per dozen bunches.

BEAUTIES

You will find our price satisfactory if you consider the superior quality of our stock. Special prices on Fancy Beauties in quantity.

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

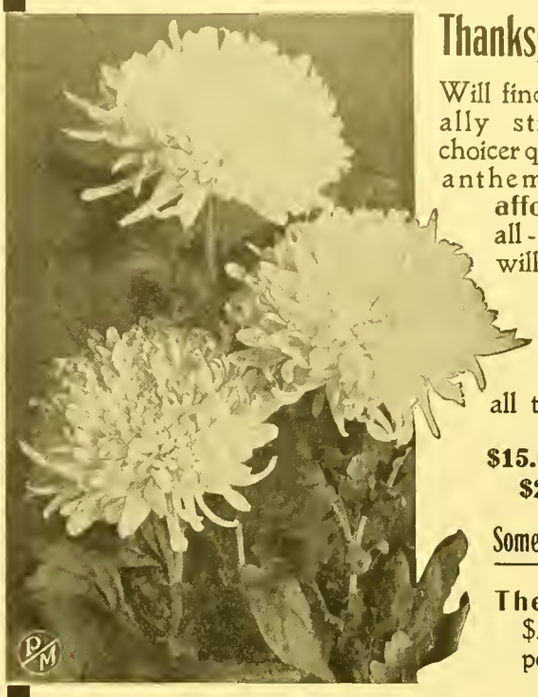
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Nov. 14, 1910	Buffalo Nov. 15, 1910	NAMES AND VARIETIES	Phil'delphia Nov. 14, 1910	St. Louis Nov. 14, 1910	
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	15.00 to 25.00	
15.00 to 20.00	12.50 to 15.00	" extra	20.00 to 25.00	10.00 to 15.00	
10.00 to 12.50	8.00 to 12.00	" No. 1	10.00 to 12.50	8.00 to 10.00	
6.00 to 8.00	3.00 to 4.00	" No. 2	5.00 to 8.00	— to —	
3.00 to 6.00	3.00 to 8.00	Killarney	2.00 to 8.00	3.00 to 6.00	
3.00 to 6.00	4.00 to 8.00	White Killarney	2.00 to 8.00	3.00 to 6.00	
3.00 to 4.00	3.00 to 8.00	Bride and Bridesmaid	2.00 to 6.00	to	
to	to	Mrs. Jardine	4.00 to 10.00	to	
3.00 to 6.00	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 5.00	
3.00 to 6.00	3.00 to 8.00	Richmond	3.00 to 10.00	3.00 to 6.00	
3.00 to 4.00	3.00 to 6.00	Perle	5.00 to 8.00	to	
3.00 to 5.00	to	Golden Gate	2.00 to 6.00	to	
3.00 to 5.00	4.00 to 8.00	K. A. Victoria	2.00 to 8.00	to	
to 1.00	.50 to 1.00	Adiantum	1.00 to 1.50	to	
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	35.00 to 50.00	to	
25.00 to 60.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	to	
to	to	Bouvardia	2.00 to 3.00	to	
8.00 to 10.00	10.00 to 12.00	Callas	8.00 to 10.00	to	
1.00 to 1.50	to	Carnations—Inferior grades, all colors	1.00 to 1.50	to	
2.00 to 2.50	2.00 to 2.50	Standard Varieties: White	1.50 to 2.00	2.50 to 3.00	
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Pink	1.50 to 2.00	2.50 to 3.00	
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Red	1.50 to 2.00	2.50 to 3.00	
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Yellow and var	to	to	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	2.00 to 3.00	to 3.00	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): Pink	2.00 to 3.00	to 3.00	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): Red	2.00 to 3.00	to	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var	2.00 to 3.00	to	
5.00 to 10.00	6.00 to 10.00	Chrysanthemums, ordinary	6.00 to 10.00	to	
15.00 to 25.00	12.50 to 20.00	" fancy	12.50 to 25.00	to	
to	to	Daisies	1.00 to 1.50	to	
.15 to .20	to .15	Ferns, hardy	.10 to .15	to	
to .10	to .15	Galax, green and bronze	to .10	to	
1.00 to 2.00	to	Gardenias, per doz	2.00 to 3.00	to	
to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	8.00 to 12.50	to	
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00	
to	2.00 to 4.00	Mignonette	to	to	
to	60.00 to 75.00	Orchids—Cattleyas	60.00 to 75.00	to	
to	10.00 to 15.00	Cypripediums	to 15.00	to	
to	to	Dendrobiums	40.00 to 50.00	to	
to 2.40	to 1.80	Smilax, (per doz. strings)	1.50 to 2.00	to	
.60 to .75	.50 to .75	Sweet Peas	.50 to .75	to	
to	to	Violets, single	.25 to 1.00	to	
.50 to .75	.60 to .75	" double	.75 to 1.25	to	
to	to		to	to	
to	to		to	to	
to	to		to	to	

CHRYSANTHEMUMS



Thanksgiving Week

Will find us exceptionally strong on the choicer quality of Chrysanthemums—**Bonnaffon**, that superb all-round handler, will be our leader and we will have them by the thousands; in three sizes, all the choicest:—

$15.00, $20.00 and $25.00 per 100.

Some Other Varieties, too

The 2 Eatons, $25.00 to $35.00 per 100.

The 2 Chadwicks, $30.00 to 40.00 per 100.

White Bonnaffon, Golden Wedding, Dean and many other Medium Varieties, $10.00, $12.00 and $15.00 per 100.

GARDENIAS, per dozen $3.00, very choice.

WE ARE NOW BOOKING ORDERS FOR ROBERT SCOTT & SON'S NEW ROSES

	Doz.	100	250	1000
Melody, own root	$6.00	$30.00	$70.00	$250.00
Double Killarney, own root	3.00	20.00		150.0

For grafted add $5.00 per hundred on Melody and $10.00 per hundred on Double Killarney. 2½-inch, March delivery.

PM QUALITY

S.S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

Philadelphia

The table display of some 25 or more varieties of specimen Crotons, the group of Ficus pandurata, with an edging of highly colored Dracæna terminalis, and the plants of Begonias Pride of Cincinnati, Lorraine and Lonsdale, staged for exhibition only the second day of the Pennsylvania Horticultural Society's show by the Robert Craig Co., attracted general attention and elicited much admiration. At its greenhouses this company is pushing the work on the Christmas plants. Among its recent callers were: George C. Boyd of Wilmington, Del.; John F. Horn, Allentown, Pa.; Charles Borkeller, So. Bethlehem, Pa.; George Allen, Princeton, N. J., and Conrad Hess, Baltimore, Md.

N. B. Gacher has opened a retail florist's store at 110 So. 16th st.

The Leo Niessen Co., 1209 Arch st., is receiving some very fine 24-in. stem Richmond, and 36-in. stem My Maryland Roses. The Mrs. C. W. Ward Carnations, of which they are receiving a steady supply, are leaders in the Carnation market as regards quality, popularity and the price which they command.

J. Murray Bassett, Hammonton, N. J., reports that he cut this year 150 per cent. more Dahlia blooms than in previous years, and that as he harvested his crop of roots before severe frost they are in excellent shape, having made a good growth during the Summer. On November 19 Mr. Bassett will open a retail florist's store in the new Ballard Building on Bellevue ave., Hammonton. The location is a good one, and the store itself will be uptodate.

C. A. Wood, vice-prest. of the Hammonton Dahlia Association, is spending the Winter in Florida.

The New Century Flower Shop has discontinued business at 1207 Market st.

A walk through the spacious store of H. Bayersdorfer & Co., 1129 Arch st., discloses to the visitor many surpassingly beautiful novelties in the florists' supply line. Among them are noted especially the exquisite forms of Imperial chinaware, in white and gold, the large line of different kinds of prepared leaves and sprays, but most of all the exceedingly pretty shapes of the novelty baskets, with a combination gold and silver finish. Recent callers on this company were: D. E. Gorman, Williamsport, Pa., and J. Murray Bassett, Hammonton, N. J.

Alfred Campbell, 1510 Sansom st., is receiving some exceptionally fine Golden Wedding 'Mums, also some good Mand Dean, Yellow Jones, and Bonnaffon. Mr. Campbell reminds us that the latter variety was put out by Smith in his World's Fair set in 1893, and named after Major Bonnaffon, afterwards colonel of the Third, Pa., Regiment, by request of Robert Craig, the personal friend of Major Bonnaffon.

The Philadelphia Cut Flower Co., 1517 Sansom st., is now handling some fine blooms of the Golden Chautauqua 'Mums, and is receiving a good cut of My Maryland, White Killarney and Bride Roses, Lily of the Valley and Orchids, from its own greenhouses at Morton, Pa.

Edward Reid of Ranstead st. is receiving some Sweet Peas of excellent quality from Levis of Clifton Heights, Pa. Some blooms of Minnie Bailey and Bonnaffon 'Mums seen at Reid's are among the best in the market. Mr. Reid, John W. McIntyre, and Philip Fullmer of Cardington, Pa., went to Buena, N. J., on a rabbit hunt Tuesday. The day was propitious, and reports of full bags are expected. It is well known that Mr. Reid is a champion shot.

The S. S. Pennock-Meehan Co., of Ludlow st., reports that business is much more active and that nearly all stocks are moving well. This company is now offering some remarkably good blooms of the two Eaton and two Chadwick 'Mums.

Charles Henry Fox, The Sign of the Rose, Broad st., florist, is showing a Chanticler window. In the background a very gay colored rooster is sitting on a genuine old post and rail fence, looking at several tastefully arranged baskets of pretty yellow and crimson hardy 'Mums. The display is both novel and effective.

On the second day of the exhibition of the Pennsylvania Horticultural Society, the following certificates were bestowed, which were not mentioned in our last issue:

To Robt. Scott & Son, Sharon Hill, Pa., for new Rose Melody, and for the new Rose Double Killarney; to Stockton & Howe, Princeton, N. J., for new Rose Princeton; to John W. Pepper, Jenkintown, Pa., Wm. Robertson, gdr., for a new Chrysathemum not yet named.

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

BATAVIA, ILL.—The Batavia Greenhouse Co. has increased its capital stock from $8,000 to $12,000.

Prices Advertised in these Columns are for THE TRADE ONLY

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers.
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Nov. 15, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	2.00 to	2.50
24-inch stems.. "	.... to	2.00
20-inch stems.. "	.... to	1.75
18-inch stems.. "	.... to	1.75
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	3.00 to	5.00
" extra	6.00 to	8.00
White Killarney	6.00 to	8.00
Richmond	4.00 to	8.00
My Maryland	4.00 to	5.00
Bride, Maid, fancy special	4.00 to	6.00
" extra	3.00 to	4.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	4.00 to	6.00
Chatenay	3.00 to	5.00
Kaiserin	3.00 to	8.00
Uncle John	3.00 to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Callas	.... to	12.50
Chrysanthemums, doz.	2.00 to	3.00
" fancy doz.	.... to	....
Daisies	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	2.00 to	2.50
Standard Varieties: Pink	2.00 to	2.50
Standard Varieties: Red	.... to	2.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	3.00 to	4.00
*Fancy: Pink	.... to	3.00
*Fancy: Red	.... to	3.00
*Fancy: Yel. and Var.	.... to	....
*The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	3.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	60.00 to	75.00
" Cypripediums	15.00 to	20.00
Paneies	.... to	....
Smilax	12.00 to	15.00
Sweet Peas	.75 to	1.00
	.... to	....
Violets, single	.50 to	.75
" double	.75 to	1.00
Gardenias	25.00 to	35.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

Chicago

The settled and continued cold weather of the past two weeks has meant much to all concerned in the flower trade. Stock has lessened considerably, the demand has increased, and the retailers all report a more active call for flowers than for many months back. Most of the retailers last week made grand window displays, principally of Chrysanthemums, as is usual in show week. Many of the principal department stores also displayed great quantities of 'Mums and American Beauty Roses, in fact one store used a large quantity of the Roses alone, with a flower show poster displayed in the midst of them.

While visitors from out of town were not numerous, the houses dealing in florists' supplies were kept busy filling orders for such as did come.

At a bazaar given, this week, by the Ladies' Auxiliary, bouquets of Scotch Heather were presented to all who attended. This Heather was consigned fresh from the hills of "Auld Scotland."

Monday and Tuesday, of this week, found many flowers utilized for the bazaar held for the benefit of the Home for Crippled Children, in Orchestral Hall. One room was arranged like a French garden, with lattice of Wild Smilax, and Bay trees, with small tables laden with all varieties of flowers for sale. Quantities of yellow and white Chrysanthemums were used in the arrangements.

Miss Melissa Dickinson, sister of Albest Dickinson, president of the Albert Dickinson Co., died suddenly, last Friday, at Orange City, Fla. The deceased was 71 years of age.

The Albert T. Hey Floral Co. of Maywood, Ill., has just added to its establishment a new propagating house, 169 ft. by 10 ft., and a small forcing house, 32 ft. by 10 ft. Mr. Hey expects to go extensively into growing cuttings of both Carnations and Roses the coming year. His houses of Boston and Whitmani Ferns are exceptionally fine. The company also reports a very lucrative business in the retail store connected with the greenhouses. Mr. Hey was very prominent at the flower show last week.

Probably one of the most effective window displays among the retailers last week was that of Harry Rowe. Interspersed with high plants of yellow 'Mums were high vases filled with the new preserved Palmetto, making a very appropriate and effective combination with the plants. Funeral work was very heavy at this store last week.

Another store that should not be passed over is Mangel's. While the windows were elaborate, the interior of the store was much more effective. The floor was strewn with Autumn leaves, and 'Mums, Roses, Carnations, Orchids and in fact every kind of flower available was displayed.

A. Lange had orders for two casket covers last week; one for the Barnard funeral comprised white Roses and Violets. On November 26 Mr. Lange has an elaborate decoration in the Venetian room of the Congress Hotel for the Klein wedding. The decoration will be mostly made up of white 'Mums, with a canopy of same. The bride will carry a bouquet of Lily of the Valley and white Orchids, and the bridesmaids will carry shepherd's crooks with showers of Sweet Peas. Mr. Lange had an unique order for a Hallowe'en party, covering 10 corsage bouquets of raisins and nuts, with wheat arranged for a shield. An order for one of the new marriage ring bouquets, made of Lily of the Valley and Orchids, with white Killarney ribbon, was received recently, and the piece shipped to Arkansas.

H. E. Philpott returned to Winnipeg on Thursday, having spent over three weeks in Chicago in the interests of the Florists' Club. At the recent show he was just as busy as ever in the conduct of the cut flower booth, of which he had charge.

John Risch, who has been ill with typhoid fever, is improving daily, and it is hoped he will be able to resume business before a great while.

The music at the Chicago Florists' Bowling Club's ball, held on November 11 in the Coliseum Annex, was furnished by B. Zima, a retail florist of 3053 W. 22nd st., who conducts an orchestra of five pieces. The music was extra fine and was enjoyed by all present.

Peter Reinberg and a party of eight are on a ten days' hunting trip to Duquoin, Ill.

The Chicago Carnation Co. captured nine firsts, five seconds and one third prize in various classes of Carnations at the show at Minneapolis last week.

John Starrett of the Hotel La Salle reports a large wedding decoration this week, on which there was no limit as to the outlay. The plant decorations in the hall where the florists held their banquet last Thursday night were in his charge, the wholesalers taking care of the table decorations.

Charles McKellar had a large shipping order for Cattleyas from Denver on Monday, which he filled nicely, notwithstanding the limited supply. The new crop of Cattleyas is coming in and some extra fine Cypripediums are also arriving.

Vaughan's Seed Store last week received a carload of Spiræa and three cars of Holland nursery stock. In the retail department the sales of bulb stock were very heavy in the past week, due undoubtedly to the sharp frosts we have had recently.

Plants of Biota aurea nana are selling remarkably well at Winterson's Seed Store. This conifer was on exhibition at the show, and many calls are being received in consequence.

Indianapolis

Basket Day at the flower show brought forth a number of good entries, much admired by the visitors.

The A. Pahud Co. was generally interested in the show displays and made a number of fancy groups.

The E. G. Hill Co. entertained a number of visitors to Indiana during the past week. Their new Roses are always a source of much attraction.

Bertermann Bros. Co. are sending out a very attractive booklet to their patrons.

The auction sale of plants at Tomlinson Hall was attended by a crowd, who bought everything left from the show.

The indications are for a livelier business from now until after Thanksgiving. There will not be more than enough Chrysanthemums to go around, as all the mid-season varieties have been disposed of.

The Indianapolis Traction & Terminal Co. is completiog a nice new show house at Fairview.

John Bertermann has returned from Chicago; the show there was a very fine one in many respects, he says.

Carl Hagenburger of W. Mentor, O., visited the local growers.

Mr. Schultz of Louisville expects to give an elaborate opening in his new store next week.

I. B.

Cincinnati

Business during the past week was better than its predecessor; more life in it. Chrysanthemums, I find, are not holding their own this season, and I hear such is the case all over the country; complaints are that people will no longer pay the prices for fancy grades. Carnations have been a little on the scarce side, and are now fetching two and three cents. Roses are moving better at two to five cents. American beauty are not quite so plentiful, still there are enough to supply all demands at one dollar per foot per dozen; this price will advance quite sharply for Thanksgiving.

We shall have a very fine supply of fancy Pompon Chrysanthemums for Thanksgiving, at one dollar per bunch; these are truly beautiful, being of the latest improved sorts.

Violets are beginning to be called for and sell readily. Sweet Peas have made their appearance and fetch $1 per 100; these come from John F. Nellist of Grand Rapids, Mich., who is an expert grower of them.

C. J. Ohmer is shipping some fine Asparagus plumosus to the writer which sells rapidly at 25c. per bunch; he reports that the recent hurricane which passed through that section of the country did not do as much damage as might have been expected with the wind whistling at 85 to 90 miles per hour, although he stated that the Oranges were ruined, the leaves being all blown from the trees, and considerable of the fruit; what fruit was left has now fallen off the trees; this will make the Florida Orange crop a complete loss in the districts in which the hurricane was at its worst. He states that the waves were running about four feet in front of his place, on Lake Worth, and the sea sank both his boats and tore away quite a portion of his dock but he recovered the lumber and his boats washed to shore. He noticed that after the storm had passed the leaves on the trees looked the same as they do in the North after a hard frost; it simply blew the life out of them. He now has about 19,000 plants which were not injured.

Chas. Dieterich was a caller on the 14th; he states that business is very good and that he has been enabled to use nearly all of his cut of Chrysanthemums for funerals, but he, like everyone else, says that society is doing very little, and it is only the funeral work which is keeping the florist's business alive.

The writer attended the Chrysanthemum show at Indianapolis, Nov. 11, and while the flowers were not as fresh as they had been the forepart of the week, yet they had a very creditable show. Tomlinson Hall was beautifully decorated, the music was fine and much appreciated by the attendants. I was grieved to hear that our old friend, Anthony Weigand, was indisposed. John Bertermann had gone to the Chicago show, but I had the pleasnre of shaking hands with the boys at the store, and passed a very pleasant half hour with them; they certainly have a beautiful store and do their business up to date. John Rieman was putting in a splendid front; he also has a pretty store.

Ed. Dennler of North Side celebrated his 21st birthday last Saturday.

E. G. GILLETT.

St. Louis

I. O. Kimble of Marshalltown, Ia., is visiting the trade here this week.

C. C. Sanders reports that he is now a grandfather; he received word from his son Walter, who lives in Texas, that a youngster was born.

John Held on Tennessee ave. is cutting a fine lot of Golden Wedding Chrysanthemums, which are handled by C. A. Kuehn.

The flower show closed on Saturday night, after being open five days, but, from what can be learned, it was not a financial success.

W. J. Pilcher of Kirkwood, Mo., introducer of the "Nazzura Violet," says he

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TRENTON, N. J.

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By the 100 prepaid.	100	1000
ENGLISH IVY	$1.00	$9.00
GERANIUMS, Nutt, Grant, Poitevine, Jaulin, Chas. Gervins, Montmort, Buchner, Ricard	1.25	10.00
GERMAN IVY	.50	4.00
HELIOTROPE	.75	6.50
LEMON VERBENA	.75	6.50
PANSY PLANTS, Kenilworth Strain	.50	3.00

CHARLES FROST, Kenilworth, N. J.

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Chrysanthemums

STRONG STOCK PLANTS.
Touset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).
75 cents per doz.; $1.00 per 100.

WM. SWAYNE, Kennett Square, Pa.

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Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $6.00 per 100.

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SEASONABLE PLANTS

	1000
PANSIES, fine, stocky plants	$3.50
FORGET-ME-NOT	3.00
DAISES, mammoth pink and white mixed	3.00

PETER WENK, OZONE PARK, (L. I.) N. Y.

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Wholesale Florist

Bloomsburg, Pa.

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ADVERTISERS ARE REMINDED THAT
CHRISTMAS STOCK
SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

expects to double the output this year. This Violet meets a big demand in the local market, where it is handled by W. C. Smith Wholesale Floral Co. Mr. Pilcher has not as yet sold any of the stock of this Violet.

The new Roses exhibited by the E. G. Hill Co. at our recent show—Rose Queen, seedling of Richmond, a beautiful pink scored 85 points, and Sunburst, a fine salmon color, scored 87 points—both should be good sellers.

W. J. & M. S. Vesey's consignments to this market are handled by Geo. H. Angermueller; their Roses and 'Mums are meeting a good demand in this market.

The Metropolitan Floral Co. showed some excellent workmanship in their made-up work at the flower show, displaying several blue ribbons as reward for their trouble. C. Young & Sons Co. were their only competitors; their work, too, was of the highest order and they also showed more blue ribbons than red ones. The competition in the floral work evoked very little interest among the retailers.

The Ladies' Home Circle will hold its regular monthly meeting tonight, Monday, Nov. 14, when the election of officers will be held. Miss Meinhardt, the secretary, reports that the ladies had a pleasant time at their theatre party and dinner, where they entertained all the visiting lady florists. The meeting tonight, she says, is a special one, and she looks for every member to be present on this occasion.

The Engelmann Botanical Club will hold its meeting tonight, Nov. 14, at the Missouri Botanical Garden at 8 p.m. An address, with illustrations, will be made by Dr. R. R. Gates of the Missouri Botanical Garden on "The Brussells International Botanical Congress." The Chrysanthemum show at the garden opens today and the members will attend it in a body after the meeting. This show has great drawing powers, as it is free to the public. 2000 plants in full bloom are being shown. ST. PATRICK.

Providence, R. I.

Business during the past week showed signs of improvement. Chrysanthemums are at their best and everything points to good trade for Thanksgiving.

A. M. Powell, Brook st., will open up his two new greenhouses in two weeks from now. It is his intention to grow a general line of bedding plants, with a few Roses and Carnations for retail trade.

John Macrae, Smith st., is at present bringing in the best Chrysanthemums of any grower around Providence; they are exceptionally fine.

Johnston Bros. have had an elegant display of Chrysanthemums in their show window, grown by John Macrae, who is also bringing in some extra choice Carnations.

T. Curley is cutting some choice 'Mums and Roses; he is also keeping his men busy planting bulbs and cleaning up lawns.

Eugene McCarren, Hope st., reports business good, with prospects for a fine trade for Thanksgiving.

Samuel Kinder, of S. Kinder & Bro., Bristol, was in town on Thursday. He reports business improving; they have still plenty of outside work.

The yellow Chrysanthemum, Col. D. Appleton, made a fine showing at the Chrysanthemum show as also did Reginald Vallis, pink. Among the single blooms shown were: Frank Payne, F. S. Vallis, Beatrice May, Clara Wells, Dorothy Goldsmith, Sadie Filkins, Cheltoni and J. C. Neil, all of which showed up finely.

J. A. Budlong & Son are cutting some extra choice Roses at present.

W. B. Hazzard, Mathewson st., reports business as very good during the past week, both in cut flowers and plants. He is cutting some extra fine Chrysanthemums and Carnations.

Visitors: James F. Mulcahy, representing N. F. McCarthy, Boston, Mass.; J. H. Cushing, Quidnick, R. I.; Fred. I. Vose, florist and nurseryman, Cumberland Hill, R. I.; Wm. J. Stewart, Boston, Mass.; Mr. Johnson, representing the Albert Dickinson Co., Chicago.

The Market

Roses: firsts, $6 to $8 per 100; seconds, $2 to $4; thirds, $1.50 to $2; American Beauty, $5 to $30 per 100. Carnations, $1 to $2 per 100. Violets, 35c. to 60c. per 100. Lily of the Valley, $3 to $4 per 100. Giganteum Lilies, $8 per 100. Orchids, $6 to $7.50 per doz. Gardenias, $3 per doz. Maidenhair Fern, $1 to $1.50 per 100. Asparagus, 25c. to 50c. bunch. H. C. N.

ASCHMANN BROS.

FLORISTS
SECOND and BRISTOL STS. and RISING SUN AVENUE, Philadelphia, Pa.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii, 5½-6-in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis, 6-in. 50c.; 7-in. 75c. each.
NEPHROLEPIS Whitmani, 4-in. 20c.; 5½-6-in., 40c. and 50c. each.
NEPHROLEPIS Scholzeli, 6-in., 50c. each; 4-in. 20c. each.
Our ferns are all pot-grown, fine bushy stock.
ADIANTUM Hybridum, 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus Nanus. 4-in., $8.00 per 100.
PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis, 4-in., $8.00 per 100.
KENTIA Belmoreana, 4-in., fine plants, 30c. each.
COCOS Weddelliana, 3-in., strong plants, 20c. each.
ARAUCARIA EXCELSA, 3-4-5 tiers 5½-in. pots, 50c, 60c. and 75c. each; fine plants, good value for the money
FICUS ELASTICA, Rubber Plants, 5½-in. pots, 35c. and 40c. each.
SOLANUM, Jerusalum Cherries, 5½-in. pots, 25c. and 35c. each; full of large berries.

Cash With Order Please.

Our greenhouses are located only four miles from the center of Philadelphia (Market St.) and we can ship promptly from any express office, freight line or steamship company.

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2-inch, $2.00 per 100; $16.00 per 1000.
2½-inch, $2.50 per 100; $22.00 per 1000.

These will make good 3¼ and 4-inch stock for Spring trade. Also field grown plants ready for 5 and 6-inch pots, 10 cents each.

CYCLAMEN, nicely budded, in 4-inch pots, $15.00 per 100.
ASPARAGUS SPRENGERI, 2½-inch, $2.50 per 100; 3-inch, $4.00 per 100.
ASPARAGUS PLUMOSUS, 1¾-inch, strong, $2.50 per 100; 2½-inch, $5.00 per 100.
FERNS, Scholzeli, Boston and Whitmani, fine plants in 4-inch pots, 20 cents each.
CINERARIAS, finest **Dwarf Strain,** from 2½-inch pots, $3.00 per 100.

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Chrysolora. Fine incurved yellow, Oct. 15 to Nov., C. S. A. Certificate.
Dick Witterstaetter. Bright crimson, fine midseason, C. S. A. Certificate.

We shall have several late ones of equal merit.

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Lenox. Incurved yellow, 9-in. in diameter, winner of Dreer special prize at Morristown for best American seedling.
Morristown. A very long-petaled rose-colored, 8½-in.
Tarrytown. A light salmon pink, 8½-in.
Poughkeepsie. An incurved creamy white, 8-in.
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We know by comparison there are no better exhibitions now in commerce.

MINTA. The new light pink Pompon. C. S. A. Certificate.
Complete description and prices on application.

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144 sheets . . . 3.50
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BY FAR THE CHEAPEST.

Just Note Prices!

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½ Gallon . . . 5.50
Gallon 10.50
5 Gallons . . . 47.25

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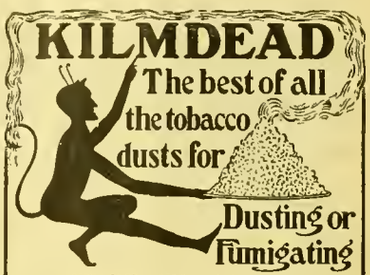

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Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2¼ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	5 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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KEYSTONE CEDAR PLANT TUBS.

	Diam.	bach.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	75	8.25	65.00
C	13¾ "	.85	9 35	75.00
D	14¾ "	1.00	11.00	90.00
E	15¾ "	1.25	13 75	110.00
F	16¾ "	1.50	16.50	130.00



Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
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Write us.
Try us.

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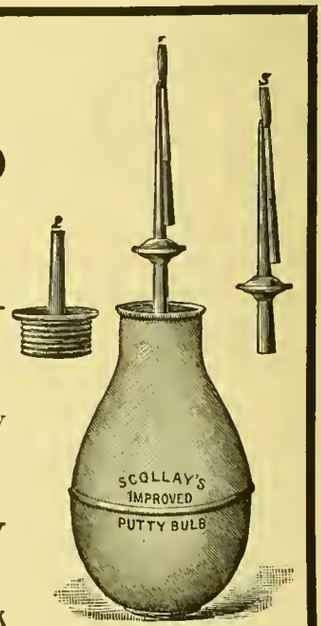

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Green Flies and Black ones too

are easy to kill with
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Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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Greenhouse Materials Furnished and Erected

IRON or WOOD SASH BARS

In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

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Write today for new circular

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Results are satisfactory. Many second and third orders.

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Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

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ALL SIZES

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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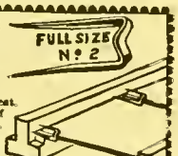
FULL SIZE No. 2



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Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

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For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

Fertilizers of all kinds at wholesale prices.

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London, Ont.

Business is good, both in retail and wholesale lines. 'Mums are a very good crop and of fair size. Carnations have been scarce but are coming in more plentifully. Roses are appearing in greater number and are of better quality. Funeral work has been plentiful of late and this has used up most of the small 'Mums. Violets and Callas are just beginning to appear.

Gammage & Sons are preparing a large stock of Azaleas, Cyclamen, Begonias, Poinsettias, etc., which will be in A 1 condition for the holiday trade. Bulbs have sold more freely this season than for several years past, Gammage & Sons report having been sold out several weeks ago. F. C.

Toledo, O.

The weather here has not been much to boast of these last weeks; it has been cold and chilly with little sun and business may have suffered by this. However, all our florists are satisfied.

Chrysanthemums for the time being take the lead as sellers and flowers are good and but little earlier than other years. There were many more grown this season but they move off nicely, nothing going to waste. Carnations are hardly middling and do not look as well as in former seasons. Roses are good and a nice quality of Violets is coming to hand from Rhinebeck. Pot plants, of which we have splendid examples in Primula Chinensis and Cyclamen, do not sell readily enough, being overshadowed by the Chrysanthemums.

The Chrysanthemum show held by our club, November 8, was a pleasant affair. Prices were offered of sufficient value to induce our growers to make special efforts and, while the number of exhibitors were smaller than other seasons, the quality was there just the same.

Harry Heinl coveted the big prize of $10 for the best six Chrysanthemums of one variety, with Dolly Dimple, a splendid flower of the Japanese type, extremely large, of a pale yellow, a fine exhibition variety. The competitor for this prize was George Bayer, with Major Bonnaffon, which were as good a half a dozen as such a successful grower can pick out of a lot of several thousand.

A prize was offered for the best flower of 1910 introduction; George Bayer showed Mrs. Wm. Wincott, Oroba and Elise Papworth; J. L. Schiller showed Elise Papworth. The prize was awarded for this latter, a fine big white. This variety is a good one and I think will be grown freely in future; it makes a fine commercial flower, has good stem and foliage, and seems easy to grow. Schiller showed also Mrs. W. E. Kelley, a variety which will certainly be grown largely though it might not be a good shipper; the flower is large and of a deep yellow color which takes the eye of everybody. It is easy to grow and can be strongly recommended. Emil Kuhnke exhibited Col. Appleton and Intensity; S. N. Peck staged Alice Byron, Intensity, Pres. Roosevelt, Baron Victor Reilley and Helen Frick. All flowers showed good cultivation.

The show was held in Mr. Peck's store and was only attended by the members of the Club and their ladies. Mrs. Peck served the entire company abundantly with coffee and cake, which was greatly appreciated.

The flowers which receive prizes went to the Club and were auctioned off for the benefit of the treasury; the highest price paid was $1.15 for one Dolly Dimple.

J. H. Siegrist has sold his greenhouses on Monroe and 20th st. to Timm & Wirz, two young fellows who want to try their luck, and who have the best wishes of all of us. The place is situated in a neighborhood which buys flowers and if they do not succeed it will be their own fault.

There will also be prizes awarded at the first meeting in December for the best grown plants of Cyclamen, Cineraria and Primula Chinensis. J. L. S.

Our Christmas Number will be issued December 10. We ask your patronage.



Please mention the Exchange when writing.

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

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PROTECTION

Of your plants from freezing. This can only be done by using a celebrated

LEHMAN WAGON HEATER



350,000 are in use by Florists, Horsemen, Doctors and Farmers. They burn Lehman Coal (from which there is no smoke or danger) at a cost of less than ½ cent per hour.

CAN YOU AFFORD TO BE WITHOUT ONE? BEWARE OF IMITATIONS.

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OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT

Write for Catalogue and Estimate when figuring on your new houses

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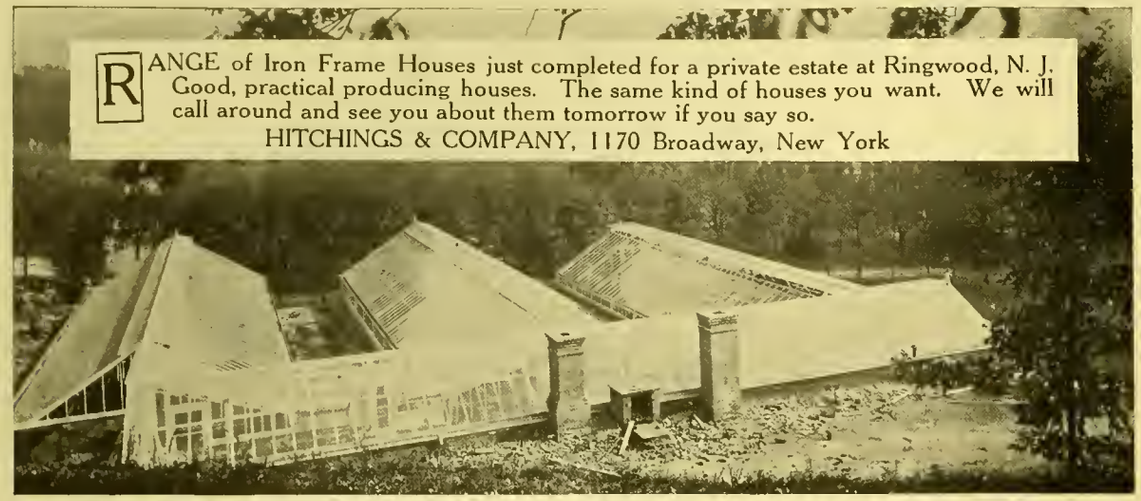

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Clear Gulf Cypress GREENHOUSE MATERIAL
Cut and Spliced Ready for Erection

Pecky Cypress for Benches
We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection
We carry the largest stock of
HOT-BED SASH
in the United States



GREENHOUSE GLASS
20,000 Bxs. in Stock At Wholesale

LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

OUR NEW
VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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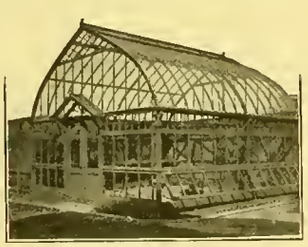

The Leading Firm on the Pacific Coast
CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

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Order at Once. We Can Ship Promptly
Louisiana Red Cypress Greenhouse Material
GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
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Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.
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GREENHOUSE BUILDER
HEATING AND VENTILATING
IDEAL GREENHOUSE BOILERS
Materials Furnished or Erected
576-580 Ocean Ave., JERSEY CITY, N. J.
Please mention the Exchange when writing.

Our Xmas Number
Will be Issued
On Saturday, December 10, 1910
Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Baltimore

Harry Ekas on Frederick road has improved his property by putting in a new concrete sidewalk reaching from the road to the house. Recently he also installed a new seven section Furman boiler, piped two houses complete, and built a new brick chimney. Mr. Ekas has four good sized houses well stocked; anyone would judge him a grower of experience; his 'Mums are a success, one variety, the new Onunda, white, a perfect beauty, bringing 50c. each. He is a grower of miscellaneous plants, mostly for market trade, and Mrs. Ekas deserves credit for disposing of the stock; her stall is always neat in appearance and she does a substantial business.

The bulb situation among the local seed houses has been satisfactory this year; stock is almost entirely sold out and, according to present indications, there will be no leftovers.

Last week Martin Lohr and Frank Fritzie went on a gunning trip to the woods and were rewarded with a half dozen rabbits. They are well known Rose growers and have a large range of houses at Athol Heights, Frederick road.

George Morrison, president of the G. & F. Club, was seen tramping over his fields last week with a double barrel shot gun as though he was looking for game; he certainly has the location, a dense wood is on the place, and no doubt he brought a good many rabbits home.

John Williams is cutting a fine lot of outside 'Mums. His Roses are somewhat affected with mildew, otherwise his houses are in good condition. He is located at Ruxton, Md.

C. B. Hoffman, Arlington, Md., was a visitor at the Halethorpe meet to see the aviators.

John Oler of Rogers ave., Arlington, Md., has two houses of 'Mums and makes two trips a day to town. He has one 'Mum bearing white blooms instead of pink; in another section it is coming in its true color, pink.

William Keir, Pikesville, Md., has a fine local trade and keeps his help on the go; at present he is planting outside beds for Spring with bulbous stock.

D. W. Babcock of Berlin, wholesale nurseryman, has worked about thirty years in the business, starting in for himself several years back. He has just issued his Trade Bargain List and it is expected he will exhibit at the Horticultural Society's coming show.

At this show Edward Carrington of Lorely, Baltimore county, will offer a silver cup for the best 10 ears of Corn of any variety grown in the county in 1910.

Philip B. Welsh of Glen Morris, Md., is rejoicing over a bouncing baby boy that came into his family last Thursday. Philip has the smile that won't come off; at the Club last Monday night the news was broken and he was congratulated accordingly.

A petition has been started in Lexington by some of the retailers who stand in market to do away with those who stand there other than the regular market days. It is quite a proposition; some claim that it injures business by standing every day, and that those who only stand there three days in the week do not get the benefit. It is a question of what constitutes market hours; some come to market as early as seven o'clock in the morning and stay until a late hour at night, while others come at eight and stay until two and four o'clock, excepting Saturdays. The writer was informed that these were the market hours in Lexington; on Tuesdays and Fridays from eight a.m. until eleven; on Saturdays from four p.m. to ten-thirty. The result will be seen later.

Horticultural Show Notes

The show will open at Fifth Regt. Armory, Nov. 28, and close Dec. 2. On Wednesday, Nov. 30, a banquet will be held in the hall, tickets $1. The Fifth Regt. band will entertain the visitors as well as those attending the banquet. The display of fruits and flowers and the Corn Breeders' Assn. exhibit will be a large affair.

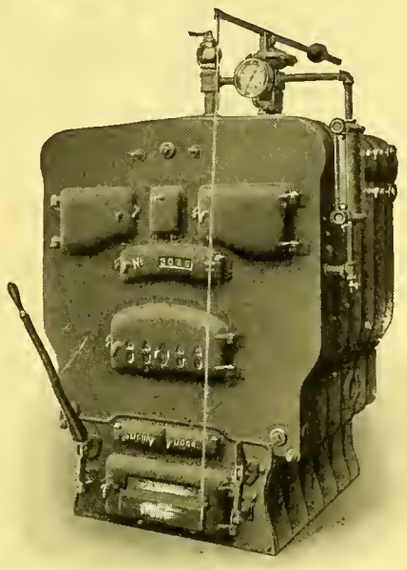
The Park Board will make an elaborate display, using 64x90 ft. of floor space under the supervision of James Boone. Trade displays will be on a large scale, including the Vegetable tables of the local seed houses here.

Thousands of programs are being distributed among the public and local firms are sending out announcements of the coming show. It is expected that some novelties in flowers will be seen from out of town.

President Richard Vincent, Jr., has invited the governor and the mayor to be

METROPOLITAN MATERIAL CO.

1398-1408 METROPOLITAN AVE., BROOKLYN, N. Y.



ALL SIZES OF

Hot Water and Steam Boilers

carried in stock ready for shipment. Send for catalogue and prices. We have a few more Second Hand Boilers left.

New and Second Hand **PIPE**

Any quantity, or cut to sketch.

New Fittings and Tools

At prices paid for old.

A Large Stock New and Old

Single Light Double Light

Hot-Bed Sash

Hot-Bed Frames

Clear Louisiana Gulf Cypress

Greenhouse Material

GLASS in lots of 50 boxes or over at car load prices.



Send for printed matter describing our Sash, Ventilating Apparatus, Bench and Greenhouse Fittings.

Please mention the Exchange when writing.

on hand, and no doubt they will be guests as both are interested in the Society.

The Market Outlook

Business about the same as reported last week: good, with stock not over plentiful and moving nicely.

It is known that many débutantes are looked for this season, thus meaning much to the florists. Flowers are more popular this year; all kinds are to be seen on the street in their season; at present the Chrysanthemum is the most popular worn.

'Mums are slacking up somewhat but moving steadily; all colors are selling well excepting some grades of pink varieties. Carnations are not so plentiful but sell well; good stock fetches 2½c., other grades cheaper. Roses are not over abundant and are having good calls. Callas are making their appearance. Ferns are still heavy in supply and sell cheaply. the market is well stocked. Bulbous stock is on the way and will soon be on the market, especially Paperwhites. Greens are in good supply. J. L. T.

Kalamazoo, Mich.

The wedding of a popular young couple caused a little ripple of business and the death of a well known citizen also aided somewhat to tide over the last week or so. Business still remains on the quiet side and is likely to stay so until Thanksgiving. 'Mums are rapidly on the wane, but Roses, Carnations and Violets are in ample supply and Sweet Peas promise abundant crops in a short time. These latter have come along rapidly the past three years until now they are regarded as quite as staple a crop as Violets or Carnations.

For many years past the Van Bochove Bros. have made additions to the plant on Rose Hill, this year's contribution reaching 30,000 ft. or more, the main part of which is of three houses, 30x300 ft., which are specially interesting on account of their being the first iron-guttered and trussed-roofed greenhouses in the city. They present a very spacious effect and appear to be durable and rigid; from the appearance of the stock growing in them they will, no doubt, give the firm most satisfactory results.

Stock, generally speaking, is in excellent condition all over the place and the outlook for large cuts at the holidays is good. Roses are in prime condition and special mention should be made of the Am. Beauty and Killarney Roses, although fine blocks of Richmond and Bridesmaid were in evidence. This department is in charge of Mr. Toos and reflects great credit on him.

The balance of the plant is still under the charge of Mr. Westveer, who has been with the firm many years, and John still keeps his reputation as a plantsman and grower of great ability. The 'Mums are nearing their end now and Thanksgiving will see their finish. The old standbys were largely grown and produced fine flowers of good size and substance. Sweet Peas and Violets are now in abundant supply and promise well for a long season. Easter Lilies they have in constant bloom the year round and potted plants of all kinds by the thousand. I should not omit to mention a large stock of Chinese Primulas which show that this old time favorite still remains a good seller.

Carnations are, of course, grown by the acre here and, to quote a couple of examples, 9000 White Perfection and nearly the same number of Enchantress may be seen in a single block. Many new varieties are on trial and some look like winners. Lawson is still grown in number as is Victory and Beacon. The condition of the stock is excellent and the Van Bochove Bros. will, no doubt, keep their reputation for sending out fine stock this season as usual.

John R. Van Bochove exercises a general supervision over the growing and mechanical part of the houses and, at the time of my visit, was busily engaged in setting up a new steam pump to take care of the condensation, so the honors were done by Mr. Westveer, to whom I am indebted for the pleasant visit and information accorded. S. B.

New Bedford, Mass.

Business the past week has been fairly good. Flowers are quite plentiful. 'Mums have the whole deck to themselves as yet but, by Thanksgiving, will have shortened off; $1.50, $2 and $2.50 per doz. retail, are the general prices, a few specials realizing $3. Roses retail at $1.25 to $1.50 per doz. Carnations are in good supply and some fine flowers are coming in, these retail at 50c. per doz. Violets retail at $1 per 100. Sweet Peas at $1. Some nice Snapdragon bring 75c. per doz., both pink and white. Candytuft helps out a lot on design work.

The uptown stores are all making attractive window displays with the Queen of Autumn flowers, Palms, Ferns, etc.

R. H. Woodhouse is cutting heavily of his big 'Mums; he sent last week to Boston parties two retail orders of 50 each of the big fellows at $3 per doz.

Steady firing is now the rule; everything is frozen up out-of-doors. We are having fine weather here and prospects point to a good crop of flowers here for Thanksgiving. HORTICO.

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

KING GREENHOUSES

Stand the test of wind and storm as well as of time. They are designed to do it taking into account all the conditions.
When a man knows his greenhouse will stand, he is at liberty to put all his time and thought into growing things, and that is what he wants to do.
Send for bulletins.

KING CONSTRUCTION CO.

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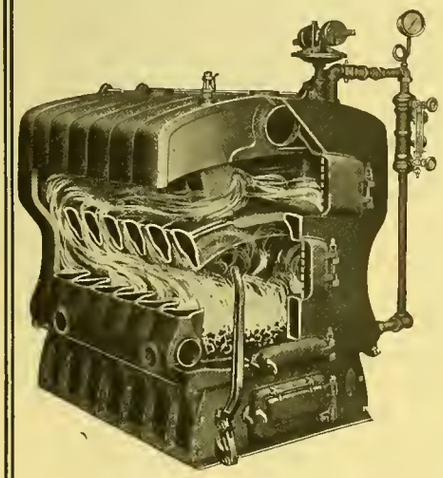
THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."
For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

JOHN C. MONINGER CO.
CHICAGO
906 Blackhawk Street

Please mention the Exchange when writing.



Erected for Mr. C. T. Newbury, Taunton, Mass.

CURVILINEAR EXAMPLES

YOU can say what you have a mind to, but when it gets right down to facts, the curvilinear is the showy house of them all. Yes, it's even more ornamental than the curved eave type. Of course, a lot of them have been put up with wrong roof curve, but don't let that influence you against the kind we put up with their beautiful roof lines and splendid Iron Frame Construction.
Why don't you send for an approximate price on the 50-foot, two compartment one at the top? It's certainly a fine house.



Erected for Sir Montague Allen, Montreal, Canada

LORD AND BURNHAM COMPANY
IRVINGTON, N. Y.

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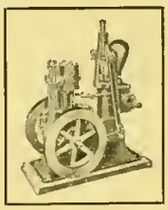

NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.
Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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JOHN A. PAYNE

Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

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ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.
To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

THE AMERICAN CARNATION PRICE $3.50
A.T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N.Y.

GLASS

Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St.

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A. HERRMANN

Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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GLASS

Repair Season Here
We Have the Stock
Before buying write us for prices

SHARP, PARTRIDGE & CO.
Long Distance Phone Canal 880
CHICAGO, ILL.

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Prices Advertised for the Trade Only

The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 22 NEW YORK AND CHICAGO, NOVEMBER 26, 1910 One Dollar Per Year

Amherst MASS

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value; plants that will please the most critical buyers both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, $20.00 per 100; 6-in., $6.00 per doz.; large specimens in 12-in. pans, $3.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, $25.00 per 100; 6-in. pans, $6.00 per doz.

Nephrolepis superbissima Very distinct and popular. Fine plants, 6-in. pans, $6.00 per doz.

Nephrolepis Scholzeli Fine plants, 3½-in. pots, $20.00 per 100; 6-in. pans, $6.00 per doz.; 8-in. pans, $12.00 per doz.

Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per doz.

Nephrolepis Scottii 8-in. pans, $12.00 per doz.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cytomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

For Special Offer of BULBS, see page 953.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

6-inch pans, strong bushy plants.....$0.50 each, $6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants..... 1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE

5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50, $2.00 and $2.50 each.

ADIANTUM CROWEANUM
4-inch pots, $15.00 per 100.

COCOS WEDDELLIANA
3-inch pots, $15.00 per 100.

FICUS PANDURATA
6-inch pots, $1.00 each.

JERUSALEM CHERRIES
Short, stocky plants, $2.50 per doz., $20.00 per 100.

GARDENIAS
4-inch pots, $25.00 per 100; 6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS
5-inch pots, 75c. each, $9.00 per dozen
6-inch pots, $1.00 each, $12.00 per dozen

BEGONIAS GLOIRE DE LORRAINE

4-inch pots ..... $30.00 per 100, $250.00 per 1000.
5 inch pots..... .....50c each; 6 inch pots.....75c and $1.00 each.

ASPARAGUS SPRENGERI
2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS
2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

2000 HYDRANGEAS

3-inch pots, $5.00 per 100.

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AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$7.00	$50.00
10- to 12-inch crown	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Bulb Surplus

		Per 100	Per 1000
2500	**Victoria Narcissus**, double crown	$1.25	$11.00
4000	**Victoria Narcissus**, single crown	.80	7.00
1000	**Poeticus Ornatus**	.75	6.50
1000	**Princeps**	.80	7.00
1000	**Golden Spur**, large size	2.00	18.00
4000	**Murillo Tulips**	1.25	10.00
800	**Proserpine Tulips**	2.00	18.50
800	**Vermilion Brilliant Tulips**	2.25	20.00
500	**Tournesol Tulips**	1.60	15.00
9000	**Spanish Iris**, 5 varieties	.40	3.50

HYDRANGEA OTAKSA

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case	$4.50	$40.00
7x 9, 300 to the case	8.00	70.00
9x10, 200 to the case	10.50	95.00

CASE LOT. AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

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GERANIUMS

We have an immense stock ready for shipping, in the best assortment of Standard Varieties there is in the country; **from 3-inch pots at $3.00 per 100, $25.00 per 1000; 2-inch pots at $2.00 per 100, $18.50 per 1000.**

We will send 1000, in 20 good distinct varieties, our selection, from 2 inch pots, for $18.50 cash. We have been sending out these collections for a number of years and stake our reputation on them.

Our New Illustrated Descriptive Geranium Catalogue is ready for distribution. If you fail to get one, write us; it is the Geranium Blue Book for 1911, and the finest publication of the kind ever gotten out, accurately describing over 400 varieties, including nearly 100 of the 1910 Novelties.

We are Headquarters for Geraniums, and invite a critical inspection of our stock.

See Florists' Exchange, issues of November 5th and 12th, for list of Assorted Plants.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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This Corner Is Worth Watching

	100	1000
CALLAS, 1½"-2"	$7.00	
LILIUM Candidum, 22 cm.	5.00	
Harrisii, 5-7	5.00	$45.00
Harrisii, 7-9	9.50	85.00
Harrisii, 9-11	20.00	
FREESIAS, Selected	.75	6.50
TULIPS, Artus, scarlet	1.00	9.00
Chrysolora, yellow	.75	6.50
Queen Victoria, white	.80	7.50
Yellow Prince, golden yellow	.85	7.50
WHITE ROMAN HYACINTHS, 11-12	2.25	20.00
12-15	2.75	24.50
13-15	3.00	28.50
BLUE ROMAN HYACINTHS	2.00	
DUTCH HYACINTHS, Double in colors	2.35	21.00
DUTCH ROMAN HYACINTHS	1.60	14.00
NARCISSUS, Incomparable, double yellow	1.00	8.00
Double Roman	1.15	9.00
ORNITHOGALUM ARABICUM	1.50	14.00
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA Japonica, extra strong	5.00	45.00
compacta multiflora	5.00	45.00
Astilboides floribunda	6.00	50.00

CHINESE SACRED LILIES, $1.25 per basket 30 bulbs, $4.75 per mat of 120 bulbs.

BOUQUET GREEN, 8 cents per lb.

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.



DAHLIAS

Whole Field Clumps
Versus
Divided Roots

The illustration above is an average Field Clump, such as I sell to dealers for catalogue trade. Note the several strong tubers, which, with my system of propagation, all develop sturdy buds. The illustration below is far better than the average so-called field root that I buy from other dealers.

My prices are no higher for whole roots than others ask for divided stock, cut up in the early Winter before the eyes develop (and with some methods of propagation there are few eyes to develop) with the result that you draw many blanks.

Price List sent on application.

J. Murray Bassett

Packard St., HAMMONTON, N. J.



Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Extra Size, French Forcing

Campernelle Jonquils

$4.00 per 1000, $15.00 per case of 4000.

WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

Please mention the Exchange when writing.

XXX SEEDS

Gaillardia. Grandiflora, hardy, Burbank's Latest Improvement, giant flowers, brilliant colors, pkt. 25c. Grand.

Shamrock True Irish Green, sow this Fall, packet 25c.

Chinese Primrose, finest grown, single and double mixed; ⅛ pkt. 50c., 600 seeds, $1.00, 1000 seeds. $1.50.

Cineraria, large flowering dwarf, mixed, 1000 seeds, 50c., ⅛ pkt. 25c.

Cyclamen Giganteum, Finest Giants Mixed, 250 seeds $1.00; ½ packet 50c.

GIANT PANSY The best large-flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c., oz. $2.50, 2½ oz. for $5.00. 500 seeds of the giant Mme. Perret pansy added to every $1.00 pkt. of Giant Pansy. Our pansy seed crop is extra good this year.

CASH. Liberal extra count.
WE CAN PLEASE YOU.

JOHN F. RUPP, SHIREMANSTOWN, PA.
FLORIST SEEDSMAN

Please mention the Exchange when writing.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

THE PRICES ADVERTISED FOR THE TRADE ONLY

To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well rotted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse.

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

CANNAS

One Million Sound, Plump Roots, 2 to 3 eyes, and true to name; over 100 leading kinds, $7.00 per 1000 and upwards. CANNA SEED, 1910 Crop, All Kinds Mixed, $1.00 per lb. Also DAHLIAS, GLADIOLUS, IRIS, ETC.

SHELLROAD GREENHOUSES, Grange BALTIMORE, MD.

Please mention the Exchange when writing.

COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS ergenteum	$1 50	$12 00
Braziliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonnetl	1 50	12 00
eriospatha	1 50	12 00
Gartneriae	1 50	12 00
Blumeneir	1 50	12 00
humile	1 50	12 00
odorata	1 50	12 00

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA — SOLE AGENTS ON THE PACIFIC COAST FOR ALPINE

Please mention the Exchange when writing.



Please mention the Exchange when writing.



DUTCH BULBS

At Clearance Prices

	100	1000
DUTCH HYACINTHS		
Single, Named, the best varieties for forcing or bedding	$3.75	$35.00
Single, separate colors, for bedding	2.25	20.00
Miniature, in separate colors	1.80	17.00
White Romans, (French) 12-15 cms	2.25	20.00
CROCUS		
Named Sorts (sold under name)	.40	3.50
Mixed	.30	2.25
SPANISH IRIS		
Named Sorts	.45	3.50
Choice Mixed	.30	2.50

Write for complete Surplus List of Bulbs

JOHNSON SEED COMPANY, 217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SPIRAEA and GLADIOLI

	Doz.	100
SPIRAEA Gladstone,. Extra strong clumps	$1.25	$9.00
SPIRAEA Compacta Multiflora	1.00	6.00
SPIRAEA Astilboides Floribunda	1.00	6.00
SPIRAEA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride, 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom, 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS UMBELLATUS, blue	1.50	10.00

Write for prices on Fresh Asparagus Plumosus Nanus Seed.

H. H. BERGER & CO., 70 Warren St., New York

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Rnseom, Rose V. Marienthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

$ Need Money, Need Room $

For cash only

NARCISSUS Paper White Grandiflora, Mammoth, $8.00 per 1000.
NARCISSUS Trumpet Major, French, Mammoth, $11.00 per 1000.
ROMAN HYACINTHS, 12-15 ctms., $23.00 per 1000.
LILIUM Harrisii, 7-9 inch, $8.00 per 100. Special low prices on **DUTCH BULBS, BOXWOOD, BAY TREES,** etc.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

We are also large growers of other Small Seeds. **Send for Trade List.**

THEODOSIA B. SHEPHERD CO.
Ventura, California

Please mention the Exchange when writing.

Salvia Seed

For Seedsmen

I have a small surplus of my own growing at *"Floracroft Gardens"* as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9 00
SALVIA Clara Bedman or Bonfire	1.60	16.00

ALL 1910 CROP

STOKES' SEED STORE
219 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy **NEW YORK CITY**

Please mention the Exchange when writing.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

GARDEN PEA SEED

Gradus, Thos. Laxton, Sutton's Excelsior and others of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.

Preliminary Wholesale List now ready

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.

Please mention the Exchange when writing.

Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for Present Delivery.

In case of 1000 pips at $9 00 per 1000.
In case of 3000 pips at $8.00 per 1000.

J. M. Thorburn & Co., Seedsmen **33 Barclay St., N. Y.**

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, etc., Nov. 7-8.—J. M. McCullough & Sons, 4 cases trees and shrubs; J. M. Thorburn & Co., 9 cases bulbs; C. C. Abel, 33 cases bulbs; S. Galle & Co., 120 cases roots; H. F. Darrow, 28 cases bulbs; S. P. Roosa, 2 cases bulbs; P. Henderson & Co., 14 cases bulbs, 25 cases roots; W. E. Marshall & Co., 1 case shrubs, 16 cases roots; O. G. Hempstead & Son, 8 cases trees; C. A. Haynes & Co., 4 cases bulbs; F. A. Vandegrift & Co., 3 cases bulbs; R. Huntington & Co., 6 cases bulbs; Rooney & Spence, 1 case shrubs; Smith & Boltzenchal, 7 cases trees; A. T. Boddington, 1 case trees; R. M. Ward & Co., 28 cases roots; O. V. Zangen, 3 cases roots; Vaughan's Seed Store, 116 pgs. trees; Weeber & Don, 15 cases bulbs; W. Elliott & Sons, 4 cases trees, 36 cases plants; P. C. Kuyper & Co., 13 cases trees; MacNiff Horticultural Co., 14 pgs. trees; Fruit Auction Co., 6 cases plants; W. Hageman & Co., 2 cases roots; McHutchison & Co., 45 cases shrubs; C. A. Haynes & Co., 4 cases roots; Stumpp & Walter Co., 97 cases roots; F. E. Buckingham, 9 cases trees.

Nov. 12-13.—P. Henderson & Co., 15 bags Grass seed; Julius Roehrs Co., 23 pgs. plants; C. A. Haynes & Co., 7 cases plants. Nov. 14.—O. G. Hempstead & Sons, 23 cases trees; Davies Turner & Co., 1 bundle trees; H. Nungesser & Co., 125 bags Grass seed; Smith & Boltzenthal, 43 cases trees; W. R. Huntington, 2 pgs. trees; C. H. Haynes & Co., 1 case trees; A. Baldwin & Co., 1 case shrubs; Vaughan's Seed Store, 51 pgs. trees; P. Henderson & Co., 29 cases shrubs; Wadley & Smythe, 16 cases trees; C. P. Meyer, 8 cases trees; McHutchison & Co., 152 pgs. trees; Davies, Turner & Co., 5 cases bulbs; Stumpp & Walter, 17 cases trees, 8 cases plants; S. P. Roosa, 2 cases trees; C. C. Abel & Co., 31 cases bulbs; R. M. Ward & Co., 4 cases bulbs; A. Rolker & Sons, 14 cases roots, 6 cases trees; Lunham & Moore, 6 pgs. trees; Rooney & Spence, 8 cases trees; A. T. Boddington, 11 cases roots; Tice & Lynch, 5 cases bulbs, 57 bags garden seed; F. B. Vandegrift & Co., 20 cases plants; Vaughan's Seed Store, 11 cases plants; W. R. Huntington, 5 cases bulbs; G. W. Sheldon, 3 cases bulbs; F. B. Vandegrift & Co., 12 cases trees; C. Zeller & Sons, 5 cases trees. Nov. 15.—H. Nungesser & Co., 13 bags Clover seed. Nov. 16.—Vaughan's Seed Store, 89 pgs. shrubs and trees; Stumpp & Walter, 25 cases trees and plants; P. Henderson & Co., 29 cases shrubs; McHutchison & Co., 152 pgs. trees; C. C. Abel & Co., 21 cases bulbs. Nov. 17.—O. G. Hempstead & Co., 1 case plants.

You have heard and read enough about Bulbs to know that the great argument advanced in favor of most brands is that of cheaper prices. Some even go so far as to declare a reduction on a rising market. But all this is deceptive. No business man sells goods at less than his goods are worth. The trouble is, there is so much cheap goods on the market and not enough of the better grades. Florists buy Bulbs for their productive value, and the wise buyer never buys the cheap goods. Horseshoe Brand Bulbs Are Not Cheap Bulbs — they are of the better grade. They sell for more than other brands, but not for more than they are worth. Try them.

RALPH M. WARD & COMPANY

"Not How Cheap— But How Good"

12 WEST BROADWAY, NEW YORK

All varieties of Cold Storage Japan Lilies ready for delivery now, or during 1911.

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Gimbricatum Carmineo—Marginatum	8.00	1.00
lory of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

Please mention the Exchange when writing.

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red - - -
Pure Pink - - -
Pure White - - -
White, with Dark Eye
} 60 cents per 100 / $5.00 per 1000

Salmoneum - - - 75c. per 100 $7.00 per 1000
Ruhm von Wandsbeck, (PRIDE OF WANDSBECK)
The best growing salmon sort, $1.00 per 100; $9.00 per 1000.

Fimbriatum carmineo marginatum, white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.
Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Monf Blanc,** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store

CHICAGO 84 RANDOLPH STREET NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.
Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

103 Federal Street
PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Haneoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES

E. S. MILLER, Wading River, N.Y.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days, 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 92 Years

Please mention the Exchange when writing.

European Notes

The list of shortages grows longer every day, and now includes practically every line that the general seedsman handles.

We have been so terribly anxious over Peas, Radish, Beet and Onion that the minor details which are classed as "sundries" in the seedsmen's catalogs have escaped our notice. This is especially true of herbs which are usually able to take good care of themselves. Last year, owing to very special circumstances, the crop of Thyme was insignificant and famine prices resulted; this year new plantings have produced fully 30 per cent. of a crop, which will, doubtless, be enough to see us through the season; but Marjoram, Wormwood, Balm and a few other articles of the same description are so scarce that it will not be possible to fill orders in their entirety at any price.

Rhubarb, Sorrel and Salsify are in much the same condition; the low prices obtained, owing to unusually large crops, discouraged the growers and the reduced acreage planted having failed to produce an average crop, supplies are not forthcoming. Another item, which, however, does not interest our friends on your side very largely, is Cress, the crop of which is the shortest on record and prices for market garden samples have jumped up accordingly. The quantity needed for the London market alone is simply enormous, as no English salad is complete without it, and, at present, no satisfactory substitute is forthcoming. Rape, which has practically displaced Mustard for salad work, is, happily, more abundant and the samples are fairly good.

The Pea situation is going from bad to worse, and the trouble is aggravated by the "catchy" weather we are now experiencing. The frost has not, thus far, been severe enough to do any serious damage, but it appears to have come to stay, so we must bide our time.

EUROPEAN SEEDS.

American Notes

Bulb Trade Still Quite Good

Thanksgiving week, by universal consent, is supposed to mark the beginning of the end of the Fall bulb selling season, and this year it is certainly most satisfactory to be able to say that not for many seasons have there been so few surpluses in any direction, and bulbs of all kinds sold down so well and evenly. All over the country we have certainly had, since the middle of last August, when the French bulbs began to come, ideal weather for bulb selling. It is contended, and rightly, that we have not had this Fall those severe cold snaps of a day or two at intervals, as in past seasons, which always result in "rushes" of conoter bulb trade, but, on the other hand, the even, steady trade for the past three months has much more than made up in total sales for the showy spurts of business that always attract so much favorable comment. Speaking of November bulb business, particularly of late years, it has been as good a month as October for bulb selling. One most satisfactory feature of the bulb business this Fall has been that the ground has kept open long enough to allow all plantings of bulbs such as Liliums auratum, and Speciosum, etc. It is always so satisfactory when our customers can get these varieties into the ground in the Autumn. In fact, it is always a race to get the Japanese bulbs into the customers' hands so that they may be planted before the ground closes for the Winter; but this season there has, of course, not been the least trouble in this respect.

As mentioned a week or two ago, Chinese Sacred Lilies are enjoying exceptionally good sales. The seedsmen all expect good business in Thanksgiving items, particularly decorative house plants and Holly, but, as a rule, our seedsmen do not make nearly the feature of Thanksgiving that the holiday would seem to deserve in respect to the additional business that could easily be secured.

The Scarcity of Garden Pea Seed

The all-absorbing topic of conversation among the seed trade the past week has been how "ways and means" can be de-

Thorburn's Seeds

CYCLAMEN GIGANTEUM SEED
Berglinden Strain, NEW CROP

Special offer to Florists of this splendid strain (*sold by us for many years.*)

Pure White, White and Red, Dark Red, Cardinal, White and Rose, Lilac, Rose, Mixed. **All 50 cents per 100 seeds, or $3.50 per 1000 Seeds.**

Aurora Borealis, Salmon Queen, **60 cents per 100 seeds, or $4.50 per 1000 Seeds.**

J. M. Thorburn & Co., Seedsman 33 Barclay St., N.Y.

Please mention the Exchange when writing.

Begonia Seeds

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties. Trade packet of 10,000 seeds, $1.00; ½ trade packet, 50c. Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

KENNEDY & HUNTER

Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

THE W. E. BARRETT CO.

PROVIDENCE, R. I.
One of New England's Oldest Seed Houses
GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

OUR XMAS NUMBER

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Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

VAUGHAN'S

Fancy XXX Holly and Bouquet Green for Christmas

WRITE FOR PRICES

SPIRÆA—Just Arrived

	Per Doz.	Per 100
Queen Alexandra	$1.80	$11.50
Astilboides Floribunda	.85	6.00
Astilboides Superba	.90	6.50
Blondin	.85	6.00
Compacta Multiflora	.75	5.50
Gladstone	1.25	8.50
Japonica	.65	4.50

GLADIOLUS

FOR WINTER FORCING

	Per 100	Per 1000
Colvillei Alba (The Bride)	$0.65	$5.00
Colvillei Rubra	.55	5.00
Blushing Bride	.50	4.50
Peach Blossom	1.00	8.00

LILIUM GIGANTEUM

	Per 1000
6x8 (400 to case) in case lots	$36 00
7x9 (300 to case) in case lots	60.00
9x10 (200 to case) in case lots	95.00

LILIUM MULTIFLORUM

	Per 1000
6x8 (400 to case) in case lots	$26.00
7x9 (300 to case) in case lots	45.00
9x10 (200 to case) in case lots	75.00

LILIUM FORMOSUM

	Per 1000
10x11 (150 to case) in case lots	$ 00.00

LILY OF THE VALLEY

	Per 1000	Per 5000
London Market Brand	$14.00	$67.50
Premium Brand	12.00	57.50
International Brand	10.00	47.00

CHINESE LILIES

	Per 1000
Mammoth Size	$50.00
Selected 1st size	27.00

DUTCH BULBS

Write for Surplus.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

vised to obtain Garden Pea Seed enough to, even in a small way, on the average, fill the regular customers' orders the coming Spring. This question, up to the present time, has been put off by many in the hope that in some way matters would so rectify themselves that there would be no trouble ahead. In other words, many dealers have gone on the theory that there would be Garden Pea seed enough to go around, but such will not be the case. The writer received this morning the advance wholesale list of W. Atlee Burpee & Co., Philadelphia, Pa., wherein they most tersely, emphatically and concisely state the Garden Pea Seed situation, as follows: "Peas are scarcer than has ever been known before—scarcer even than a year ago. Many varieties of Garden Peas grown for seed were nearly complete failures again in America. From our intimate acquaintance and inspections of stock grown in England (although the crops there were also distressingly short), we have succeeded in making up most of our normal requirements. The prices paid, in most cases, have been, however, double the usual cost of production, so that even with the higher prices quoted this season our margin of profit is less than half what is usually considered necessary and fair. Without a cent of profit (and we have very few cents on Peas this year), we protect our regular customers in supplying their usual requirements. We are not in business merely to 'make money.' Our business is our pleasure and it is certainly very unpleasant to have to disappoint regular customers who rely upon us for their requirements in seeds." In quoting this short paragraph from these well-known seedsmen's wholesale catalog, it may be said that it does seem, in view of these facts which now cannot be questioned by anyone, that the least those dealers who handle seeds in connection with other goods can do, is to assist their suppliers, so to speak, by placing their orders at once for what they need, in order that their wholesale seedsman who is trying his very best to accommodate them and give them as near an adequate supply for their customers as possible, should have all the time possible in which to secure and deliver their needs in this line.

Seedsmen's Christmas Sales

It is none too early for those seedsmen and other dealers who handle Christmas supplies to make provision for their needs in this line. Perhaps, the item of Christmas trees is as important as anything handled in the department of Christmas stock, and needs to be ordered before all other lines, for the reason that owing to their bulk much time is required in getting them delivered in good season. Those dealers who have not, up to the present time, handled Christmas trees, may be interested to know about in what proportion the various sizes retail, and it may be said that the smaller trees which can be sold for from 35c. to 75c. each, on the average, constitute about 70 per cent. of the sales in Christmas trees of the average dealer. The other 30 per cent. is divided about evenly between trees worth from $1 to $2 each. Of course, all dealers will have orders for a few large or, so-called, church trees, that sell for from $5 to $10 each, but great care should be exercised in not overstocking with these very large trees; in fact, the safe way is to know where each tree of this value is going before ordering the same into stock. The wholesale dealer will supply them in bundles. The small trees run from five to nine trees in a bundle and the larger trees in bundles of two and three, and the still larger ones as singles. It is thought that these few facts may assist those who have not as yet added Christmas trees to their other lines.

Holly is, of course, an excellent seller, but can be so conveniently purchased that the dealer can feel his way, so to speak, in this regard, ordering a few cases at a

A Few Specialties in Bulbs

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Princeps	6.50
Poeticus Ornatus, extra large double-nosed bulbs	7.50
Paper White Grandiflora, 13 ctm. and up	9.00
Orientalis (Chinese Sacred Lilies), casket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	Kelzerskroon	$10.50
La Reine	8.00	Mon Tresor	11.50
Prince of Austria	12.00	Rose Luisante	14.50
Rose Grisdelin	8.50	Vermilion Brilliant	18.50
Thomas Moore	8.00		

Single Finest Mixed, all colors, for bedding	7.50
Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz	10.00
Salvator Rosa	14.00
Gesneriana Spathulata, the true Gesneriana, the finest of all late Tulips	9.50
Double Finest Mixed, all colors for bedding	8.50

HYACINTHS

Our stock of these will be found exceptionally fine.

	Per 1000
Fine Named, our selection, best sorts. (For list of varieties, see wholesale list)	Per 100 $4.00..$35.00
Separate Colors, Single, pink, white and blue	20.00
Miniature, Chas. Dickens and Moreno	20.00
White Roman, selected bulbs, 13-15 ctm	25.00

COLD STORAGE LILY OF THE VALLEY

Case containing 500 pips....$8.00 Case containing 1000 pips.....$15.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum multiflorum, case 300 bulbs, $13.50.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.
POT-GROWN LILACS, Marie Legraye and **Chas. X,** $9.00 per dozen.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. Pierson Co.

TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

Michell is Headquarters for all Christmas Greens

Do Not Wait Till the Last Moment—Order Now

HOLLY WREATHS

	Per 100
Extra fine grade	$10.50
Michell's "Special" made up	12.00
Michell's "Extra Special"	15.00

MOSS

GREEN LUMP, extra fine. Per barrel sack, $1.25; 5 barrels for $6.00.

SHEET MOSS, extra fancy. $2.50 per barrel sack.

SPHAGNUM, clean and selected. Barrel bales, 60c.; 5 barrel bale, $1.75; $7.50 per 5 bales.

LAUREL WREATHING

MICHELL'S EXTRA HEAVY, special made up. Per 25 yard lots, 5c. per yard; per 100 yard lots, 4½c. per yard; per 1000 yard lots, 4c. per yard.

LYCOPODIUM WREATHING

Extra fine quality, per 10 yards, 70c.; per 100 yards, $6.50.

518 NOTE OUR NEW NUMBER

MISTLETOE

Well berried and perfect foliage

¼ case	$3.00
½ case	5.50
1 case (16 cubic feet)	10.00

HOLLY

The very choicest, well berried. Will sell on sight. Packed in cases 2x4x2 or 16 cubic feet.

1 case, $5.00; 5 cases, $22.50; 10 cases, $42.50.

LYCOPODIUM (Ground Pine)

Loose for making up. 100 lbs., $8.00.



Now at 518 Market Street

HENRY F. MICHELL CO., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Lilium Multiflorum

7/9	$50.00 per 1000
8/10	75.00 "
9/10	85.00 "

Lilium Giganteum

7/9	$62.50 per 1000.
8/10	90.00 "
9/10	100.00 "

Case lots of both sold at 1000 rates.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

BULBS

SELLING RAPIDLY

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next Spring, place your order of bulbs with us this Fall.

DO IT NOW

They will be sold out a little later.

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

time, as they may be needed. What has been said regarding Holly also refers to Mistletoe and wreaths of various kinds. These can be quickly shipped by express from the wholesale supply house, and in quantities as needed. Orders should be placed early, however, for Christmas trees, or disappointment may result as regards receipt of them, for on account of their bulk they must, of course, travel by freight. V.

New York Seed Trade

Still the weather continues mild and consequently, at both wholesale and retail, bulb sales are large. Our seedsmen have had quite a little extra trade for Thanksgiving week in decorative plants, holly, etc., but the sales in this direction have been small as compared with those that will be made for the Christmas holidays next month. Outside of the bulb business, other lines with the seedsmen are, of course, quiet.

Wm. Elliott & Sons have been offering at their auction sales, since the month of November came in, more than usual quantities of Dutch bulbs, especially named varieties in both single and double Tulips and Hyacinths.

At Boddington's are still continued surplus bulb sales, the offering including some named Tulips, Narcissus, Crocuses and quite a good list of miscellaneous bulbs, although stocks are beginning to be rapidly closed out.

Weeber & Don report retail bulb sales quite good, with no surplnses of any moment. This week they are makiug a special offer of some extra-sized French forcing Canpernelle Jonquils.

H. H. Berger & Co. still have a few surplus bulbs to offer, lists of which they will gladly furnish upon application.

S. D. Woodruff & Sons will, for the coming season, occupy the whole building at 82 Dey st., and also part of 84 Dey st., their business having so largely increased in the past few years as to make much more space absolutely necessary. They have also, during the past seasou, increased their facilities for handling seeds at Orange, Conn., where they have their seed farms. Besides their New York store aud Connecticut headquarters, this firm has seed Potato storage houses at Caribon and Monticello, Me., and also on Long Island, at Queens.

Vaughan's Seed Store has enjoyed a very good Thanksgiving trade in bouquet green and Holly.

The general strike of the expressmen is now a thing of the past and shipments are being made and received in good time.

Without an exception, onr seedsmen report that Darwin Tulips, both mixed and named varieties, have sold better this season than ever before, and they expect their orders to increase largely for these desirable varieties auother year.

Harry Goldberg, of Boddington's, is to be married on November 26, to Miss Fannie Kerness. Mr. Goldberg previous to coming to Boddington's was some seven years with Weeber & Don.

J. M. Thorburn & Co. are distributing their preliminary trade price list of seeds. This price list, as usual, gives the values of this date, and is subject to change as later crop reports may necessitate. They emphasize the fact that there is a very short crop of Gardeu Peas.

Speaking of Garden Peas, a well-kuowu seedsman offered Gradus Peas, in this city in the past week, at $8.50 per bushel, but it turned out on investigation he only had ten bushels or less to deliver.

Philadelphia Seed Trade

The most notable event in Philadelphia seed trade circles this week was, undoubtedly, the opening of a lecture course, already announced in our columns, in the new palatial seed store of the Henry F. Michell Co., at 518 Market st. on Monday morning last. Maurice Fuld of the Michell Co. spoke on "Bulbs as House Plants; How to Start Them; How to Take Care of Them; How to Make Them Bloom Successfully." The attendance was unexpectedly large. Mr. Fuld gave a very practical lacture, with demonstrations of soil mixing and potting, and a display of both tops and roots of started bulbs. He grouped the bulbs into several classes amenable to the same treatment, and called these the "regulars," and such bulbs as required each a different treatment he called "irregulars." The new mixture in which to grow bulbs was spoken of and shown, namely, a composition of three-fourths Cocoanut fibre aud one-fourth oyster shell coarsely ground. The growing of Lily of the Valley pips in moss was explained. The lecture covered the whole line of ordinary bulbs, Narcissns, Tulips, Hyaciaths, Freesias, Amaryllis, Oxalis, etc., and both water and soil methods of growing. The lecturer spoke fluently, pleasingly, and instructively, and answered the fire of questions to which he was subjected during his talk with a readiness clearly showing him master of his subject. The interest of the audience was shown by the fact that long after Mr. Fuld announced the close of his lecture most of his hearers remained gathered around him plying him with questions.

Clarence W. Moore of the Moore Seed Co. reports that the company's importations of bulbs this year were the largest it ever received, and that last week was the banner week in the matter of sales.

C. Pb. Freriks, representing F. R. Pierson Co., Tarrytown, N. Y., was a caller at Stokes' Seed Store on Monday of this week. Mr. Stokes began shipping blooms of Paperwhite Narcissus into the Philadelphia market last week, the first of the season. Mr. Stokes is becoming an enthusiastic golf player. He is a member of both the Moorestown, and the Atlantic City Golf Clubs and spent Saturday last on the grounds of the latter Club playing the game. A seedsman of national fame, a successful florist, a skillful amateur photographer, a traveler, an ardent disciple of Isaac Walton, and now a golfer, and withal an indefatigable worker, Mr. Stokes is indeed a versatile man.

Mr. Sherry of the Johnson Seed Co. reports that the company's Poultry Supply List is now in the printer's hands and will be ready for distribution December 1. The fact that this company is now offering for sale, in bulk, eleven different kinds of poultry foods shows the great attention now given to the poultry food supply.

J. D. Eisele, manager of Henry A. Dreer, Inc., at Riverton, Pa., reports that the King Construction Co. is pushing the work on the new greenhouse range very satisfactorily, and there is a reasonable expectation of the occupancy of several of the houses within a few weeks. J. Otto Thilow, secretary of the company reports at the 714 Chestnut st. store a rapid depletion of all bulb stocks.

Gorgeous Iris

FOR FALL PLANTING

GERMAN

	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling	25.00
PARKMANI. Uprights pure lemon; falls white veined purple	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00

Single

APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, per 100. $5.00

8 per cent. discount for cash.

John Lewis Childs

Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Dutch *and* French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

CABBAGE Wakefield and Succession, $1.00 per 1000, 20c. per 100.

LETTUCE Grand Rapids, Big Boston, Boston Market, and Tennis Ball, $1.00 per 1000, 20c. per 100.

PARSLEY 50c. per 100, $1.25 per 1000.

R. VINCENT, Jr. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.

Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $30.00 per 1000.

PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.

DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.

PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.

PRIMULAS, Chinese, 2¼-inch, $3.00 per 100, $5.00 per 300.

ASPARAGUS Sprengeri, fine plants, 2¼ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Giant Pansies. The finest strains and finest plants the market affords, as follows: Our Own Specials, Our Cut Flower Collection, Masterpiece, Bugnot, Mme. Perret, Giant Prize, Trimardeau, Fire King, Orchid-Flowered, Peacock, Snow Queen, Emperor William and Fairy Queen, strong, field-grown plants, your own selection, 3.00 per 1000 or $5.00 per 2000. Our selection of all above kinds, Mixed, at $2.50 per 1000, $4.50 per 2000, $10.00 per 5000. ELMER RAWLINGS, Wholesale Grower, OLEAN, N. Y.

Please mention the Exchange when writing.

PANSIES

150,000 Giant Prize Pansies Giant Masterpiece

The best mixture you can get, fine strong seedlings, ready. Also five separate colors $2.50 per 1000; $12.00 per 5000. Cash.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect Fine plants for cold frames $3.00 per 1000 Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn

Grower of the Finest Pansies.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, extra fine, large plants, commencing to bloom, at $3.00 per 1000; 5000 lots at $2.50 per 1000. Smaller size, but strong and stocky, $2.50 per 1000; 5000 lots at $2.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, Pansy Farm, Bristol, Pa.

Please mention the Exchange when writing.

Pansy Plants

Giant Flowering, now ready, 50c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $1.00

Cash. Please

JOS. H. CUNNINGHAM, Delaware, O.

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	1.50
Obconica Gigantea	2.00
VINCA var., from field	4.00

Please mention the Exchange when writing.

Seasonable Plants

CUPHEA, 2 in., 1½c., R. C., 75c. per 100.
HELIOTROPE, 2 in., 1½c., R. C., $1.00 per 100.
DOUBLE PETUNIAS and WHITE PARIS DAISIES, $1.00 per 100.
RUBIERS, fine stock, 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $1.50 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and Rosea, 2-in. pots, $1.50 per 100; **Carminea**, 2-in. pots, $1.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.50 per 1000.
SINGLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, and COREOPSIS LANCEOLATA GRANDIFLORA, all from field, $1.00 per 100.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100. **Rooted Cuttings, $1.00 per 100.**
FEVERFEW, Gem, 2-inch., $1.50 per 100.
SALVIA, Bonfire, Zurich and Splendens, 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.50 per 100.
ALTERNANTHERA, 3 kinds, R. C., $4.50 per 1,000; **Brilliantissima**, $5.00 per 1,000.
ROSE GERANIUMS, R. C., $1.25 per 100.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT **CHRISTMAS STOCK** SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. **THE FLORISTS' EXCHANGE**
P. O. Box 1697, N. Y. CITY

Violet Culture

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.

2-8 Duane Street, New York

OUR XMAS NUMBER

Will be Issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Time to WAKE UP

REGARDING YOUR REQUIREMENTS ON

ROSES

both FIELD stock and YOUNG Plants. We are United States Headquarters. Wholesale List for the asking. Own Root only.

Send ten cents in stamps for our artistic Tri-Color Plate of **Joanne Wessenhoff**, the grand Yellow Hybrid Tea; you positively need this Rose whether you are a Florist or Nurseryman.

CALIFORNIA ROSE CO., POMONA, CALIFORNIA

Please mention the Exchange when writing.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

Please mention the Exchange when writing.

Los Angeles, Cal.

The greatest activity prevails among seedsmen, nurserymen and florists in this part of the State this season. The Morris & Snow Seed Co. have added an additional room to their store, in the rear. This addition, and the loft in the rear half of the store proper, will provide facilities to meet the requirements of the company's rapidly expanding business.

Theodore Payne has added additional shelving in his store, that he, too, may store his goods properly. He has written and published a small pocket manual on "The Wild Flowers of This Coast, and How to Grow Them," which every gardener of the State should have on his bookshelf. He put the modest price of ten cents on it.

Chas. Wiosel is handing out vegetable plants of the hardy kinds, and taking in the coin at an amazing rate. He makes a specialty of such plants and his propagating grounds may be likened unto a large milling establishment, where the seed is thrown into one hopper and comes out the finished product at another. There is never any let-up with him except on Sunday, when the lid on business is put down tight. It was a month after he moved into his new store before the front was finished.

Edward Rust is reglazing and repainting his range of houses, and overhauling the heating apparatus in the propagating house. Arthur Simpson is now his traveling salesman. Advertising and catalogs have not gotten enough business for him to keep pace with the output of his nursery and greenhouses, which are under the management of J. W. Ross. He will force 12,000 Valley for the holiday season, 600 imported Azaleas—which are in fine condition—and 300 Astible Japonica plants, which are clean and healthy looking. He has a Ficus with the specific name "Chauveri," which, while a little tender, deserves protection during our Winters, because of the small, brilliant, red fruits, the size of a Hazelnut, a pair, no more, of which nestle in the axil of every leaf.

John G. Van Gelder, a skillful landscape gardener, having an inherent sense of the fitness of things, without which no man may hope to be an artist, has associated himself with D. W. Coolidge of Pasadena, in the work of embellishing private places. The city made the phenomenal gain during the last decade of over 232 per cent., and all these new homes require the attention of the landscape artist in a greater or less degree. Los Angeles made a gain of over 211 per cent., and there are villages near these two cities of one to three thousand people which, five years ago, were Barley or Beet fields. Eastern readers will understand by these facts that this Southland is growing some, yet there is room for ten million more people, and not one to be crowded.

Tom Wright, the Los Angeles florist, astonished the natives at our last flower show by distributing greenhouse grown Rosebuds, free, to ladies and children. The flowers were fine and greatly appreciated by the recipients. To put the climax on the donation and make it perfect, he sent a large box of buds to a hospital. Altruism still lives, and there yet remains enough of the spirit of helpfulness among men in this day and age of the world, which pessimists and cynics are prone to denominate the "age of greed," to drive out of the minds of the hopeful among men all discouraging thoughts.

These Autumn months are delightful. Tomato plants look better at this writing, November 15, than they did two months ago. The fields planted to Peas for holiday trade look better than for several years past. Red Raspberries and Strawberries are now on the market; the first-named retail for 15c. per box of 8 oz.; the second the same price for 13½ oz., No. 1 fruit, the same in the bottom of the basket as on top. The grade with the siftings in the bottom of the box, and topped with a few large berries, retails at 5c. per box.

Edward L. Doheney has the most remarkable fan-leaved Palm that has yet come under my observation. The leaf is over six feet in diameter, peltate, perfectly round in outline, segments a foot in length, with rounded points. The color is light green, the surface beautifully corrugated, and straight as an arrow from center to circumference, no sagging of segments, no filaments to them, a great, perfect shield. The specific name applied to this plant, Hoogendorpii, is not in harmony with the description given by Bailey of the same species, rotundifolia would seem to be more nearly correct.

Sidney Hockridge of Redlands reports a "sport" from his single pink-flowering Cherokee Rose. The first flower appeared October 12 last. It is very double, and of good substance. The foliage is of the lævigata type, which is mildew resistant to a greater degree than that of any other species.

Our school authorities are beginning to awaken to the importance, indeed the necessity, of teaching the children of the public schools how to grow plants and take care of the grounds surrounding their homes. Three years' experience in the work taught me that the first essential to success is to instruct the teachers in the art of gardening; the second is to make the work part of the course of study, with sufficient time each day to attend to the work of caring for the plots assigned to each child.

Carl Purdy, the native bulb grower of this State at Ukiah, reports more business this Fall than he could handle. He says: "I see no signs of cessation in orders until the entire sale of my stock calls a halt."

P. D. BARNHART.

Personal

Information concerning the whereabouts and health of Charles August William Unckenbolt, formerly of Dortmund, Germany, will be gratefully appreciated by his mother and his sister. The latter's address is Mrs. Lyddie Fuhrmann, 64 Kronprinzenstrasse, Dortmund, Germany.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

First Aid to Rose Buyers

Fall Price List—200 Sorts

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

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The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

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Roses on their own roots or budded, a specialty.

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
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5000 KUDZU VINES | 3000 Standard HYDRANGEAS
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Also my usual assortment of Hardy Nursery Stock

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NORWAY SPRUCE, 2 to 3 ft., 7c. each.
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Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

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Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

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We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. *Wholesale Trade List for the Asking*

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinisporas, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

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Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

COMMERCIAL VIOLET CULTURE

Price $1.50

A. T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N. Y.

Araucaria Excelsa

5-inch pots, 4 to 5 tiers 16 to 18 inches high 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 5 tiers, with more spread 18 to 20-inches high, 75 cents each; $7.50 per dozen.

THE CONARD & JONES CO.
WEST GROVE, PA.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. 26th Annual Convention at St. Louis, Mo., 1911.

An Early Flowering Shrub—Corylopsis pauciflora

Corylopsis pauciflora is an early flowering shrub, seldom seen in general collections, but those who admire early bloomers, especially when they are rare, have it in their collections.

The Corylopsis flowers before the leaves appear, bearing but few flowers, 12 to 18, in a raceme, the color of the blossoms being of a light yellow. As with many shrubs the flowering in advance of the formation of the leaves is thought an advantage, the flowers appearing much better without them, but in the case of the Corylopsis the presence of leaves might be an advantage; the light yellow flowers would make more display than they do without them.

The Corylopsis does not make many shoots, so that propagation by cuttings or layers is a slow process; but as it belongs to the same natural order as the Hamamelis (Witch Hazel), it may be that it could be grafted on seedlings of it, as Hamamelis seeds freely, making seedlings not hard to obtain. Seedlings could be housed and the grafting done in Winter.

A Neglected Spiræa

It is but a short time ago that attention was called to the usefulness of the Spiræa Billardi as an all Summer bloomer, when treated rightly. Two months or more have passed since, and the bushes are still so full of flowers that its usefulness is again referred to. Both this shrub and the Kerria Japonica may be called everblooming, with far more justice than many other shrubs are. The Kerria usually continues its all season flowering without the aid of any pruning, though it may be that in the case of old branches being cut down it would cause young ones to succeed them, which would flower freely later in the season.

Spiræa Billardi demands good soil and frequent prunings through the season. In the first place treat it as a shrub that flowers from the young wood. Cut it down close to the ground in Winter or before it starts to grow in Spring. This pruning will give strong shoots that will bloom in Midsummer. Cut away all the flowers as fast as they fade, cutting them off, say, well down the shoots, so that new shoots may start out with some vigor. From these flowers will be had in a month or so, and then, cut off as the others were, will give still another crop later on. In fact, by repeated moderate prunings the shrub is a perpetual Summer bloomer, one of the oldest and best of Spiræas.

Evergreen Boughs for Covering

Were it not for the inclement weather which December and January brings, these months would do very well in which to cover up such trees and shrubs as are thought to require it. At this season of the year, November, while it is true that the cold will be greater as the weeks pass around, it is also true that the sun gets farther away from us, and as it is the combination of heat and light in the day, with the cold of Winter, that causes the damage to trees, covering or protecting plants is not really necessary until the sun mounts higher, in February and later. Still, as no harm is done when the covering up is attended to in November and early December, it is well to do it then and the work is not so hard as it is after snow lies on the ground.

The protection such trees require is not so great as many suppose. A covering of evergreen boughs is very good. The foliage of evergreens needs air in Winter, and many of them that are tied up tightly with burlap and the like become more damaged than those not covered at all. The exclusion of air is what does it. Evergreen boughs are very good, so are Corn stalks, both materials keeping off high winds and the glare of sunlight while permitting ventilation. Straw is sometimes used, and this, too, is good, unless when tied up too tight. Workmen when told to tie up evergreens with straw should be watched, or they will bind it around so tight that when opened in Spring the specimen will be found dead. Straw and Corn stalks simply require to be so tied as to hide the foliage from the sun and keep off high winds. Because of the danger of close tying, evergreen boughs are about the best of all things to use for the purpose, as it is almost impossible to tie them so close that smothering of the foliage will result.

Such evergreens, as well as any other plant that requires protection, are benefited by having a good mulch above the roots. They Winter best the less the soil is frozen about them.

Hardiness of Chamærops Excelsa

A correspondent, writing from Florida, asks us if there is any sale for Chamærops excelsa in Philadelphia, as he has read of so many trees and shrubs flourishing there that are not usually termed hardy, and he has found this Palm to endure quite low temperatures in Florida, once as low as 3° Fahr.

We regret to say this tree will not endure our Winters. Probably near the Delaware River it might, but we do not think it. It might have a chance at Atlantic City or Cape May City, probably more at the latter place than at the former, as it would have there the advantage of both the Delaware River and the ocean. In the southern portion of England this Palm endures a temperature as low as 10° above zero, but it would not do it here, nor stand 20° above it; our skies are too clear and our air too dry in Winter. There must be many States, in which it would thrive, where it is never seen. In Maryland, near the ocean, Delaware and New Jersey in like situation, it ought to live, and it should be tried. Figs are said to thrive in New Jersey near the ocean, and Chamærops excelsa should prove as hardy. There would be this in favor of the Fig as against the Palm, it carries no leaves in Winter; the Palm doing so makes it harder to combat the cold.

Plumbago Capensis

A good old flowering plant for Summer use is the Plumbago Capensis, a well-known greenhouse plant to gardeners in the colder States, but a hardy one in south Florida and in portions of the Pacific States. It is noted for its free blooming qualities all Summer long, its flowers being of a light sky-blue color, of most pleasing appearance. To have this greenhouse shrub do its best in a flowering way it should be well cut back when planted out in Spring, to cause it to make young shoots, which are the ones that bear the flowers. There is a pure white variety of this Plumbago which also makes an excellent plant for Summer blooming.

Another species is one called Plumbago rosea, having spikes of carmine-colored flowers, which, with the Capensis, used to be met with in all collections of greenhouse plants, such as the wealthy men of the country half a century ago used to take an interest in; and all these plants were good for bedding effect in Summer. Neither of these mentioned is hardy in the North; the herbaceous one, P. Larpentæ, is, and is well known for the beauty of its blue flowers.

Betula alba Pendula Laciniata

Like all variations from original forms, the cut-leaved Weeping Birch is most interesting; at the same time it is a lovely tree. There is much to recommend it for a position on a lawn. Not only does it grace a lawn in Summer, it is as valuable in Winter; in fact, it is common for landscape gardeners to use it in their plantings more for its Winter effects than for those of Summer.



Betula alba Laciniata Pendula—Cut Leaf Weeping Birch

As is well known, it is a variety of the European Birch, Betula alba, and if we are not mistaken was introduced from Germany years ago by the firm of Ellwanger & Barry. Everyone knows of the beauty of the Betula alba in Winter. When its foliage has fallen the white bark becomes more prominent, and specimens of it on a lawn are always interesting at that season. Its variety, our cut-leaved weeping, has in its favor not only the white bark but, as well, the slender, drooping branches, making of it as pretty a tree at that season as it is in Summer when clothed with foliage. The photograph shows the slender growth, far less robust than that of its parent, alba.

Referring to white barked Birches, there is a rivalry between the alba, the European species, and the papyracea, our canoe or paper Birch, as to which is the better one for white bark. The latter has larger leaves than alba, and its younger shoots have a very dark bark, which contrasts well with its white bark; and this white bark is as good a white, at least, as that of alba.

Teas' Weeping Mulberry; "A Trailing Vine"

We were recently somewhat amused with the remark of a gardener that he had seen on the grounds of a friend a "Mulberry vine, bearing fruit." He described it as running close to the ground and covering a large space in its ramblings, "a trailing vine." It interested us enough to look it up, and we found it to be much as he described it, but we found, further, that the plant was but one raised from a cutting of Teas' Weeping Mulberry, after which the "vine" growth was easily understood. It was in this shape Mr. Teas found his plant in the first place, we understand, finding it trailing in a bed of seedlings of the Russian Mulberry—and a lucky find it was, one that should have resulted in much more profit to him than it did.

It has occurred to us that there could be much use made of this Mulberry in a creeping condition. There are many positions where a creeping Mulberry could be used to advantage, covering rocks, mounds, and even low walls, and other things such as are to be found on all large estates.

There may be other weepers that could be used in the same way, but just now there is not another coming to mind that makes the long, running shoots the Mulberry does, having every appearance of a trailing vine, not unlike a vigorous Dewberry as it runs along the ground.

Cuttings are made of this Mulberry in Winter, setting them outdoors in early Spring.

Golden-Leaved California Privet

The common green-leaved form of the California Privet is so favorably known for its usefulness in many ways that there is hardly a garden of any kind in which it is not in use in some shape or other, chiefly in the way of screening or hedging. This applies to places where it is hardy, as it may be said to be anywhere south of New York City and from Boston along the coast. At this time of the year, mid-November it is a refreshing sight to see it as green and fresh looking as in Summer, amid the brown and falling foliage of all other deciduous trees and shrubs, and this verdure it maintains until sharp freezings set in. The few degrees of frost early November brings it does not mind.

But we started to mention the golden-leaved variety of this Privet, a valuable addition to a collection of shrubs, and already finding a place along borders of evergreens or other shrubs and trees. This is not the one known for some time as the Golden Privet, which is characterized by more of a white edged leaf than a golden one, but a real, good yellow colored one, meriting the name of Golden Privet. It does not seem to be as well known as it will be when its many merits are better understood.

Our Xmas. Number will be issued Dec. 10

ENGLISH MANETTI ROSE STOCKS For Immediate Delivery

A SELECT GRADE FOR GREENHOUSE GRAFTING

$12.00 per 1,000. 5,000 at $11.50 per 1,000. 10,000 at $11.00 per 1,000.

THOMAS MEEHAN & SONS, Wholesale Nurserymen, **DRESHER, PENNA.**

Please mention the Exchange when writing.

ONE-HALF MILLION

California Privet

1, 2 and 3 year stock as follows:

	1000	10,000	20,000
1 to 1½ ft. 3 branches up	$10.00	$85.00	$165.00
1½ to 2 ft. 4 branches up	15.00	125.00	210.00
2 to 3 ft. 6 branches up	20.00	175.00	325.00
3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
4 to 5½ ft. 10 to 20 branches up	40.00	300.00	550.00

Our stock is ready for inspection at any time. A sample will convince you that it is **A 1** in every respect.

ORDER EARLY DON'T DELAY

CARLMAN RIBSAM

31 Wall St., TRENTON, N. J.

Please mention the Exchange when writing.

Regel's and Ibota Privet

They make hedges that are distinct and different. Our plants are strong and heavy.

	100	1000
Regel's Privet, 2 to 3 feet	$9.00	$65.00
Regel's Privet, 3 to 4 feet	12.50	100.00
Ibota Privet, 2 to 3 feet	9.00	65.00
Ibota Privet, 3 to 4 feet	12.00	85.00

CALIFORNIA PRIVET too, that's heavier than is usually grown. Shrubbery and Shade Trees of many kinds in enormous quantity.

THE WM. H. MOON CO., Morrisville, Pa.

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California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Surplus Stock For Sale

500,000 California Privet

Strong Plants

	1000
2 ft., 2 to 4 branches	$10.00
2 to 3 ft., 4 to 5 branches	20.00
3 to 4 ft., 6 to 8 branches	30.00

Taller Plants for Screens, etc.

4 to 5 ft., 4 to 6 branches	30.00
5 to 6 ft., 6 to 8 branches	50.00

Packing free.
Inspection invited.

WOOD, HARMON & CO.,

Nursery Department

Church Ave. and E. 58th St., BROOKLYN, N. Y.

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Privet Bargains

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants	Per 100 $4.00

SOUTHSIDE NURSERIES, CHESTER, VA.

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BARR'S CALIFORNIA PRIVET

	100	1000
12 to 18 in., 1 year, 2 to 5 branches	$1.25	$10.00
18 to 24 in., 1 year, 3 to 6 branches	1.50	12.00

TERMS CASH.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

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HARDY PLANT BARGAINS

400 Clumps **PEONIES,** Double Varieties, Mixed Colors, 3 to 5 eyes, $3.00 per 100.
400 **IRIS, Mme. Chereau,** $3.00 per 100.
400 **IRIS, Florentina Alba,** $3.00 per 100.
600 **FUNKIA VARIEGATA** (Quaker's Pride), 3 to 5 eyes, $5.00 per 100.
200 **HEMEROCALLIS THUNBERGII** (Lemon Lily), $5.00 per 100.
100 **HARDY FALL-BLOOMING WHITE CHRYSANTHEMUMS,** $3.00 per 100.

J. R. BAUMANN, Rahway, N. J.

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FIELD GROWN

White and Pink Killarneys. Strong, two-year-olds, own roots and grafted, $12.00 and $15.00 per 100.

ASPARAGUS SPRENGERI

From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA

4-in., $12.00 per 100; 3-in., $8.00 per 100.

POINSETTIAS

From 3-in. pots, $10.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $4.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $4.00 to $8.00 per 100.
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.25 per 100.
BEGONIA Erfordt. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.60 per 100, $12.00 per 1000.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $2.00 per 100; $16.00 per 1000.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
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VERBENAS. Mammoth set, unsurpassed, $1.00 per 100, $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

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ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50
DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.
FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.
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PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.
PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.
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SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.
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Lily of the Valley—Cold Storage FOR CHRISTMAS FLOWERING

Cold Storage Valley Pips will force naturally in about 21 days, in a temperature of 58 to 60 degrees or even less Write or wire your orders at our expense.

Price: $1.75 per 100, $3.25 per 250, $6.50 per 500, $12.50 per 1000.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.

Lancaster, Pa.

Mr. Daniel K. Herr writes us that having retired from the florist business he has turned his rare collection of Coleus over to his son, Albert M. Herr, and is sharing with him a part of his time in the furtherance of that business. Mr. Herr adds that, using The Florists' Exchange alone as an advertising medium for the past eight years, it brought him custom for all he could grow and more.

Worcester, Mass.

Although the retail stores seemed to be well stocked with flowers and plants, there was a scarcity of Violets and Chrysanthemums for Thanksgiving Day. Roses and Carnations were substituted in most cases.

There has been considerable demand for Ferns, ferneries and globes during the past week. These, with a goodly number of funeral orders have made up the principal trade everywhere. Decorative work is nothing to speak of, but bouquets for corsages and birthday gifts have received many calls.

W. E. Draper sent an old-fashioned bouquet, and one of Carnations, Roses and Chrysanthemums, to a Mrs. Gilmore in Concord, N. H., for her 100th birthday anniversary. The Draper store is well stocked with Sweet Peas, Cyclamen and general stock, but there is reported a shortage of Violets and 'Mums.

H. F. A. Lange, as usual, has one of the finest display windows in the city. The reputation of the Lange establishment among growers and the trade is an enviable one, gained by many years of honest industry. The present window display, which has received many compliments, represents a modern garden, of artistic arrangement. A white and gold fence with gateway is used in the middle of the window running lengthwise, through the opening a view of the garden, displaying growing Chrysanthemums in pale yellow, with decorative grasses, is seen. As a border, just outside the fence, is a bank of La Detroit Roses, with tiny decorative trees and Ferns. A pure white dove is shown, in search of a bit to eat, with its head buried in a bed of Roses. The opposite window shows Begonias, with Ferns and Palms.

The Flower Shop reports an excellent business, with plenty of 'Mums, fancy Carnations and Violets.

F. A. Madaus is cutting good Roses and Carnations, and reports plenty of general stock, with funeral designs in the lead.

Bulbs have been disposed of in large numbers during the week. Dealers are pushing them considerably. The schools and parks have planted more than usual this season. E. D.

CLUBS and SOCIETIES

F. and N'men's Assoc. of Montana

W. E. McMurry, of Hamilton, the newly elected member of the Montana legislature, has been appointed chairman of the Committee on Legislation of this association. Additions to membership during the past week were: David Gibson, of Helena, and W. E. Gleason, of Florence.

Boxwood · Boxwood

Personally selected by our Mr. Yates, Jr., while in Europe this Summer. We have been importing thousands of Boxwoode every year, and knowing the demand would be exceptionally large this Fall, we Imported an unusually large quantity, and will pack and ship at the following prices The Finest Boxwood In The Market. Every plant is bushy, bright green, and the price is unusually low, taking in consideration the scarcity of the article.

Kindly send Cash with Order. If you do not think the stock is right, send for a sample dozen or so.

	Per dozen	Per 100
10 to 12 Inches	$2.50	$18.00
12 to 14 inches	3 00	20.00
14 to 16 inches	3.50	30.00
16 to 18 Inches	5.00	40.00

PYRAMIDAL BOX

	Each
2 to 2½ feet high	$0.75 to $1.00
2½ to 3 feet high	1.00 to 1.25
3 to 3½ feet high	1.25 to 2.00

We will pot any of the above Pyramidal Box in nice green tubs at 35 cents extra.

SPECIAL

HARDY CUPRESSUS

	Each	Per doz.
2½ feet high	$0.60	$6.00

This makes a beautiful Evergreen for putting in tubs.

THADDEUS N. YATES & CO.

7356 Germantown Avenue, PHILADELPHIA, PA.

Over 100 acres of Nursery Stock. If you want anything in Hardy Trees, Shrubs, Vines, etc., send us your list at once.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Massachusetts Horticultural Society

The election of officers for the ensuing year took place last Saturday, Nov. 19, at the annual meeting.

The following gentlemen were elected: President, Charles W. Parker; Vice-president for two years, John K. S. M. Farquhar; Trustees: Ernest B. Dane, John A. Pettigrew, Stephen M. Weld, Wilfred Wheeler. Nominating Committee: Francis H. Appleton, Frederick W. Damon, Harry E. Fisk, Charles W. Hoitt, Josiah B. Shurtleff, Jr.

There was a nice exhibit of Orchids made by E. B. Dane and J. R. Leeson. The plants were well grown and the judges gave liberal awards which were as follows:

E. B. Dane, Cyp. Dante magnificum, silver medal; C. Tityus, first class certificate; C. Wm. McKinley, and C. Leeanum x purum, honorable mention; Cattelya labiata x maroni and Lælio-Cattleya Timora x Cattleya; Loddigesii, honorable mention; Donald McKenzie (gdr. to E. B. Dane) Cyp., Sanderæ, Oncidium crispum, and Vanda cœrulea to all three first class certificate for superior culture; J. R. Leeson, Acineta Loddigesii, first class certificate for superior culture. R. C.

BOXWOOD

BRIGHT GREEN, FRESH, CLEAN SPRAYS *50 POUND NET WEIGHT HIGH QUALITY STOCK* $7.50

GREEN, FANCY, SHEET MOSS

3 BUSHEL SACK $1.50

Our Guarantee goes with this stock

PINE CONES, A CHRISTMAS NOVELTY, $5.00 per 100.

PITTSBURGH CUT FLOWER CO.,

121 SEVENTH ST., PITTSBURGH, PA.

Descriptive Booklet Free

Please mention the Exchange when writing.

GET READY FOR CHRISTMAS

I offer my immense stock of Fruited, Flowering and Decorative Plants at the most reasonable prices.

POINSETTIAS, very fine, 4 plants in a 6-in. pan, $12 a doz.
6 plants in a 7-in. pan, $15 a doz.
6 plants in an 8-in. pan, $18 a doz.
7 and 8 plants in a 9-in. pan, $24 a doz.
10 plants in a 10-in. pan, $3 each pan.
12 plants in a 12-in. pan, $4 each pan.
Extra large pans, $5.00 each.

AZALEAS, Vervaeneana and Simon Mardner, 6-in. 50c. and 75c. each, $6.00 and $9.00 a doz.
6½-in., $1 each; $12.00 a doz.
7-in., $1.50 and $2.00 each; $18.00 and $24.00 a doz.
8 and 9-in., $3.00, $4.00 and $5.00 each.

Pyramids and Fans. (Prices on application.)

Deutsche Perle, 6, 6½ and 7-in. pots, $1.50 to $3 each.

Mme. Petrick, 5, 5½ and 6-in. pots, $6, $9 and $12 a doz.

Firefly, in bloom for Christmas, 4, 4½ and 5-in. pots, $4, $5 and $6 a doz.; larger, $1, $1.25, $1.50 and $2 each. **Very fine.**

BEGONIA LORRAINE, very fine, in 7-in. pots, $12, $18 and $24 a doz.

CAMELLIA Chandleri (pink) and **Campbell** (red), loaded with flowering buds, very fine for Christmas, 5½ and 6-in. pots, $1.25 and $1.50 each; 6 and 6½-in. pots, larger, $1.75 and $2 each.

ERICA Fragrans, very fine for Chrismas, 5½-in. pots, $9 a doz.; 6-in., $12 a doz.; 7-in. $18 a doz.; 8-in., $24 and $36 a doz. **Specimens,** $4, $5 and $6 each.

ERICA Regerminans, 4½ and 5-in. pots, in bloom now and for Christmas, $6 and $6 a doz.

ARDISIA Crenulata, well berried, 5 and 5½-in. pots, $1, $1.25 and $1.50 each.

JERUSALEM CHERRIES, red berried, 5½-in., $4 a doz.; 6-in. $6 and $9 a doz.

CYCLAMEN, 6-in., $4 a doz.; 5½-in., $5 a doz.; 6-in., $6 a doz.

ORANGES, Citrus Sinensis, fruited, very fine, 6-in. pots, 75c. and $1 each; 7, 8 and 9-in., also 7-in. pans, $1.50, $2, $3, $4 and $5 each.

CARNATIONS, 7-in. pans, $9 a doz.; 8-in. pans, $12 a doz.

DRACAENA Terminalis, 5-in. pots, $6 and $7 a doz.
Massangeana, 7-in. pots, $1.25 and $1.50 each; 8-in. pots, $2 each.
Lindeni, 6½-in. pots, $1.25 and $1.50 each.
Fragrans, 5½-in. pots, $6 a doz.

CROTONS, 4-in. pots, $2 a doz.; 4½-in. pots, $3 a doz.

PANDANUS VEITCHII, 6 and 6½-in. pots, $1.25 each; 6½ and 7-in., $1.60 each; 8-in. $2 each.

LIGUSTRUM Aureum, Golden Spruce, 4½-in. pots, $3 a doz.

ARAUCARIA Excelsa, 4½ and 6-in. pots, $6 a doz.; 5½ and 6-in., $9 a doz.; 6-in., larger, $12 a doz.; 7-in., $2 each; 8-in., $3 each.

ARAUCARIA Glauca, 6-in., $1.25 and $1.50 each; 6½ and 7-in., $2 and $2.50 each
Compacta, 5½ and 6-in., $1 each.

BOXWOODS, 15c., 20c., 25c. and 30c. each.
Pyramids, $3 to $10 a pair.
Standards, $2, $3 and $4 a pair. .....

CIBOTIUM Scheidei, 6-in., $2.50 each; 6½-in., $3 each; 7-in. $3.50 each.

FERNS, Boston, 7 and 8-in. pots, 75c. and $1 each.
Scottii, 6-in. pots, $6 and $9 a doz.; 7 and 8-in., $1 and $1.50 each.
Scholzeli, 6-in., $6 a doz; 6½-in., $9 a doz.; 7-in. $12 a doz; larger, $1.50 each.
Whitmani and **Piersoni,** 75c., $1 and $1.50 each.

FICUS Elastica, fine plants, 6½ and 7-in., $9 a doz.

PHOENIX Roebelenii, 4½-in., $9 a doz.; 6½-in., $12 a doz.; 6-in., $1.50 each.

KENTIA Belmoreana and **Fursteriana,** from 75c. to $5 each.

RHAPIS Humilis, $1.50 to $5 each.

COCOS Weddeliana, large, from 2 to 4 ft. high, $1.25 to $6 each.

Cash with Order, Please. All Goods must travel at the purchaser's risk.

ANTON SCHULTHEIS

316 Nineteenth St., COLLEGE POINT, L. I., New York

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ASCHMANN BROS.

FLORISTS

SECOND and BRISTOL STS. and RISING SUN AVENUE, Philadelphia, Pa.

We have now nine large greenhouses stocked with the finest of plants, well grown for the Fall and Winter trade.

NEPHROLEPIS Scottii, 5½-6-in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis, 6-in. 50c.; 7-in. 75c. each.
NEPHROLEPIS Whitmani, 4-in. 20c.; 5½-6-in., 40c and 50c. each.
NEPHROLEPIS Scholzeli, 6-in., 50c. each; 4-in. 20c. each.
Our ferns are all pot-grown, fine bushy stock.
ADIANTUM Hybridum, 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus Nanus. 4-in., $8.00 per 100.

PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis, 4-in., $8.00 per 100.
KENTIA Belmoreana, 4-in., fine plants, 30c. each.
COCOS Weddelliana, 3-in., strong plants, 20c. each.
ARAUCARIA EXCELSA, 3-4-5 tiers 5½-in. pots, 50c, 60c. and 75c. each; fine plants, good value for the money
FICUS ELASTICA, Rubber Plants, 5½-in. pots, 35c. and 40c. each.
SOLANUM, Jerusalum Cherries, 5½-in. pots, 25c. and 35c. each; full of large berries.

Cash With Order Please.

Our greenhouses are located only four miles from the center of Philadelphia (Market St. and we can ship promptly from any express office, freight line or steamship company

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown; they are very fine and bushy, just loaded down with berries, $15.00 and $25.00	
DRACAENA Indivisa, field grown, 4 to 8 in. size.....$8.00, $20.00 and	25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

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CHRISTMAS STOCK

SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

The Week's Work

BY

FRITZ BAHR

Euonymus Japonicus

One of the Greatest Decorative Plants the Florist Carries

Some day we shall fully appreciate the value of this most useful of plants. It is as "old as the hills" and yet so little known. I often wonder why the retail grower does not pay more attention to it; there isn't another plant, outside of an Aspidistra, which can stand more rough usage in decorating; as a foliage plant it is of great value, especially its variegated form. Plants which have been used all Winter, and more or less roughly handled while traveling from one decoration to another, when cut back a little in Spring, and planted out are in perfect condition again by Fall, and when potted up are ready the following day to be used again. What other plant have we got to equal this? Boxwood, Aucubas or Laurel are not in it, for either beauty or durability with this Euonymus. Out of 40 or more species belonging to this family the florist has little chance to get acquainted with but few. If he handles nursery stock, E. Americanus—the Strawberry or Burning Bush—is a valuable shrub; and E. Radicans is being extensively used for the same purpose as Ampelopsis Veitchii, or Boston Ivy, to cover stone walls. However of greatest value to the florist is E. Japonicus, and far more of them should be grown; every retailer should have a few dozen specimens, ranging from 3 ft. to 6 ft. in height, on hand. During the Winter months, when it is, perhaps, too cold to risk a lot of valuable Palms for decorating some hall or place where heat is not too plentiful, the Euonymus "looks mighty good to us." If you happen to have a few plants on hand and you wish to work up a stock, the present is a good time to propagate. One plant in a 6-inch pot will furnish great quantities of cuttings. This year's growth cut up into lengths, having two or three eyes will answer for cuttings, besides the tops. Use seed pans, or flats, filled with sand for the cuttings, and place them in a cool house. It will take several months before all of the cuttings are rooted. This does not matter, for one thing is certain—you will lose less in this manner than when trying to root in a warmer house. The young stock potted up when rooted, and planted out in the field, will make nice, bushy plants about one foot in height by next Fall. If you haven't stock on hand, get some; your place is neither too small nor too large to make room for them.

Poinsettias

Notes on Their Culture

The plants are forming their bracts, and soon will brighten up once more the dull days to be expected from now on. The more careful we are with watering, the more even the temperature, the better the results. The plants in pots and especially the made-up pans should have a night temperature of about 60 degrees; the plants which have been grown in benches all Summer can get along nicely with a few degrees less. Don't use the water as it comes out of the hose. Some growers claim it doesn't matter, and it might not; and yet, whenever you grow a plant in a 60 degree temperature up to 70 and 80 or over during sunny weather, it can't be good to chill the soil by giving it a dose of water which is near the freezing point. It would seem that this is just as bad as an ice-cold wind striking the plants on top, and I can't believe but what the stock is as much, if not more affected by it. The safest way is to provide facilities which will make it possible to at least take the chill off the water, but the warmer it is applied the better. Don't overlook the feeding. Most growers have found out that the stock is greatly benefited by light doses of cow manure. If you are going to have plants shipped to you it won't do a bit of harm to remind the shipper of the necessity of packing with the utmost care, so as to avoid chilling the plants—and the sooner you get the plants the better; the weather isn't likely to get much warmer

Lily of the Valley

Forcing Pips into Bloom for Christmas

When one has the privilege of going through a Valley house of a specialist, and examines the methods employed there, in order to allow of cutting every day so many hundreds or thousands of flowers, it seems awful to go home and look at the facilities there, and think of the troubles we encounter when forcing only a few pips. And yet, wherever a bottom heat of 85 degrees can be maintained, and either Valley in pots, or cut flowers are in demand, it pays to force them. While the average florist may lose a few, or will have to buy on the open market, whenever a large order is taken, there is still money to be made in having a few of one's own to depend on. For Christmas, Valley in pots is very desirable. If at all well grown a 6-inch pot with several dozens of flowers, trimmed with red waterproof crepe paper, always sells. If not on hand, order some cold storage pips from your supply house. One can make use of the freshly imported stock, but it is rather early yet to force them with as good results as the cold storage pips. You can figure on four weeks, rather a little over, from the day the pips are planted in the pots and the time they are ready to sell. A few days in a warm, light house after they leave the forcing frame will add a great deal to the flowers as well as the foliage. As stated above, perhaps the main thing is to be able to maintain about 85 degrees for bottom heat, with a few degrees less on top. Keep the forcing frame dark so as to get the proper length of stem, and if you are a beginner do not make the mistake of watering with water of a less temperature than the bottom heat of the frame—10 degrees more is really better. One might describe what is necessary to do successful forcing, but there is, after all, no better way than to force a few batches in order to gain experience. There is no secret to it, and failures result not so much from not knowing how as from negligence or oversight; and if you don't pay the strictest attention to the proper heat and watering, there is trouble.

Calceolarias

Their Requirements From Now On

If you have a nice lot of small plants of Calceolarias on hand, avoid a high temperature; 45 degrees at night should be the limit—a few degrees lower will not do as much harm as the same above. To have Calceolarias at their best, the plants at all times should be allowed all the room necessary to develop good foliage; without this, no matter how fine the flowers, the plants are not perfect. Don't permit any yellow or otherwise defective foliage to remain on the stock. Perhaps no other plant is harder to rid of green fly, when once it has a good dose of it, than the Calceolaria. Small doses of fumigation will not be effective, and heavy doses might ruin the foliage; and while you can spray, with Aphine or nicotine solutions, most of the plants generally grown by the average florist, with excellent results, the leaves of the Calceolarias being so close to the pots it is very difficult by spraying to reach the hiding places of the insects below the leaves—and if you find them anywhere it surely will be on old half decayed and deformed foliage. There is something unsightly about tobacco stems lying between the pots on a bench, and yet with the Calceolarias they answer almost better than anything else to keep the plants free from green fly—and that means so much. One can grow Calceolarias in almost any porous soil, and yet a mellow loam mixed with one-fourth of leaf-mould and sharp sand is to be preferred. As from now on the plants are making a rapid growth, if at all given a chance, it is advisable to keep them shifted. Good 2½" plants can go at once into 4's, or 3½" stock into 5's. They are particular about drainage, so look out for this; a one-inch layer of small pieces of broken crocks in the bottom of the pots is none too much. While we sell but very few Calceolarias, there isn't anything we have in the show house, when they are in bloom, which attracts more attention from our customers, and whenever you have anything of this kind on the place it is the best advertisement you can have, and is bound to help sell other things; this alone should be reason enough for growing a few.

Cinerarias

Still of Value to the Florist as Show Plants

What holds good in regard to the Calceolarias is practically true of the Cinerarias. They both love a cool, rather moist atmosphere during the Winter months. Heat in excess will soon ruin either of them, and both are grown by most of us, not for the money there is in them, but because they furnish such excellent material for the show house during the Winter and early Spring months. While the foliage on a Calceolaria, when well grown, is beautiful, this can hardly be said of the Cineraria, and yet even it might be called coarse. Nothing is added in the way of beauty when once infested with green fly. There is only one thing to do, and that is to keep this pest away, by tobacco stems, regular light fumigations, or spraying.

Cinerarias love a rich but well-drained soil, and plenty of root room. No matter how one feeds them, whenever grown in too small pots the lower leaves are bound to become yellow. The plants intended for early blooming are now in 5" and 6" pots, and a Carnation house is about right for them as far as temperature is concerned. If they are in their flowering pots and the small buds are just visible, a light dose of liquid cow manure every two weeks is just what the plants need to maintain good, deep, green foliage and produce large flowers. The small stock intended for early Spring blooming should not be allowed to get pot bound in any stage; this would result in stunting the growth, and when this once happens buds will form and no shifting into larger pots or any other treatment will induce the plants to grow much more. Provide good drainage for the pots; and mixing with the potting soil a good dose of bonemeal, at the rate of 7" or 8" potful to every barrow of soil, won't do a bit of harm. No matter how small or large the plants may be, don't crowd them; if you are short of room it is by far better to grow a less number of plants and have them good than to spoil the whole lot by crowding them so as to produce a straggly growth.

Genistas

A Low Temperature Will Suit Them Best For the Present

The Genista, or, called by its proper name, Cytisus Canariensis, is still a great favorite with many growers. While like the Calceolarias and Cinerarias, it isn't by any means what one might call a desirable house plant, yet loaded down with its golden flowers, it is a great show plant, and in spite of poor keeping qualities great numbers are sold each Spring, and especially at Easter. Cuttings taken from now on and placed in sand in a cool house will root nicely, and such stock will make, with only ordinary care, good plants for another year. While one can propagate the Genistas also from the soft growth made indoors later on, there is less loss now. The plants intended for blooming this Winter and next Easter should be kept in a low temperature for the next two months at least. A good deep coldframe, where frost can be kept out, answers as well for them as the best greenhouse on the place.

Cypripedium Insigne

A Valuable Orchid and One Every Retail Grower Should Have

Whenever a customer wants a centerpiece a little different from one made of Roses or Carnations, and yet not too elaborate, a few Cypripediums with Maidenhair Ferns will fill the bill to perfection, no matter what color the lamp shades or table draperies may be, or whether a yellow, blue or red room is made use of. The Cypripediums go with anything as far as color is concerned and form a paying proposition even to the small retail grower. Their blooming time, which is at hand, couldn't be more suitable for disposal of every flower to good advantage, and it matters not just when you cut the flowers, for their keeping qualities are unsurpassed. "Cyps" are also of the most easy culture, and can be successfully handled anywhere, as long as you can maintain about 55 degrees at night. Of all the Orchids they are, perhaps, the easiest to handle, and the best paying ones, where they are treated as a side line. Give the plants from now on a little food—weak doses of liquid cow manure—and all the sun that will shine.

Callas

Plants in Pots Will Furnish the Most Flowers

If you want all the flowers there are in the plants, you have the stock now in 6" pots in a Rose house, and the warm end at that. What is, perhaps, of as much importance as anything is a sunny spot. Don't imagine that the Callas will do well in a certain place just a little too shady for Roses; this is a mistake. They may do fairly well there, but not anywhere near what they will in the full sunlight. If the pots by this time are full of roots, the plants are ready for flowering. To repot them into larger sizes would only mean a new growth, more leaves, and fewer flowers. Keep them in the present pots; that is, if they are of fair size. A 5" pot is hardly large enough, but a 6" will answer nicely for the average sized plants. What one has to pay particular attention to when growing the Callas in pots instead of planting them out into benches, is the watering. They need a lot of water, and when neglected in that respect will soon present a sorry sight. You may let a bunch of Roses or Carnations go, in Winter time, for several days without water; a Calla, however, in a Rose house temperature needs water every day, and a good dose of it at that. It is also important, if you expect the plants to keep on blooming, not to overlook the feeding; heavy doses of liquid cow manure once a week, will give results better than anything I know of, and when you attend to this and the watering faithfully, and have the plants in a warm, sunny house, Callas will pay.

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 13 varieties, mixed, fine plants, $5.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $5.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 5-6-7 in. pots, **Boston, Scottii** and **Whitmani, Elegantissima,** etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including **Little Beauty** and **Storm King,** $2.50 per 100.
GERANIUMS, Beaute Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.
An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each.

FERNS FOR DISHES, fine assortment, 2½-in. pots, $3.00 per 100.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

JERUSALEM CHERRIES, 5-in. pots, full of berries, 20c. each.

DAISIES Queen Alexandra and **White Paris,** 2½-in. pots, $3.00 per 100.

HELIOTROPE, Dark Blue and White, 2½-in. pots, $3.00 per 100.

ROOTED CUTTINGS FROM SOIL, $1.00 per 100, of: HELIOTROPE Dark Blue and White, VARIEGATED VINCAS, FUCHSIAS in 4 varieties, **GERANIUMS,** Assorted varieties, and **Hardy ENGLISH IVY.**

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

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GERANIUMS

S. A. Nutt ..... $11.50 per 1000
Ricard and Poitevine..... 14.00 per 1000

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order, or send ten cents for samples.

COLEUS

Verschaffeltii & Golden Bedder. $7.00 per 1000
Standards, in assortment..... 6.00 per 1000
Giant-leaved, the best collection in the country, at $1.25 per 100 or $10.00 per 1000.

Cuttings will be well rooted, of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms Cash.

ALBERT M. HERR, Lancaster, Pa

Please mention the Exchange when writing.

GERANIUMS

RICARD S. A. NUTT BUCHNER

From 2½-inch pots

Extra Fine lot of Strong, Cool-Grown Plants
$2.25 per 100, $20.00 per 1000

Order Now—Address

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OXFORD DEPOT (Orange County), N. Y.

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Baltimore

Business keeps up well, especially funeral work. Market trade holds out well also and there seems to be a good supply of flowers on the market. Arrivals find a ready sale. 'Mums are still heavy in supply and move fairly well. Roses and Carnations are showing improvement and many are expecting that good crops will be on hand for Christmas. Callas are coming more regularly and find ready sale. Greens of all kinds are plentiful, especially Asparagus.

Fire broke out in the stable of G. Fauth, Woodlawn, Md., while he was in town on business. The stable was gutted, and a horse valued at $200, wagon and harness, with many tons of hay and straw and other feeds were burned. He had little insurance, and the loss amounts to over $2000. Mr. Fauth has two greenhouses and grows some nice stock. He had some pretty fine 'Mums and disposed of all of them. He is using the benches for Carnations. He has a bench of Callas and Freesias, and a promising bench of Marie Louise Violets. He will also grow a lot of bulbous stock.

Fred Reitz, Franklintown, Md., is growing a quantity of bulbous stock, and is one of the heaviest growers here; he occupies many stalls in different markets.

Frederick Sedileich, Woodlawn, Md., is somewhat up against it. He is almost out of water; his well has had little water in it all Summer, and he is afraid he will have to dig another.

John Eberhardt, N. Howard st., had a very large decoration this week at Lehmans Hall.

The annual display of the Maryland Horticultural Society promises to eclipse any yet held. The exhibition will last five days, from November 28 to December 2, at the Fifth Regiment Armory. The building will be transformed into a flower garden. The local florists will take a prominent part in the affair and their displays will exceed any yet made. A 30-page program, showing the prizes which will be awarded, has been distributed and there is an increased amount of prize money to tempt a display of Maryland's best products. The indications are that there will be a record-breaking attendance.

The program includes addresses by many prominent residents of the State, and an address of welcome by Mayor Mahool. On Wednesday there will be a banquet, with band concerts. Prof. C. P. Close will have assistants in attendance prior to the show to superintend the placing of the exhibits.

Mrs. A. Locher, 2025 W. Pratt st., who has conducted a florist store at that address for the past six months, is now offering her place for sale. Business has been in every way satisfactory, but owing to Mr Locher holding a position with the park she is compelled to sell out, as the family will move to Clifton Park about Jan. 1. J. L. T.

(Concluded on Col. 4)

F. E. — Alert and Up-to-Date

Aphine

The Insecticide that Kills plant Lice of every species.

CANADIAN FLORISTS.

Messrs. Hall & Robinson, of Montreal, state:—"Aphine is superior and much cheaper than any other insecticide we have ever used."

Messrs. P. McKenna & Sons, of Montreal, say:—"We use Aphine in preference to any other insecticide; one advantage being that it is free from the disagreeable odors of tobacco products."

APHINE is sold by

DUPUY & FERGUSON,
Montreal, Quebec.

Thomas A. Ivey & Sons, Ltd.,
Port Dover, Ontario.

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Please mention the Exchange when writing.

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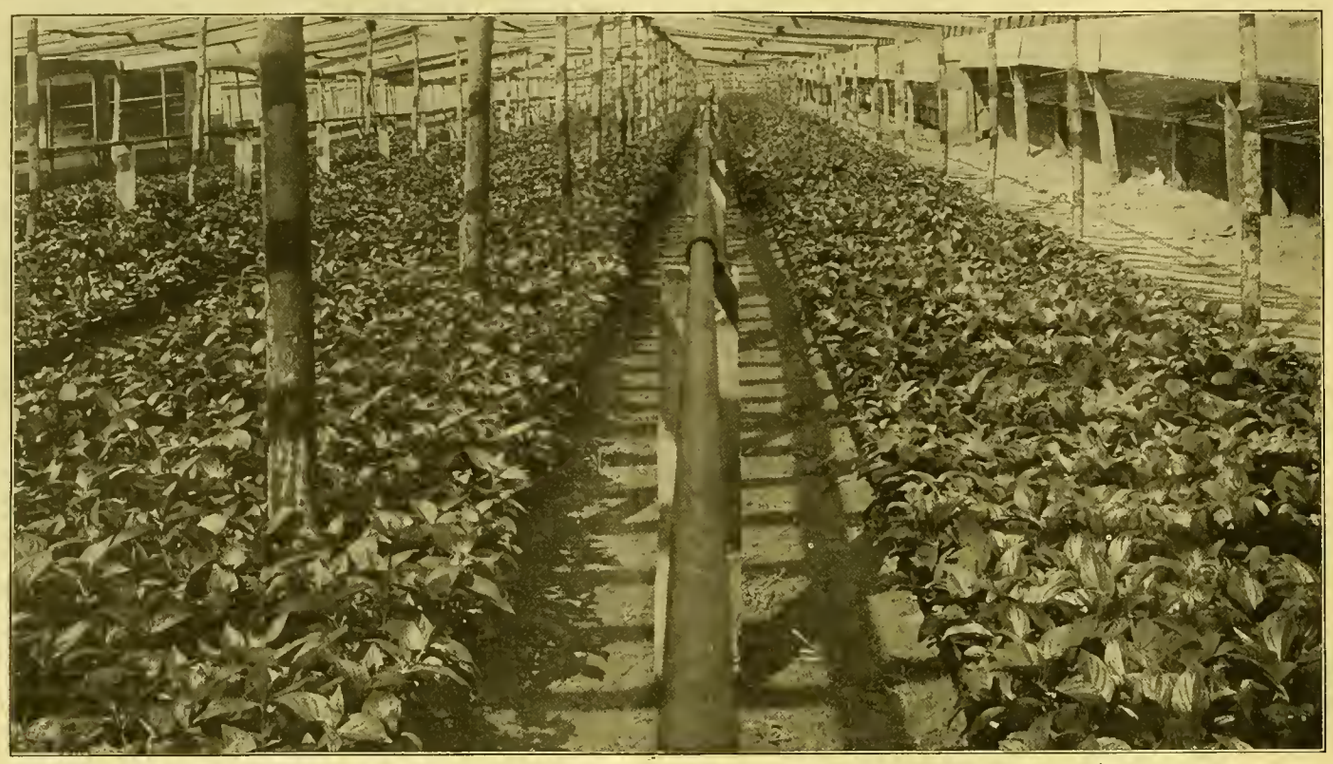

HYDRANGEA OTAKSA

—A fine lot in six-inch pots, grown outdoors, ready for delivery now. 25,000 plants in the lot shown above—the *identical* plants offered for sale below:

With 4 branches, $15.00 the hundred.
With 5 and 6 branches, $20.00 the hundred.
With 7 to 10 branches, $25.00 the hundred.

PROFITABLE PLANTS FOR EASTER AND DECORATION DAY . .

Jackson & Perkins Company, Wholesale Florists Newark, New York

Please mention the Exchange when writing.



BY EBER HOLMES

Propagate Cuttings of Own Root Stock

Where Roses are grown on their own roots, the present is a good time to put in cuttings, for the following reasons: There is generally an abundance of good wood on the plants at this time of the year; a little of this may often be removed with advantage to the plants, allowing the sun and air to get among them, and the best of this wood will, if rooted now, make good strong plants for use early next season. Pink and white Killarney do well in this way, as also do My Maryland, Mrs. Aaron Ward, Perle des Jardins, and all varieties which succeed on their own roots. These are easy to root now and will make strong plants by the first of March.

Preparations for Grafting Stock

Everything should be in readiness for potting and starting the Manetti stock, which will soon be here. It is reported that some of the French growers of this stock are dropping out on account of the low prices obtained, which will have a tendency to stiffen prices in the future on French grown Manetti. English grown stock is reported fairly plentiful this year. As soon as stock is received it should be unpacked and as much of it potted as can be handled. Pot two or three times as much as your grafting case will hold, so that you may have plenty to pick from, as the plants start slowly at this time of the year; otherwise, you will have to wait for stock and will lose valuable time. The early plants are by far the best, and are brought through with the least loss. Start the stock in a cool airy house, in a night temperature of 46° to 50°. Any plants not potted now may be left in the cases, in a cellar away from frost, or may be unpacked and buried in loam until wanted.



The Recent Flower Show of the Hort. Soc. of New York
Vase of 25 'Mum Blooms Arranged for Effect; H. M. Tilford, Tuxedo Park, N. Y., first

Encouraging Winter Blooming

There has been a great change in weather conditions during the past few weeks. From warm, sunny October we have almost imperceptibly drifted into dark November, the days are getting very short and cold, Nature is preparing for her Winter rest and sleep, and when we undertake to make Roses bloom all through the Winter we are working against Nature. It is for this reason that we keep our fires going later in the morning, and are obliged to start them earlier in the afternoon. A good growing temperature must be maintained steadily day and night, or some varieties will go to sleep; and if this happens it is hard to awaken them before Spring. Richmond, and the Killarneys, should never have a lower night temperature than 58°, some growers favor 60°. My Maryland, of course, does better in Midwinter in a higher temperature, 65° to 70° being given it by some growers. Where so much fire heat is applied there is always a greater tendency toward red spider, and the hose must be used carefully to keep down this pest. Water at the roots is also needed to greater quantities where a higher temperature is maintained; a great many growers fail on this point. A high temperature is detrimental unless there is sufficient moisture in the air and soil to keep conditions properly balanced. Take notice of the ends of beds and benches, especially where heating pipes run underneath, or close to the benches. These places will often dry out much faster than the rest of the house. The sun is so weak now that, often, after syringing a house the plants will not dry off properly. In this case, if there is any doubt about the plants getting dry it is advisable to go over the house before noon and knock or shake off the surplus water. Sometimes this can be accomplished by taking hold of the wire supports and shaking them, or a short piece of hose may be used to strike gently among the bushes, which will knock off the surplus water without hurting the plants. In some houses and under certain conditions it is not necessary to do this, but if you want to see your plants dry before nightfall, this treatment will help the process of drying. A little steam heat, and air, whenever possible, will also help.

Mildew ought to have disappeared by this time; it is well to keep a little sulphur on the pipes, but use as little as possible now or the color of the flowers will be spoiled. Color is liable to be poor during these dark days; if the plants remain wet overnight the color of the flowers will suffer, although there is nothing that will discourage red spider so much as foliage wet all night. We cannot commence to syringe so early at this time of the year, for the houses do not warm up quickly. It is advisable to wait until the temperature reaches 70°, with the prospect of rising, before commencing this operation.

At this time, when we need all the sunlight we can get, it is well to wash any dirty glass, inside or out. It is surprising what a difference this makes to a house.

Stimulating Growth

A little stimulant at this time will help along the Christmas crop. A light sprinkling of wood ashes is often beneficial; this will lengthen out the stems and improve the color of the flowers. If applied before water is given the benefit will soon be apparent. Soot is a valuable fertilizer and will promote growth, while imparting a dark green color to the foliage and greatly improving the color of the flowers. Soot may be used by placing it in a bag and



DREER'S SPECIAL OFFER of BOXWOOD

In spite of the scarcity of Boxwood, of all forms and sizes, we were enabled to secure good quantities at best possible values. The plants are in excellent condition.

Bush Form Boxwood

10 to 12 inches high	$20.00 per 100.
12 to 14 inches high	30.00 "
16 to 18 inches high	50.00 "
18 to 20 inches high	75.00 "
22 to 24 inches high	1.00 each.
26 to 28 inches high	2.00 each.
30 to 32 inches high	3.00 each.

Ball Shaped Boxwood

14 to 16 inches diameter	$1.50 each.
18 to 20 inches diameter	4.00 each.

Pyramid Shaped Boxwood

3 feet high, 14 inches diameter at base	$2.50 each.
3½ feet high, 16 inches diameter at base	3.00 each.
4 feet high, 18 inches diameter at base	4.00 each.
4½ feet high, 20 inches diameter at base	5.00 each.
5 feet high, 20 to 22 inches diameter at base	6.00 each.

Standard Boxwood

Stems, 16 to 18 inches high, crowns 12 inches diameter	$2.00 each.
Stems, 20 to 22 ins. high, crowns 14 to 15 ins. diameter	3.00 each.
Stems, 20 to 24 ins. high, crowns 16 to 18 ins. diameter	4.00 each.
Stems, 20 to 24 ins. high, crowns 30 to 32 ins. diameter	10.00 each.

Pyramid Buxus Latifolia

4 to 4½ feet high, 18 to 20 inches in diameter at base...$1.00 each

For a list of seasonable stock offered by us see our current wholesale list.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

Please mention the Exchange when writing.

soaking same in the manure water tank; or it may be mixed with loam and spread thinly on the benches. Bonemeal, if of good quality, is very valuable in the production of flowers. Unfortunately, there is often put on the market bonemeal manufactured from bones which have been steamed and have lost a part of their value, or, what is worse, from bones which have been treated with acid, rendering them altogether unfit for use inside. These fertilizers are for use on active growing crops, and are in addition to the regular weekly manure waterings. Any plants that are sick are not to be fed in this way, or the chances are that they will get worse.

Keep the Benches Clean

It is necessary to keep everything clean, and see that all rubbish and dead leaves are removed to get the very best results at this time of the year. The plants and the soil need every bit of sunlight and air that they can get, and it pays to do everything you can to keep things in the best possible condition. Avoid putting a heavy mulch on the plants during these short days. While this has often been done and plants have thrived in spite of it, it is not considered good practice to cover the roots of Teas and Hybrid Teas with a heavy coat before the first of March.

Protection of Outdoor Roses

It is time that all Roses outside are protected for the Winter. By this is meant all of the kinds which need protection. The Hybrid Teas, so many of which are now grown outside, may have the soil drawn up to them around the base of the plants, and may be further protected by having a covering of coarse hay among them, on which may be spread a few light evergreen branches. If the tops are Winter killed there will be enough live wood left below the covering, from which new shoots will start. I have seen Roses in very exposed places Winter well with no protection, while others in sheltered locations are sometimes killed. One thing seems to be clear, which is that Roses, in common with a number of trees and shrubs, are injured by the hot sun and strong cold winds of March more than by the Winter's cold. Any standard or climbing Roses should be supported so that they will not be broken down by wind and snow. All dead leaves and rubbish should be removed and burned, especially if there was any Rose rust in evidence during the past Summer. If the Rose garden is in a place where water is liable to lie, which, of course, it ought not to be, provision should be made to minimize this trouble as much as possible. One of the first essentials in planning a Rose garden should be rich, well drained land. If any planting is contemplated in the Spring, plow or spade up the ground well before things freeze up for the Winter.

Some Rhubarb

The latest and finest Rhubarb we have is Challenge, one root of which I saw exhibited at Shrewsbury, the total weight of root and stalks being 114 lbs. At the recent Temple Show the raiser showed a root weighing 168 lbs.

T. A. W., Eng.

Florists' Exchange Numbers Wanted

The publishers of The Florists' Exchange will greatly appreciate receipt of issues of Feb. 29 and March 21, 1908; also of June 12, July 24, Aug. 14, Sept. 18 and Dec. 11, 1909, from any of their readers who may have copies to spare.



Chrysanthemum A. J. Balfour (pink) Exhibited by the E. G. Hill Co., Richmond, Ind., at the Show of the Horticultural Society of Chicago, Nov. 8 to 12, 1910

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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The address label indicates the date when subscription expires and is our only receipt therefor.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 6 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Owing to the Thanksgiving Day holiday this issue will reach our Western readers late. We much regret this unavoidable delay.

Sixty Years of Retrospect

We regret to announce a delay in the publication of the reminiscences of Stephen Taplin, owing to the ill health of that gentleman. We trust soon he will be able to continue his story, which has evoked much interest in the trade.

The Holmes Seed Co. Suffers Fire Loss

On Tuesday, Nov. 22, a fire, which gutted three structures, inflicted a loss of $15,000 on the store and offices of the Holmes Seed Co. of Harrisburg, Pa., located at G. N. Market square. Mr. Holmes reports that the loss is fully covered by insurance. The company's mailing list, a valuable asset, and all other papers, were safely removed. Extremely fortunate was the fact that $20,000 worth of seed had been removed to the new warehouse some three weeks previous. The loss incurred was principally by water, and the company will be ready for business within ten days. The company, through Mr. Holmes, returns sincere thanks for the many kind words of assistance which had already been received at the time of our inquiry.

S. A. F. and O. H., Baltimore, 1911

The following local committees and officers have been appointed to arrange for the 1911 convention in Baltimore:

Finance—Chairman, R. Vincent, Jr.; C. L. Seybold, Geo. Morrison, E. A. Seidewitz, J. Boone, J. Hamilton, Wm. Johnson, Phillip B. Welsh, J. L. Towner, Wm. Feast, J. J. Perry, O. Harrison.

Entertainment—Chairman, Robert Halliday; R. L. Graham, I. H. Moss, N. F. Flitton, J. L. Boone, F. Bauer, Wm. Christie, Wm. Fraizer, Geo. Morrison, J. Nuth, Wm. Lehr.

Reception—Chairman, R. L. Graham; G. Morrison, J. Halliday, J. Cook, Jr., G. Talbot, Wm. Johnson, R. Halliday, M. Hannigan, J. Glass, C. Wagner, J. Keplinger, J. Rider, J. J. Perry.

Sports—Chairman, I. H. Moss; C. L. Seybold, J. S. Boone, J. J. Perry, C. Kleetch, F. G. Bauer, Henry Lehr, G. Kalb, M. Thau, T. Patterson, T. Stevenson, M. Richmond.

Souvenir program—Chairman, C. L. Seybold; Phillip B. Welsh, R. Vincent, Jr., G. O. Brown, J. L. Towner, C. Wagner, A. G. Fiedler.

Press—Chairman, G. O. Brown; N. F. Flitton, H. J. Quick, J. L. Towner, T. Welch, J. J. Perry.

Transportation—Chairman, John J. Perry; Charles Seigwort, Ed. Stevenson, Jas. Glass, Jas. Hamilton.

Advertising—Chairman, Phillip B. Welsh; Geo. O. Brown, C. Hess, W. G. Lehr, Gustave Lotz, Jr., G. M. Cook, Wm. Johnson, A. G. Feidler, Geo. Eberle.

Hotel—Chairman, Fred Bauer; H. Klein, H. Fischer, C. L. Seybold, Wm. Christie, Jas. Boone.

Secretary—N. F. Flitton. Treasurer—F. G. Burger. Superintendent of trade exhibits—M. Richmond.

An Opening Wedge for Parcels Post

In a despatch from Washington, dated Nov. 24, to the New York Herald, it is stated that: Mr. Frank H. Hitchcock, the Postmaster-General, will ask in his annual report this Winter for a special appropriation at the forthcoming short session of Congress for an inquiry into the nature and volume of business that would be handled by a parcels post system should it be established in this country. He will also renew his recommendation of a limited parcels post system to be put in operation at once.

In a statement issued today Mr. Hitchcock says: "As the preliminary step in the development of such a service I hope Congress will authorize the delivery on rural routes of parcels weighing as high as eleven pounds, which is the weight limit for the international parcels post. This form of service can be conducted with little, if any, additional expense to the Government. It will not require the appointment of more carriers, for those already employed have the necessary equipment in the way of horses and wagons to distribute the parcels as well as the ordinary mail.

"Rarely is the latter of sufficient volume to take up more than a small portion of the mail space in the carrier's wagon. A rural parcel post of the kind proposed, if successfully conducted, would probably lead to a more general system."



Hydrocyanic Acid Gas in Greenhouses

Editor The Florists' Exchange:

You have been very kind in answering questions for us, and as no one else seems to be giving their experience with hydrocyanic gas, let us give ours.

Our first experience was according to the formula found in Mr. Scott's book. It effectively killed all insect life, and also much else: Sweet Peas and Tomato plants were killed; Geraniums, Asters and some other small plants were cut back; Carnations, Ferns and Callas were not damaged. We tried that way twice with the same results.

Then we saw in The Florists' Exchange of Nov. 13, 1909, a homeopathic method of applying the gas. An application made as directed did not hurt anything in the house and was so effective that we needed to apply the gas only twice during that season, or until the weather enabled us to keep down aphis and red spider by spraying. At the time of applying we had in the house Carnations, Callas, Geraniums, Fuchsias, Ferns, Sweet Alyssum, Snapdragon and Sweet Peas. We shall use the same method this Winter.

This is what we understand you ask for—experience and results of using hydrocyanic gas.

Provincetown, Mass. J. & A. E. BIRAM.

[We are much obliged to the Messrs. Biram for their testimony as to the efficiency of the treatment prescribed by J. F. J. in our issue of Nov. 13, 1909, which is that practiced by a very successful gardener in houses containing several kinds of plants. Now that one firm has given us their results, for the general good, let us hear from others.—ED.]

Editor The Florists' Exchange:

Almost each issue of The Florists' Exchange presents questions on hydrocyanic acid gas fumigation, and although I have been a subscriber for only one year to your paper, I feel that I could be of service to the growers who desire such information. One can never fumigate a house successfully on written advice; this I know from other growers' experiences.

The Horticultural Department of the New Jersey Experiment Station, of which I am Station florist, Prof. M. A. Blake, chief, will be only too glad to give the New Jersey growers the benefit of their knowledge, free for asking, with a demonstration on their own place (for expenses).

We have run all sorts of experiments on Roses, Carnations, 'Mums, Ferns, Geraniums, etc.; practically on all plants which are in commercial use.

Many of the florists of the State do not realize that we can be of service to them in every department of floriculture (so to speak) and the wide experience and practical knowledge of floriculture and horticulture as given here would warrant a visit of inspection to all who are interested in greenhouse work for the advancement of the florists' interests. D. MANBY JOBBINS, Station Florist.

N. J. State Exp. Station, New Brunswick, N. J.

Editor The Florists' Exchange:

I have read in the question box in the EXCHANGE so often how to use hydrocyanic acid gas, and in looking over the EXCHANGE, number after number, I do not find any of the craft giving replies as to their method of using the gas as requested by you in the issue of Nov. 5, so I will give my experience.

First, those using it must be very careful, as it is a deadly poison; one inhalation of the gas will kill a person on the spot, as the fumes act on the heart.

I have a house 112 x 18 ft., and 8 ft. to the ridge, planted with Tomatoes, 500 plants; the white fly was very troublesome until I commenced to use the gas. I have no flies now. I use for the above size of house two 4-qt. jars (these must be of stone). I put in each jar 8 oz. water, 4 oz. sulphuric acid, and 6 oz cyanide of potassium. I put the cyanide into paper bags, 3 oz. in each, and make a small hole in the bottom of them.

My jars are placed about 25 ft. from each end of the house and, as my houses are located along a public street, I do not start fumigating until midnight, when the travel is off. I drop one bag of cyanide in the jar next to the street, then hurry to the second, dropping a bag there, and get out at the end door, locking it securely. The house should not then be entered for six hours, and a few of the ventilators should be slightly raised for say 15 minutes before entering to work in it.

I treat my Carnation house the same as the Tomato house when it needs it. The gas will kill the green fly, also mice and rats.

The cyanide must be handled with care; a grain as big as a mustard seed will kill; the large pieces should be broken up to the size of hickory nuts. It is the only destroyer of white fly known up to the present time. It is a cheap and effective insect exterminator and easy to use if you are only careful not to inhale the fumes when preparing it.

When the sediment remaining in the jars is taken out, bury it a foot down in the ground as this still retains its deadly poison. The quantity of cyanide to use is one oz. to every 1000 cubic feet of space. It must not be used too strong or it will injure the plants and flowers.

F. C. PRIZER, Collegeville, Pa.

Comments on Our Dahlia Symposium

Editor The Florists' Exchange:

Your Dahlia symposium was great and I hope it will be repeated next year. Dahlias were fine here this year, blooming profusely from Sept. 1 until cut down by frost on October 28. M. J. GRAHAM.

Adel, Ia., Nov. 15, 1910.

Editor The Florists' Exchange:

Each year I find your esteemed journal more valuable. Particularly interesting was the Dahlia symposium, from a commercial standpoint, and the subject seemed to be well covered; but a few notes and suggestions covering my experience regarding Dahlias not blooming until just before frost, a condition we all hear of too often, may not be amiss. The Dahlia, to be a commercial success, must have the approval of the masses, when grown by them as well as at the exhibition. Much is said about the selections from the long list now in commerce, and also in regard to Garden Cactus varieties, but I find that while the selection is important, most failures are due to improper cultivation rather than to the varieties grown. Most people growing Dahlias do the things they ought not to do and leave undone the things they ought to do. The New England Dahlia Society is doing a good work in regard to the culture and development of the Dahlia, and as a rule its members are growing Dahlias successfully.

I always send cultural directions with orders, and I would emphasize the advantage to the trade of sending out such directions with each order, not only with Dahlias, but other flowers as well. Five years ago, in a good season, two parties ordered collections of Dahlias, and I furnished each with the same varieties, and sent cultural directions. I saw customer No. 1 in August, who told me that he was well pleased and had followed my cultural directions, and his Dahlias were blooming nicely; a month later I was told that customer No. 2 was reporting that my Dahlias were "bum." I visited his garden and found that he grew vegetables and Geraniums to perfection, and planted, grew, and watered his Dahlia plants in the same way he did his Geraniums. I gave him the name and address of customer No. 1 and he visited his garden, and the next season he followed my cultural directions, also the year following. My largest order came through his recommendation from a party seeing his Dahlias in bloom; they were the same stock and varieties that were "bums" and no blooms the first year.

Still, there is much in selection of varieties sent out, and what the masses want is the Cactus variety, Dahlias that will grow and bloom like decorative Dahlia Princess Victoria Louise. I have always found that Cactus Dahlias for garden and home decoration, like Charles Clayton, Amos Perry, Delicatissima, Aurora and Mrs. H. J. Jones, give satisfaction when planted right, and well cultivated, without thinning and disbudding; but we have to grow too many at a loss to get a few of this sort to give satisfaction, and, sometimes, when private growers make selections from an exhibition garden where varieties are grown to perfection by an expert, meet with disappointment.

I try out quite a number of new varieties to get a few.

My trial and exhibition garden is arranged to show the usefulness of each class and if I have a surplus of stock varieties that I know will give satisfaction, I give such a prominent position. Last year I had a surplus of good Singles, and I planted a bed of Wildfire, four rows deep, cutting back front rows, and it attracted more attention than the beds of Cactus from automobiles passing, and the demand for Singles is being kept up. This year I planted a round bed, 16 ft. diam., center Peony Dahlia Glory of Baarn, and border of Cactus Dahlia Kaizerkinds cut back which attracted attention. I test my new varieties in good ordinary soil, without thinning or disbudding, using no manure or water, giving good cultivation; the drier the weather the more I push the hoe, and I find that when Dahlias do well tested this way they give general satisfaction when sent out and grown by others. But with the Cactus it is hard to get what is wanted from the long lists, especially with stems and substances for a cut flower trade. The private grower does not care so much whether blooms keep two days or a week, in fact his greatest pleasure is to cut fresh flowers every morning; but what they do want is more flowers to cut when the old ones are gone.

The Dahlia symposium of The Florists' Exchange was a step in advance. Among other things it showed that even with trial grounds many varieties act differently in various locations, and is useful in showing up varieties that do well universally.

In the discussion of a trial ground last year—which, to be successful, must be financially well assured and largely removed from commercialism—it was stated that anyone could have a new seedling tested at any reliable grower's trial grounds, with proper safeguards. This is true, but it will not be done so long as it is easier by our present methods to obtain an award in recognition of a new seedling by an exhibition of sample blooms, without any information as to how much it cost to produce those blooms, or, perhaps, along in October, when most flowers are good, without any information as to how the new variety would give satisfaction earlier in the season when blooms are most needed.

The growing of exhibition Dahlias, and showing of sample blooms, has done much to create interest in growing Dahlias, but in addition I would suggest that the various horticultural societies get their heads together and consider ways and means to induce growers and exhibitors to make sufficient sacrifice to enable them to exhibit a certain number of each variety in tall vases with buds and foliage, to give the judges and the public better information in regard to the habits of a variety. In the case of the recognition of a new seedling, it might be well, if practicable, to exhibit a plant growing in a pot or tub, to show its habits, together with a vase of sample blooms cut from the garden, to show their keeping quality, etc.

If some scheme could be formulated and adopted that would give our judges information to enable them to judge all points of a new variety, as to the purpose for which it is adapted and intended to fill, we would have less trouble with long lists. NATHAN A. MILLER.

Branford, Conn.

National Sweet Pea Society (British)

Editor The Florists' Exchange:

The annual meeting of the members of the National Sweet Pea Society (British) will be held at the Hotel Windsor, London, on Thursday, December 15, and any friends from your side who may be in London at that date will be heartily welcomed.

The business meeting will be held during the afternoon, and will be followed by the inevitable dinner, after which a conference will be held, when papers dealing with interesting subjects connected with the work of the Society will be read and discussed.

It has been decided to continue the Society's trials at the Times Experimental Station, under the care of the Superintendent, Chas. Foster, but in future samples will only be accepted for test from members of the Society. As, however, the fee for membership is only one dollar (which includes a copy of all the publications of the Society) this wholesome regulation will not act as a hindrance.

The additional fees for making the tests and reporting on the same are: "Novelties," 2/6 (60 cents); "Purity Trials," 10/ ($2.50), for each sample, and these amounts must accompany the samples; further particulars will be sent you in a few days.

The many friends of Mr. Foster will regret to learn that he has been seriously ill for several weeks past, and is making a very slow recovery. It is sincerely hoped that he will be sufficiently recovered by the date of the annual meeting to be able to attend and personally receive the handsome testimonial which is to be presented to him on that occasion. S. B. DICKS.

London, Eng.

Society of American Florists

Registration of Chrysanthemums

Public notice is hereby given that Elmer D. Smith and Co., of Adrian, Mich., offer for registration the Chrysanthemums described below. Any person objecting to the registrations or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registrations, the same will be made three weeks from this date.

Raiser's Descriptions.

Smith's Advance—Japanese; pure white; early, flowering from July 25th onward; commercial section.

Unaka—Japanese; incurved; silvery pink, in perfection Oct. 1 to 15; commercial section.

Chrysolora—Japanese; incurved; bright yellow, flowering Oct. 15 to 30; commercial section.

Paperwhite—Japanese; form ball shape; pure white, ready to cut Oct. 20 and later; commercial section.

Minta—Pompon; light pink, shade of Enchantress Carnation.

Morristown—Large Japanese; outer petals reflexing, center incurving; color light pink; exhibition section.

Oceanic—Japanese; very delicate pinkish salmon; outer petals reflexing, center incurving; exhibition section.

Glen Cove—Japanese; light lavender; outer petals broad and reflexing, center incurved; exhibition section.

Lenox—Japanese; incurved petals broad; inner surface bright yellow, reverse lighter; exhibition section.

Tarrytown—Japanese; incurved, light pink, slightly shaded salmon; exhibition section.

Poughkeepsie—Japanese; incurved; broad petals; creamy white; exhibition section.

Madison—Japanese; petals of extraordinary length, outer ones reflexing; creamy white, slightly suffused pink from later buds; exhibition section.

Dick Witterstaetter—Japanese; reflexed; bright crimson; commercial section.

H. B. DORNER, Secretary.

November 17, 1910.

Obituary

Rudolph Jahn

Rudolph Jahn, until a year ago with the Butler Floral Co., died at his residence on Wilson ave, Chicago, on Friday, November 18, after a lingering illness from dropsy. The funeral was held on Sunday. Until a few years ago Mr. Jahn was in business at Brooklyn, N. Y.

Charles H. Koeppen

Charles H. Koeppen, a florist of Columbia, Mo., died at the Parker Hospital in that city on November 16, after an illness of about three weeks. He was first taken ill with appendicitis and was relieved by an operation, then an abscess formed on his liver which primarily caused his death. He was a native of Germany, 46 years old, and had lived in Columbia since 1902. He was of an affable temperament, and popular with all who knew him. He is survived by a wife, son and three daughters.



At the Recent Minneapolis Flower Show. Exhibit by Holm & Olson, St. Paul, of Group of 25 Chrysanthemums, Single Sorts

Xmas Comes But Once a Year

One of the best advertising opportunities offers itself as Xmas and the New Year draw near as, in addition to the great demand for plants and cut flowers and their accessories and decorative stock, it marks the closing of the year and demonstrates the necessity of preparation for the next. Hence, to dealers in quite a number of lines the time is just right for strong leading announcements.

OUR

CHRISTMAS NUMBER

will be issued

Saturday, December Ten, 1910

AND WILL AFFORD AN UNEXCELLED

Advertising Opportunity

For All Enterprising Business Men

As usual, we will present attractive reading matter to make the occasion worth. The leading story will be

THE CONQUEST OF SCIENCE

Written expressly for this issue by Emily Louise Taplin. Naturally, it has to do with the florist's avocation. It will be found one of the most interesting ever written by the author, who is herself an expert in the art and is descended from a line of well-known florists.

Try a Large Bold Advt.

in this issue. As it pays others it certainly should pay you.

Advertisements for Xmas Number should be forwarded us early; Dec. 7 will be the very latest date we can accept copy for this particular number.

How much space shall we reserve for you?

Appreciating your many favors during the past years, we are,

Yours very respectfully,

Pubrs. THE FLORISTS' EXCHANGE

Nos. 2 to 8 Duane St., N. Y. City.



Chrysanthemum House at Establishment of T. J. Wolfe, Waco, Tex.

Flower Show of the Texas State Floral Society

The thirteenth annual show of the Texas State Floral Society was held at Waco, Texas, Nov. 9 to 12, inclusive.

The exhibition was very interesting and creditable in spite of the serious handicap of a long spell of dry weather, no rain to speak of having fallen since last June.

Too much cannot be said in praise of the president, Mrs. W. S. Plunkett, and the directors of the show with their able staff of assistants. To the zeal and untiring effort of these ladies is due much of the success of the undertaking. Mrs. E. R. Nash and Mrs. M. L. Winans accompanied the judge, Alex. Millar of Dallas, on his rounds of the exhibition.

T. J. Wolfe, who captured a large proportion of first premiums, has a fine modern uptodate plant of about 75,000 ft. of glass, where he raises Roses, Carnations, Chrysanthemums, Palms and other plants suitable for a retail trade. His place is very attractive, neat and clean, and the stock in fine healthy condition. The store in town is presided over by his capable sister, Mrs. Annie Wolfe Brigance, who is an artist in her line. Mr. Wolfe is a pushing, energetic young man; only a few years in the business, he has made a splendid success of it.

Chas. Mayer is another grower who received many awards. He grows a general collection of plants, which reflect great credit on his skill and industry, and his place is well worth a visit of inspection. He is ably assisted by his better half in a prosperous business. His plant is of about 10,000 ft.

Following are some of the awards:

Best and most artistically arranged collection of plants —1, Wolfe; 2, Mohan.

Best and most artistically arranged collection of Palms —1, Wolfe; 2, Mayer.

Best and most artistically arranged collection of Ferns —1, Wolfe; 2, Mayer.

In cut blooms Chrysanthemums, Wolfe took most of the first prizes, Mayer many second.

Cut blooms, Roses—1, Wolfe; 2, C. A. Kaserman.

Nathan Smith of Michigan had a fine display of cut 'Mums.

Structural design—1, Mrs. A. W. Brigance; 2, Mayer.

Mantel decoration—1, Mayer; 2, Mohan.

Table decoration—1, Mrs. Brigance; 2, Mayer.

A. M.

Minneapolis Flower Show

In giving the list of premiums at the show last week I quite overlooked one of the most important classes—Chrysanthemum plants—and will supplement my former report. The awards in this class were as follows:

Awards for Chrysanthemum Plants

Bush Form

Specimen white—1, Holm & Olson; 2, O. C. Swanson; 3, Park Greenhouses.

Specimen yellow—1, O. C. Swanson; 2, Holm & Olson.

Specimen pink—1, Holm & Olson; 2, O. C. Swanson; 3, Park Greenhouses.

Specimen red—1, Holm & Olson; 2, O. C. Swanson.

Specimen any other color—1, O. C. Swanson; 2, Park Greenhouses; 3, Holm & Olson.

Specimen Anemone—1, O. C. Swanson; 2, Holm & Olson; 3, Park Greenhouses.

Specimen Pompon—1, O. C. Swanson; 2, Holm & Olson.

Twelve plants, 6 varieties—1, O. C. Swanson; 2, Holm & Olson; 3, Park Greenhouses.

Standard Form

5 plants any color—1, Holm & Olson; 2, Park Greenhouses.

Best group for effect—1, Park Greenhouses; 2, Will Bros. Co.; 3, LaCrosse Floral Co.

Best Group 50 square feet, Single varieties, for effect. —1, Holm & Olson; 2, L. S. Donaldson Co.; 3, Park Greenhouses.

Group Pompon, 30 sq. ft., for effect—1, O. C. Swanson; 2, Park Greenhouses; 3, Holm & Olson.

Plants Grown to Single Stem

12 white—1, Holm & Olson; 2, Will Bros. Co.

12 Yellow—1, Will Bros. Co.; 2, Holm & Olson.

12 Pink—1, Holm & Olson.

Miscellaneous

Collection of Orchid plants in bloom—O. C. Swanson.

Collection of evergreens, in tubs, 20 varieties—L. L. May & Co.

The original intention was to close the show on Sunday afternoon, but at a late hour it was decided to keep open till Monday evening and have a sale of plants on Tuesday. The attendance on Monday evening justified the slight additional expense, while the sales on Tuesday netted several hundred dollars. All of the principal exhibitors contributed largely to the success of the show by donating all cut blooms remaining, as well as nearly all the blooming plants.

A certificate of merit was awarded Julius Roehrs Co. of Rutherford, N. J., for a group of rare plants, consisting of Celosia Pride of Castle Gould, Dracæna terminalis, D. Lindeni, D. Goldiana, Ardisias, Phœnix Roebelinii and Crotons. Special mention was also made of the Chrysanthemum hanging baskets used in the decoration of the pergola and furnished by the City Park Greenhouses. A certificate of merit was awarded the Hoskin Floral Co., of Bismarck, on 50 Enchantress and 50 White Enchantress Carnations, which arrived in perfect condition, too late for judging. Special mention is also made of 50 American Beauty Roses staged by Hess & Swoboda of Omaha, but not entered for competition. Mention should also be made of the panel executed by Hans Rosaeker, which was the framing of our lamented ex-Governor Johnson's picture with Killarney Roses and Valley. Certificates of merit were awarded to the Minneapolis Floral Co. for a basket of 'Mums, and to the LaCrosse Floral Co. for a vase of 'Mums arranged for effect. Honorable mention was given for L. S. Donaldson Co.'s basket of 'Mums, and to John E. Stere for a vase of 'Mums. Frank Berry of Stillwater was awarded second prize for 12 reflexed 'Mums; and L. L. May & Co. third on same.

VERITAS.

The American Carnation Society

The following registration of new Carnation has been made by P. M. DeWitt, Bridgewater, Pa.:

Pennsylvania.—Boston Market x Harlowarden. Color cerise, a little lighter than Mrs. Lawson. Size of flower, 2½ to 3 in. Free from all disease. Vigorous in growth. Long wiry stems. Blooms all Winter and seldom splits the calyx. Very fragrant and one of the best keepers.

A. F. J. BAUR, Sec'y.

Indianapolis, Ind., Nov. 19, 1910.

Chrysanthemum Society of America

Recent work of the examining committee is announced as follows:

BOSTON, Nov. 5.—Variety Pioneer; color, light pink; type, Japanese, fringed petals; 88 points commercial scale; 88 points exhibition scale. Exhibited by Alfred J. Loveless, Lenox, Mass.

CHICAGO, Nov. 12.—Variety Gerald Haschke; color, red; type, reflexed; 85 points commercial scale. Exhibited by Mrs. B. Haschke, Dayton, O.

Chicago, Nov. 19.—Variety Thanksgiving Queen; color, white; type, reflexed; 88 points commercial scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich. At Cincinnati, Nov. 19.—Same variety; 89 points commercial scale; 87 points exhibition scale.

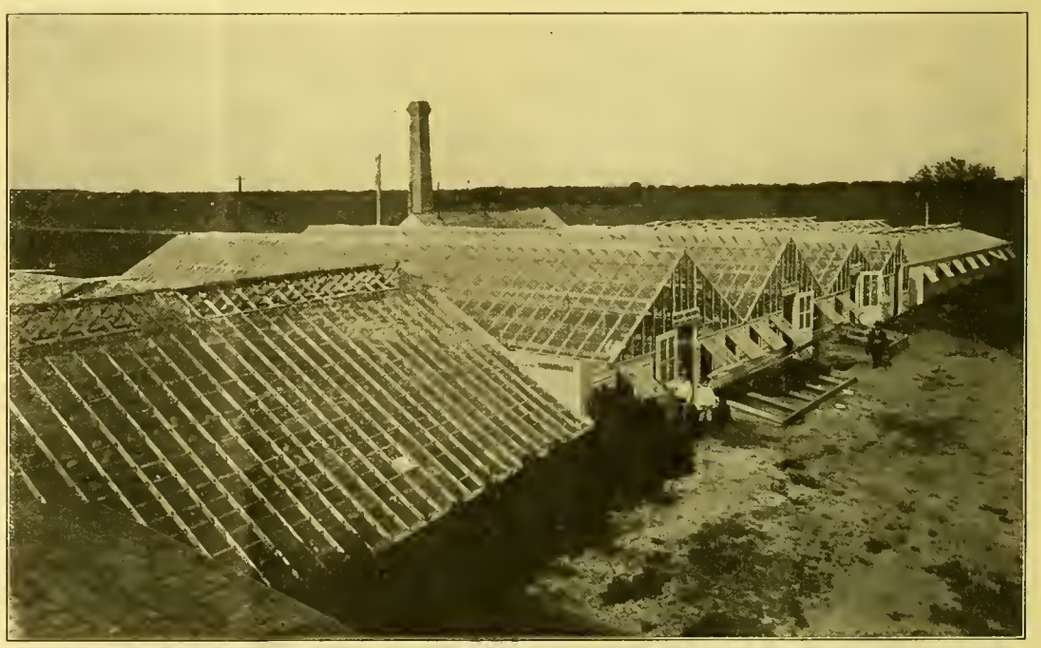
CHAS. W. JOHNSON, *Sec'y.*

Carnations and Cyclamen for Fall 1911

I am a young man just starting out in business. I always read "The Week's Work" first, and only wish that half the paper was devoted to it. I intend to have a house of Carnations next Summer or Fall, and I thought that it would be a good idea to get my soil heap ready now. I have a good field of sod, but I was wondering which manure was the best to use, horse or cow, and in what proportion. When should I plant Cyclamen seed to get nice plants for Christmas, 1911?

J. C. H., R. I.

—If I had only one house to plant with Carnations in the Summer of 1911, and had a field of good soil to draw from, I wouldn't think of piling up what might be necessary to fill the benches. Why not spread a three to four inch layer of well rotted horse or cow manure over a certain portion of the field and plow under next Spring, and, perhaps, in May plow and pulverize again. This will get the soil into the very best condition for planting. There is never anything gained by piling up soil months before, unless it has to be hauled long distances and is, perhaps, hard to get. But whenever it is on the grounds get it into shape by plowing, manuring and pulverizing right in the field. Let the sun and air get into it, which is not possible when piled up. It is still time to sow out Cyclamen for plants intended for Christmas, 1911, but no time should be lost in getting busy, and the plants should be grown without a check or setback, such as is often caused through the lack of proper care in watering or shifting the stock at the proper time. The notes on this important florists' plant which appear from time to time in the "Week's Work" ought to be sufficient to get a beginner on the right track toward having success with them. F. B.



Partial View of Greenhouse Range of T. J. Wolfe, Waco, Tex.

Milwaukee Flower Show

The second annual flower show of the Milwaukee Florists' Club was held at the Auditorium, Milwaukee, Nov. 9-13, and was a prodigious success.

The scene in the auditorium was a brilliant one. Daylight was almost entirely excluded from the building and instead innumerable electric lights, disposed in a variety of ways, furnished a soft, white light which showed up the flowers to the best advantage. The show represented a forest in its Autumn splendor, wild Smilax, Magnolias and Autumn foliage of all kinds being used freely to lend realism to the scene. A waterfall and a running brook, complete in every detail, were features of the plan, and these, with real large trees, helped out the woodland effect. Pines, Birches and Magnolias cleverly located near the stage lent a charm to a hillside effect which was admirably planned. Five rustic bridges spanned the brook, the banks of which were represented by grass sod.

The decorated dinner tables, a feature of the show, were arranged on a grass setting, and with the surrounding trees presented the appearance of a garden party.

Much credit for the arrangements is due Chairman H. V. Hunkel and Aug. F. Kellner, who were ably assisted by C. Dallwig, J. G. Heitman, Wm. Zimmermann, Arthur Leidiger, C. C. Pollworth, Nic. Zweifel and many others.

The total attendance during the show was 25,000 persons, from whom were derived 23,300 paid admissions. The total receipts were $13,200, of which the door receipts were $10,800. It is stated it was the most successful flower show ever held in Milwaukee.

In the Chrysanthemum plant classes, Vaughan's Seed Store of Chicago carried off firsts in important classes. The C. C. Pollworth Co. and E. Proefke of Milwaukee also carried off good prizes in these classes. The C. C. Pollworth Co. carried off first prizes for the best group of Chrysanthemums arranged for effect, covering 150 square feet of space; for the best vase of forty blooms, in white and pink; best 20 blooms yellow, and any other color; best 12 blooms pink, and best 12 blooms white. Elmer D. Smith & Co., Adrian, Mich., won firsts for 40 blooms yellow, 20 blooms white, 12 blooms yellow, 12 blooms any other color, and 20 varieties in 20 vases. Wm. Helwig of Milwaukee, won first for best 20 blooms pink.

Alois Frey of Crown Point, Ind., took leading honors in the class for the best collection of Anemone Chrysanthemum varieties, also for best collection of Singles.

In the class for miscellaneous cut flowers, Poehlmann Bros. Co. of Chicago won first for the best display of Lily of the Valley, 250 spikes. C. C. Pollworth Co. took the honors for 50 cut Lilies; and Mueller & Schroeder took first in the class for best display of Snapdragon, not less than 50 spikes.

In the plant section, August Kellner Co., Milwaukee, took firsts for Cibotium Schiedei and best collection of Ferns. C. C. Pollworth Co. took leading honors for the best group of Bostons, best ten plants of Begonia Gloire de Lorraine, the best arranged hanging basket containing flowering plants, and the best arranged hanging basket without flowering plants. Holton & Hunkel Co., Milwaukee, took firsts for the best group of Boston Fern sports, and the best group of Araucarias. Currie Bros. Co., of Milwaukee, were awarded a first for the best group of decorative plants arranged for effect, covering not less than 200 square feet.

In the Carnation classes, C. C. Pollworth Co. took firsts for best 100 blooms white, best 100 blooms red or scarlet, the sweepstake silver medal for the best 100 blooms, best 50 blooms of White Perfection, best 50 blooms of White Enchantress, best 50 blooms Victor, best 50 blooms any other pink, and best 50 blooms white, introduction 1910. Mueller & Schroeder Co., Milwaukee, took firsts for best 100 blooms light pink, best 50 blooms of O. P. Bassett, and best 50 blooms Enchantress. Nic Zweifel of North Milwaukee, took firsts for best 100 blooms pink, Winsor shade, best 100 blooms dark pink, best 50 blooms Winsor, best 50 blooms May Day, and best 50 blooms pink, Winsor shade, introduction 1910. Manke Bros., North Milwaukee, won firsts for best 50 blooms Beacon and best 50 blooms Lawson.

In Roses, Poehlmann Bros. Co. took most honors, among their winnings being firsts for best 50 American Beauty, best 50 Richmond, best 50 Perle, best 50 any other variety, best 25 Richmond and best 25 any other variety. Holton & Hunkel Co. gained firsts for best 50 varieties, best 50 Killarney, best 50 Kaiserin, best 50 white Killarney and best 25 Bride. C. C. Pollworth Co. took leading honors for 25 White Killarney, 25 Killarney and 25 Kaiserin.

Honorable mentions were awarded Ferd C. Kaiser, bed of Begonia Erfordi with an Acalypha border; Chas. F. Kitzerow, Primula grandiflora; J. C. Rost, Oranges, Araucarias and Boston Ferns; Walter H. Hummel Co., Callas and other plants; Chicago Carnation Co., Carnations Washington; Fox Point Floral Co., group of Cyclamens; Aug. F. Kellner, group of decorative plants; Burlington Floral Co., vase of Major Bonnaffon Chrysanthemums; Julius Roehrs Co., Rutherford, N. J., group of ornamental plants; J. A. Peterson, Cincinnati, O., Glory of Cincinnati Begonia; Mueller & Schroeder, Snapdragon; Burlington Floral Co., Burlington, Wis., vase of Enchantress and White Enchantress; H. W. Koerner, Milwaukee, trees, shrubbery, perennials, Gladioli and Dahlias; Wm. Eschrich Floral Co., Milwaukee, trees and shrubbery.



New Irish Rose Melody at Robert Scott & Sons
(*See illustration, page 72*)

New Roses at Robt. Scott & Sons, Sharon Hill, Pa.

Melody

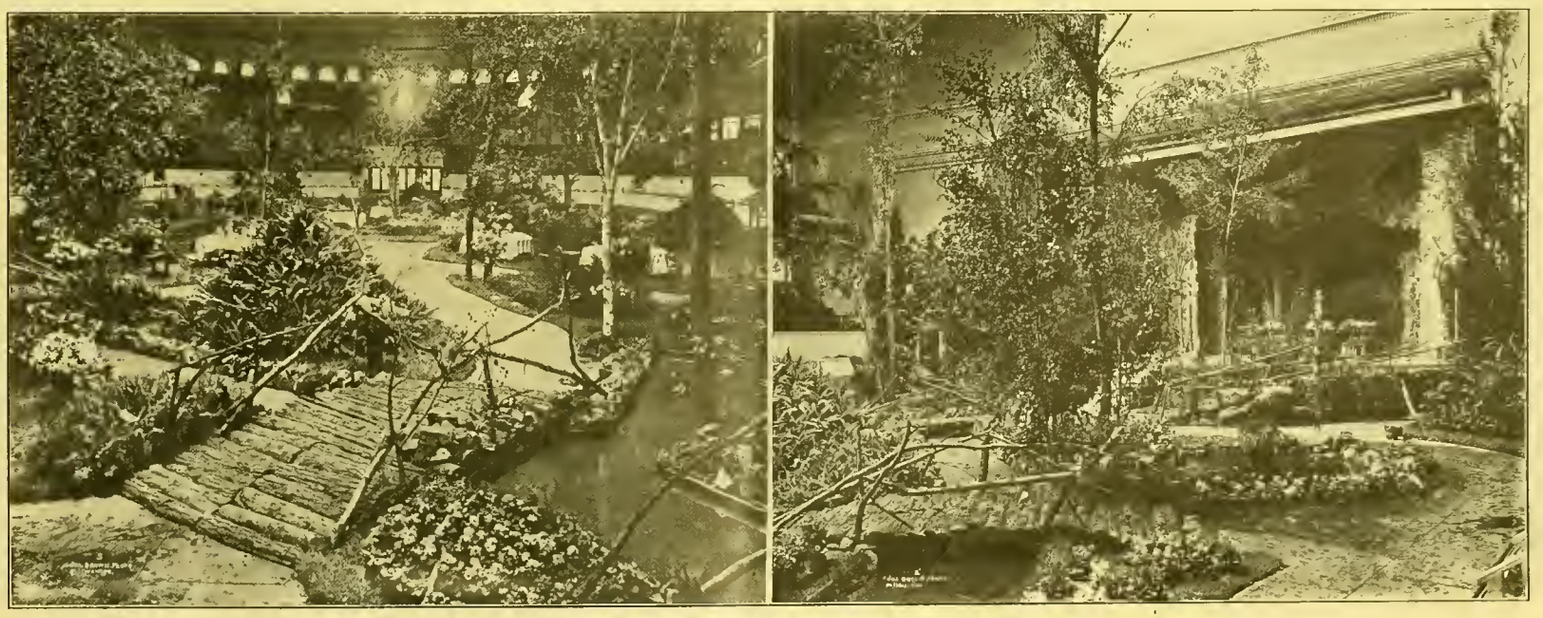
Melody is a yellow pedigreed seedling of Alex. Dickson & Sons, Newtownards, Ireland, and is the fourth Rose they have given us for Winter forcing, their former introductions being Killarney, Liberty and Mrs. Jardine. The variety has a strong, willowy growth, unlike any other forcing variety, with rich glossy foliage. The flowers are of perfect form, of a beautful yellow, shading towards the center to deep Apricot yellow, and very double. It should be particularly valuable to florists, from the fact that it produces quantities of flowers in Winter, when other varieties are apt to be shy. At Scotts, in Sharon Hill, it is as free in Winter as My Maryland is in Summer, and from one two-year-old plant last December they cut 26 flowers; from the same plant on the next crop, in February, they cut 27 flowers.

Double Pink Killarney

This novelty originated at the Scott establishment. Some years ago the firm had a white sport from Killarney, and after working it up to a house of 1700 plants they sold cut flowers from it. One of these plants sported back to pink, but instead of possessing the characteristics of the ordinary Killarney they found that the habit of growth of the sport was much stronger, and the flowers had from ten to twelve more petals than Killarney, some having as many as 35; and the color was a shade lighter. Every florist who has seen this sport likes it, as it is a better shipper and a larger flower than Killarney.

Both Melody and Double Pink Killarney were awarded preliminary certificates by the New York Florists' Club, at its November meeting.

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.



Views of the Recent Milwaukee Flower Show

Carnations Mrs. C. W. Ward and Alma Ward

In sending a photograph of their house of above varieties Messrs. H. M. Weiss & Sons of Hatboro, Pa., write as follows:

We think the two Carnations, Mrs. C. W. Ward and Alma Ward are the best on the market today, not only in regard to size of flower and length of stem, but as moneymakers, especially Mrs. C. W. Ward. We started to cut the Wards Sept. 1, 1910, and have averaged per plant to date, Mrs. C. W. Ward, 5; Alma Ward, 4. The plants at present carry from 15 to 25 flowering shoots. We are going to plant 25,000 to 30,000 next year.



A View of the Recent Flower Show of the Washington (D. C.) Florists' Club

Floriculture and Trucking in Florida

In my former letter I promised to give some information regarding conditions and methods of agriculture in Florida.

The commercial flower grower will find little encouragement here for effort in his line. Nature is too lavish in her floral offerings, for flowers in variety may be had blooming in the garden throughout the year in many parts of the State for those who will give them slight attention.

There are, however, many plants which may be grown both for Northern trade and for planting in the grounds of the new home makers. The landscape art is as yet only little practiced but the demand is growing and, as the country progresses and becomes filled up with the Winter homes of the wealthy, there is bound to be an increase in ornamental planting and an appreciation of the boundless opportunity for enjoying the outdoor display of a host of flowering plants which, in the North, is limited to the owners of hothouses.

This branch of floriculture will be of slow growth but, in the meantime, the production of truck crops may be made to yield a good income in almost any part of the State where shipping facilities exist.

The literature of land agents teems with what appear to be impossible stories of the fabulous profits which are made from trucking, all of which have a foundation in fact as representing exceptional crops grown when the conditions of season and markets happened to be favorable. But there is a uniformity in the illustrations which suggests caution. Pictures of the Celery fields of Sanford serve to show what may be done in the Everglades, or on the flat lands of the interior, on gopher ridges worthless even for pasturage, or on water soaked sandy barrens.

There are two conditions that are essential to the profit of growing any truck crop on a large scale: the character of the soil and facilities for economical and quick transportation.

Celery growing centers at Sanford. Here the buyers from Northern houses meet the growers, and cars are shipped out daily during the season. Land in this vicinity is not better adapted for this crop than that in many other localities, but, because of the community of interests, land values here have gone up to extravagant figures.

In growing Celery after most approved methods, the ground, which should have a clay subsoil, is underlaid with drain tile for sub-irrigation. Tiling and labor for putting it in costs about $80 per acre. Water for irrigation is obtained from flowing artesian wells which here cost about $1 per foot, water being reached at a depth of 100 to 300 ft. Blanching is done with 12-in. boards, of which nearly 20,000 feet, board measure, are required for each acre. The initial outlay thus is large and, under competition, the net profit will not now average greater than that from other crops which may be produced upon a much smaller investment.

Tomatoes are extensively grown in the Manatee country on the west coast and on a narrow strip of land, 6 to 8 miles wide and 70 miles long on the east coast between Palm Beach and Homestead. More is heard about this east coast section because of the large chances taken upon the Tomato crop here.

The land preferred is called "Glade." It is overflowed six months of the year. The only growth upon it is saw grass. The water disappears usually in November and, as soon as the grass is sufficiently dry, this is burned off, the ground is plowed and furrows run 5 feet apart. The plants, which have been growing in seed beds on the higher ground, are set in the furrows 30 in. apart, about 3000 plants being required per acre. The plants are laid flat in the furrow and the stem covered, leaving only the tip exposed.

Fertilizer is used freely, one ton per acre; 400 lbs. when planting, 600 lbs. when plants are 6 in. high and 600 lbs. when fruit is setting. Duke of York and Livingston Globe are the preferred varieties.

The yield averages about 200 crates to the acre and the net profit about $75 per acre. I got this report from a grower and experienced shipper. Published statistics, official and other, place the average profit above $200 per acre. Occasionally a frost cuts off the crop and, about once in three years, a grower may count on seeing his field flooded with water from an untimely rainfall and his investment wiped out.

Glade land sells for $30 and upward per acre, and may be rented for $10 or worked on shares. No man is denied his chance at the gamble for lack of money, and laborers are always wanted at good wages. Shipping facilities are good. The Florida East Coast Railroad places stations wherever they are required, and packers are established at nearly every station who will take the fruit in crates, pack, ship and sell it for a moderate charge.

The "Glades" are marshy outlets for water from the Everglade region which extends for about 100 miles across the State and nearly the same north and south. The highest elevation in this area is around Lake Okechobee, which is 22 feet above tide water. Annual precipitation is about 60 in. and the greater portion of this falls during six months of Spring and Summer. This enormous volume of water makes its way slowly toward the seaboard over the lower areas, the glades.

The slightly elevated ridges are very rocky and covered with a sparse growth of stunted Pine and Oak scrub. Upon this rocky land, Orange and Grape Fruit groves are planted. From the rock which is easily crushed and rolled, excellent roads are made; that between Homestead and Palm Beach, a stretch of 70 miles, is the finest road for automobiles to be found anywhere in the South. To be sure, the road made from this material is glaring white and very trying to the eyes; it is also dusty in dry weather, but it is vastly better than sand or clay and is a great promoter of travel.

WILLIAM B. CLEVES.



House of Carnations Mrs. C. W. Ward and Alma Ward, the Latter in the Background, Grown by Henry M. Weiss & Sons, Hatboro, Pa. Photo taken Nov. 7, 1910

Hammond's Paint and Slug Shot Works

The six new buildings which have been under way for Hammond's Paint & Slug Shot Works at Fishkill-on-Hudson, N. Y., are now up. The new boiler has been set and in a short time it is expected steam will be on, when the moving from the old quarters to the new will begin. In the town square a fountain stood for some years, the gift of Mr. Benj. Hammond, and popularly known as "Fort Hammond." This fountain was of granite and was erected by Mr. Hammond to take the place of the old town pump; the construction was so strong that an ox cart could not drag is down; hence the name given it. Recently the street was paved and the grade changed, so the fountain had to come down and now there is a new one being put up which is somewhat more ornate and topped with a bronze statue. Two weeks ago there was an entertainment in the new Hammond building for the benefit of the Highland Hospital which cleared some $570. This week a dance was given, also in the new building, for the benefit of the Fountain Fund.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction—Iron Frame Houses

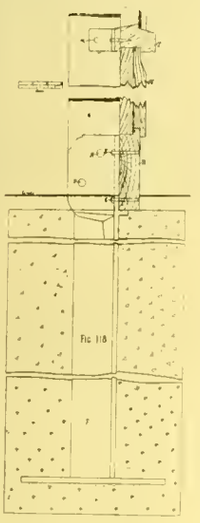


Fig. 118 presents a detail of the cast iron foot piece or ground post set in concrete, showing the means of securing the rafter, baseboard and sill. Where wood siding is used, the cast iron foot piece or ground post P is set in a 12″ x 12″ concrete pier, which is generally carried about 3′ 6″ below grade, the length of the ground post being about 2′ 6″ from the grade line to the base plate. The ½″ x 3½″ rafter, R, is secured to the ground post by the two ½″ bolts, F, and this rafter starts from a shoulder cast on the ground post at the grade line. The Cypress sill, T, is made from 3″ x 2″ material and is secured to the rafter by the iron knee, V, with wood screws as shown, and the knee is secured to the rafter by means of a ⅜″ bolt, M. The baseboard, B, is made from 6″ x 1½″ stock, and is secured to a flange cast on the ground posts by means of two 3-16″ x 2″ flat head stove bolts. The joint of each length of baseboard should be made in the form of a splice, and should come at a ground post. Fig. 118 A demonstrates one method of making this joint. The line S shows the splice crossing the ground post P, the baseboard being secured to the post at this point with the three stove bolts, E, and the upper part of the joint being secured together with a toe nail, N. The double board and paper, H, extends between the sill and base as shown. The inside siding is placed vertically and is nailed to the base-

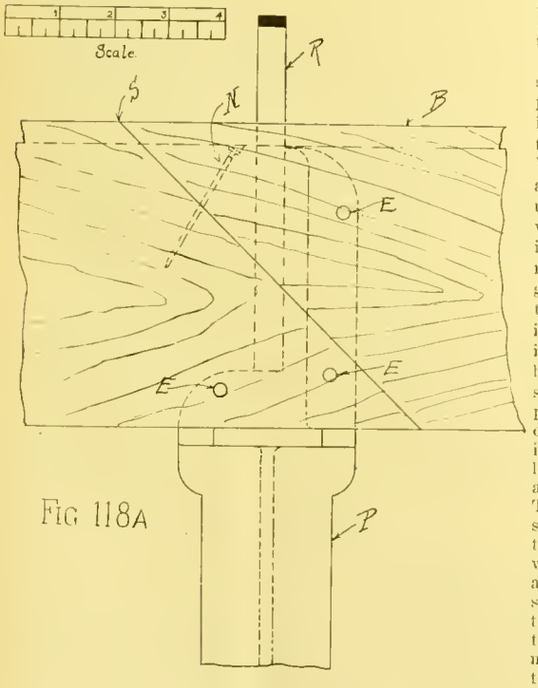


Fig 118A

board, B, and sill, T, and the novelty siding is nailed horizontally to the inner siding, asphalt paper being placed between. The Cypress baseboard, B, could be replaced with a galvanized iron "T" base similar to that shown in Fig. 80. In this case it would be necessary to provide lugs or iron knees similar to those securing the Cypress sill on the rafter R, to which would be secured the inside siding.

Fig. 119 shows an alternate construction, using an iron "T" sill instead of the wood sill. Q shows a 2″ x 2″ x ¼″ galvanized iron "T", held in place by means of a ¼″ x 2″ machine bolt, which secures same to the iron lug, V, secured to rafter R, and casting U used to hold the "T" at the required angle. Where solid glazing is used, the Cypress glazing strip, S, is placed on top of the galvanized iron "T" and is secured in place by means of a wood screw passing through the iron casting U. Of course, where side ventilators are used the bottom rail of the sash would take the place of this glazing strip, and would finish against the "T" sill in practically the same manner. This illustration shows the use of a 6″ concrete wall below the sill in place of double board and paper. There is illustrated and described in connection with Fig. 79 the method of construction when it is desired to use a cast iron sill on top of a concrete wall with this type of house.

Fig. 120 shows an enlarged detail of the eaves where the "T" eave plate is used and purlin roof connections with cross sections. O shows a 2½″ x 2″ x¼″ galvanized iron "T" bar eave plate, with condensation holes P, placed at intervals. The 1¾″ x 15-16″ Cypress roof bars, I, are secured to this iron eave plate by means of the iron lugs or clips, P, the intermediate clips between the iron rafters being similar to those described in connection with Fig. 71. At the rafters these lugs are held in place by the iron eave brackets, D, which are bolted to the rafters, R, by means of two ⅜″ machine bolts, E, as shown. The lugs, P, are provided with iron projections, M, which form a stop for the roof glass, G. Beneath the iron "T" eave plate is a Cypress glazing header made from 2″ x 2″ material. This is fastened in place by wooden screws passing through the iron lugs, N, which form a part of the eave bracket, D. Between this eaves header, A, and the sill, T, are the side glazing bars, B, made from 2″ x 1″ material. Section B is a horizontal section through the rafter above the sill, showing the lugs, B, which are bolted to the rafter, R, to which the wood sill is secured by means of wood screws. It also shows a cross section of the side bar coming against the rafter R. "W" shows a 1¾″ x 1¾″ x 3-16″ angle iron roof purlin connected to the rafter, R, by means of the iron knees, Y, which are bolted to the rafter with 5-16″ machine bolts. The roof bar, I, where it comes on top of the iron rafter, is secured to the purlin by means of the iron lugs, L, with a wood screw passing through same.

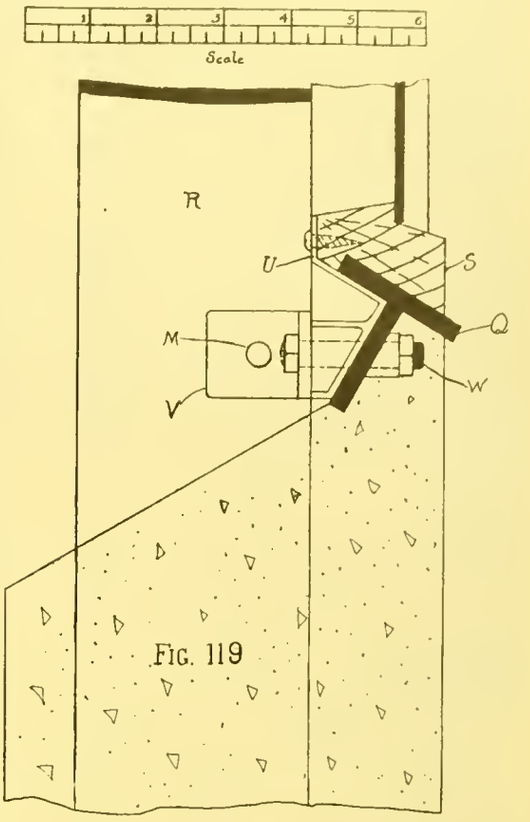


Fig. 119

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

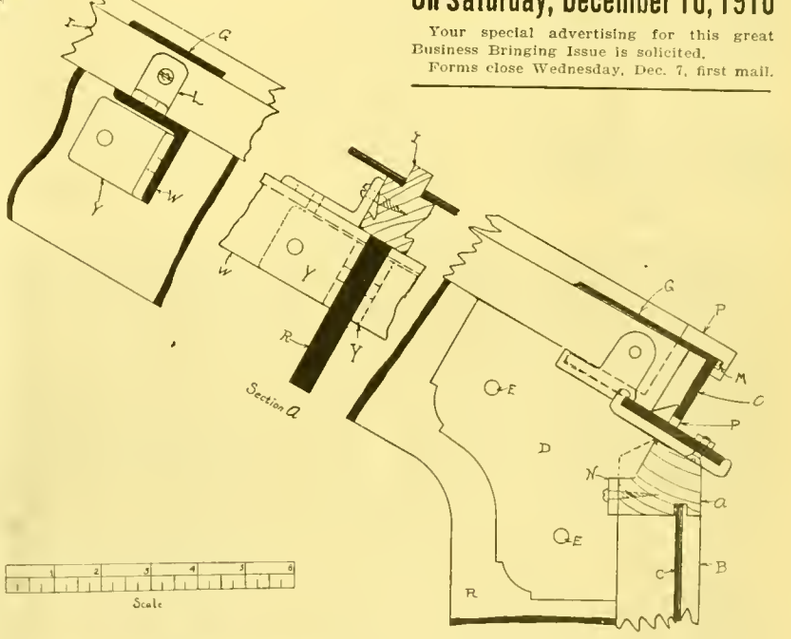
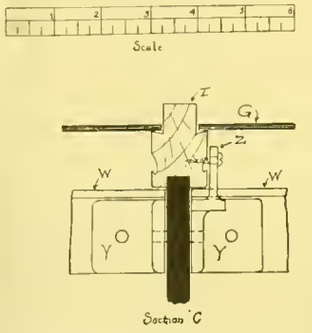
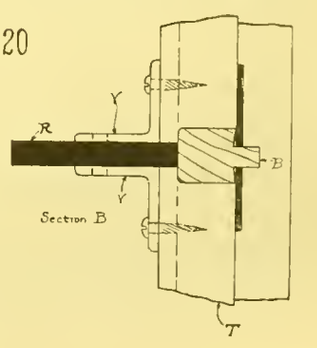


Fig. 120

Section A shows a cross section of the rafter at the point where the purlin, W, is secured to same, showing the relation of the purlins, W, and the iron knees, Y, and the lugs L. Some manufacturers prefer to have the wooden roof bar, I, where it comes at an iron rafter, made wider, and rabbeted to go over the iron rafter in the form of a cap, as shown in Section C, claiming that it assists in keeping the roof bar in better alignment. In such construction the roof purlin, W, must be kept sufficiently below the top of the iron rafter to allow the roof bar, I, to cap the iron rafter, and just meet the purlin. The disadvantage of this construction is that it increases the width of the roof bar, which, of course, necessarily adds to the amount of shadow; and it would seem that the advantage gained in the matter of alignment is not of sufficient importance to warrant this additional width as in other constructions; and also in the case of the intermediate wood bars in the same construction, they are returned in perfect alignment without any such assistance. We, therefore, prefer the construction shown in Section A.



Section C shows another method of securing the Cypress roof bar, I, on top of the iron rafter by means of the lug, Z, which forms part of one of the purlin lugs or knees, Y.



Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker FLORIST — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist."

Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET

Members Florists' Tel-graph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.



Rose Double Pink Killarney
Robert Scott & Son, Sharon Hill, Pa., Originators.
See text, page 969

The Retailer

Angelo J. Rossi

San Francisco is famous for its hustle and ability to do things; it is also famous for its florists, who are probably among the greatest hustlers in the fair city by the Golden Gate. In all San Francisco there is probably no man who is more respected, and more honored for his ability to accomplish things, than Angelo J. Rossi, Grand Marshal of the recent Admission Day Festival, held in San Francisco, and one of our leading florists. Mr. Rossi had practically charge of the entire celebration, and it is to his credit when we say that the recent festival was the most successful ever held in the West.

Mr. Rossi is a member of the well-known firm of Pellicano & Rossi, and when not working in his store one can always depend upon it that he is looking after the affairs of the "Native Sons of California." B.



Angelo J. Rossi of San Francisco, Grand Marshal of the Admission Day Festival, at the Head of the Parade

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank F. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

M. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Arthur Dummett INC. — MOUNT VERNON AND WHITE PLAINS — NEW YORK STATE

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel Street — Opposite Yale College

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.



Carpet Bedding at Golden Gate Park, San Francisco, in Celebration of Admission Day

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Mesaba	Nov. 26	9.00 am.	W. 16th St., N. Y.	London
St. Louis	" 26	10.00 am.	W. 23rd St., N.Y.	Southampton
Duca d' Aosta	" 26	11.00 am.	W 34th St., N.Y.	Naples-Genoa
Perugia	" 26	11.00 am.	Union Strs. Bkln.	Nap'l-Leghorn
Carmania	" 26	12.00 m	W. 14th St., N.Y.	Mad-Gib-Alg Gen-Nap-F'me
California	" 26	2.00 pm.	W. 24th St., N. Y	Glasgow
Baltic	" 26	3.00 pm.	W. 21st St., N. Y.	Liverpool
Chicago	" 26	3.00 pm.	N. Y	Havre
Caroline	" 26	3.00 pm.	N. Y.	Havre
Patris	" 28		—Brooklyn	Pir-Calamata-Patras
Ryndam	" 29	10.00 am.	5th St., Hoboken	Rotterdam
Kronpr. Wilhelm	" 29	10.00 am.	3rd St., Hoboken	Bremen
Lazio	" 29		W. 34th St., N. Y.	Naples-Genoa
Mauretanie	" 30	9 00 am.	W. 14th St., N.Y.	Liverpool
Kroonland	" 30	10.00 am.	W. 18th St., N. Y.	Antwerp
Romanic	" 30	12.00 m.	W. 21st St., N.Y.	Azores-Gib Naples-Genoa
Alice	" 30	1.00 pm.	Bush Dks, Bklyn	Nap-Pal-Tr'ste
Oceanic	" 30	3.00 pm.	W. 21st St., N.Y.	Southampton
La Bretagne	Dec. 1	3.00 pm.	N. Y.	Havre
Breslau	" 1	10.00 am.	3rd St., Hoboken	Bremen
C. F. Tietgen	" 1	2.00 pm.	17th St. Hoboken	Copenhagen
New York	" 3	10.00 am.	W. 23rd St., N.Y.	Southampton
Furnessia	" 3	10.00 am.	W. 24th St., N.Y.	Glasgow
Batavia	" 3	10.00 am.	3rd St., Hoboken	Hamburg
Minnewaska	" 3	10 30 am.	W. 16th St., N.Y.	London
Koenig Albert	" 3	11.00 am.	3rd St., Hoboken	Gib-Algiers Naples-Genoa.
Celtic	" 3	12.00 m.	W. 21st St, N.Y.	Liverpool
Carpathia	" 3	12.00 m.	W. 14th St., N.Y.	Gib-Nap-Geno Trieste-Fiume
Madonna	" 3		31st St., Bklyn	Naples-Mars.
Cleveland	" 6	10.00 am.	1st St., Hoboken	Gib-Algiers Naples-Genoa
Potsdam	" 6	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 6	11.00 am	W. 34th St., N.Y	Naples-Genoa
Buenos Aires	" 6		Pier 8, E. River	Cadiz-Barcel'a
Gothland	" 7	10 00 am.	W. 18th St., N. Y.	Antwerp
Campania	" 7	10.00 am.	W. 14th St., N. Y.	Liverpool
Taormina	" 7	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
M Washington	" 7	1 00 pm	Bush Dks. Bklyn	Nap-Pal-Tr'ste
Majestic	" 7	3 00 pm.	W 21st St., N. Y.	Southampton
Regina d' Italia	" 7		Gr'nd St. Jer. Cy	Naples-Genoa
Fred. der Grosse	" 8	10.00 am.	3rd St., Hoboken	Bremen
La Savoie	" 8	10,00 am.	W. 15th St., N.Y.	Havre
Italia	" 8	1.00 pm.	Union Strs. Bkln	Naples
Hellig Olav	" 8	2.00 pm.	17th St. Hoboken	Copenhagen
From Boston				
Cymric	Nov. 29	9.00 am.	B & M Dks Char	Liverpool
Lazio	Dec. 1		Clyde St., E. Bos	Naples-Genoa
Georgian	" 2	11.00 am.	B& M Dks, Char	London
Saxonia	" 6		B&A Dks, E. Bos.	Liverpool
Winnifredian	" 7		B&A Dks. E. Bos.	Liverpool
Columbian	" 9		B & M Dks Char	London
Pretorian	" 9	2.00 pm.	Mystic Whf. Char	Glasgow
Philadelphia				
Mongolian	Nov. 26		24 No. Wharves	Glasgow
Friesland	" 26	10.00 am.	53 So. Wharves	Liverpool
Prinz Oskar	" 30		Alleghany Ave.	Hamburg
Taormina	Dec. 6		80 So. Wharves	Napls-Geno
Marquette	" 9	10.00 am.	55 So. Wharves	Antwerp
Haverford	" 10	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 10		24 No. Wharves	Glasgow
San Francisco				
Siberia	Nov. 29	1.00 pm	1st Street	Honolulu
China	Dec. 6	1.00 pm.	1st Street	Japan
Manchuria	" 13	1.00 pm.	1st Street	China
Chiyo Maru	" 20	1.00 am.	1st Street	

PLEASE NOTICE THAT

Items of intereat to the Retail Trade are not confined to this page but will be found throughout the entire paper.

M. A. Bowe — IN HEART OF NEW YORK CITY, 1294 Broadway, Phone 2270 Murray Hill. Our Motto—THE GOLDEN RULE

Littlefield Florist — WORCESTER, MASS. 407 & 409 Main St.

Myer — NEW YORK, 609-611 Madison Avenue. Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders.

A. T. Bunyard Floral Co. — NEW YORK, 413 Madison Avenue. Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK, 42 West 28th Street. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex McConnell — NEW YORK, 571 Fifth Avenue

Charles Henry Fox — The Sign of the Rose, Broad St. below Walnut, Philadelphia.

T. J. Johnston & Co. Florists — PROVIDENCE, R. I. 171 Weybosset St.

J. B. Keller Sons — ROCHESTER, N. Y. 25 Clinton Avenue, North. We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. 122 and 124 Washington Ave. Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. 20-22-24 West Fifth Street. We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

SAN FRANCISCO and SOUTHERN CALIFORNIA

Julius Eppstein — The California Florist — SAN FRANCISCO, CALIFORNIA, 344 346 GEARY ST. and HOTEL ST. FRANCIS. Out-of-town orders will receive prompt and careful attention; exceptional facilities for delivering flowers on outgoing steamers. We cover all California and guarantee satisfaction. Wire us your orders.

WASHINGTON, D. C.

Gude Bros Co. — Florists — 1214 F. Street, N. W.

FLOWERS DELIVERED BY TELEGRAPH

Anywhere—At Any Hour

By means of a Code in use between the leading Florists of the United States, we can, at short notice, have flowers or floral designs delivered to your friends in a distant city, at any desired hour, day or night, at practically the same cost as a local delivery.

[The above is the wording of a Show Card, 14x17 ins., which we mail to all advertisers in the Retail Directory. It is good enough to hang in any store and well worth framing.—Publishers The Florists' Exchange.]

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

For "Supply" Advertisements see pages 976-977



Cut Flower Booth at Chicago Flower Show, Nov. 7 to 12, 1910

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 514, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By American, 25 years of age, single, 10 years' experience. Address J. E. Baumgartner, 397 W. Clinton St., Haledon, N. J.

SITUATION WANTED—By first-class Rose and Carnation grower, married, German, 44; life experience. A1 references; for many years in charge of places. Address Box 290, Berlin, N. Y.

SITUATION WANTED—By German, 37, 23 years' practical experience; good grower of Carnations, Roses, 'Mums, Violets, Easter and Spring stock. Address, stating wages, S. Z., care of Hanlon, 187 East Main St., Waterbury, Conn.

SITUATION WANTED—By a thoroughly experienced florist and gardener, German, 41, married, one child; 26 years' experience. Able to handle men to good advantage; well recommended. Address R. D., care The Florists' Exchange.

SITUATION WANTED—By storeman, now employed as designer, decorator and buyer; advertiser wishes to change position. Highest references. Address, P. A., care The Florists' Exchange.

SITUATION WANTED—By young man, Swede, 4 years' experience in Carnations, Chrysanthemums and general stock. Private or commercial place. Good references. Please state salary and particulars in first letter. Address R. B., care The Florists' Exchange.

SITUATION WANTED—By gardener, married, no children; first-class, all-around man, sober and good worker. Life experience in flowers, vegetables, fruits and greenhouse work. Private place preferred. First-class references from former and last employer. Address A. B. N., 202 West 39th St., N. Y. City.

SITUATION WANTED—By young man, American, aged 20, in flower store or wholesale house to learn the business; advertiser is a sober, industrious worker, has had 2 years' greenhouse experience and can furnish A1 reference from present employer. Steady position expected. Address, stating full particulars, George Brown, Jr., Edgemoore, Delaware.

SITUATION WANTED—By a thoroughly experienced florist and gardener, Scotchman, middle-aged, on private place. Life experience in Scotland and America. Address Q. H., care The Florists' Exchange.

HELP WANTED

WANTED—Decorator who can assist in store and make himself useful. Apply "Wilson," 341 Greene Ave., Brooklyn.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—Night fireman for steam plant, hours 6 in 6, to work with an assistant who takes care of temperature in houses. Wages, $60 per month. None but an experienced man wanted. Apply with references, Q. N., care The Florists' Exchange.

HELP WANTED—Fireman, experienced in greenhouse heating, on modern range embracing 100,000 feet of glass. State experience, references and wages expected. Address R. A., care The Florists' Exchange.

Continued to Next Column

HELP WANTED

WANTED—Single man as assistant on small commercial place where only Roses and Smilax are grown. Expected to help attend to the fires at night; hot water boilers. Steady position. State full particulars and wages expected; 18 miles from Jersey City, N. J. Address R. C., care The Florists' Exchange.

Salesman Wanted

One who is thoroughly familiar with the General Seed and Bulb Business.

STUMPP & WALTER CO.

50 Barclay Street, New York

Please mention the Exchange when writing.

Traveling Salesman Wanted

A first-class position is open for a good traveling salesman on seeds and bulbs. Apply, stating salary expected in first letter, to R. F., care The Florists' Exchange.

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of Yellow Ivory and White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

STOCK PLANTS of CHRYSANTHEMUMS.
Golden Chadwick, J. Nonin,
Maud Dean, Bonnaffon,
75c. per doz. $5.00 per hundred
Cash with order, please.
Bonnie Brae Nurseries, New Rochelle, N. Y.

CHRYSANTHEMUM STOCK PLANTS: Golden Chadwick, W. H. Chadwick, Maud Dean, Nagoya, Mrs. Clay Frick, 75 cents per doz., $4.00 per hundred. Cash with order, please. Julius B. Arndt, 224th St. & 1st Ave., Williamsbridge, New York City.

CHRYSANTHEMUM STOCK PLANTS—Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $25.00 per 1000. Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Neil, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry II, Sunderbruch, 50c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

MISCELLANEOUS

BERBERIS THUNBERGII—New clean seed, $1.50 per lb.; $6.50 per 5 lbs. Clematis Paniculata, $2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

PRIMULA OBCONICA.
In bud and bloom from 4 in. pots ready for 5- 6-in. pots—strong—all colors—just right for Holidays, $8.00 per 100. Fred Holtke, corner Fifth and Broad Sts., Carlstadt, N. J.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piersoni, 5 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

CHRYSANTHEMUM STOCK PLANTS.
Golden Glow, Pacific Supreme, Bonnaffon, Klondyke, Chadwick, Wanamaker, $2.00 per hundred; Asparagus Sprengeri 2½-in. $3.00; Dracaena Indivisa 2-in. $2.00. Richard H. Kidder, 1023 University Ave., Rochester, N. Y.

STRONG FIELD GROWN CARNATION PLANTS.
Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.
Henry Schrade,
Saratoga Springs, N. Y.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

PRIMULA OBCONICA The very best flowering varieties, strong, healthy plants, ready for 4-in. pots, $4.00 per 100, $30.00 per 1000. **SMILAX** from 3-in. pots, $3.00 per 100, $25.00 per 1000. Strong pot grown **ENGLISH IVY** Plants, 3 to 4 ft. high, $18.00 per 100. Cash with order.
HENRY RUDOLPH, Essex Fells, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

Asparagus Sprengeri

Strong 2½-inch pots, ready to shift
$2.50 per 100, $22.50 per 1000

JACKSON & PERKINS CO.
Florists and Nurserymen, Wholesale only
NEWARK, Wayne County, NEW YORK

CYCLAMEN, 5-in., in bud, 25c.; 4 in., 10c.
HYDRANGEA OTAKSA, pot grown, 7-8 in., $35.00 per 100; 6 in., 20c.; 5 in., 15c.; 3 in., 1-2 shoots, ready for shift, 5c.
CINERARIA, best hyb., 4 in., ready for shift, $7.00 per 100.
POINSETTIAS, 5 in., well grown, $25.00 per 100; 4 in., $10.00 per 100.
DRACAENA INDIVISA, pot grown, no better stock, 6 in., 25c.-35c.; 5 in., 15c.-20c.; 4 in., from field, 6c.
JERUSALEM CHERRIES, nicely shaped and well berried, 4-5 in., 10c.-20c.
CHRISTMAS PEPPERS, sure sellers at any time, 5-6 in., 15c.-25c.
All above stock is A No. 1 and of large size.
Cash from parties unknown.
JOS. J. SOKOL, Westville, New Haven, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

WANTED—Two large orange trees. State size and price. Colonial Flower Shop, Summit, N. J.

WANTED—Primula Veris Superba, Field Plants, Iris Germanica, Queen of May, Violets, Double English, Hardy Moon Vines (Ipomea Pandurata.) Palisades Nurseries, Sparkill, N. Y.

FOR SALE OR RENT

FOR SALE—Old established retail flower store, doing a good business and located on one of the best streets in Providence, R. I., a city of 225,000 inhabitants. For particulars and reason for selling addresss W. B. H., 178 Mathewson St., Providence, R. I.

Business For Sale

Must be sold before January, 1911.

A growing wholesale and retail seed business in a city of 70,000 population. Terms to suit purchaser. Address P. O. Box 137, Utica, N. Y.

AUCTION SALE OF GREENHOUSE PROPERTY
Six large new greenhouses and 13 acres of land located on the line of The Lake Shore Electric Railroad Company and on the Maumee and Western Reserve Turnpike in Clyde, Sandusky County, Ohio. Double strength glass, 600 Garland Gutters with iron supports, 50 horse power Boiler, 350-bbl. Cistern, good stock of plants and flowers, in all respects a most desirable property. Situated in a prosperous and growing town of over 3000 people, cause of sale dissolution of partnership. Entire stock and plant to be sold together between the hours of 1 and 2 o'clock P. M., Dec. 20, 1910, on the premises to the highest cash bidder. Address, Miller & Arlin, Clyde, Ohio.

SUNDRIES FOR SALE

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—1,000 Model Extension Carnation Supports, as good as new, at $1.25 per 100 or $11.50 per 1,000. Th. F. Van der Meulen, Dunkirk, N. Y.

FOR SALE—2,000 feet of second-hand 2½-inch galvanized pipe in good condition. Will be sold cheap for cash if the entire lot is taken. I. L. Powell, Milbrook, New York.

AUTOMOBILISTS, ATTENTION — Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

FOR SALE—One 3½ H. P. Mietz & Weiss kerosene engine with pumps attached. This engine can be used for pumping water or power purposes. Price, $125.00. Guaranteed. L. Gillis, 180 S. 9th Street, Brooklyn, N. Y.

FOR SALE—One 150 H. P. horizontal tubular boiler, dry pipe manhole front, guaranteed 100 lbs. steam, practically new, very cheap, as must be removed within the month. Loaded f.o.b. car for any point. M. Tomback & Co., 24 Avon Place, Newark, N. J.

FOR SALE—200 boxes 16x20 glass, double thick, very cheap; also 6,000 ft. 2-in. pipe, like new; grooved bars 14 ft. long; ventilating apparatus, etc.; in fact, will sell houses 28x100 ft. long very cheap to be removed. This is an up-to-date plant consisting of four fine houses. M. Tomback & Co., 24 Avon Place, Newark, N. J.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.
I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—New 2-in. Wrought Black Pipe, delivered f. o. b. New York City, 9½ cents per foot. Bargain—send order quick. Have on hand about 4000 feet. R. C. VERNES, 175 Senator St., Brooklyn, N. Y.

Inch and Quarter Steam Pipe For Sale. 20,000 Feet

At three cents per foot, cash, delivered on cars, Washington, D. C. Guaranteed well threaded couplings, and free from holes and splits. Also two to four inch pipe, very fine, and valve and valve manifolds, all good as new.

FRANK I. WHITEHEAD, Washington Post Bldg. WASHINGTON, D. C

MISCELLANEOUS WANTS

WANTED—Smoke-stack, 25 to 40 feet, iron or tile. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Floral store, or lease retail greenhouse with privilege to buy later. Immediate possession. Address Q. D., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO RENT—With privilege of buying, about 10,000 feet of glass; must be in good condition. Want to take possession May 1, 1911. Address R. E., care The Florists' Exchange.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 2 1-2c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft. 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return-tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. **MONOGRAM XMAS STATIONERY,** three initials, if wanted, 50c. box. **General printing. Samples free.**

FRED. A. SOTTER, Douglassville, Pa Box 86L

Please mention the Exchange when writing.

Our Christmas Number will be issued December 10. We ask your patronage.

Notes of General Interest

SALEM, O.—Wm. Mundy is equipping his greenhouses with a natural gas system.

MT. VERNON, IA.—The large greenhouse of Cowan & Cowan was burned recently, a total loss and no insurance.

PONTIAC, ILL.—W. J. Miller & Son announce that they will be ready for business at their new greenhouse, East Payson st., on December 10.

MISHAWAKA, IND.—Finch & Sprague had a flower exhibition in their store on November 12, and all visitors were presented with a floral souvenir.

ANDERSON, IND.—Stuart & Haugh have rebuilt a large section of their greenhouses, and held their annual exhibition on Nov. 17 and 18.

PORT ARTHUR, TEX.—E. H. Pearsons has purchased the Port Arthur greenhouse property on Galveston and Fifth sts., and will make large improvements and additions.

MILFORD, CONN.—Thomas Dewhurst has purchased the Henry Wilson Place, Clark st., and plans to remodel the old house and to erect a large greenhouse on the premises.

KANKAKEE, ILL.—The Schaefer greenhouse plant, recently completed, consisting of five greenhouses, 250 by 28 ft., with heating plant and office, will be in operation by Jan. 1. Carnations and Roses will be grown.

BARABOO, WIS.—William Peck has finished the exterior of his new office on Fifth st. The building is two stories high. A greenhouse is to be built between the office and the boiler room and is already under construction.

AURORA, ILL.—James A. Young, president of the Aurora Nursery Co., fell out of a car while loading trees at the west side freight house of the Burlington recently, spraining his left wrist and sustaining bruises about the head and body.

SHENANDOAH, IA.—O. B. Stevens, who recently made additions to his greenhouse establishment, had an opening covering the afternoons of November 17, 18 and 19. Light refreshments were served, and music was enjoyed. Every visitor received a floral souvenir.

DAYTON, O.—The funeral of Anthony A. Reitz, who died November 12, at St. Elizabeth Hospital, was held Wednesday, at Emanuel church. Mr. Reitz was a florist and worked for Ritter's for a number of years. He resided on Odlin ave., Fairview. Surviving him are his widow, two children, Victor and Harry Reitz; one brother, Peter Reitz, leading commission merchant of Cincinnati, and two sisters, Mrs. Helena Sherer, of Richmond, Ind., and Mrs. Margaret of this city.

STERLING, ILL.—J. A. Swartley, proprietor of the Twentieth Century Greenhouses, met with a painful accident on November 9, which will lay him up for some time. He was leading a calf with a chain, the chain having a steel hook at the end. Somehow the animal lurched forward and the chain was drawn through Mr. Swartley's hand, the hook catching him between the thumb and the index finger. It caught in the ligaments and tore them apart, and then continued up the finger, making a four-inch slit. The cut was mangled and lacerated and it will be a long time healing. Mr. Swartley was taken at once to the office of a surgeon, where the wound was dressed.

SEASONABLE STOCK

KENTIA Belmoreana, 2¼-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.

SMALL FERNS for Dishes, good assortment of varieties, $3.00 per 100, $25.00 per 1000.

NEPHROLEPIS Scholzeli, 2¼-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.

NEPHROLEPIS Whitmani and Boston, 2¼-in., $3.00 per 100, $25.00 per 1000. **Whitmani,** 5-in., $3.50 per dozen, $25.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in. pot plants, $3.00 per 100, $25.00 per 1000

PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.

CELESTIAL or CHRISTMAS PEPPER, 4-in., full of berries, $10.00 per 100.

JERUSALEM CHERRIES, strong, well berried, 5-in., $3.00 per dozen.

GLADIOLUS, Blushing Bride and The Bride. 60c. per 100, $5.00 per 1000.

NARCISSUS Emperor and Empress, $1.25 per 100, $11.00 per 1000.

Trumpet Major, French grown, 80c. per 100, $7.00 per 1000.

Paperwhite Grandiflora, 80c. per 100, $7.50 per 1000.

Chinese Sacred Lily, per basket of 30 bulbs $1.00, per bale of 120 bulbs $3.50.

Princeps, 60c. per 100, $5.00 per 1000.

HYACINTHS, Roman White, 12 to 15 centimeters,, $1.75 per 100, $15.00 per 1000.

SPIRAEA, large forcing clumps, **Gladstone,** $9.00 per 100; **Queen Alexandra,** $12.00 per 100; **Florabunda,** $4.50 per 100; **Superba,** $6.00 per 100; **Blandin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** at $4.00 per 100.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO., 35-37 RANDOLPH STREET Room 302 CHICAGO, ILL.

A. T. PYFER, Manager

Long Distance Telephone, Central 3378

Please mention the Exchange when writing.

S. A. Nutt Geranium Cuttings

Especially fine: $1.50 per 100, $12.00 per 1000.

GEORGE B. HART, 24 Stone Street, Rochester, N. Y.

Please mention the Exchange when writing.

Retail Store Notes

CONNELLSVILLE, PA.—Glore Schomer, florist, will shortly open a retail store in the Wyman Hotel building.

WHITMAN, MASS.—The florist store of George D. Cook has been closed for the Winter.

MILWAUKEE, WIS.—The new store of A. Currie & Co., at 130 Wisconsin st., was opened on November 14.

MISSOULA, MONT.—The Missoula Nursery Co. has moved into a new store in the Montana block.

BURLINGTON, VT.—W. E. Peters has opened a new store in the Walker block on St. Paul st.

BATTLE CREEK, MICH.—Coggan's Florist Shop held an "opening" on November 10, which thousands of people attended. Souvenirs were distributed.

EUGENE, ORE.—Ruth Bros. are to open a new florist store in the Titus block, on East Ninth st.

MOBILE, ALA.—L. R. Conover has opened a florist store at 23 North Conception st.

ST. LOUIS, MO.—The Grimm & Gorley Floral & Jewelry Co. has incorporated.

LAWRENCE, MASS.—The Flower Shop has opened at 825½ Mass. st.

BIDDEFORD, ME.—The home of Mrs. Octavius Hutchins, florist, was destroyed by fire on October 27. The loss was partially covered by insurance.

HUNTINGTON, W. VA.—J. W. Dudley, the Parkersburg florist, has opened a florist store in the Ritter building.

THE

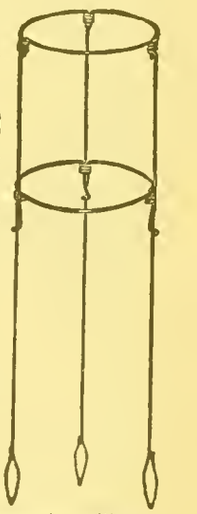
MODEL

Extension Carnation Support

Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire



IGOE BROS.

93-71 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

HOLLY

Direct from my woods, packed solid, well berried, dark foliage; size of case 2x2x4 feet. **Per Case $2.40.**

HOLLY WREATHS, 14-in., $1.00 per doz.

Also, LAUREL ROPING and all kinds of Decorative Greens.

Cash with order.

J. SCLOSER, Delmar, Del.

Plant Culture

By GEO. W. OLIVER

Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

To Present Subscribers: Plant Culture postpaid, per copy, $1.00.

Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 **NEW YORK**



Exterior View of Store of J. Mangel, Chicago, Ill.

Reliable Supplies for both Wholesale and Retail Florists

DO YOU WANT NEW HOLIDAY RIBBONS?

Our line is now ready—new thoughts for Christmastide—and the Holidays; narrow and wide widths—Samples of these and our regular "Standbys" for a postal.

Each year the demand for Holiday Ribbons grows bigger; planning early will protect you.

Send your name on a postal today for samples

The Pine Tree Silk Mills Co.

806-808-810 Arch Street
PHILADELPHIA, PA.

Have you ever bought Ribbons direct from the manufacturer? Compare our prices.

Please mention the Exchange when writing.

HENRY M. ROBINSON & CO.

Wholesale and Commission Florists. Importers and Manufacturers of Florist Supplies

Special Offer for the Next Two Weeks

CYCAS LEAVES

8 inch	$2.00 per 100	8 to 12 Inches	$2.50 per 100
12 to 16 inches	3.00 per 100	16 to 20 inches	3.50 per 100
20 to 24 inches	4.00 per 100	24 to 28 inches	4.50 per 100
28 to 32 inches	5.50 per 100	32 to 36 inches	6.50 per 100
36 to 40 inches	8.00 per 100	40 to 44 Inches	9.00 per 100



Violet and Green Tinfoil, best quality, 17c. per lb.
Plain Tinfoil, 9c. per lb.
Immortelles, new crop, all colors, large bunches, 14c. per bunch.
Imported Bronze and Green Magnolia Leaves $2.00 per basket.



If in need of the above kindly order at once, as this is a special offer for the next two weeks. Your orders will be filled promptly, properly and to your entire satisfaction.

15 Province St. & 9&15 Chapman Place, BOSTON, Mass.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS 75c. per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass.
L. D. Phone Connection.

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BBANCHES, large bunch for only 35c.

SMILAX, 50-lb. cases, $6.00. Special price on large quantities when orders are given 10 days in advance.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.75 to $3.00 per doz.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.

Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Rope inge made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lamp and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,

All Decorating Material in Season.

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address
JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Krick's Letters THE BEST.

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.

CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Climax Manufacturing Company's Special Sale of Cut Flower Boxes

Look over our Freight Paid Prices before placing your Fall Order.

WRITE FOR PRICES ON VIOLET BOXES.

The Florists' Favorite Grade of Cut Flower, Design, Pillow and Shipping Boxes are made from Heavy Manilla board, FULL TELESCOPE, therefore strong and rigid. For shipping purposes they cannot be equalled. Sizes and prices as follows:

Size	Per 100	Size	Per 100
†18x5x3*	$2.26	16x16x8	$8.00
†20x4x3*	2.25	18x18x8	9.00
†21x6x3	2.75	20x20x8	10.00
†21x7x3½*	3.25	22x22x8	12.00
†24x6x3½*	3.00	24x24x8	13.50
23x12x4*	4.50	22x22x10	16.00
†24x8x4*	4.00	24x24x10	18.00
†28x8x4*	4.50	28x28x10	22.50
†28x8x6*	5.00	30x30x10	24.00
28x8x6	5.00	18x10x8	8.00
28x12x4	5.50	20x15x8	10.00
25x16x6*	7.25	24x18x8	12.00
†30x5x3½*	3.75	28x22x8	13.50
†30x10x5*	7.50	30x15x8	13.50
†30x12x7	9.00	26x20x10	16.60
†36x5x5*	6.50	36x14x10	18.50
†36x8x5*	7.50	42x9x7	11.00
†35x10x6*	9.00		

Printing cannot be done on these large boxes. However, we furnish labels under same conditions as if regularly printed on boxes.

Sizes marked with a † are also made in "White" Patent Coated board, listed as White Carnation. Sizes marked with a * are also made in "Green" listed as Nonpareil. These two Grades are made with lid covers only, 2¼ in. deep and the prices are the same as the Favorite Grade listed above.

Artistic Printing done free, in one color, in lots of 300 or more. Extra Charge of $1.00 in less quantity. Two Colors, gold or green bronze double charge.

WE PAY FREIGHT on orders of $15.00 or more east of the Mississippi River, west of this boundary line, we pay to the River. In addition to this a SPECIAL DISCOUNT of 10 per cent. is allowed on orders for 1000 or more assorted sizes.

TERMS: CASH WITH ORDER we allow an extra 5 per cent. discount. Concerns who are worthy of Credit we can ship on 30 days time, but no discount will be allowed unless the invoice is paid within ten days from the date thereof and only at the rate of 2 per cent. Send us a Trial Order To-Day! Our boxes will please you. Quick Shipment is OUR HOBBY.

Address—

THE CLIMAX MANUFACTURING CO.
Box 205
Factory St., CASTORLAND, N. Y.

New England Office, 141 Milk St., Boston, Mass.
JACOB BRUNNER, Mgr.

Please mention the Exchange when writing.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** EVERGREEN ALABAMA THE QUICKEST SHIPPER

Please mention the Exchange when writing.

Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**

Place your Christmas orders now, for **Holly, Mistletoe, Palms, Pines, Magnolia Leaves, and Moss.**

Wire or write your wants. Satisfaction guaranteed.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** **Metals, Wire Work and Basket Work**

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

SIT UP AND TAKE NOTICE

The Florists' Supply House of America

You will want some of Our Novelties for Your Christmas Business. Why not order now, and have them in stock to be ready for your busy rush?

All the Newest Imperial China Ware. Many designs to choose from.

Ideal Oak Sprays in brown, green, and various colors, in short branches, in hampers, and in large sprays.

Beech Sprays, brown, green, red, cherry and leather color.

Ruscus, similar to Smilax, in red, green, and other fancy colors, for your Holiday Work.

Immortelle Wreaths, the kind that always sell. Our special deisgn of American Style is a taking one; the other style is closely wrapped on the French Style; all sizes in both styles.

Baskets, the Newest Creations, which surpass all other styles. Those with gold, and gold and silver mixed effects are pleasing sellers—try them; they are somewhat different in shape and material from other baskets.

Plenty of Other Good Supplies for you with your order.

OUR CATALOGUE COMES TO YOU ON REQUEST

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT

CHRISTMAS STOCK

SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE
P. O. Box 1697, N. Y. CITY

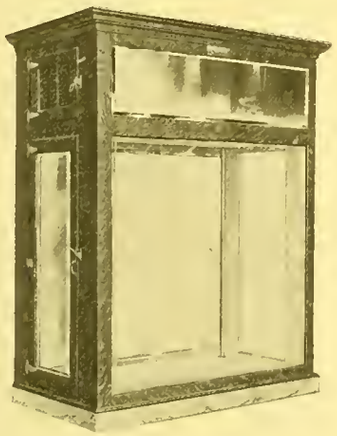
Our Xmas Number

Will be Issued

On Saturday, December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

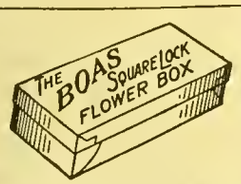
McCRAY REFRIGERATOR CO.
267 Lake Street **Kendallville, Ind.**

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.
1042 Ridge Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Order Direct from Shipping Point
Pine Apple, Ala.

WILD SMILAX
50 lb. case
$1.75

Quality Guaranteed
Wire Direct to
Henry M. Robinson & Co.
Pine Apple, Ala.

Please mention the Exchange when writing.

GEORGE COTSONAS & CO.

127 WEST 28th STREET
NEW YORK

Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Holly and Mistletoe

Well Berried Leaves a dark, shiny green.

Place Holiday Orders now. Wholesale only.
Northern Supply Agent,

G. E. HOLT, Batavia, N. Y.

Please mention the Exchange when writing.

We are now ready to supply you with

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

New Carnations—January 1st. Delivery

WHITE HOUSE (the "Prince of Whites"), and **PRINCESS CHARMING** which is going to be one of the very best Light Pink Carnations ever introduced. Call around and see these varieties growing if you are interested. $12.00 per hundred, $100.00 per thousand.

New Roses

HILL'S ROSE QUEEN, which is destined to displace Killarney and all other pink roses, **LADY HILLINGDON** and **MRS. AARON WARD,** two splendid yellows.

New Chrysanthemums?

Why certainly—that's our business

We will send out next year **MRS. G. C. KELLY, LADY CARMICHAEL, E. M. BYRNES, WM. TURNER** and other splendid **Exhibition Varieties.** If you do not receive our List, write for it.

CHAS. H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Florists' Exchange Numbers Wanted

The publishers of The Florists' Exchange will greatly appreciate receipt of issues of Feb. 29 and March 21, 1908; also of June 12, July 24, Aug. 14, Sept. 18 and Dec. 11, 1909, from any of their readers who may have copies to spare.

Advertising Methods that Ring True

The letter which follows, sent us by the Jackson & Perkins Co. of Newark, N. Y., reached this office in due course of business and was not written for publication. We were so impressed with its value to others, however, that we asked and received permission to publish it for the benefit of the trade. Here it is:

"In connection with the use of an illustration in our advertisement of Hydrangeas, it occurs to us to send you samples of some letterheads that we are using now with very satisfactory results. We believe in pictures. Pictures speak louder than words; they give a more immediate, more definite idea of the stock than any number of adjectives, and pictures are bound to be fairly truthful, too. Nothing is so effective in selling goods as first-class illustrations. Now, it occurs to us that if the illustrations used are made to represent the identical stock offered, the particular plants that one wants to sell, then the pictures become doubly effective.

"We are using a number of different styles of letterheads now. When a customer writes in to ask about Roses, and we are able to reply on a letterhead which shows at the same time a good half-tone of the very plants we are offering, it goes a long way toward getting an order. You see, we are not showing him a picture of just Roses, a hand-me-down illustration, or a half-tone out of last year's catalog, but we are presenting him with a view of our block of Rose bushes out of which we expect to fill his order. Great scheme, isn't it? It brings the business. One of our Bright Young Men in the office says that these picture letterheads can be improved upon in one respect only, and he is working on that problem now—that is, moving-picture letterheads.

"We send you these samples thinking that you will be interested in an effective method of advertising goods that is, at least, somewhat new to this line of business."

As to the subject matter of the J. & P. Co. letterheads: for instance, on one is printed a field view of the J. & P. Co. 1910 block of Rose Baby Rambler, with a second on the same sheet of the J. & P. Co. 1910 block of Rose Frau Karl Druschki "in bloom September first; every plant staked; the Roses that put Newark on the map."

Another letterhead has the upper half covered by a picture of Hydrangea Otaksa under cover. The caption under this illustration says: "One of our specialties; 25,000 in the lot shown above, fine thrifty plants, in six-inch pots, plunged under slat houses. Profitable plants for Easter and Decoration Day. All progressive florists handle them."

A third shows a representation of a block of one year Cherries on Mazzard stocks—"A perfect stand and a strong growth, six to eight feet. Photographed September 1, 1910. Mazzard makes roots enough to support standard trees and means long-lived orchards. Planters are getting wise. Are you?"

The fourth shows three views in the field; "Our 1910 block of Weigelas, in variety;" "J. & P. Tree Lilacs," and "Clematis—'Not made in Holland.'"

Still another letterhead contains three field views, showing respectively blocks of Giant Shasta Daisies, etc., Bleeding Heart, etc., and Phlox Richard Wallace.

In a later letter, Messrs. Jackson & Perkins say: "If we hit upon some good schemes for selling goods we are perfectly willing for others to know about them and to use them. The idea is not patented; it is not even new, but it is good and brings results."

We think the idea a very good one. It shows that the firm has the goods, and thus carries conviction to the reader's mind. Many firms could use this idea to great advantage, not only for wholesale but as well for retail business.

HORSEHEADS, N. Y.—Earl Shults recently completed the erection of a small greenhouse on his premises, 50 ft. long, heated by hot water. Mr. Shults will grow Carnations, Geraniums, Ferns and other plants. The greenhouse will be greatly appreciated by people going to the cemetery, as it is so handy.

Newport (R. I.) Hort. Society

The above named Society held its last meeting of the fiscal year on the evening of November 22, with President Jas. Robertson in the chair. Vice-President John P. Hammond read a paper on "Gardens and Gardeners," and Mr. Forbes one on "The Gardener and His Work," and although not much that is new was said, there was enough to stir up thoughts as to what the gardener's work and place are at the present time. Principal Dudley Campbell of the public schools was present and made some interesting remarks pointing out that in many particulars the gardener's life and that of the teacher are similar, both often being judged and criticised by persons not qualified to judge. Richard Gardner, who recently served as a judge at the Lenox, Mass., show, paid a high compliment to the gardeners of that section, particularly for the fine vegetables shown, and for skill and good taste demonstrated in the arrangement of the plant groups. He also spoke in the highest terms of the way the gardeners of that section treat their judges at exhibitions, making it a time to be remembered with pleasure.

Treasurer Col. A. K. McMahon, a veteran of the Civil War, who, as a member of the Cemetery Superintendents' Association, which recently met in the South for its annual convention, gave an interesting account of some of the battlefields visited.

Wm. J. Matson had on exhibition a collection of seedling Chrysanthemums, Single and Double, of the elks-horn type,—that is, having florets split or forked at the tips—and upon recommendation of the committee on awards, Messrs. Wm. Gray, Richard Gardner, and Bruce Butterton, a certificate of merit was awarded to a Double flowered white of good form, named Irish Queen; and to another white of different form, named Mrs. Graham White, honorable mention.

The annual meeting for the election of officers takes place on Tuesday evening, December 13. A. McL.

Review of the Market

BOSTON, Nov. 22.—Conditions are steadily improving and the prices of a week ago have held well and in a few cases made a slight advance. The weather is more seasonable, quite a little bit cooler, and we are having hard frost at nights; this has improved the quality of stock. There are some extra fine quality flowers coming in. Violets are probably the poorest of any at this time.

Chrysanthemums were probably never better than this year and at this writing some extra fine flowers are coming in from several of the growers. The finest kinds seen are Bonnaffon, white and yellow, Golden Eagle, Timothy Eaton, white and yellow, a few Nagoya, a beautiful golden yellow, are sold on sight. Early and late varieties have paid well this year. This week 'Mums are selling from 75c. to $2 per doz.

Roses have been in excellent demand and by the end of the week were scarce. There is some extra fine stock in the market and prices are holding up well. Mrs. Aaron Ward is still a favorite and there is no trouble in getting rid of that variety, although largely grown this year. American Beauty are of fine quality, the cooler weather is improving them. Rhea Reid is in good demand and of good color. Killarney, pink and white, have stems equal to those in Midwinter and are always popular. Prices have been quite satisfactory and there is a slight advancement over last week's prices.

Carnations are of good quality and are not harassed so much now by 'Mums; they are getting back to their old place in the market. Good demand this week for dark colors. Prices this week from $1 to $3 per 100.

Violets are poor and very scarce; the choicest in the market went as high as $1.50 per 100. There is some Snapdragon, but not not in large quantities. Stevia is making its appearance but quality is poor.

Cattleyas are scarcer and prices are holding well. Cypripediums are quite plentiful, especially insigne.

Roman Hyacinths are in the market in limited quantities; so is Paperwhite Narcissus. There is some fine quality Mignonette and quite a demand for it. Lilies are of good quality but not overabundant; prices range from 8c. to 10c. Gardenias of fairly good quality are seen but there are not very many in the market.

Asparagus Sprengeri is of fine quality and always in good demand. Asparagus plumosus in strings, from some of the growers is of extra fine quality and there is a good call for it.

The demand for potted plants this week is good, especially those having flowers. Lorraine Begonias and Cyclamens are mostly called for. R. C.

DON'T be satisfied with anything but the BEST

In placing your order for

Craig Quality Stock

you can insure yourself against inferior goods. Our stock is the highest quality obtainable, and we solicit your valued orders. We have thousands of satisfied customers.

WHY NOT YOU?

BEGONIA GLOIRE DE LORRAINE

We have the largest and finest stock of this grand Christmas Plant in America, and are in a position to ship plants of the following sizes in full bloom at once:
6-in. pots, very heavy.....$12 per doz.
7-in. pots, very heavy..$16 and $18 per doz.
8-in. pots, very heavy..$24 and $30 per doz.
These can be used to advantage during November.
Send us your sample order now, see the quality, and then mail us your Christmas order.

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.
6-in. pots, 2 feet tall.....$2.00 each
6-in. pots, 2½ feet tall..... 2.50 each
7-in. pots, 3 feet tall..... 3.00 each
8-in. pots, 4 feet tall..... 4.00 each
10-in. and 11-in. tubs, 5 to 7 feet tall .....$5, $6, 7.50 each
The large plants are nnusually fine and there is nothing that will give better satisfaction to the buyer as a decorative plant.
Branch plants, exceptionally fine, at $2.50 $3.00, $3.50, $4.00, $5.00, $6.00 and $7.50 each.

CROTONS

The Croton with its highly colored foliage is indispensable during Fall and Winter. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.
4-in. pots .....$25.00 per 100
5-in. pots .....$1.00 each
6-in. pots 75c., $1.00, $1.25, $1.50 and $2.00 each
7-in. pots .....$2.00, $2.50 and $3.00 each
8-in. pots .....$3.00, $3.50 and $4.00 each
10-in. ¾-pans ....$6.00, $6.00 and $7.50 each
We desire to make special mention of Croton Cronstadtii, of which we have an entire house full. This variety is one of the most beautiful and graceful of the Croton family.
6-7-8-in. pots $1.50, $2.00, $2.50
Every retail store should feature Crotons this Fall and Winter, and we know our stock will please you and your customers.

DRACAENA MASSANGEANA

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an unusually large stock, exceptionally well colored and of the very highest quality.
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 per doz.
9-in. pots .....$48.00 per doz.
10-in. pots .....$5.00 and $6.00 each

DRACAENA AMABILIS

6-in.pots .....$18.00 per doz.
8-in. pots .....$2.00 and $2.50 each

DRACAENA FRAGRANS

Ready now.
5-in. pots .....$5.00 and $6.00 per doz.

PHOENIX ROEBELENII

This is unquestionably one of the great Palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.
8-in. pots .....$30.00 per doz.
8-in. tubs .....$3.00 and $3.50 each

PANDANUS UTILIS

Superb Stock.
8-in. pots, strong plants, $18.00 and $24.00 doz.

ARAUCARIA EXCELSA

5-in. pots, 4 and 5 tiers, $9.00 doz., $70.00 100
6-in. pots, 6 tiers.....$12.00 doz.

A ECA LUTESCENS

Our stock is in splendid condition.
Heavy 7-in. pots, 3 plants, 36 in. tall .....$24.00 doz.
Heavy 7-in. pots, 3 plants, 40 in. tall .....$30.00 doz.
Heavy 8-in. pots, 3 plants, 42 to 44 in. tall .....$36.00 doz.
Heavy 8-in. pots, 3 plants, 48 in. tall .....$3.50 each

PANDANUS PACIFICA

Very handsome plants.
11-in. tubs..$2.50, $3.00, $3.50 and $4.00 each

BOUGAINVILLEA SANDERIANA

An exceptionally fine lot of shapely specimens at $2.50, $3.00 and $3.50 each.
These plants will command big prices when in bloom next Winter and at Easter.

NEPH. TODEAOIDES

London Fern

This variety we consider the best of the upright growing class.
2¼-in. pots ....$5.00 per 100, $45.00 per 1000
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in. pots .....$12.00 per doz.
10-in. .....$18.00 and $24.00 per doz.
11-in. tubs .....$24.00 per doz.

NEPH. SCHOLZELI

This is an ideal crested Fern, holding the same position to all other crested varieties that the Scottii holds to the old Boston.
2¼-in. pots....$3.00 per 100, $75.00 per 1000
6-in. ¾ pans, heavy, $6.00 and $9.00 per doz.
8-in. ¾ pans, heavy .....$15.00 per doz.
10-in. ¾ pans, heavy .....$24.00 per doz.

NEPH. ELEGANTISSIMA IMPROVED

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.
6-in. pots, strong plants, $6.00 and $9.00 doz.

NEPH. AMERPOHLII

Philadelphia Lace Fern.

6-in. pots .....$6.00 and $9.00 doz.

NEPH. ELEGANTISSIMA COMPACTA

A dwarf compact form of N. Elegantissima, each plant making an ideal shape. Our stock of the variety is large and of exceptional quality.
2¼-in. pots ...$10.00 per 100, $90.00 per 1000
4-in. pots .....$25.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.
8-in pans .....$15.00 per doz.

NEPH. SCOTTII

Our stock in superb condition.
2¼-in. pots ....$5.00 per 100, $45.00 per 1000
4-in. pots .....$15.00 per 100
6-in. pots .....$6.00 per doz., $45.00 per 100
8-in. pans .....$12.00 per doz.
10-in. pans .....$18.00 per doz.
11-in. tubs, heavy .....$2.00 and $2.50 each

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots.....$4.00 per 100, $35.00 per 1000
3-in. pots .....$7.00 per 100, $65.00 per 1000

BOXWOOD, JUST ARRIVED

We have an ususually large stock of fine plants of all sizes.
For Window Boxes.
Heavy Stock, 50c., 60c., 75c. each.
Ball Shape, $1.00, $1.25, $1.50 each.
Henvy Bush Form, $1.00, $1.26, $1.50 each.
Pyramids, $2.25, $3.00, $3.50, $4.00, $5.00 each.
Pyramids, Square Shape, very handsome, in fancy tubs, $12.50 each.
It will be well to place your order for above at once. We will hold same for future delivery or ship at once.

CYCLAMEN

This has been one of our specialties for over twenty years. This year we grew upwards of 50,000 plants. Our stock at this time is better than we have ever had it and sure to be a money maker for anyone buying now.
5-in. pots, heavy, $50.00 per 100, $450.00 per 1000
6-in. pots, very heavy.....$75.00 per 100
We are also booking orders for Christmas delivery, plants to be exceptionally well flowered.
4-in. pots .....$25.00 per 100
5-in. pots ....$6.00, $9.00 and $12.00 per doz.
6-in. pots, $12.00, $15.00, $18.00 and $24.00 doz.
7-in. pots .....$2.60 each
8-in. specimen plants ...$3.00 and $3.50 each

GARDENIA VEITCHII

Strong plants.
2¼-in. pots, heavy, $8.00 per 100, $75.00 per 1000
4-in. pots, heavy, $20.00 per 100, $180.00 per 1000
6-in. pots, heavy.....$50.00 per 100
7-in. pots, heavy, $9.00 doz., $70.00 per 100
The above will make grand stock for Winter blooming.

ROBERT CRAIG CO., Forty-Ninth and Market Sts., PHILADELPHIA, PA.

BRANCH: NORWOOD, PA.

Please mention the Exchange when writing.

Providence, R. I.

There is general complaint among the florists of Providence and vicinity that business during the past few weeks was very quiet. There was plenty of stock of fairly good quality, but the demand for same has been limited. All are in hopes that this week business will revive. Everything at present seems at a standstill. Roses are coming in very good quality as also are Carnations, but Violets are still scarce. Chrysanthemums are on the downward turn; the best part of the crop has been marketed within a short time. When Chrysanthemums are cleaned up there will be a better demand for Roses and Carnations, and undoubtedly these flowers will command an advance in price. Ferns and Palms are moving slowly. Bulbs are cleaning up very well this year, and there is very little surplus in bulb stock among the seed houses at present. The weather has been remarkably fine for outdoor planting and those desiring to plant Hyacinths, Tulips, Narcissus, etc., this season have had an excellent opportunity, as very little frost is in the ground.

Macnair reports business quiet with plenty of stock, except Violets. Chrysanthemums, although plentiful at present, are slowly passing and will soon be entirely out of the market.

Miss Florence A. Willard, Mass. ave., is cutting a nice lot of Orchids, which are now wholesaling at $6 per dozen. She has been quite busy with funeral work.

T. O'Connor, Blackstone blvd., reports business has been very good during the past two weeks. He furnished the decorations for the Comstock-Brigham wedding last week, also had two wedding decorations on Monday. Funeral work has kept him very busy during the past week. He has a large decoration booked for Friday of this week at Fall River, Mass. Prospects for a good trade at Thanksgiving are excellent.

Eugene McCarron, Hope st., has just received a new covered delivery wagon, rubber tired, and it is a beauty; it is equipped with a heater for frosty weather. Mr. McCarron reports business very satisfactory and prospects good for better trade.

Amadio Corell, Hampton Meadows, R. I., formerly florist at that place, was buried on Tuesday from his late residence. Many friends and relatives were present and the floral tributes were numerous. Mr. Corell was 57 years of age.

D. E. Newell of Attleboro, Mass., was in town on Monday.

Lawrence Hay, East Providence, was in Fall River on Sunday.

The Westminster Greenhouses have been incorporated under the laws of Rhode Island, with a capital stock of $5000. This establishment has been operated for some time by Mr. Scott, who will still be at the head of the corporation.

Johnston Bros., Dorrance st., had a quantity of design work for the funeral of Mrs. Chase. They have a large wedding on hand this week with both house and church decorations. Business they report has been picking up. Their new ice box will be put into place this week and will add much to the appearance of their store. It is an uptodate refrigerator, manufactured at Worcester, Mass., and is a beauty. A new cash register has also been installed. Their window display of 'Mums is fine.

F. C. Covill, manager of the Shepard Co.'s floral department, has one of the finest displays of Chrysanthemums of any of the retail stores.

J. Kopelman, Oaklawn, R. I., is cutting some fine Chrysanthemums, Roses and Carnations, also some very good Violets.

A regular monthly meeting of the Florists and Gardeners' Club was held at the Club rooms 96 Westminster st., on Monday evening, when the following officers were elected for the coming year. Robert Johnston, president; Eugene Appleton, vice-president; Wm. E. Chappell, secretary; James Hockey, treasurer; Henry T. Boursch, librarian. Executive committee, H. C. Neubraud, Corn Hartstra and James Dillon. Banquet committee, Alex Macrea, James Dillon and H. C. Neubraud. After election of officers a general discussion took place. During the absence of the president, Vice-President E. Appleton presided.

Wm. Appleton, florist, is in very poor health, confined to his room all the time; he has the sympathy of the craft.

One of the leading florists and growers of Chrysanthemums, Carnations, Easter Lilies, Stocks, Roses and bedding plants in the town of Johnston, R. I., Olney H. Williams, and who until recently conducted one of the leading retail stores in Providence, has given up same to devote his time to growing stock for wholesale trade. Mr. Johnston is one of the newly elected councilmen for his town.

F. Macrae & Son, Smith st., Providence, had an elegant house of Chrysanthemums, white and yellow Eaton, 4500 plants in all. The size of the house is 30x90 ft. and it was a beautiful sight. The firm's plant contains between 65,000 and 70,000 sq. ft. of glass. The principal products are Roses, Carnations, Chrysanthemums and giganteum Lilies, of which last they have 8000 planted for Easter trade, and have as many more placed in cold storage to have them on crop at all times and seasons of the year. Last season there were but few days when Lilies could not be had when called for.

John Macrea is still busy with Chrysanthemums. He also grows a quantity of Lilies for Christmas and Easter trade. He is cutting at present some extra fine Carnations, for which he is receiving the top notch price.

Visitors: Orin Smith, proprietor of Mineral Springs Greenhouses, Pawtucket, R. I., was in town on Saturday; he is running the place formerly conducted by E. D. Tucker of Saylesville, R. I. Mr. Tucker is devoting his time to his own place at Saylesville. Chas. H. Hudson, representing Hammond's Paint Works, Fishkill-on-Hudson, N. Y., was a recent visitor; he says that owing to the advanced price of linseed oil it has been necessary to advance the price of putty for glazing to $1.45 per gallon; Slug shot, of which they are large manufacturers, has also advanced owing to increased cost of materials used in its production. A. J. Olsen, East Providence, was in town on Friday purchasing supplies; as also was J. H. Cushing, Quid-

NOTICE! The Express Drivers' Strike is now a thing of the past. Have your mind on business now. Be wide awake, and

Prepare For The Holidays

It won't pay to leave others get ahead of you. Don't look as to what is behind you; go straight forward. Make a break for Godfrey Aschmann's greenhouses, to the old reliable firm who always looks after your interests and protects the trade. We have no department stores for our customers.

We Sell Only to the Trade

If you have room, now is the time to purchase your supply, while the weather is mild and shipments can be made more safely and while we have a big stock at bargain prices.



HOUSE OF ARAUCARIAS

LEADER IN FERNS

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer. 5, 5½, 6, 7 in. pots at 35c., 40c., 50c., 75c. to $1.00 each. 1 doz. or over, same rates.

LEADER IN AZALEA INDICA

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

WE LEAD YOU INTO WEALTH

AZALEA INDICA

Owing to the wet and cold weather in Europe this Summer and the large demand this Fall for Azalea Indica for Europe and for exportation, Azaleas this Fall are very scarce, and therefore, prices have been greatly advanced. But in spite of that, I want all to know that I have just arrived with a large importation of Azaleas in all sizes and of all prices, the best well-known American varieties. My grower over there, with whom I have dealt for the last fifteen years, has put his 200-acre Azalea field at my disposal, from which I made my selection—the cream of his output.

Now is the time to force **AZALEA INDICA** for Christmas. What varieties you select to force for that purpose you can depend on to get in for Christmas.

Take my advice; take the well-known, early Christmas varieties: **DEUTSCHE PERLE** (double white); we have them at 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER**, well known to all, double pink, very scarce this year, 60c., 60c.,75c., $1.00, $1.25, $1.50, $1.75 to $2.00. **VERVAENEANA**, one of the oldest standard varieties, one of the best double variegated rose varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **APOLLO**, single bright red, 60c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **MME. PETRICH**, double pink, one of the earliest of all; this variety is one of the scarcest this Fall in Europe (could get only 500 plants), 75c., $1.00, $1.25, $1.50 to $2.00 each.

EASTER VARIETIES

NIOBE (double white), 65c. and 75c. **SIEBREVERIANA**, double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00 **MME. VAN DER CRUYSSEN**, best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA**, and **EMPRESS OF INDIA**, double variegated, well known varieties, 60c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER**, 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS**, only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA**, white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN**, $1.00, $1.25 to $1.50. **(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)**

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 13c. to 15c.

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached the top of the pole, and there we are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES. LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 60c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you the best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA**, a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 36c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each. Combination Plants, 6-7 in. pots, three plants in a pot, 25 to 30 in. high, $1.25; 30 to 35 in. high, $1.50.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

REGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.

ASPARAGUS Plumosus Nanus, 2½-in., 3c.; 3-in., 6c.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and Boston, extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each. Special to close out; **Whitmani** and **Scottii**, 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100; 3-in., $5.00 per 100.

ADIANTUM Hybridum, 2½-in. 5c.; 3-in., 8c.; 4-in., 10c.; 6-in. pans (3 plants) 25c. per pan

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c. 40c., 50c.

PRIMULA Chinensis, John Rupp'e strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.; 6-in., in bloom, 25c. to 35c.

FICUS Elastica, 5¼, 5½ to 6-in. pots, 25c. 40c., 50c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.

HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Christmas.

JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.

DRACAENA Bruanti, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 35 in. high, 50c.

LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.

SHASTA DAISIES (pure white), 2½ in. pots, $3.00 per 100.

CHRISTMAS OR ORNAMENTAL PEPPERS, 5½-in. pots, 20c., 25c.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

F. E. BEST ADVERTISING MEDIUM

—ALIVE AND UP-TO-DATE

nick, R. I., and D. E. Newell, Attleboro, Mass., one of the contestants of his brother's will, dealing with an estate valued at $2,000,000, and the case concerning which is being heard in the courts of Providence.

The Market

There has been a slight advance in prices on all grades of cut flowers, and business is picking up possibly on account of Thanksgiving. Following are the prices: Roses: Firsts, $8 to $10 per 100; seconds, $5 to $8; thirds, $2 to $5; American Beauty, $6 to $30 per 100. Carnations, $2 to $3 per 100. Lily of the Valley, $3 to $4 per 100. Chrysanthemums, $5 to $20 per 100. Gardenias, $3 per doz. Orchids, $5 to $7.50 per doz. Mignonette, $1 to $2 per 100. Stevia, 25c. to 50c. per bunch. Callas, 75c. to $1 per doz. Lilies, $8 per 100. Violets, 50c. to 75c. per 100. Adiantum Ferns, 75c. to $1 per 100. H. C. N.

Hartford, Conn.

The Asylum st. store of Edward Welch shows what a good grower Ed. is, and what he can do. His 'Mums are good, clean stock and well grown. He has a fine assortment of Gloire de Lorraine Begonias, and his Carnations are as good stock as his 'Mums. The bedding stock at the greenhouses at 31 Annawan st. is looking fine. Ed. says business never was better, and orders for Thanksgiving are coming in in good shape. He was all cleaned out on Violets for the Yale-Harvard football game—that means 20,000, and not enough at that.

Mrs. L. K. Goodwin, the Violet grower of Whiting st., West Hartford, was entirely sold up for the Yale-Harvard football game. Her Violets certainly are a credit to her this season, as they are all of her own growing, good sturdy stock; and she gets prices such as her stock is worth too.

Ed. Lagan, in charge of the floral department at Brown, Thomson & Co.'s, reports business satisfactory, but good stock scarce. The call for plants, Boston Ferns, Palms and other things is fair.

E. W. Newton of the South End Greenhouses says that Thanksgiving orders will clean him out of 'Mums. He has some very fine Yellow Chadwick, Chadwick, Jones and Dr. Enguehard. His Jones are especially good and he will grow twice as many next season. He has one house of Enchantress and Beacon Carnations.

Robt. E. Green, of the National Folding Box Co., Boston, was in the city in the past week.

Thos. Dryden is bringing in some good specimens of Cyclamen and Primulas. His 'Mums are all sold out.

John Broadrib, of 8 Cone st., has conferred the responsibility of his business on his son, J. A. Broadrib, and has gone to his farm in Massachusetts for a long needed rest. We hope his health will improve.

A nice and chilly Saturday night kept more than one man up looking after his fires. It was 20° above zero on Sunday morning in West Hartford, at Whiting's greenhouses.

Kenneth French has decided that the flower business is the best after all, and that its hard work "yelling cash," so he "trun up his job," and made transfer to Geo. G. McClunie, 175 Main st., where he will learn to make floral designs and sweep the floor, and bottom chairs.

All the florists were busy this week—lots of funeral work. Good stock was scarce. There were many calls for Violets for the Yale-Harvard football game, but Violets were scarce and a great many of the florists stopped booking orders early in the week. Prices were fair.

John Drake of Otis st. is improved in health. He has been indisposed for a month or so. G. G. McC.

Louisville, Ky.

In accordance with the predictions of prophetically inclined florists in Louisville, trade for the past fortnight has been first class.

Some very handsome varieties of Chrysanthemums ar being shown by Henry Nanz, of Nanz & Neuner, at the "Rosery," the new Nanz & Neuner establishment on Fourth ave. The new Kroeschell and 42-flue tubular boilers that were recently installed at the firm's greenhouses, St. Matthew's, Ky., are proving highly satisfactory.

The Governors' Conference recently held in this city proved to be a boon to the florists, for elaborate floral decorations were provided for the chief executives of thirty States, who gathered in Louisville to discuss the conditions in their various domains, according to a plan devised by

A Few Good Things You Want

HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

FERNS

BOSTON — SCOTTII — WHITMANI

4-in. 15c., 5-in. 35c., 6-in. 50c.,
7-in. 75c., 8-in. $1.00

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $6.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.60 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in.,, 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and Sprengeri, 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

Table Ferns

2¼ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

"The Ferns were most satisfactory, the best we have ever had."

So writes one of our customers, a man we ship to regularly.

Our Ferns Were Never Better Than They Are This Fall

ASPIDIUM, HOLLY FERNS, PTERIS WILSONI, WIMSETTI, VICTORAE, Etc.

We pack so they reach you in perfect condition, and the price is $3.00 per hundred, whether the order is for 50 or 5000. May we send you a sample shipment?

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Colonel Roosevelt several years ago. An elaborate dinner was tendered to the governmental chiefs by the society folk of Louisville, the Pendennis Club in this city being beautifully decorated for the occasion. More than three hundred American Beauty Roses were used in these decorations, the flowers being furnished by Jacob Schulz, while Nanz & Neuner also came in for a share of the floral work for the convention.

At a recent bazaar given by the ladies of St. Peter's Catholic Church in Louisville, the florists of the city proved themselves to be genuine philanthropists, for every member of the trade donated a handsome potted plant or assortment of flowers for prizes.

H. G. Walker, of F. Walker & Co., reports a good business in Glory of Cincinnati Begonias.

On November 18-19 Jacob Schulz held his annual Chrysanthemum display at the handsome Schulz Flower Shop on Fourth ave. The interior of the store was beautifully decorated with greens, while displays of mammoth Chrysanthemums lured hundreds of visitors to inspect the show. The affair was also an Orchid show, for a great variety of these beautiful flowers was also in evidence. In exploiting the show, Mr. Schulz issued several thousand handsomely engraved invitations, calling upon the public in general to view the display. Richmond and American Beauty Roses have been handled to a large extent by Mr. Schulz during the past two weeks, as he provided table decorations of these flowers for three big social functions at different Louisville Clubs.

Mr. Schulz recently returned from a short visit to the Indianapolis Flower Show, having been preceded in his visit to the Hoosier capital by Fred L. Schulz, also of the Schulz establishment.

Phillip Oberhausen, who is connected with the Schulz Flower Shop, recently suffered a painful, serious injury, when a nail from a flower crate penetrated his foot, inflicting a severe wound. Mr. Oberhausen was confined to his bed for several days with the injury but is now "back in harness."

One of the most beautiful electric signs in a region that is figuratively alive with electrical displays, was recently installed at the flower shop of William Walker, on Jefferson st. above Fourth ave. The Walker sign is simple in design but at once attracts attention on account of the splendid appearance that is shown. The word "Flowers" is spelled across the face of the sign in letters 18 inches in height. 40-watt Tungsten bulbs form the letters, and the beautiful effect is greatly enhanced through the fact that each letter of the word is colored differently from its neighbor so that the colored sign stands out distinctly against the multitude of white-light electric signs that pervade the vicinity of the Walker establishment.

Corsage bouquets have been in large demand at the establishment of Mrs. M. D. Reimers during the past month. The little yellow Baby Chrysanthemum is becoming more popular every day, according to Mrs. Reimers. The chief use of the little fellow is for table decoration, and the prospect is that the variety will be largely cultivated in the future by local florists, as the demand this years is far in excess of the supply.

Mrs. Frances H. Martin, aged 89 years, died on the night of November 19 at her home in Louisville, of the infirmities of old age. Although her death is assigned to infirmity, it was entirely unexpected, for until she was attacked by a slight cold about one week previous, she had been in perfect health. Mrs. Martin was the Widow of James Martin, a prominent nurseryman of Taylorsville, Ky., and lived for fifty years in that city with her husband, celebrating there their golden wedding.

A deplorable accident recently resulted in the death of Joseph Hartlage, aged 16 years, grandson of Joseph Hartlage, a prominent Jefferson County florist living on the Camp Ground road near Louisville. Young Hartlage was hunting near his home with a companion, Charlie Rheinstedler, when an accidental discharge of Rheinstedler's shotgun fatally wounded the boy. The charge almost severed the backbone and a number of the shot entered the kidneys. G. D. C. Jr.

A Well Pleased Advertiser

Daniel K. Herr of Lancaster, Pa., on retiring from business, writes us that "using The Florists' Exchange alone as an advertising medium for the past eight years, it brought him custom for all he could grow and more."

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2¼ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 6 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

Asparagus Sprengeri

Strong 2½-inch pots, ready to shift $2.50 per 100, $22.50 per 1000

JACKSON & PERKINS CO.
Florists and Nurserymen, Wholesale only
NEWARK, Wayne County, NEW YORK

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2½-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 6 and 6 inch pots, $25.00 per 100.

PAUL I. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2¼-inch, $5.00 per 100, $40.00 per 1000; $50 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers. If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

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

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddelliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN,
SHORT HILLS, N. J.

Please mention the Exchange when writing.

ASSORTED FERNS
FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and Forsteriana, 2¼-in., 4 leaves, $10.00 per 100.

ASPARAGUS Plumosus, 2-in., $3.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.

BOSTON FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.

PIERSONI FERNS, 4-in., 10c.

SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c. each.

DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 6-in., 20c. each.

ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.

CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

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Westfield, N. Y.

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FERNS

Very Heavy Stock—All Pot Grown.

SCOTTII, 4-inch pots, $12.50 per 100; 6-inch pots, $35.00 per 100.

SCHOLZELI, very fine, 4-inch pots, $15.00 per 100.

TODEAOIDES, 4-in. pots, $12.50 per 100.

PANDANUS VEITCHII, fine plants, well colored; 4-inch pots, $40.00 per 100; 6-inch pots, $9.00 per doz.

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SCOTTII, $5.00 per 100.

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Bostons, from 7 inch pots, 60 cents each

Whitmani, from 5 inch pots, 30 cents each
Whitmani, from 6 inch pots, 50 cents each
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REVIEW OF THE MARKET

NEW YORK, Nov. 23.—Stimulated by the holiday now close at hand, the wholesale cut flower market today is in an active condition, and prices in general are considerably higher, especially in the case of Roses and Carnations.

American Beauty Roses are quite abundant, and the demand is readily absorbing the supply. Specials are selling at from 30c. to 40c. each. It looks today as if they had reached the top price for this week, and that the week's end might see lower prices. The supply of other Roses is only moderate, and they are moving well. The highest grade of blooms of each variety is selling as follows: Killarney, 8c.; My Maryland, 10c.; Bride and Bridesmaid, 12c.; Richmond, 15c.; Chatenay, 10c.; and Kaiserin, 6c. each. The lowest grade of blooms of each of the above is bringing from 1c. to 3c. It should be carefully noted that very few Bride, Bridesmaid, and Richmond arriving are good enough to realize the above quoted prices, and that after these are sold, the remainder go at a much lower figure.

Carnations are plentiful and have been selling freely, but it looks today as if the price at which they are held, 3c. to 6c. each, were checking the sales, and that these prices might retrogress later in the week—but prophesying is dangerous business.

In Orchids, the Cattleyas are still shy, but some few fine large blooms of C. Trianæ are now seen. The top price remains the same, 75c. each. Dendrobiums, best grade, realize 40c. each, and Cypripediums $1.50 per doz.

The supply of Gardenias and the demand for them, seem well balanced. The best blooms realize $3 per doz. A few extra choice blooms are selling for $4 per doz., while, on the other hand, the lowest grade blooms bring no more than 75c. per doz. There is a moderate supply of Lilies, and a somewhat better demand so that the price has advanced to $8 per 100. The supply of Lily of the Valley is abundant, and the demand is large and steady. The choicest blooms are selling for $4 per 100.

Perhaps the most disappointing feature in the market today is the rather slow movement of the larger Chrysanthemums. Fortunately, the supply is shortening just a little. On the other hand, the smaller grades are moving nicely, but at moderate prices. Few Chrysanthemums today realize more than $3 per doz., and when any above the $2 per doz. grade are offered the buyer demurs.

There is a short supply of Violets arriving in the New York market and the Violet sharps say that the cut of blooms in the Violet growing district is only about one-half the normal crop for this season of the year. Fancy blooms of Doubles sell for $1.50 and of Singles for $1 per 100. Daisies are improving in quality and sell for $1 to $1.50 per 100. Of the new seasonable blooms seen there may be noted Narcissus Paperwhite, white Romans, and Stevia, at quoted prices. The supply of Bouvardia, Sweet Peas and Mignonette is increasing and the quality improving.

Greens are all moving more freely, with little change for the better in price, and with Smilax at the end of the procession.

PHILADELPHIA, Nov. 21.—The conditions in the cut flower market today show great improvement. Nearly every kind of stock is meeting with a ready sale. The prices of many blooms show an upward tendency through all the grades.

The moderately abundant supply of American Beauty Roses is easily disposed of; specials are selling at from 30c. to 40c. each. There is a fairly good supply of all other Roses which the demand readily takes. The quality of the Killarney, Richmond and My Maryland varieties show a steady improvement. Kaiserin has seen its best days for this season. If Bride and Bridesmaid are to continue to be any considerable factor they must improve. A few extra choice Killarney, My Maryland and Richmond have reached the 12c. mark, but in general sales the top-notch price of these, and of Mrs. Jardine, is 10c.; of Bride, Bridesmaid and Perle, 8c.; and of Kaiserin, 6c. each. The lowest grade blooms of all the above sell for 3c. to 4c. each.

The steadily increasing demand for Carnations cleans up the fairly abundant supply. The quality is very good and the price has advanced. Novelties such as Mrs. C. W. Ward, Alma Ward, and a few others bring 6c. each. Fancy blooms of standard varieties are selling for 5c. each, and even the inferior grades bring $2 per 100.

In Orchids there are now in the market Lattleyas, a very short supply mostly of medium quality only, and a few Dendrobiums and Cypripediums. The top grade blooms of each sell respectively at 75c., 50c. and 15c. Gardenias are not very plentiful and the demand has increased greatly so that the present prices are from $2.50 to $4 per doz. Lilies still move rather sluggishly. Fortunately, the supply is not large; $1.50 per dozen is the price for the best blooms. There is a good supply of Lily of the Valley, but the active demand easily absorbs it, and fancy blooms realize $5 per 100, and common grade $2.

Chrysanthemums are still a commanding figure in the cut flower market. Extra quality blooms are seen of Bonnaffon, Dr. Enguehard, Maud Dean, Golden Wedding, and yellow and white Jones and Chadwick. The choicest blooms are selling for 40c. each, and ordinaries at $8 per 100.

The local crop of Violets is exceedingly short, and choioce Doubles today realize $1.50 per 100, with a strong probability of a $2 per 100 price on Tuesday. The other flowers now arriving are Bouvardia at $2 to $3; white and yellow Daisies at $1 to $1.50; Sweet Peas at 50c. to $1; Paperwhite Narcissus at $3 to $4; Callas at $10 to $12.50 per 100; and some very good white Lilac from the New Jersey growers at 75c. to $1.50 per bunch.

Greens, since the waning of the Oak Leaf supply are moving more freely, with an upward tendency in price; Adiantum at $1 to $1.50 per 100; Asparagus at 50c. per bunch; and Smilax at $1.50 to $1.80 per dozen strings.

CHICAGO, Nov. 22.—A great surprise has been in store for the trade. A week ago it was thought that with the exception of a scarcity in Chrysanthemums there would be plenty of stock in all lines for the extra call for Thanksgiving; but Monday morning found the market in a critical condition due to a shortage in all lines, owing to the several dark days experienced of late. Florists never have seen such a scarcity of stock at this time. A week ago the cut of Roses and Carnations was three times greater than today. It is certain that the wholesalers have been kept on the jump, and many shipping orders have been cancelled. Prices have taken a decided rise and at the present writing are equal to Christmas prices, and all stock is cleared off at that. While the supply has abated, the quality is not affected, and flowers in the market could not be in better condition. Everyone is rejoicing over the good prices obtainable, as for a long time stock was disposed of for a song.

Of American Beauty Roses, all that can be said is that there is not nearly enough for the demand. The same applies to every other variety. Pink Killarney and white varieties are more scarce than others.

Carnations have taken a big jump, and anything at all good brings 4c. with 5c. for extra fine stock.

Chrysanthemums would not be counted short with plenty of other stock available, but with the scarcity in other lines, the demand for them is so brisk that all available are snapped up. It is said that another week will make a big difference in the 'Mum line, as the cut is almost exhausted with most growers.

Lilies are scarce. Some good Callas are to be had. Valley is good, also the demand for it; price advanced to 5c. for best. Some few Paperwhites are on the market, although as yet not enough to attract much attention. Violets are arriving in better grades, the demand increasing, and prices, also, doubles selling at $1.50 to $2 per 100.

Orchids are scarcer than last week, and Gardenias are coming in more plentifully.

All green stock is good and in quantity; this line has suffered less than any other; the demand is very active.

INDIANAPOLIS, Nov. 22.—No extreme features were to be noted in the past week's transactions. Retail counter trade moved briskly everywhere and there was enough funeral work to rid the market of the surplus grades. Decorations of all kinds have not been as numerous as last season at this period, but the future in this respect promises a brighter turn. The Winter green season has already opened and there is some lively scrambling done to advantageously place large orders. Indianapolis is becoming quite a center for this class of dealing.

Chrysanthemums are still the leading feature in the flower world, and at least 50% of the total sales are credited to the Autumn flower. All varieties and colors may be selected. The Singles and Pompons are more numerous than ever before, and of a much better quality. The large blooms wholesale at $1 to $4 per doz.; the small, 50c. to 75c. per doz.; Single and Pompon kinds at $2 to $5 per 100 sprays. Thanksgiving in Indiana is to be enlivened this year with an unusual supply of them and they are being well advertised in the local press.

Carnations have become wonderfully scarce in the past few days. The shortage in this line was quite unexpected, and numerous orders were left unfilled early in the week. Prices for the better grades have advanced to $4 per 100; small and medium ones bring $1.50 to $2 per 100. The retail holiday figure is to be 75c. and $1 a doz.

Small ferneries for the table, also neat baskets of Lorraine Begonias and Lily of the Valley, or of the Winter berries are a tempting offer to the undecided public. Thanksgiving favors, such as miniature turkeys, hand-painted cards, pumpkins, etc., used as embellishments on blooming plants and arrangements, add much to their selling qualities.

Roses, particularly those adaptable to corsage purposes, are sold out each day. Select Killarney, My Maryland, and Richmond are being shipped in at $5 to $8 per 100. Local Bridesmaid, Bride and Killarney are in prime condition at the same figure. Shorts and seconds are not hard to dispose of at $2 to $4 per 100. A limited number of Bon Silene is retailing well at 75c. to $1 a doz. American Beauty, of the prize winning grades at the flower shows, are obtainable at $25 to $35 per 100; shorter stems bring $5 to $20 per 100. The retailers are asking $1 to $9 per doz. for them.

Callas and Harrisii Lilies are staple articles in this market at $10 to $12.50 per 100 wholesale, and $3 per doz. retail. Eastern Violets do not arrive regularly at $1 to $1.50 per 100, and the local cut is not sufficient. This irregularity causes the retail demand to suffer much, as the customer does not take excuses repeatedly. Cyclamen, Jerusalem Cherries, Primulas and Ericas are among the blooming plants to be had. The sale for them is not lively. I. B.

ST. LOUIS, Nov. 21.—The market last week was very scarce in everything in season and our commission men had hard times to fill orders, both for local and shipping demands. It was not that the retailers were so very busy, but stock shortened up considerably in Carnations, Roses and Violets. Chrysanthemums are greatly lessening in receipt also. This, Thanksgiving, week will find stock of all kinds scarce and prices almost equal to Christmas. Cloudy weather is responsible for this, according to the growers. Prices for this week opened up Monday, Nov. 21, as follows: Fancy Chrysanthemum blooms from $2 to $4 per doz.; fancy American Beauty, $4 to $6 per doz.; fancy other Roses, from $6 to $10 per 100; shorts, $4 to $5; Carnations, fancy, $4 to $5 per 100; extra select, $6; common sorts, $3 per 100; Violets from 75c. to $1 per 100; Paperwhite Narcissus, $4 to $5 per 100; Roman Hyacinths, the same; Lily of the Valley, $4; Stevia, $1 per 100; Lilies, $10 to $12.50 per 100.

The commission men are now overrun with advance orders for about all they will get in. Business will be good and we hope it will remain so from now on.

ST. PATRICK.

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Wholesale Prices of Cut Flowers, New York, Nov. 23, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 40.00
" extra	15.00 to 25.00
" No. 1	10.00 to 15.00
" No. 2	4.00 to 10.00
" No. 3	.75 to 1.50
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	3.00 to 10.00
Richmond	2.00 to 15.00
Mme. Abel Chatenay	1.00 to 10.00
Kaiserin	1.00 to 6.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	6.00 to 12.00
" extra	5.00 to 10.00
" No. 1	4.00 to 6.00
" No. 2	1.00 to 3.00
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	.... to 2.00
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Daisies	1.00 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 3.00
Standard Varieties: White	3.00 to 4.00
Standard Varieties: Pinks	3.00 to 4.00
Standard Varieties: Red	3.00 to 4.00
Standard Varieties: Yel. & Var.	3.00 to 4.00
Fancy (The highest grades of Std'd varieties): White	4.00 to 5.00
Fancy (The highest grades of Std'd varieties): Pinks	4.00 to 5.00
Fancy (The highest grades of Std'd varieties): Red	4.00 to 5.00
Fancy (The highest grades of Std'd varieties): Yel. & Var.	4.00 to 5.00
Novelties	5.00 to 6.00
Gardenias, per doz.	.75 to 3.00
Gladioli	.... to ....
Hydrangea	.... to ....
Lilies, Harrisii and Longi.	.... to 8.00
Lily of the Valley	2.00 to 4.00
Mignonette, per doz.	.50 to .75
Narcissus	.... to 2.50
Orchids, Cattleyas	40.00 to 75.00
Cypripediums, per doz.	.... to 1.50
Dendrobium Formosum.	25.00 to 40.00
Pansies, per doz. bunches	.... to ..
Poinsettias, per doz.	.... to ....
Hyacinths	.... to 2.50
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.20 to .25
Sweet Peas, per doz. bun.	1.00 to 1.50
Tritoma	.... to ....
Tulips	.... to ....
Violets, Double	1.00 to 1.50
Violets, Single	.... to 1.00

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New York

Wallace Pierson, Cromwell, Conn., was a recent caller in the wholesale cut flower district, as he was returning from the Chicago flower show. Mr. Pierson was again in town on Wednesday, with blooms of the new pink sport of the Chadwick 'Mum which they have had at Cromwell for two years. He will show the variety before the Chrysanthemum Society's committee on Saturday.

Hanft Bros., with a frontage of 75 ft. on Madison ave., and 50 ft. on 62d st., have an unsurpassed opportunity for window displays. At present they are showing some of the first blooming Azaleas, from J. M. Keller, Bay Ridge, L. I. The approach of the holiday season also is accentuated by a bright display of the plants of Christmas Pepper, Jerusalem Cherry, and Otaheite Orange, and boughs of Ilex verticilata.

The store of Christatos & Koster, 714 Madison ave., is one of the most original and homelike in its appointments of any in the city; a well filled conservatory in the rear adds to its appearance and convenience. Arthur H. Pritchard, the manager, keeps up a nice window display, which this week consists of plants of Begonia Gloire de Lorraine well covered with blooms, Crotons, and Lilium rubrum, Cattleya and Cypripedium blooms.

W. C. Turner, who recently opened a florist store at 625 Madison ave., is now thoroughly settled in his new quarters, and is making a neat window display of seasonable plants and blooms.

At J. W. Hauser's, 571 Madison ave., is seen a fine display of Cibotium Schiedei Ferns, and some remarkably good plants of the Cyrtomium falcatum Fern; also some pretty blooming plants of Erica ovata, the first of the season. Mr. Hauser reports the executing of steamer orders recently amounting to a wagon load of baskets of flowers, presents from friends to Frank Marchiano, who sailed on the Germania.

The A. T. Bunyard Floral Co., 48th st. and Madison ave., has a handsome new delivery wagon finished in green and gold. This company recently executed a pretty luncheon decoration for a table of ten plates. A high silver vase of Oncidium varicosum Rogersii and Zygopetalum occupied the middle of the table, and at each plate were smaller silver vases of Cypripedium Sanderæ and Farleyense Ferns, with tracings about the table of the pinnæ of the same Fern.

Charles A. Dards 44th st. and Madison ave., is handling exclusively the new Violet Marie Elise, and reports that it is selling well. The color is lavender, with white at the base of each petal. It is in striking contrast with Marie Louise, and even lighter in color than

Lady Hume Campbell. The fragrance is quite pronounced. Put up with lavender ribbon, and in boxes of the same color, they make a very attractive appearance.

Kessler Bros., 136-138 West 28th st., are showing some Begonia Gloire de Lorraine in 4-in. pots, and some Carnation plants in 8-in. pans, both well covered with blooms and of extra quality.

Horace E. Froment, 57 West 28th st., is receiving Killarney, Richmond and American Beauty Roses of very satisfactory quality from L. B. Coddington, Murray Hill, N. J.

August Schmidt, 321 First ave., and Mrs. A. Rapp of this city, were married at the Ninth St. Lutheran Church on Wednesday evening, Nov. 16, and are now receiving the congratulations of many friends in the trade.

The Bride and Bridesmaid Roses which H. Hentz, Jr., of Madison, and F. L. Moore of Chatham, N. J., are sending to Moore, Hentz & Nash, 55-57 West 26th st., are of the old time quality, and show that these old favorites are not altogether neglected. This company is also receiving My Maryland from A. P. Smith and Edward H. Behre, Madison, N. J., of splendid quality, and a steady supply of choice grade Lily of the Valley from Nisson & Madsen of Jersey City.

J. H. Small & Sons, 1153 Broadway, are showing in their window some magnificent blooms of the Gold Mine Chrysanthemum, in a setting of the largest and most perfect specimens of Boston Ferns seen in this city.

Andrew Sauter, 55 to 57 West 26th st., is receiving Sweet Peas of excellent quality from E. C. Pye of Nyack, N. Y., and an increasing supply of Mignonette from August Sauter of the same town.

Philip Kessler, 55 to 57 West 26th st., will have Freesia blooms for the Christmas holidays and also Chrysanthemums right up to Christmas. Some Maud Dean and Majestic 'Mums, which he is now receiving, are of splendid quality.

The wholesale and retail florists are a unit in their statement that the Horse Show last week brought no increase of business worthy of mention.

It is announced that the fourth annual ball of the Greek-American Florists' Association, given for the benefit of the fund of the Greek school, will be held at Grand Central Palace, Lexington ave. and 44th st., on Wednesday evening, January 18; tickets 50c. George Polykranas is chairman of the committee.

Joseph A. Anthony, J. and W. A. Manda have the sympathy of the trade in the death of their elder brother, a jeweler, which was announced on November 14.

The meetings of the New York Florists' Club Bowling Association continue every Friday evening at the alleys on 23d st. The prize for the evening this week, a silk umbrella, is donated by Myer, 59th st. and Madison ave. The scores last week showed an improvement.

Archibald M. Henshaw of Henshaw & Fenrich, 51 West 28th st., and Miss Ellen Thomson of Pittsburg, Pa., were married at Pittsburg on Tuesday evening, November 15. Mr. and Mrs. Henshaw arrived in this city on Monday of this week, where they will reside. They are receiving the congratulations of their many friends.

George Siebrecht, son of Wm. H. Siebrecht, and Walter Siebrecht, son of Henry Siebrecht of Siebrecht & Sons, will engage in the wholesale cut flower business at 136 West 28th st., beginning about December 1, under the firm name of Siebrecht & Siebrecht.

John J. Perkins will engage in the wholesale cut flower business at 117 West 28th st. about December 1.

Hanges & Papagelis, florists of 258 W. 116th st., have been discharged from bankruptcy.

Boston

Business conditions have improved immensely these last two weeks. There is no doubt the football match had its influence as, two days previous to the game, there was hardly a flower left in the markets or stores; in fact, Roses were so scarce on Saturday that the demand exceeded the supply, although the previous week the market had been glutted. We are now under the impression that with Thanksgiving Day and Chrysanthemums shortening up, the present prices will hold and, with these indications, we are assured of a fine business for the holidays.

Wm. Sim of Cliftondale is shipping in Violets and Sweet Peas. His Violets are not flowering nearly as profusely this as they have done in previous years and the blame is laid to the dry Summer. Later he expects a fine crop. He has three houses of Sweet Peas, two of which are in bloom now. He grows Violets between the rows of Sweet Peas. There are seventy thousand Violet plants in his houses this year. Mr. Sim is building two new greenhouses, 30 x 250 ft. His Tomato crop for the year was not as heavy as in previous years, but prices were much better so, on the whole, he made more money.

Wm. Patterson is bringing to the Boston Flower Exchange some very fine Stevia. Most of this stock coming into market is not up to the standard, as it has been forced into flower. Stevia is a Christmas crop and so unseasonable before then.

W. E. Turner of Woburn is an expert Pansy grower and is bringing to market some very choice flowers. He has a good strain and finds no difficulty in disposing of them at paying prices.

W. H. Tomlinson of Dorchester is bringing to market as fine White Bonnaffon 'Mums as are seen in the city. They are splendidly grown blooms having fine stout stems, plenty of healthy foliage and well-formed flowers.

H. J. Capers, salesman at the Boston Co-operative Flower Market, is handling daily 200 dozen yellow Bonnaffon, sent to him from The Halifax Garden Co. The same firm is also shipping him some White Bonnaffon and fine Carnations of the following varieties: Pink Delight, White Enchantress and Dorothy Gordon.

Oswald Ralph of South Weymouth has had a fine cut of 'Mums this Fall and is now shipping some excellent White Bonnaffon.

J. M. Cohen at the Boston Co-operative Flower Market is receiving some fine white and yellow Timothy Eaton 'Mums, grown and shipped by Wm. Phelps of Marlboro, Mass.

John Barr of South Natick, who has always fine crops of anything he handles, is having excellent success with Carnations. Carnation Queen is as good with him today as when it was first put on the market. His White Enchantress and White Perfection Carnations are also of excellent quality.

W. T. Walke of Salem has some fine houses of Lorraine Begonias. His Cyclamen are also good and the plants of Begonias and Cyclamen he is disposing of at the Boston Co-operative Flower Market find ready sale.

Lovely & Bond of Holbrook are still shipping good Chrysanthemums and their Carnations are of superior quality.

W. H. Elliott has the finest Rhea Reid Roses we have seen for many a day; they have stems 30 ins. long, excellent foliage, and the color of the flowers is unusually fine. Mrs. Aaron Ward Roses are coming with much longer stems, 30 ins. is their length. This Rose is just as popular as it was last year; there is much more of it in the market now, too, as several large firms are growing them in quantity. Killarney Roses are remarkable for their good color, the texture of the foliage and the length of their stems, the latter measuring 24 to 36 ins. But the most wonderful Roses Mr. Elliott is handling in quantity, for the length of their stems, are his Bon Silenes. It is seldom one has the pleasure of seeing Bon Silenes with 30 in. stems. These are raised at Mr. Elliott's Madbury (N. H.) establishment.

Wm. Cleary of Newton has some nice potted plants at the Boston Co-operative Flower Market and finds a good demand for them.

Burgess & Cooney of Maplewood have some good late Chrysanthemums and they are shipping them in large quantities.

The Bonnaffon and Timothy Eaton 'Mums from Alexander Porter of Woburn are of high quality and he finds no difficulty in disposing of them.

Joseph Farrell of Woburn is one of our large Violet growers and his Princess of Wales are exceedingly good.

Henry Comely, on Park st., reports a very busy season and has many orders booked for weddings and banquets within the next two or three weeks. R. C.

Philadelphia

The most noteworthy event in the florists' circle in Philadelphia this month is the election of Joseph Heacock, of Wyncote, Pa., president of the Florists' Club of Philadelphia, to the office of State Senator. Mr. Heacock was the nominee from Montgomery Co. on the Democratic ticket, and was endorsed by the Keystone party. He was elected by a majority of about 1500 votes. The sterling character of the man weighing more heavily than all party considerations added greatly to the number of the votes which he received,

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J. KOPELMAN
Wholesale and Commission Florist
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GREENHOUSES, OAKLAWN, R.I.
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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Nov. 19, 1910	Pittsburgh Nov. 21, 1910	NAMES AND VARIETIES	Boston Nov. 22, 1910	Detroit Nov. 21, 1910	Cincinnati Nov. 21, 1910
... to 25.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	20.00 to 25.00	30.00 to 40.00
15.00 to 18.00	30.00 to 35.00	" extra	6.00 to 10.00	18.00 to 20.00	15.00 to 25.00
10.00 to 12.50	20.00 to 25.00	" No. 1	3.00 to 6.00	8.00 to 15.00	8.00 to 12.00
4.00 to 8.00	8.00 to 12.50	" No. 2	... to ...	4.00 to 7.00	... to ...
4.00 to 8.00	4.00 to 10.00	Killarney	2.00 to 8.00	3.00 to 10.00	3.00 to 6.00
4.00 to 8.00	4.00 to 10.00	White Killarney	2.00 to 8.00	3.00 to 8.00	3.00 to 8.00
... to ...	4.00 to 8.00	Bride and Bridesmaid	2.00 to 4.00	3.00 to 6.00	3.00 to 8.00
... to ...	... to ...	Mrs. Jardine	... to ...	... to ...	... to ...
... to ...	4.00 to 10.00	My Maryland	... to ...	3.00 to 8.00	3.00 to 6.00
4.00 to 8.00	6.00 to 10.00	Richmond	2.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 6.00	... to ...	Perle	... to ...	... to ...	... to ...
... to ...	... to ...	Golden Gate	... to ...	... to ...	3.00 to 5.00
4.00 to 6.00	4.00 to 6.00	K. A. Victoria	2.00 to 8.00	4.00 to 10.00	... to ...
... to 1.00	1.00 to 1.50	Adiantum	.75 to 1.25	1.00 to 1.50	... to ...
... to 30.00	35.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	... to 10.00
... to 30.00	20.00 to 40.00	Sprengeri, bunches	25.00 to 50.00	20.00 to 30.00	... to ...
... to ...	... to ...	Bouvardia	... to ...	... to ...	... to ...
... to 12.50	... to ...	Callas	... to ...	... to 12.50	... to ...
... to ...	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 2.00	... to ...	... to ...
2.00 to 3.00	3.00 to 4.00	Standard Varieties: White	1.00 to 2.00	1.50 to 2.00	2.00 to 5.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Pink	1.00 to 2.00	1.50 to 2.00	2.00 to 5.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Red	1.00 to 2.00	1.50 to 2.00	2.00 to 5.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Yellow and var.	... to ...	... to ...	... to ...
4.00 to 5.00	... to 5.00	*Fancy: White	1.50 to 3.00	2.00 to 3.00	... to ...
4.00 to 5.00	2.50 to 5.00	*Fancy: Pink (*The highest grades of Sta'd vars.)	1.50 to 3.00	2.00 to 3.00	... to ...
4.00 to 5.00	2.50 to 6.00	*Fancy: Red	1.50 to 3.00	2.00 to 3.00	... to ...
4.00 to 5.00	... to ...	*Fancy: Yellow and var.	1.50 to 3.00	... to ...	... to ...
6.00 to 8.00	8.00 to 15.00	Chrysanthemums, ordinary	... to ...	6.00 to 10.00	12.50 to 20.00
15.00 to 25.00	20.00 to 30.00	fancy	5.00 to 20.00	12.00 to 25.00	... to ...
... to .75	.50 to 1.00	Daisies	... to ...	... to ...	... to ...
... to .20	... to ...	Ferns, hardy	... to ...	... to .15	... to .15
... to .15	... to .12	Galax, green and bronze	... to ...	... to .12	.10 to .15
... to ...	... to ...	Gardenias, per doz.	1.00 to 1.50	... to ...	... to ...
... to 12.00	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	12.50 to 15.00	... to ...
... to 3.00	3.00 to 5.00	Lily of the Valley	2.00 to 8.00	3.00 to 4.00	3.00 to 5.00
... to ...	... to ...	Mignonette	... to ...	4.00 to 6.00	... to ...
... to ...	... to 75.00	Orchids—Cattleyas	25.00 to 40.00	... to 50.00	... to ...
... to ...	... to ...	Cypripediums	8.00 to 12.00	... to ...	... to ...
... to ...	... to ...	Deadroblums	... to ...	... to ...	... to ...
... to 1.80	... to 1.80	Smilax, (per doz. strings)	... to ...	.50 to 1.80	... to ...
.75 to 1.00	... to ...	Sweet Peas	.30 to .60	.50 to 1.00	... to 1.00
... to ...	... to ...	Violets, single	.50 to 1.25	.50 to 1.00	.75 to 1.00
.75 to 1.00	... to 1.50	double	... to ...	.50 to 1.00	.75 to 1.00
... to ...	... to ...		... to ...	... to ...	... to ...
... to ...	... to ...		... to ...	... to ...	... to ...
... to ...	... to ...		... to ...	... to ...	... to ...

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SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
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All Cut Flowers in Season
Heller Bros.' Fine Beauties. Market Prices.
Boxwood, $7.50 per case of 50 pounds.
Leucothoe Sprays, 50c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.
E. G. GILLETT
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A. T. DE LA MARE PTG. & PUB. CO.
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THE AMERICAN CARNATION By C. W. WARD
Price $3.50. Send for Sample Pages
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WARD'S ROOTED CUTTINGS

ALMA WARD
$7.00 per 100, $60.00 per 1000

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Ready for Delivery December 15th. Satisfaction guaranteed

Good, profitable Commercial Varieties. We are handling flowers every day, commanding highest prices in the market. Let us tell you what We know about them.

THE LEO NIESSEN CO. 1209 ARCH STREET
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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Nov. 21, 1910	Buffalo Nov. 22, 1910	NAMES AND VARIETIES	Phil'delphia Nov. 21, 1910	St. Louis Nov. 21, 1910
30.00 to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	30.00 to 40.00	15.00 to 25.00
20.00 to 25.00	12.50 to 15.00	" extra	25.00 to 30.00	..... to 10.00
12.50 to 15.00	8.00 to 12.00	" No. 1	20.00 to 25.00	..... to .....
6.00 to 10.00	3.00 to 4.00	" No. 2	10.00 to 12.50	..... to .....
4.00 to 6.00	3.00 to 8.00	Killarney	4.00 to 10.00	3.00 to 6.00
4.00 to 6.00	4.00 to 8.00	White Killarney	4.00 to 10.00	3.00 to 6.00
3.00 to 5.00	3.00 to 8.00	Bride and Bridesmaid	3.00 to 8.00	..... to .....
..... to	..... to	Mrs. Jardine	4.00 to 10.00	..... to .....
4.00 to 6.00	3.00 to 8.00	My Maryland	3.00 to 10.00	4.00 to 6.00
3.00 to 6.00	3.00 to 8.00	Richmond	4.00 to 10.00	5.00 to 6.00
3.00 to 4.00	3.00 to 6.00	Perle	6.00 to 8.00	..... to .....
3.00 to 5.00	..... to	Golden Gate	3.00 to 8.00	..... to .....
3.00 to 6.00	4.00 to 8.00	K. A. Victoria	3.00 to 5.00	..... to .....
..... to 1.00	.50 to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 20.00	Asparagus, Plumosus, bunches	..... to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	..... to 60.00	..... to .....
.....to	..... to	Bouvardia	2.00 to 3.00	..... to .....
.....to 10.00	10.00 to 12.00	Callas	10.00 to 12.50	..... to .....
..... to 1.50	..... to	Carnations—inferior grades, all colors	..... to 2.00	..... to .....
2.00 to 2.50	2.00 to 2.50	Standard Varieties: White	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Pink	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Red	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 2.50	Standard Varieties: Yellow and var.	3.00 to 4.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	4.00 to 6.00	3.00 to 4.00
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	4.00 to 5.00	3.00 to 4.00
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	4.00 to 5.00	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	4.00 to 5.00	..... to .....
6.00 to 10.00	6.00 to 10.00	Chrysanthemums, ordinary	8.00 to 12.50	..... to .....
15.00 to 25.00	12.50 to 20.00	" fancy	15.00 to 40.00	..... to .....
..... to	..... to	Daisies	1.00 to 1.50	..... to .....
..... to .15	..... to .15	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	..... to .10	..... to .....
1.50 to 2.25	..... to	Gardenias, per doz.	2.50 to 4.00	..... to .....
..... to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	10.00 to 12.50	..... to .....
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	..... to 4.00
..... to	2.00 to 4.00	Mignonette	..... to	..... to .....
..... to	60.00 to 75.00	Orchids—Cattleyas	..... to 75.00	..... to .....
..... to	10.00 to 15.00	Cypripediums	..... to 15.00	..... to .....
..... to	..... to	Dendrobiums	..... to 50.00	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.50 to 1.80	..... to .....
.75 to 1.00	.50 to .75	Sweet Peas	.50 to 1.00	..... to .....
..... to	..... to	Violets, single	.60 to 1.00	..... to .....
.50 to .75	.60 to .75	" double	1.00 to 1.50	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

Gardenias

What is more beautiful than a GARDENIA with its purity and fragrance and rich glossy green foliage?



We are glad to say Our Growers are in strong with splendid crops; quality of bloom and length of stem far above the average—the quality that brings the buyer again. **Number 1 $3.00, Fancies $4.00, Specials $5.00 per doz.**

PM QUALITY

WE ARE NOW BOOKING ORDERS FOR ROBERT SCOTT & SON'S NEW ROSES

	Doz.	100	250	1000
Melody, own root	$6.00	$30.00	$70.00	$250.00
Double Killarney, own root	3.00	20.00		150.00

For grafted add $5.00 per hundred on Melody and $10.00 per hundred on Double Killarney. 2½-inch, March delivery.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

Mr. Heacock is well known as a very successful grower of Palms, Roses, Carnations and Orchids. He is a very busy man, engaged in the conduct of a large business requiring close personal supervision, but he is fortunate in having his business carefully systematized, and in having able men in charge of its different sections. Furthermore, there was a time when a man's duty to the State counted for more than any personal interest, and those who know Mr. Heacock best assert that he belongs to that class of men.

J. Otto Thilow, chairman of the essay committee of the Florists' Club of Philadelphia, announces that Edward A. Stroud, of the Overbrook Gardens, Overbrook, Pa., will be the essayist at the Club meeting on the evening of December 6. The subject of Mr. Stroud's address will be "How Can We Make Our Flower Shows More Interesting." Coming so closely on the heels of the many recent flower shows, while the mistakes thereof are still fresh in mind, the subject is a very timely one.

Edward Reid of Ranstead st. is receiving regular shipments of the beautiful new pink Rose Radiance, and also the first blooms of the season of Paperwhite Narcissus. The recent Reid-McIntyre-Fullmer hunt at Buena, N. J., resulted in a bag of 39 rabbits.

Samuel F. Lilly, 5 So. Mole st., is meeting a boom in the 'Mum business, especially in the varieties Bonnaffon and Lynnwood Hall. Some choice varieties of Single and Pompon 'Mums also prove fast sellers.

John W. McIntyre, Ranstead st., is now handling some nice Lilac, yellow Daisies and Violets.

Jack Crawford is still confined to his home at West Philadelphia. He was recently the recipient of the gift of a well-filled purse from his many friends.

William Herbert, of David Herbert & Sons, Atco, N. J., reports the harvesting of a very large crop of roots from their 65 acre Dahlia farm, and that the roots from the unirrigated and irrigated portions of the field show by comparison the great advantage of irrigation.

The S. S. Pennock-Meehan Co. is now receiving regular shipments of the new Rose Melody, Lilac of good quality from the New Jersey growers, and specimen blooms of Dr. Enguehard, Maud Dean, and Jones 'Mums. Recent callers at the store of this company were Charles and William Feast, of Samuel Feast & Sons, Baltimore, Md., and George Fields, Washington, D. C.

H. H. Battles, 106 So. 12th st., is showing a very pretty window of Cypripedium insigne, Oncidium tigrinum and Cattleyas; and the Century Flower Shop, 112 So. 12th st., is already displaying offerings of berried Aucuba plants, and Holly branches.

J. J. Habermehls' Sons, the Bellevue-Stratford florists, had two large decorations on Monday, one the table decorations for sixty-five plates for the Thomas Dolan dinner, given in the Clover room of the Bellevue-Stratford, and the other the Academy of Music decoration for the Knights of Columbus' ball.

The steamships Manitou and Prince Oskar brought, this week, large invoices of holiday goods to H. Bayersdorfer & Co., 1129 Arch st. Recent callers at this company's store were Tillie Held and E. T. Kirkley of Baltimore, Md., and Adolf Mueller, Norristown, Pa.

The Christmas list of the Robert Craig Co. is now in the hands of the printer and will be mailed about November 30. A recent caller on this company was Mrs. George McLean, Youngstown, O.

Crawford, 5210 Market st., is much pleased with his increasing business at this location, where his first year ended October 20; and the second year has begun with very satisfactory sales. Chrysanthemums in pots are the store feature this week.

Detroit

The demand for all cut flowers is very brisk but we all feel the lack of good Cyclamen plants in this district.

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beaulies, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

The football game at Ann Arbor brought out a very heavy demand for large yellow 'Mums, and notwithstanding the large consignments from outoftown, everything in this color, from 25c. to $1 a bloom, was cleaned up by Saturday night.

The Detroit Florists' Club held, recently, a very good little show in 'Mums and general lines of potted plants, at its rooms. Messrs. Danzer, Stevenson and Mitchell acted as judges, certificates being the awards given. Fred Breitmeyer's exhibits were far ahead of anything shown in Roses and Carnations, while Thos. Brown carried off the honors in large 'Mums. Taepke showed a very good assortment of 'Mums in commercial sizes. In potted plants Chas. Plumb took the honors. Lorraine Begonias by M. Bloy were especially fine.

FRANK DANZER.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

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51 Wabash Ave.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

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Wholesale Growers of

CUT FLOWERS

All Telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

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FLORISTS ST. PAUL, MINN.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Nov. 21, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 5.00
30-inch stems.. "	3.00 to 4.00
24-inch stems.. "	.... to 3.00
20-inch stems.. "	.... to 2.50
18-inch stems.. "	.... to 2.00
12-inch stems.. "	.... to 1.50
8-in. stems and shorts "	.... to 1.00
Killarney	4.00 to 6.00
" extra	8.00 to 10.00
White Killarney	8.00 to 10.00
Richmond	6.00 to 10.00
My Maryland	6.00 to 10.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	3.00 to 4.00
" No. 1	.... to 2.00
" No. 2	to 1.50
Perle	5.00 to 7.00
Chatenay	4.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	6.00 to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.75 to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Callas	.... to 12.50
Chrysanthemums, doz.	3.00 to 4.00
" fancy doz.	5.00 to 6.00
Daisies	.... to
	.... to ....

CARNATIONS	
Standard Varieties White	2.50 to 3.00
Standard Varieties Pink	2.50 to 3.00
Standard Varieties Red	2.50 to 3.00
Standard Varieties Yel. and Var.	.... to ....
*Fancy White	4.00 to 5.00
*Fancy Pink	4.00 to 5.00
*Fancy Red	4.00 to 5.00
*Fancy Yel. and Var.	.... to
*The highest grades of Sta'd varieties	
Ferns, hardy, per 1000	.... to 1.50
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Lilies, Harrisii and Longi	12.50 to 15.00
Lily of the Valley	4.00 to 5.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	60.00 to 75.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Sweet Peas	.75 to 1.00
	.... to ....
Violets, single	.75 to 1.00
" double	1.50 to 2.00
Gardenias	25.00 to 35.00
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 Wabash Ave., CHICAGO

Please mention the Exchange when writing.

Chicago

Thanksgiving week opened with many advance orders for stock in all lines, and while Thanksgiving Day is not a holiday in any respect like Christmas or New Year's Day, the demand in the shipping line has been unusually heavy. The local trade was also brisk, as many flowers are used for home decorations. Many of the growers say that owing to the extremely hot weather in October the crops developed so rapidly that at this time Roses especially are off crop, causing a scarcity. This condition, however, makes prospects for the coming holidays more favorable, as the buds showing now indicate a full crop about that time.

At the Land Show now in progress at the Coliseum, The MacRorie-McLaren Co. of San Francisco, Cal., have a booth in the Californian exhibit, displaying a collection of flowering plants that are most beautiful, notwithstanding the long journey. Between three and four hundred Poinsettia plants in bloom, the same number of Hydrangeas in magnificent colors, pink, blue and white, and a fine group of Scotch Heather in full bloom make up the display. Nothing better was ever put before the public. The company also shipped nine dozen bunches each of the Russian and Fragrant Violets. Strange to say the Russian variety was as fresh and beautiful as when first packed, while the Fragrant variety was of no use whatever, being completely spoiled. Mr. Smith, representing the company, came to take care of the display. As this is the only concern or State showing anything in the floral line the exhibit is attracting much attention from the visitors.

R. A. Smyth, the Benton Harbor florist, is also prominent at the Land Show, being in charge of the exhibit of three counties of Michigan. A display of Apples and fruits grown in that section, with other products of the land, comprise the exhibit. As far as is known our florist friends are not concerned in the show.

S. W. Coggan, formerly of Burt & Coggan, Battle Creek, Mich., was in Chicago on Monday, buying stock. On November 16 Mr. Coggan had a Fall opening at his store and says that over 5000 people attended. He had for souvenirs 4000 plants of 'Mums in 2½-in. pots, in flower, and after these were all disposed of he had to give away over a thousand blooms of cut 'Mums, so that the crowd would all be treated fairly.

Friedman had the plant decoration at the opening of the Straus Bank in the Atwell Building last week. The effect was very beautiful, many of the prize 'Mum plants from the Chicago show being used, with other decorative plants. For the same affair A. Lange furnished four large vases each of American Beauty Roses and Chrysanthemums.

The displays of Chrysanthemums both at Lincoln and Garfield Parks this year are exceptionally fine, and the greenhouses have been filled every day and evening with residents of Chicago who make of the conservatories popular resorts. Garfield Park has confined its display to 'Mums, while Lincoln Park has a fine display of Orchids and other flowering plants as well.

Tim Matchen of Peter Reinberg's says that stock seems plentiful until they undertake to fill all the orders on hand, when they realize that there is a shortage all around. Mr. Reinberg arrived home from his hunting trip on Saturday, well pleased with his success.

Manager A. T. Pyfer of the Chicago Carnation Co. says they cannot as yet make any complaint in regard to Carnations being scarce. The shipments are arriving in the same large quantities as usual, and meet with a quick sale. Wm. Starrett, of this company, was on the sick list this week.

Wietor Brothers are cutting two varieties of 'Mums that are entirely different from the general varieties usually grown—a yellow, called Nagoya, of a deep shade, well formed flowers; and a pink called Jeanne Rossette, a late pink. The latter is a French variety that they find to be a winner. A house of late Chadwick is just in crop this week, and this will about finish the 'Mum season. The firm rebuilt 24 houses this season, the first houses erected by them, and they now have a complete uptodate establishment in every respect.

Charles McKellar reports a decided shortage in Cattleyas, but says that Chicago is not the only city, as a shortage of Orchids is reported all over the country. Frank Ayers of this house is a victim of la grippe this week.

Kyle & Foerster are receiving excellent stock from all quarters. The Callas at this place are the best to be found on the market.

Harry Manheim, with Hoerber Brothers, says stock from Des Plaines is coming in excellent condition and it keeps the force busy filling the many orders each day. Their Roses, Carnations and 'Mums are all of the highest quality.

The J. B. Deamud Co. finds no difficulty in disposing of the large shipments of stock received each day. The company is still handling some magnificent blooms of several varieties of 'Mums as well as Roses and Carnations. Some exceptionally fine Lily of the Valley is to be noticed at this house.

Poehlmann Bros. Co. are still adding to their already extensive establishment, the Foley Mfg. Co. having the contract for thirteen houses, 27x250 ft. each. This company is surely progressive. The stock coming in from the Morton Grove plants can hardly be equalled; the American Beauty Roses are magnificent.

Bassett & Washburn found their shipping orders all they could cope with in the early part of this week. Their offices have been refitted with new desks and fixtures, which add greatly to the appearance of these quarters. Their American Beauty Roses are still up to the first prize standard.

Zech & Mann say that one of their principal growers was late in planting his Roses in the houses, which was greatly lamented at the time, but as they are now in full crop he deems it a favorable instead of unfortunate circumstance.

The A. L. Randall Co. say they are receiving a good price for every Cattleya coming into the house; they only wish that it were possible for them to obtain four times the quantity received at present. Frank Johnson, who has been on a trip, is at home again.

Vaughan & Sperry find the demand for Boxwood very heavy. American Beauty Roses handled by this firm are leaders in quality; they are also receiving excellent shipments of Carnations. Mr. Vaughan says business was never better than at the present time.

Vaughan's nurseries at Western Springs never had such a Fall business as this year, several carloads of stock having been shipped recently. Vaughan's Seed Store is handling two carloads of Spiræas this week.

A carload of Japanese bulbs arrived at Winterson's Seed Store last week.

Visitors: Mr. Rice of Rice Bros., Minneapolis, Minn.; W. Eckhardt, Minneapolis; H. M. Burt, Jackson, Mich.; Ed. Amerpohl, Janesville, Wis.; Paul Zoellner, La Crosse, Wis.

St. Louis

We had the pleasure of entertaining Jimmie Karens, traveling representative of Henry A. Dreer, Inc., Philadelphia, last week; his trade here is always good.

William Schaumann, who until recently managed the floral store of Grimm & Gorley, left here last week to locate at Port O'Connor, Texas, and will go into business on his own account; he is O. K. and will make good wherever he goes.

Ostertag Bros. are having a good run of funeral work and downtown store decorations. John Barnard left their employ last week.

Miss Mary Ostertag has advertised her store at Olive st. and Vandeventer ave. for sale. This is a good stand for some enterprising man to take hold of, as it is now established.

W. C. Smith Wholesale Floral Co. are handling a fine cut of Violets from their Kirkwood consignors; from this quarter the local storemen get their supply in season.

C. A. Kuehn says stock will be scarce for this week, as word was received from his consignors that the dark weather of late will shorten up the supply greatly, so stock for Thanksgiving will be scarce and prices high.

Adolph Brix of the Brix Floral Co. reports business very good of late and competent help scarce; his head man left last week to accept a position with a West End florist.

R. J. Windler on South Grand ave. is making a fine show of plants and cut flowers; he visited the Chicago and Milwaukee shows and was greatly impressed with both. Business is picking up nicely with him.

Henry Kahrs, who a few years back was in the employ of Grimm & Gorley, is again in their employ. Francis Gorley is now buyer in the wholesale market for both stores.

The Retail Florists' Ass'n. will hold an important meeting on Monday, Dec. 5, and President Sanders would like to see a large attendance; the meeting will take place in the usual meeting hall.

J. J. Beneke was quite happy last week when it became known that he was a grandfather for the second time; and St. Patrick has also become an uncle.

The 'Mum show at Shaw's garden last week was well attended, both day and night; it was a grand show for the local trade to visit. Supt. Irish says, the weather permitting, the show will hold over another week. ST. PATRICK.

St. Paul, Minn.

Several prominent society events, a number of prominent weddings, and the general awakening of business since election are contributing factors in promoting a lively business in the flower trade. Thanksgiving will also stimulate business; then comes the Christmas and New Year's holidays and the "giddy glide" until Lent returns again to prepare us and our products for Easter.

Among the novelties seen this season are pink and white Bouvardia, grown a score of years ago by the pioneers in the business. Gardenias are also being grown locally. In 'Mums, the Anemone, Pompon and Single varieties are in great demand. Romans and Paperwhites as well as Sweet Peas are in the market.

Frank Johnson of A. L. Randall Co., Chicago was a recent caller.

O. J. Olson and G. A. Clausen are on their annual moose hunt in the northern part of the State.

Nursery Notes

Holm & Olson, Inc., have recently added to their nursery holdings by pur-

English Ivy

Strong Bushy Plants

From 4-in. pots - - $12.00 per 100
Rooted Cuttings - 10.00 " 1000

Peter Wenk, OZONE PARK (L. I.) N. Y.

Please mention the Exchange when writing.

Rubber Plants

FINE FOR IMMEDIATE RETAIL SALES

5, 6, 7 and 8-in. pots, 35c., 50c., 75c and $1.00 each
Boston and **Whitmani Ferns,** 10-inch tubs, $1 0 each.
Azaleas, in bloom for Christmas, $1.25 and $1 50 each. Cash Please

N. A. CORLIN, Elberon, N. J.

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Smilax Plants

Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.

R. KILBOURN, Clinton, N. Y.

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20,000 PRIMROSES

Obconica, Ginnis; Chinese, Large-flowering, Fringed, and **Kewensis,** the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant, 3-in. $4.00 per 100.

CINERARIAS, Large-flowering, 3-in. $3.50 per 100; 2-in., $2.00 per 100.

DRACAENA Indivisa, field-grown, strong, for 4-in. pots, $4.00 per 100.

These are well grown plants and will please you. Cash please.

J. W. MILLER, Shiremanstown, Pa.

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CINERARIAS

DWARF HYBRIDS, Large Flowering, Finest Shades and Colors; strong, stocky plants, ready for shift, 2 in., $1.50 per 100, 3 in., $2.50 per 100.

E. VAN BENTHUYSEN, R.F.D. 6 Schenectady, N. Y

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Chinese and Obconica Primroses

Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. **PRIMULA Obconica,** 5-in., $10.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

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1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1 00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

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Rooted Cuttings

By the 100 prepaid.	100	1000
GERANIUMS, 2-in., Grant and Chas. Gervias	$2.00	$18.00
ENGLISH IVY	1.00	9.00
GERMAN IVY	.50	4.00
FEVERFEW, Large Double White	1.00	9 00
HELIOTROPE	.75	6.50
LEMON VERBENA	.75	6.50
PANSY PLANTS, Kenilworth Strain	.50	3.00

CHARLES FROST, Kenilworth, N. J.

Please mention the Exchange when writing.

chasing 27 acres of land in this city. This will be planted to ornamental stock in the Spring, to be used in their landscape department. E. W. Reid, formerly secretary of L. L. May & Co., is now manager of the nursery department of the firm.

John Vry, superintendent of the Mayfield Nurseries, Lakeland, for several years, has severed his connection there and is now manager of the nursery department of the Farmer Seed and Nursery Co., Faribault.

The midwinter meeting of the Minn. State Horticultural Society will be held in Minneapolis in December. An unusually interesting program has been arranged.

Considerable alarm is expressed over young stock, evergreens, etc., going into the Winter with so little moisture in the ground. During the eight months ending Nov. 1 but little over one-third the normal precipitation has fallen, and it seems as hard for snow to fall as for rain. A heavy snowfall would be a real boon to Northwestern nurserymen.

VERITAS.

Indianapolis

J. S. Stuart of Anderson presided at the executive board meeting of the State Florists' Association on Monday, November 21. The flower show receipts were sufficient to meet all requirements. The fact is generally accepted that the next show will be held in Richmond.

J. J. Karins was a recent visitor; he reports a lively business en route to his Thanksgiving dinner at Riverton.

The Kentucky Tobacco Product Co. is represented in this section by J. H. Lindenberger.

Tomlinson Hall Market is prospering these days, in both wholesale and retail transactions. Much is brought there each market day and closed out at satisfactory prices.

John Bertermann has returned from Peoria, Ill.

Hartje & Elder are cutting a fine lot of Single Chrysanthemums.

Henry Rieman has been busied with large funeral orders lately.

Alvin Schreiber of Bertermanns is again able to be about after a spell of sickness.

John Evans' corner stone laying is to take place in Richmond, Ind., during the Summer of 1911. This is to be an event in the florists' circles, according to some of John's most intimate friends.

The E. G. Hill Co. is sending many of its large blooms to this city.

Anthony Wiegand has been quite ill.

I. B.

Toledo, O.

Chrysanthemums have now had the field for almost two months, with Roses and Carnations following in the order named and, while early in this month we thought it would be hard to hold the 'Mums back to be in the pink of condition for Thanksgiving Day on account of the exceptionally bright and warm weather, November has been so sunless and cold that a good many 'Mums will not be ready and the supply will last much longer than other years.

Bonnaffon and Chadwick will take the lead now with some five or six additional varieties to make a change in the scenery. Prices realized so far have been fair and the growers are satisfied. Of the novelties sent out this Spring Elise Papworth, Donatello and Edmund Albe have proved good and will be planted in larger lots. Golden Glow has again proved its worth and more will be grown next year. Pompons are gaining in favor and they certainly deserve it.

In regard to Carnations, I have seen a lot today at E. Kubnke's place which looked very fine; the cut has been a good one, so far, of flowers of good quality. This grower has just completed a shed on which several months' labor had been spent. It is a very substantial affair, 39 x 125 ft., the entire walls and foundation being of cement and cement blocks, with an extra strong roof. This will give a good all-around workroom. Stevia is one of Kubnke's specialties and he is proud of them, too; he considers them a good paying crop.

Our Club had a very lively meeting this week. It was held at the establishment of the new firm of Timm & Wirz, the majority of the members being present. A schedule of prizes was again arranged for the second meeting in December; one prize for the best arranged 6" pot of flowering and foliage plants wich can be retailed at a price within the reach of most pocketbooks; one prize for the best pan of Poin-

WE WERE AWARDED

17 First Prizes on 17 Entries

For our Chrysanthemum Plants at the recent **Chicago Flower Show** by the most critical judges that ever judged plants.

WE KNOW HOW TO GROW Good "'Mums" and Other Stock.

SEND US YOUR ORDERS FOR CHRISTMAS

VAUGHAN'S GREENHOUSES, Western Springs, Ill.

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Chrysanthemums

Our efforts to produce New Chrysanthemums of sterling merit have been crowned with success.

Our 1911 Novelties will be the best offered the trade. Descriptions and prices on application.

Our Asters are just as good as our Chrysanthemums.

The strain known as Smith's Peerless, in white and light pink, are unequaled by other strains.

We have the Best Standard Sorts which we are selling per pound, ounce or less to meet the requirements. Prices on application.

ELMER D. SMITH & CO. Adrian, Mich.

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CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 5 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybrids All Colors, in bud and bloom, from 5 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $1.00; from 4 in. pots, $8.00 per 100. **Satisfaction Guaranteed.**

PAUL MADER
EAST STROUDSBURG, PA.

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FEVERFEW

ROOTED CUTTINGS, $1.00 per 100, $10.00 per, 1000; 2-inch pots, $2.00 per 100.

COLEUS 2 - inch pots, $2.00 per 100.

VINCA VARIEGATA 3 - inch pots, $4.00 per 100.

ERNEST HARRIS, Delanson, N. Y.

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Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

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Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Piersoni and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 35c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and Sprengeri, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

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Chrysanthemum Stock Plants

Stock Plants of White Frick Chrysanthemum, $1.00 per dozen. Also, Marguerite Daisies, $3.00 per 100.

PAUL FISCHER, WOOD-RIDGE, Bergen County, N. J.

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Chrysanthemums

STRONG STOCK PLANTS.

Touset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and **Baby** (Small Yellow).

75 cents per doz.; $1.00 per 100.

WM. SWAYNE, Kennett Square, Pa.

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JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine KENTIAS

Send for Price List

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J. L. DILLON

Wholesale Florist

Bloomsburg, Pa.

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ROOTED CUTTINGS

PETUNIAS, Dreer's Superb. Double Fringed, the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J

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Our Xmas Number

Will be Issued

On Saturday December 10, 1910

Your special advertising for this great Business Bringing Issue is solicited.

Forms close Wednesday, Dec. 7, first mail.



For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	476 4½-in. pots in crate	$5 24	HAND MADE 48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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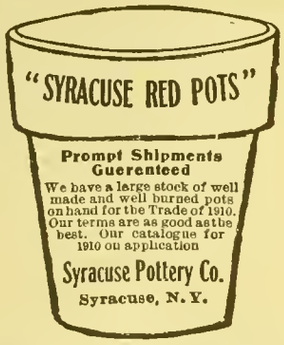

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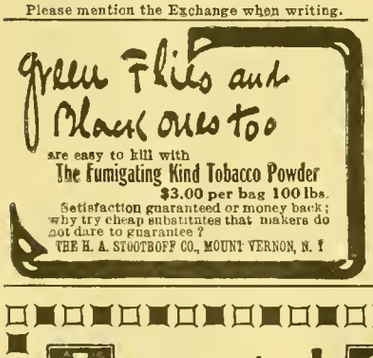

RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street **New York**

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SCOTCH SOOT



It Helps Your Carnations and Roses

Scotch Soot adds color to the bloom. Drives slugs and worms out of the soil. Should be used by all good growers.

100 lbs. $2.50; 500 lbs. $11.25; 1000 lbs. $20.00.



STUMPP & WALTER CO., Importers, 50 Barclay St., NEW YORK

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OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

FERTILIZER

For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

Fertilizers of all kinds at wholesale prices.

William M. Davidge, P. O. Box 5 Brooklyn, N. Y.

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settia, and one prize for the three best flowers of Poinsettias. It was also decided that thereafter ladies may become members of the Club, a departure which is perhaps new to a good many other clubs.

Trade has been good with our retailers this week and stores are now decorated with Fall colored Beech branches and Chrysanthemums which, in many instances, give a charming impression.

At Schiller's place, the Cyclamen and Primulas are better than ever and the extent of these two stocks will be largely increased the coming season. The first lot of Cyclamen are now being transplanted to be ready for February shipments, while the second lot, which brings the number of plants up to 40,000, is just coming up nicely. S.

San Francisco

An Improved Market

Market conditions have undergone a slight change for the better since last week, and business all round has shown considerable improvement. Roses in all lines are fairly plentiful although the quality of the blooms is not what it ought to be. American Beauty are much in demand and more could be disposed of if they were available. Carnations are in good demand and the quality of the stock is all that one could desire.

Chrysanthemums continue to be the most popular flower, and immense quantities of fine blooms are being disposed of daily. Stock grown outdoors under canvas has been very fine owing to the scarcity of rain this Fall.

Orchids are in big demand and sell well. Cattleyas are the most popular flowers at present among the smart set and Orchid dinners are the latest fad in Society circles. Gardenias are arriving in limited numbers and are bought up rapidly. In green goods the supply is equal to the demand.

Notes Around and About Town

Pellicano & Rossi have bought a handsome new automobile delivery wagon; nothing like being uptodate.

Andrew McDonald of Menlo Park, is at present visiting Los Angeles, and other places of interest in the South.

George H. Powell, acting chief of the Bureau of Plant Industry, and recognized as the greatest fruit expert, has accepted the position of secretary and manager of the Citrus Protective League at a salary of $10,000 a year.

The Pacific Coast Horticultural Society has arranged a special excursion to the city of Stockton on Nov. 20 to visit the growers in that section. A large delegation of members have signified their intention of going and a pleasant and instructive outing is assured to all those who attend.

Albert Johnson of the Turlock Nursery Co. was a recent visitor in town.

The MacRorie-McLaren Co. report the arrival of a large consignment of bulbs from Japan.

The Trumbell Seed Co. will, in the course of a few weeks, retire from the seed business; the store of this firm at 61 California st., has already changed hands and will be carried on in the future under a new name.

Julius Eppstein's new store on Post st. certainly does its owner credit. A recent visit made by the writer showed everything spick and span and decidedly uptodate. Mr. Eppstein is young, enthusiastic and full of new ideas, and we all join in wishing him good luck in his new venture. McMILLAN BROWN.



Please mention the Exchange when writing.



Please mention the Exchange when writing.



THE BEST **Bug Killer** AND **Bloom Saver**

FOR PROOF WRITE TO

P. R. Palethorpe Co.
Owensboro, Ky.

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The Mastin Automatic Whitewash and Spraying Machine



Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake Street
CHICAGO, ILL.

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Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DeLaMare Co. (Pubrs. F. E.)
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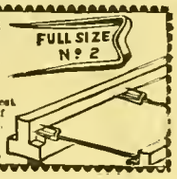

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TILE BENCHES & TILE BOTTOMS
Results are satisfactory. Many second and third orders.
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Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.
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ALL SIZES
16x24 A. & B. Double a Specialty
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Greenhouse Materials Furnished and Erected
IRON or WOOD SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
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Cut and Spliced Ready for Erection

Pecky Cypress for Benches
We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection
We carry the largest stock of
HOT-BED SASH
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20,000 Bxs. in Stock **GLASS** At Wholesale

LATEST UP-TO-DATE
Twin-Section Boilers
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BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

OUR NEW
VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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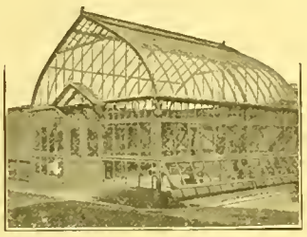

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Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

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Order at Once. We Can Ship Promptly
Louisiana Red Cypress Greenhouse Material
GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH
THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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Buffalo

This city certainly has its share of Chrysanthemums, for in the last two weeks the wholesale houses and retail florists were deluged with them, and there are very few cut flowers in the market that do not feel the pressure of the immense quantities of 'Mums.

E. A. Slattery, manager for Palmer's store at 304 Main st., is absent from duty owing to his wife's illness, who has an attack of typhoid fever.

W. H. Grever reports a very good demand for the Ever-Ready Flower Pot Cover, the sales for same having increased all over the country.

W. J. Palmer & Son claim they are kept very busy with funeral work, also wedding decorations and bouquets. The advance orders for Thanksgiving are rolling in quite fast.

W. C. Stroh, of 354 Main st., is up and doing, both at his store and greenhouses at Attica, N. Y. He is one of our Buffalo busy bees. A very fine line of Palms and Ferns is on exhibition at his store. He reports plenty of bouquet and funeral work.

S. A. Anderson, 400 Main st., is one of the old-style florists, and, with his assistant, certainly turns out some of the best and largest orders in the city. As to beauty and taste, he cannot be excelled. He certainly shows some very fine types of 'Mums, Palms and Ferns.

A new florist has made his appearance on upper Main st., near Utica st., a very fine location, and he is doing a very good business for a newcomer in that section. J. Kramer is the lucky proprietor of this new establishment.

H. Weber of 3378 Main st. has a very fine lot of Begonia Gloire de Lorraine; in fact, some of the best specimens that have been seen in this section for some time. He also deserves credit for his collection of Chrysanthemums which he is cutting daily and delivering to the leading florists in the city.

Robert Avery has a very nice lot of Chrysanthemums, Maud Dean and white and pink Ivory, which he has already promised to his many customers, and there is doubt whether he can supply the demand.

Prof. Cowell of South Park Conservatory has his annual Chrysanthemum show open to the public, displaying some of the best and latest sorts of 'Mums in existence.

Frank Weixelman, Seneca st., Ebenezer, N. Y., has his two greenhouses filled with some very fine 'Mums of Maud Dean and Bonaparte, also a very fine collection of Ferns in varieties for Fern dishes, Primulas, Cinerarias and Cyclamens in great numbers, of which he makes a specialty.

Galley Bros., Gardenville, N. Y., have their four greenhouses well filled with Carnations and 'Mums. Of the latter they have just cut 4000 blooms for one order to go to one of our leading florists in Buffalo for Thanksgiving. They certainly deserve credit as it is a showing very seldom seen in this section.

Lehde & Schoenhut of Gardenville, N. Y., also are in the land of the living. They are very busy getting ready for next Spring's trade, and judging from the many cuttings now in their benches, they will be able to meet all demands. L. H. S.

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This Boiler has found great favor with the greenhouse trade throughout the entire country. "The Kroeschell" will develop more heat units per pound of coal consumed than any other form of construction.

More Kroeschell Boilers and Generators used for greenhouse heating than any other make.

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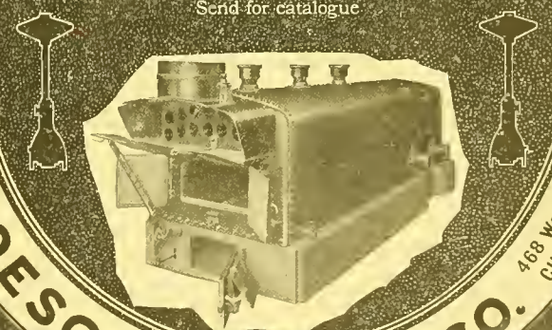

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Perched on a hillside with all sorts of construction difficulties to overcome, it meets the demands not alone of being practical, but equally well the requirements of ornamentalness.

The workroom is underneath—the palm house is curvilinear—the rest of the houses curved eave—construction is our Iron Frame.

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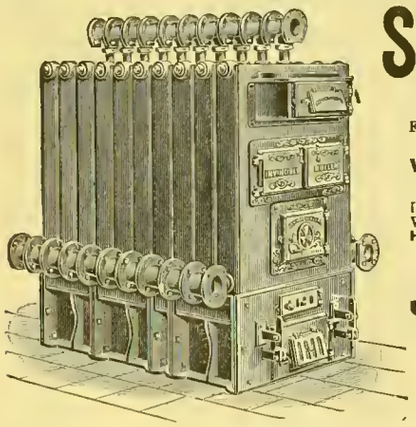

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INSURANCE OF YOUR PLANTS FROM FREEZING in cold weather may be obtained at trifling cost if you will use a



LEHMAN WAGON HEATER

There is no danger of fire; no smoke, dirt or gases to injure the plants. They burn Lehman Coal, which costs less than half a cent per hour. 350,000 Lehman Heaters are in actual use which shows they have merit. Florists everywhere use and recommend them. HAVE YOU ONE? BEWARE OF IMITATIONS! Write for circular telling more about them today.

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THE PRICES ADVERTISED FOR THE TRADE ONLY

Cincinnati

As I write we are on the eve of Thanksgiving Day, and I believe every florist in the United States has reason to be thankful for the past year's business; we are also thankful that we have had no financial crisis. The only serious trouble I recall occurred in the city of New York, during the strike of the expressmen, and we are very thankful to think that it did not spread and that matters were arranged satisfactorily so that the florists will not be handicapped during the holidays. The outlook for Thanksgiving is very encouraging indeed in this city; flowers are on the scarce side, and everything is selling at top prices.

Chrysanthemums are now beginning to return good value; Eaton, Bonnaffon, Chadwick and Jones are the principal varieties offered for sale. Pompons are very popular in this market and Schmidt of Oxford is the fortunate grower who has them in quantity and quality; they bring about 75c. per bunch wholesale. The better class of flower buyers are always looking for something that is odd and scarce and are willing to pay the price.

Single Violets are very much in demand in this market, and are very scarce, as also are Carnations; 3c. and 4c. are the average prices for first class Carnations.

Green goods cut quite a figure in this market. Boxwood is now in and is a ready seller.

J. Alexander, representing Lion & Co., was a caller during the week.

E. G. GILLETT.

Pittsburgh

Conditions the past two weeks have not changed very much for the better although prices are somewhat firmer. Society affairs are not as conspicuous as in other years and business in general is somewhat dull. There is an abundance of good stock offered at reasonable prices. 'Mums, of course, are in the lead; good blooms bring about 25c. wholesale but lots of cheaper ones are sold for 10c. and less. A few of the smaller growers and market gardeners are cutting a good many at present and manage to get $10 per 100, wholesale, from the dealers, and sell the same on their own stands at $1 per doz. retail. Carnations seem plentiful and of a good quality, selling from $1.50 up. Roses are also plentiful and low in price. Violets are not in great demand. Romans and Paperwhites go slow. The weather the past two weeks has been decidedly wintery, cold below freezing, snow and very little sunshine.

Julius Ludwig secured the decorations, for the firm of G. & J. W. Ludwig, for the annual banquet of the Jefferson Masonic Lodge on the North Side, to which quite a few of the prominent florists belong.

Visitors the past week were W. Craig, M. Renkauf of Bayersdorfer & Co., and S. S. Skidelsky, all of Philadelphia.

Edward Ludwig, youngest son of E. C. Ludwig, is visiting his brother, DeForest, at Cornell University, where he is a student in botany and forestry.

The Pittsburg Cut Flower Co., the oldest and largest wholesale florists' business in the city, has issued a most complete catalog for the wholesale trade, which includes almost everything necessary in the florists' supply line. This company has nine acres of glass at Bakerstown for growing cut flowers, one of the finest establishments in the country. Their present store room on Seventh st., a very central location, gives them about fourteen thousand sq. ft. floor space to handle supplies and cut flowers.

Geo. J. Langhans, a cousin of Philip Langhans, of the Pittsburg Cut Flower Co., died Nov. 20, at his home on the North Side. He was 24 years old and started in the florists' business a few years ago with E. C. Ludwig in the North Side market; lately he was with H. Bliud & Bro. on Liberty st.

Jas. Meiklejohn, representing H. F. Darrow of New York, was in the city on his way West.

John Bader, who was confined to the house for several weeks with a severe cold, is able to be about again.

E. C. REINEMAN.

CLEVELAND, O.—Fire at Knoble Bros., 1836 West 25th st., recently destroyed the greenhouse and a barn located near it. The fire was confined to the rear of the premises and did not reach the store rooms in front. About $1000 damage was done.



Use Sunlight Sash

side by side with ordinary Sash this Winter

See how much bigger and sturdier the plants under Sunlight Double Glass Sash will be. See how little care they require—how they save time and labor because you never have to cover them.

The double layer of glass does it Between the two layers of glass is a ⅝ inch transparent blanket of dry, still air—a perfect non-conductor, keeping in the heat, keeping out the cold. Since the sash are never covered the plants get all the light from sun-up to sun-down.

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GET THESE TWO BOOKS AND TESTIMONIALS FROM HUNDREDS OF USERS

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with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog

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Will be Issued

On Saturday, December 10, 1910

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Forms close Wednesday, Dec. 7, first mail.



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U-BAR GREENHOUSES

PIERSON U-BAR CO.
DESIGNERS AND BUILDERS 1 MADISON AVE. NEW YORK

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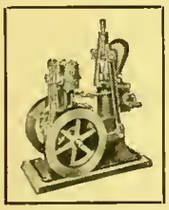

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Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

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Washington, D. C.

The dark, cool and windy weather which has predominated through the greate portion of November has, to a great extent, curtailed the supply of flowers, and will make some Thanksgiving stock a little late. It has, however, been favorable to a number of growers who are holding back their 'Mums for that day; the Jeanne Nonin variety, which is so popular among the Washington florists and the public generally, will hold sway as a white from Thanksgiving on to Christmas.

There seems to be an increased number and variety of novelties on the market this season, most of them small, fancy basket effects for cut flowers, and small plants. The first of the early bulbous stock is being shown in some of the stores, principally the Paperwhite Narcissus, but the quantity is limited. Sweet Peas of good quality are being handled by some of the dealers, and white Lilac is to be had, though the demand for it, as yet, is light.

With the reconvening of Congress on December 4, the city will fill up rapidly with flower buyers, and business will undoubtedly assume normal proportions. Most of the dealers look for the best trade ever enjoyed during this particular period.

W. W. Kimmel, who has been disabled by straining the muscles of his leg, is much better and able to lay aside his crutches. He has the contract for top dressing the big lawn around the Capitol, and is busy accordingly. The material for his greenhouse at the rear of his new store is arriving, and the work of erection will begin at once.

Edward F. Schmid, son of the genial Ed. S. Schmid, was married, on November 16, to Miss Eunice Marie Knorleim. The best wishes of all follow them.

JAS. L. CARBERY.

FIRST COST SHOULD NOT BE THE ONLY CONSIDERATION IN

GREENHOUSE CONSTRUCTION

KING HOUSES ARE REASONABLE IN COST AND TRULY ECONOMICAL, FOR THEY ARE LASTING AND EASY OF MAINTENANCE, AND RELIEVE THE MIND IN TIME OF STORM.
SEND FOR OUR BULLETIN.

KING CONSTRUCTION CO.

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Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

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We will give one copy Plant Culture and The Florist's Exchange two years, all for $3.00.

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A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

This reliable cultural work has been gotten up for use, not ornament; therefore the price has been fixed at a figure within the reach of all. It contains more real practical information for those for whom it is intended than is found in much more pretentious works.

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That our prices are low enough for you to save money, no matter where you live?
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Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
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Couplings furnished.
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November 28th to December 2nd

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There will be two full-sized Burnham Boilers. The Boiler with *the long fire travel that makes the short coal bill.* It will be your chance to look The Burnham over thoroughly.

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That extra wide Giant Arch with its V shaped brace feature is shown up in splendid shape. You will want to give that arch your particular attention.

After you have "talked house" with Mr. Connor, give him a chance to explain how we make our "Sash That Last"—and why they last. The sash will be there.

A new feature will be a showing of the Junior Sash and Frames and some Melon Frames that really are melon frames. The practical kind.

Another thing—we have just written Mr. Connor to make you a special price proposition on an order for a house placed now, and delivered in the Spring. He will tell you about it.

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Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
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VOL. XXX. NO. 23 NEW YORK AND CHICAGO, DECEMBER 3, 1910 One Dollar Per Year

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We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value; plants that will please the most critical buyers both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, $20.00 per 100; 6-in., $6.00 per doz.; large specimens in 12-in. pans, $3.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, $25.00 per 100; 6-in. pans, $6.00 per doz.

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Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per doz.

Nephrolepis Scottii 8-in. pans, $12.00 per doz.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cytomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

For Special Offer of BULBS, see page 997.

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6-inch pans, strong bushy plants..... $0.50 each, $6.00 per doz.
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5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50, $2.00 and $2.50 each.

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4-inch pots, $15.00 per 100.

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3-inch pots, $15.00 per 100.

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6-inch pots, $1.00 each.

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Short, stocky plants, $2.50 per doz., $20.00 per 100.

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6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

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5-inch pots, 75c. each, $9.00 per dozen
6-inch pots, $1.00 each, $12.00 per dozen

BEGONIAS GLOIRE DE LORRAINE

5 inch pots..... .....50c each; 6 inch pots.....75c and $1.00 each.

ASPARAGUS SPRENGERI
2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS
2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

Please mention the Exchange when writing.

AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Maróner, Deutsche Perle, Llewelyn, Niohe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown....	$7.00	$50.00
10- to 12-inch crown....	5.00	35.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Bulb Surplus

		Per 100	Per 1000
2500	**Victoria Narcissus**, double crown	$1.25	$11.00
4000	**Victoria Narcissus**, single crown	.80	7.00
1000	**Poeticus Ornatus**	.75	6.50
1000	**Princeps**	.80	7.00
1000	**Golden Spur**, large size	2.00	18.00
4000	**Murillo Tulips**	1.25	10.00
800	**Proserpine Tulips**	2.00	18.50
800	**Vermilion Brilliant Tulips**	2.25	20.00
500	**Tournesol Tulips**	1.60	15.00
9000	**Spanish Iris**, 5 varieties	.40	3.50

HYDRANGEA OTAKSA

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case.....	$4.00	$35.00
6x7, 335 to the case.....	5.50	50.00
7x9, 200 to the case.....	9.00	80.00

CASE LOTS AT 1000 RATES

Lilium Formosum

	100	1000
6x 8, 400 to the case...	$4.50	$40.00
7x 9, 300 to the case...	8.00	70.00
9x10, 200 to the case...	10.50	95.00

CASE LOT. AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case...	$7.00	$60.00
8x10, 225 to the case...	10.00	90.00
9x10, 200 to the case...	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

GERANIUMS

We have an immense stock ready for shipping, in the best assortment of Standard Varieties there is in the country; **from 3-inch pots at $3.00 per 100, $25.00 per 1000; 2-inch pots at $2.00 per 100, $18.50 per 1000.**

We will send 1000, in 20 good distinct varieties, our selection, from 2 inch pots, for $18.50 cash. We have been sending out these collections for a number of years and stake our reputation on them.

Our New Illustrated Descriptive Geranium Catalogue is ready for distribution. If you fail to get one, write us; it is the Geranium Blue Book for 1911, and the finest publication of the kind ever gotten out, accurately describing over 400 varieties, including nearly 100 of the 1910 Novelties.

We are Headquarters for Geraniums, and invite a critical inspection of our stock.

See Florists' Exchange, issues of November 5th and 12th, for list of Assorted Plants.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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Christmas Offering!

	100	1000
LILIUM Candidum, 22 cm.	$5.00	
Harrisii, 5-7	3.00	
Harrisii, 7-9	6.00	
Harrisii, 9-11	20.00	
FREESIAS, Selected	.35	
TULIPS, Artus, Scarlet	1.00	$9.00
Belle Alliance, bright scarlet	1.75	16.00
Chrysolora, yellow	.75	6.50
Pottebakker, yellow	1.00	9.00
Pottebakker, white	1.20	10.50
Double Rex Rubrorum	1.40	12.50
Double La Candeur	1.15	10.00
WHITE ROMAN HYACINTHS, 12-15	1.80	
13-15	2.00	
DUTCH ROMAN HYACINTHS	1.25	12.00
NARCISSUS, Double Roman	1.00	8.00
Von Sion, Selected		12.00
GLADIOLUS, Colvellei, The Bride	.75	6.00
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRAEA, Japonica, extra strong	5.00	45.00
compacta multiflora	5.00	45.00
Astilboides floribunda	6.00	50.00
CHINESE SACRED LILIES, $1.25 per basket of 30 bulbs		30.00
BOUQUET GREEN, 8c. per lb.		

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well retted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co 50 Barclay St. NEW YORK

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We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

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Stokes Seeds Philadelphia — Salvia Seed

For Seedsmen

I have a small surplus of my own growing at *"Floracroft Gardens"* as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9 00
SALVIA Clere Bedman or Bonfire	1.60	16.00

ALL 1910 CROP

STOKES' SEED STORE
219 Market Street Philadelphia, Pa.

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15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.
ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

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BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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CANNAS

One Million Sound, Plump Roots, 2 to 3 eyes, and true to name; over 100 leading kinds, $7.00 per 1000 and upwards. CANNA SEED, 1910 Crop, All Kinds Mixed, $1.00 per lb. Also DAHLIAS, GLADIOLUS, IRIS, ETC.

SHELLROAD GREENHOUSES, Grange BALTIMORE, MD.

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WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

We are also large growers of other Small Seeds. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
Ventura, California

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COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Brazilliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
merillme	1 50	12 00
schizephylle	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneli	1 50	12 00
eriospathe	1 50	12 00
Garineriae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
odorate	1 50	12 00

MacRORIE-McLAREN CO.
711-714 Westbank Building, San Francisco, California
NURSERIES, SAN MATEO, CALIFORNIA SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

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Price $3.50. Send for Sample Pages
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Tulips and Hyacinths

AT CLEARANCE PRICES

AN OPPORTUNITY FOR SHREWD BUYERS

Write for complete Surplus List at once

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217 Market St., PHILADELPHIA, PA.

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SPIRAEA and GLADIOLI

	Doz.	100
SPIRAEA Gladstone,. Extra strong clumps	$1.25	$9.00
SPIRAEA Compacta Multiflora	1.00	6.00
SPIRAEA Astilboides Floridunda	1.00	6.00
SPIRAEA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride, 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom, 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS UMBELLATUS, blue	1.50	10.00

Write for prices on Fresh Asparagus Plumosus Nanus Seed.

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XXX SEEDS

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, Giant, single fringed large and fine, pkt. 20c.
PETUNIA, Giant Double Fringed, very fine, trade pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact. 1000 seeds, 40c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c.
CINERARIA, large-flowering dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giarts, mixed, 200 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz., $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c. Grand.
LOBELIA, EMP. WM., dwarf, very dark blue, finest of all the Lobelias; pkt. 20c.
TORENIA FOURNIERI, New Giant, extra fine, pot plant, pkt. 20c.
CANDYTUFT, New Giant Hyacinth-flowered, a great cutter, pkt. 20c.
ANTIRRHINUM NOVELTIES. Defiance, fiery scarlet; **Black Prince,** nearly lack; **Queen Victoria,** finest white. **Mixed,** or **Separate,** pkt. 20c
SWEET WILLIAM; new colors of large ite-centered, fine, pkt. 20c.
COLUMBINE, New blue with yellow spurs, extra, pkt. 20c.
SH. MROCK, Irish Green, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

CASH. Liberal extra count.

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!! SPECIAL OFFER F. O. B. YOUR DEPOT!

Prices hold good as long as stock is on hand: Per 1000

Hyacinths, mixed colors, separate	$20.00
Hyacinths, miniature, true to name	18.00
Hyacinths, second size, true to name	35.00
Hyacinths, first size, true to name	50.00
Tulips, single, in finest mixture, separate colors	7.00
Tulips, single, Artus	10.00
Tulips, single, Keizerkroon	11.00
Tulips, single, La Reine	8.00
Narcissus, von Sion, double-nose, extra fine	19.00
Spiraea, Gladstone, fine, heavy clumps $9.00 and $12.00 per 100	
Spiraea, Queen Alexandra, fine clumps, $16.00 per 100.	

F. W. O. SCHMITZ, Prince Bay, N. Y.

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JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$6.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	6.00
Roseum, Rose V. Marlenthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.

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Begonia Seeds

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties. Trade packet of 10,000 seeds, $1.00; ½ trade packet, 50c. Cash with order.

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CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

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Bridgeman's Seed Warehouse

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Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

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ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 200 seeds, 75c. per 1000 seeds, $2.75 per 6000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.

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Thorburn's Seeds

CYCLAMEN GIGANTEUM SEED

Berglinden Strain, NEW CROP

Special offer to Florists of this splendid strain (*sold by us for many years.*)

Pure White, White and Red, Dark Red, Cardinal, White and Rose, Lilac, Rose, Mixed. **All 50 cents per 100 seeds, or $3.50 per 1000 Seeds.**

Aurora Borealis, Salmon Queen. **60 cents per 100 seeds, or $4.50 per 1000 Seeds.**

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

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President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, etc.—November 19-20.—ex. S. S. Antilla—T. Meadows & Co., 5 cases trees; A. Rolker & Sons, 7 cases live plants; Hussa & Co., 4 cases plants. Nov. 21.—ex. S. S. Hird.—Reed & Keller, 10 pgs. dried plants; P. Henderson & Co., 50 bags Grass seed; Maltus & Ware, 68 cases live plants. November 22.—ex. Schr. S. A. Fownes from River Herbert.—Maltus & Ware, 68 cases live plants; P. Henderson & Co., 50 bags Grass seed. November 23-24.—ex. S. S. A. J. Sterling.—O. G. Hempstead & Son, 68 cases Lily pips; W. Hagemann & Co., 319 cases Lily pips; H. F. Darrow, 249 cases Lily pips; J. Roehrs Co., 30 cases Lily pips; F. R. Pierson Co., 100 cases Lily pips; W. H. Siebrecht, 40 cases Lily pips; McHutchison & Co., 451 cases Lily pips; J. C. Pollock, 24 cases Lily pips; Weeber & Don, 34 cases of Lily pips; S. Stern, 159 cases Lily pips; Lunham & Moore, 587 cases Lily pips; McHutchison & Co., 458 cases bulbs; H. F. Darrow, 80 cases Lily crowns; J. M. Thorburn & Co., 30 cases bulbs; Amermann & Patterson, 2 cases trees. November 26-27.—ex. S. S. Romanic.—Davies Turner & Co., 15 pgs. trees; Weeber & Don, 12 cases Musbroom spawn; T. Pollock, 119 pgs. seeds; P. O. Godwin's Sons, 27 pgs. seeds; T. Meadows & Co., 43 pgs. seed; McHutchison & Co., 4 cases plants.

European Notes

The wintry spell still continues and the thermometer has registered 16° below freezing point in several places during the present week. Snow and heavy rain alternate with the foregoing and the plants for next year's crops are suffering in consequence.

Turnips and Rutabagas which have been transplanted during the early days of the month look very sickly, but a mild spell, if it comes quickly, would, no doubt, put them right.

Brassicas, generally, would be greatly benefited if milder and drier weather sets in; just now the strong clay lands are sodden, cold and unworkable, the temperature one foot below the surface being 4° colder than the average. This would not matter very much if the transplanting had been effected at the proper time but, as it was fully six or eight weeks later than is usual, the plants are not quite prepared for such a severe shock. Surpluses will be a minus quantity again next year.

The aforesaid unfavorable weather hinders the threshing of the balance of our 1910 crops, and so prolongs the agony. Every fresh threshing is a disagreeable surprise, both to grower and dealer, and proves afresh the truth of the old adage, "No sun, no grain." EUROPEAN SEEDS.

Down in a little village of Ollioules, France, near the famous old City of Toulon, lives a man very prominent in France; a man of sterling qualities, culture, refinement, education and wealth. This man is one of the best hearted men who ever lived. Being a student of nature, he is much interested in flowers and incidentally is the Largest Grower and Exporter of French Bulbs in the World. His name is Martial Bremond, and he is the successor of his father, Mr. Louis Bremond, the founder of the French Bulb Industry in Ollioules.

Bremond's Bulbs are known all over the World (and they are marketed everywhere) as the best French Bulbs produced—no exceptions. Years of labor have brought about such results. You can't buy better French Bulbs because there are none better to buy. In this country they are labelled Horseshoe Brand Bulbs; bulbs of Mr. Bremond's production, and they are the most economical to buy because they give better results than any other brand known.

Try them.

RALPH M. WARD & COMPANY

Not How Cheap— But How Good" 12 WEST BROADWAY, NEW YORK

All varieties of Cold Storage Japan Lilies ready for delivery now, or during 1911.

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Gmbriatum Carmineo—Marginatum	8.00	1.00
lory of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—It's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

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FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN, Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Mont Blanc,** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

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Cineraria Seed

Large-Flowered-Prize, Splendid Mixed, Trade Pkt. 50 cents.

Large-Flowered-Prize, Dwarf, Splendid Mixed, Trade Pkt., 50 cents.

PANSY

Beckert's Superb Mixture. Ounce, $4.50.

W. C. BECKERT

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PITTSBURGH, PA., (North Side)

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PROVIDENCE, R. I.

One of New England's Oldest Seed Houses

GENUINE SQUANTUM SWEET CORN

RHODE ISLAND BENT GRASS SEED

SEND FOR 1911 CATALOGUE

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GARDEN PEA SEED

Gradus, Thos. Laxton, Sutton's Excelsior and others of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.

Preliminary Wholesale List now ready.

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

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Prices Advertised in these Columns are for THE TRADE ONLY

ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE

P. O. Box 1697, N. Y. CITY

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red
Pure Pink
Pure White
White, with Dark Eye

60 cents per 100

$5.00 per 1000

Salmoneum 75c. per 100 $7.00 per 1000

Ruhm von Wandsbeck, (PRIDE OF WANDSBECK) The best growing salmon sort, $1.00 per 100; $9.00 per 1000

Fimbriatum carmineo marginatum, white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.

Please mention the Exchange when writing.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 92 Years

Please mention the Exchange when writing.

American Notes

Bulb Business Still Continues

Just as long as Winter weather conditions hold back, there will be more or less bulbs disposed of; and the past week has been no exception in this regard, as quite a few bulbs have been selling both at wholesale and retail, those seedsmen and dealers having surpluses in any direction having made strenuous efforts to dispose of the same before freezing weather can put an end to the sales. Of course, there will be a great many bulbs sold yet; sales always are made right up to the first of the year, and even beyond that time, but it certainly cannot be long now before real cold weather puts a stop, practically, to all outdoor bulb planting.

There is little worth special mention in regard to bulb sales of the past week. Auratum and speciosum Lilies and Lily of the Valley pips and clumps have been selling actively. Quite a demand was also noted in some sections for named Tulips, both single and double, but in this line stocks are about disposed of. Those seedsmen and dealers who make a specialty of a line of Christmas stock such as Christmas trees, Holly, etc., will, of course, be busy in this line until the holidays, but those in the trade who do not carry Christmas goods will from now until quite well into the new year have their quietest time as regards sales of seeds; and while everything pertaining to the seed business is now at its very dullest period, the outlook is very encouraging and everyone expects that the turning of the year will start one of the most active seasons of seed selling that we have experienced for a long time.

Christmas Stock

The writer last week spoke about arranging early for supplies of Christmas trees, and this advice should not be disregarded by those dealers who may, for the first time, be adding Christmas evergreens to their other lines. It takes a long time to receive into stock the bulky Christmas trees, and unless they are on hand at least two weeks or more before Christmas, sales will be very much curtailed. The mistake of purchasing too many of the larger trees should not be made, for while these sell to a certain extent to churches and institutions, it will be found that the best sellers are the small trees, which can be retailed for from 35c. to 75c. each. There is one item in the line of Christmas trees that can be very easily supplied and for which the demand is particularly good, and that is the, so-called, "table trees." These are the tops of small trees mounted on some sort of a wooden base to keep them upright on a table. Such trees bring easily $1 to $1.50 each, and necessitate but little work to arrange. Speaking of Christmas specialties, Immortelles will be found to be good sellers, especially in the red color; in fact, about all the call is for red Immortelles, from which the wreaths and various designs are made. The other lines of Christmas evergreens, of course, including Laurel and bouquet green, are easy to arrange for and obtain. In buying Holly, it is well to select dark, glossy-leaved and well-berried stock, as Holly not well supplied with berries always sells very poorly, if at all.

Seed Catalogs

If any dealer's seed catalog is not already well under way, not a moment should be lost in starting the same, as just as soon as the year turns inquiries begin to come in for seed lists and such publications will be needed at the very latest early in February. As has been intimated in these columns many times, it is much better to place the printing of the seed catalog or list in the hands of expert horticultural printers, who will produce a carefully printed and properly illustrated trade-bringing book. The difference in price between having a catalog furnished by printers thoroughly versed in this special line of work and in the ordinary way is very little, if any, and any seedsman or dealer who has once had a proper list or catalog to send out will never return to the old type. V.

New York Seed Trade

The mild weather for the season still continuing, retail counter sales of bulbs have been quite good the past week, and did much to work off whatever surpluses there are. The seedsmen who handle more or less of a line of Christmas evergreens report business as already starting in this direction and look for a more than average satisfactory holiday trade.

John Russell, who has been for some time with Arthur T. Boddington, has connected himself with Joseph Breck & Sons Corporation of Boston, Mass.

The Stumpp & Walter Co. report the bulb trade as still quite active and their stocks in this direction are beginning to be closed out in a very satisfactory way.

Lester Morse, of C. C. Morse & Co., San Francisco, Cal., has been in town the past few days and speaks of the California seed crop which has just been harvested as, on the whole, most satisfactory. In fact, it may be stated that California is the one bright spot in seed yields this season. Had such not been the case we should have indeed been in a bad way. Mr. Morse reports quite a few shortages in named varieties of Spencer Sweet Peas, but this has been anticipated. The California growers are a little anxious on account of the continued dry weather and are hoping that this condition will soon change, in order that the ground may be put in suitable condition for planting the

Surplus Salvia Seed

	Per oz.	Per lb.
10 lbs. Bonfire, or Clara Bedman	$2.25	$15.00
8 lbs. Grandiflora	2.25	15.00

The Grandiflora I consider one of the best of the seven varieties which I grow, being new it is not known It is an early bloomer, spikes about 15 inches long, very compact and large flowers, color similar to Boofire but habit of Splendens.

Order early as my stock is limited.

CARLMAN RIBSAM

31 Wall Street, Trenton, N. J.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Hansoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

Fresh Mushroom Spawn



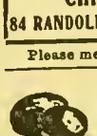
ENGLISH AND AMERICAN

Vaughan's Seed Store

CHICAGO 84 RANDOLPH STREET

NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark

American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

VAUGHAN'S

Fancy XXX Holly and Bouquet Green for Christmas

WRITE FOR PRICES

SPIRÆA—Just Arrived

	Per Doz.	Per 100
Queen Alexandra	$1.80	$11.50
Astilboides Floribunda	.85	6.00
Astilboides Superba	.90	6.50
Blondin	.85	6.00
Compacta Multiflora	.75	5.50
Gladstone	1.25	8.50
Japonica	.65	4.50

GLADIOLUS

FOR WINTER FORCING

	Per 100	Per 1000
Colvillei Alba (The Bride)	$0.65	$5.00
Colvillei Rubra	.55	5.00
Blushing Bride	.50	4.50
Peach Blossom	1.00	8.00

LILIUM GIGANTEUM

	Per 1000
6x8 (400 to case) in case lots	$36.00
7x9 (300 to case) in case lots	60.00
9x10 (200 to case) in case lots	95.00

LILIUM MULTIFLORUM

	Per 1000
6x8 (400 to case) in case lots	$26.00
7x9 (300 to case) in case lots	45.00
9x10 (200 to case) in case lots	75.00

LILIUM FORMOSUM

	Per 1000
10x11 (150 to case) in case lots	$100.00

LILY OF THE VALLEY

	Per 1000	Per 5000
London Market Brand	$14.00	$67.50
Premium Brand	12.00	57.50
International Brand	10.00	47.00

CHINESE LILIES

	Per 1000
Mammoth Size	$50.00
Selected 1st size	27.00

DUTCH BULBS

Write for Surplus.

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited.
Positively no Ads can be received after Wednesday, Dec. 7.

next seed crop, which begins along in January. It has been the driest November in California for some years.

Vaughan's Seed Store is distributing its annual trade price list of Christmas evergreens. This list, describing, as it does, very fully everything for the holiday trade is of much value to those dealers making a specialty of this line.

Frank C. Woodruff, of S. D. Woodruff & Sons of New York and Orange, Conn., was chosen at the last election to represent the Fourteenth Senatorial District of Connecticut. Mr. Woodruff was born October 27, 1866, at Orange, Conn., and still resides upon the Wodruff farm near Orange Center. He was educated in the district school and High School of Orange, and later at the Hillhouse High School of New Haven, where he graduated in 1886, and at the Sheffield Scientific School, Yale University, where he graduated in 1888. The seed business of S. D. Woodruff & Sons, which has increased so rapidly the past few years, was established in 1864 by Stiles D. Woodruff. In 1889 Frank C. Woodruff was admitted to the firm, as was his brother the Hon. Watson S. Woodruff, two years later. Mr. Woodruff has always taken most active interest in the welfare of the Republican party and his election to the Senate has given much gratification to his many friends.

Arthur T. Boddington has begun to receive his first consignments of English Roses, of which he has for many years made a specialty. Also being received into stock this week are some advance shipments of Gloxinia bulbs, which are certainly arriving in splendid condition.

Weeber & Don are this week making special offers of Lilium giganteum and Spiræas.

Peter Henderson & Co. have arranged their windows this week with decorative plants in a most attractive manner. This firm is also displaying in its store proper a large assortment of vegetables.

H. H. Berger & Co. are making shipments of Spiræas in the leading varieties.

Burnett Bros. still report bulb business as continuing quite actively. Particularly active have been the retail counter sales the past week.

Wm. Elliott & Sons are making their usual preparations for sales of Christmas stocks for the approaching holidays. In this line the firm has handled annually a goodly amount of bouquet green.

Ralph M. Ward & Co. report orders placed for cold storage Japan Lilies, for delivery during the season of 1911, as being particularly heavy this year.

J. M. Thorburn & Co. report retail sales for Lily of the Valley pips as active the past week.

"Buds" Seed Store is filling many orders for its special "Berglinden" strain of Cyclamen seed.

S. D. Woodruff & Sons feel that prices for Garden Pea seed will advance materially in the very near future for, while present stocks, considering the very short crop, may seem quite a little at this date, the least active call would reduce the same to a very low ebb indeed.

Kennedy & Hunter report an excellent business, and expect a good increase in the sales of decorative house plants for

A FEW SPECIALTIES IN BULBS

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Bicolor Victoria, Emperor, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Princeps	6.50
Poetious Ornatus, extra large double-nosed bulbs	7.50
Paper White Grandiflora, 13 ctm. and up	9.00
Orientalis (Chinese Sacred Lilies), casket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	**Thomas Moore**	8.00
La Reine	8.00	**Mon Tresor**	11.50
Prince of Austria	12.00	**Rose Luisante**	14.50
Rose Grisdelin	8.50	**Vermilion Brilliant**	18.50

Single Finest Mixed, all colors, for bedding 7.50

Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz 10.00

Salvator Rosa 14.00

Double Finest Mixed, all colors for bedding 8.50

HYACINTHS

Our stock of these will be found exceptionally fine.

	Per 1000
Fine Named, our selection, best sorts. (For list of varieties, see wholesale list) Per 100 $4.00	$35.00
Separate Colors, Single, pink, white and blue	20.00
Miniature, Chas. Dickens and Moreno	20.00
White Roman, selected bulbs, 13-15 ctm	25.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum multiflorum, case 300 bulbs, $13.50.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.
POT-GROWN LILACS, Marie Legraye and **Chas. X,** $9.00 per dozen.

For other bulb stock, see our complete wholesale bulb list, free on application.

F. R. Pierson Co.

TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

CHRISTMAS GREENS

Do Not Wait Till the Last Moment—Order Now

HOLLY WREATHS

	Per 100
Extra fine grade	$10.50
Michell's "Special" made up	12.00
Michell's "Extra Special"	15.00

MOSS

GREEN LUMP, extra fine. Per barrel sack, $1.25; 5 barrels for $6.00.
SHEET MOSS, extra fancy. $2.50 per barrel sack.
SPHAGNUM, clean and selected. Barrel bales, 60c.; 5 barrel bale, $1.75; $7.50 per 5 bales.

LAUREL WREATHING

MICHELL'S EXTRA HEAVY, special made up. Per 25 yard lots, 5c per yard; per 100 yard lots, 4½c. per yard; per 1000 yard lots, 4c. per yard.

LYCOPODIUM WREATHING

Extra fine quality, per 10 yards, 70c.; per 100 yards, $6.50.

LYCOPODIUM (Ground Pine)

Loose for making up. 100 lbs., $8.00.

MISTLETOE

Well berried and perfect foliage

¼ case	$3.00
½ case	5.50
1 case (16 cubic feet)	10.00

HOLLY

The very choicest, well berried. Will sell on sight. Packed in cases 2x4x2 or 16 cubic feet.

1 case, $5.00; 5 cases, $22.50; 10 cases, $42.50.



HENRY F. MICHELL CO., Now at 518 MARKET STREET PHILADELPHIA, PA.

Please mention the Exchange when writing.

Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for Present Delivery.

In case of 100 pips at $9.00 per 1000.
In case of 3000 pips at $8.00 per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N. Y.

Please mention the Exchange when writing.

LILIUM LONGIFLORUM GIGANTEUM

Mammoth Bulbs, 9 to 10 inches in circumference $9.00 per 100.

SPIRAEA Gladstone $9.00 per 100
Superba Compacta $6.00 per 100

WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N. Y.

Please mention the Exchange when writing.

BULBS

SELLING RAPIDLY

Although we ordered 25 per cent. more bulbs than were ever sold by us heretofore, the demand has been so heavy that our stock is rapidly decreasing. We still have a fair supply of all the leading kinds. Better buy your bulbs from the best stock rather than take chances at sacrifice prices. If you want success next Spring, place your order of bulbs with us this Fall.

DO IT NOW

They will be sold out a little later.

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

the holiday trade. Their location between the new Pennsylvania Station and Herald Square is certainly excellent for retail counter sales.

Philadelphia Seed Trade

It is difficult to extract any information from the seedsmen during this period, when they are building those alluring catalogs, rendered still more enticing by colored pictures and well executed halftones of vegetables and flowers. Before the bluebirds and robins appear again these catalogs will be distributed widely, and they will be eagerly read by every man and woman who possesses even a few square yards of ground available for garden purposes, and has the "Back to Eden" spirit within. Then there is the calm joy of selecting the vegetable and flower seeds, and later follows the planting of these seeds in hope and the pleasures of the anticipation of the crop. These catalogs are highly instructive now, and, as regards plain cultural directions, might be made more so.

Walter P. Stokes attended the meeting of the Wholesale Seedsmen's League, at the rooms of the Hardware Club, New York City, on Tuesday of this week. The Stokes' catalog for 1911 is already in the hands of the printer. Mr. Stokes will make an exhibit of poultry supplies and incubators at the Philadelphia Poultry, Pigeon and Pet Stock Association's Show, at the Second Regt. Armory, December 13-17. This will be one of the great poultry exhibitions of the year.

Herbert Johnson, Sr., of the Johnson Seed Co., is hard at work on his 1911 catalog. This company also will exhibit poultry supplies at the Philadelphia Poultry Show.

The H. F. Michell Co. has a very complete exhibit at the Baltimore Flower Show this week. This exhibit was staged by and is in charge of Philip Freud, whose skill and good taste in arrangement is well known in this city. Frederick Michell, Sr., and I. Rosnosky are also with the exhibit, attending to the booking of orders. The bulb supply of the Michell Co. is practically exhausted, and still the orders are coming in. Behold the fruits of judicious advertising. Seed orders are coming in early. The Michell Christmas greens circular is now being mailed. At the Andalusia trial grounds the labor of under-draining the land is completed, and the drainage is working perfectly. The new greenhouse and the two-story 40 x 120 ft. storage house at Andalusia are also finished.

In a window at Henry A. Dreer's store this week is a box of fine looking "Eastern grown" Apples, "the result of careful spraying." Around the box are shown spray pumps large and small, a great variety of spray nozzles, and spraying insecticides. The time has come when spraying the fruit trees several times each year in accordance with easily procured directions is absolutely necessary to the growing of good fruit, and the result will be better fruit than this country has ever before grown.

The Philadelphia Journal of Commerce, issue of Saturday, Nov. 19, devotes a column to the Henry F. Michell Co., giving the history in brief of that firm from a period of 21 years ago when it started in business in one small room at 1018 Market st. until the present year, when it occupies a large establishment at 518 Market st., with storage warehouses at 511 and 513 Ludlow st., and extensive seed gardens at Andalusia, Torresdale, Pa. The article pays the members of the firm a well merited tribute for the success they have achieved through hard work and close attention to every detail of their business.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

DALLAS, TEX.—The Robinson Seed & Plant Co. has filed a certificate of dissolution.

MARTIN, TEX.—F. M. Speicht, representing the American Seed Co., dropped dead here on November 4.

SHEBOYGAN, WIS.—The John H. Allan Seed Co. is planning to extend its plant. Plans have been drawn for a building 130 x 50 ft.

MERIDIAN, MISS.—The machine and seed houses of the Meridian Fertilizer Co. were destroyed by fire on October 30, the loss being over $100,000.

GRAND RAPIDS, MICH.—The store of the Jones Seed Co. was damaged by fire to the extent of $800 on November 2. The loss was covered by insurance.

MONTPELIER, VT.—To conserve the forests of the Green Mountain State, a bill which is expected to pass is in the Legislature. It places a tax of 25 cents on every Christmas tree shipped out of the State. Should the bill pass, the Vermont Christmas tree will disappear from the markets of Boston and New York. The Legislature already has placed a tax of 5 cents on Christmas trees.

AUGUSTA, GA.—The Alexander Seed Co. of this city made a conspicuous exhibit at the recent Georgia-Carolina fair, which attracted great attention. This company pays special attention to cotton seed and took the blue ribbon for the best ten stalks of cotton on exhibition, 100 ears of Shaw Corn, also exhibited by this firm, took a blue ribbon; it is said that this Corn yielded 141 bushels from an acre, grown without commercial fertilizer. Weevil-proof Corn, Watermelon seeds, Wheat, Oats, Cow Peas, and field, garden and flower seeds in quantity also formed a part of their exhibition.

Ridgewood, N. J.

Florist Barkham has been overrun with funeral work for the last ten days. Accidents, appendicitis victims, and the usual ravages of disease in this town, have made the florists' business a lucrative one for the past week. J. G. E.

Gorgeous Iris

FOR FALL PLANTING

GERMAN	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling.	25.00
PARKMANI. Uprights pure lemon; falls white veined purple.	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI	
Double	
GOLD BOUND. Pure white, one of the best.	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00
Single	
APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs

Floral Park, L. I., N. Y.

Dutch and French Bulbs

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

CREPE MYRTLE.—Mildew in this section (Los Angeles, Cal.) is again, for the second season, taking the buds and blooms and young growth of Crepe Myrtle, one of our most beautiful ornamental shrubs or small trees; it will be a misfortune if its usefulness is to be cut off by this disease. P. D. B.

Lily of the Valley—Cold Storage
FOR CHRISTMAS FLOWERING

Cold Storage Valley Pips will force naturally in about 21 days, in a temperature of 58 to 60 degrees or even less. Write or wire your orders at our expense.

Price: $1.75 per 100, $3.25 per 250, $6.50 per 500, $12.50 per 1000.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK

Please mention the Exchange when writing.



Chrysanthemum Chadwick Supreme

Originated by A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemum Chadwick Supreme

This Chrysanthemum, which has been pronounced one of the best ever brought out, is a sport of W. H. Chadwick, and originated, in 1908, with A. N. Pierson, Inc., Cromwell, Conn., by whom it has been grown for the past two years without a sign of reversion to the parent. In all attributes, except color, it is a Chadwick. The color is very similar to that of Maud Dean. As a late dark pink Chrysanthemum it finds no equal at the Pierson establishment. The variety has been thoroughly tested, 200 plants having been flowered this year, without the least variation from type. Our illustration is an advance one from the forthcoming Pierson catalog, through which the variety will be placed on the market next year, in small quantities only.

Report of American Pomological Society

The report of the thirty-first session of the American Pomological Society, held at St. Catharines, Ontario, at the invitation of the Provincial Fruit Growers' Association, is now being distributed to its members. This national society numbers in its membership about six hundred persons, having horticultural interests, either as amateurs or professional fruit growers.

The report, as usual, contains a large amount of information of the greatest value to present or future orchardists and gardeners. In its 350 odd pages, there are chapters on the following subjects: Orchard management; the latest on lime-sulphur sprays, being a symposium on this subject; a discussion of the adaptation of varieties to soils and climates by experts on soil and pomology; the Pecan and Chestnut, by pioneers in these industries; Gooseberry culture, with special relation to methods of growing the English varieties; Grape varieties of the East and the West; and a very important chapter on co-operation in the marketing of horticultural products.

In addition to these live topics, the volume contains a report of the General Fruit Committee, which is, in effect, a summary and statement of the developmental condition of fruit growing in different parts of the country. This gives the status of fruit-growing projects, the trend of the industry, in different sections, and the outlook. To the person considering the question of engaging in horticulture in some of its forms as a life work, this part of the volume will be of great service.

This society is non-sectional, non-partisan, working only for the advancement of the fruit-growing interests of the country at large. The president of the Society is L. A. Goodman, Kansas City, Missouri; secretary, John Craig, Ithaca, New York; treasurer, L. R. Taft, East Lansing, Michigan.

Onion Seed—Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., - Chillicothe, Ohio

Please mention the Exchange when writing.

10,000 Governor Herrick Violet Clumps

Splendid field-grown clumps, at $5.00 per 100; $40.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Violets

50,000 FALL ROOTED PLANTS

Lady Campbell, Swanley White and Princess of Wales, $1.00 per 100, by mail postpaid.

20,000 CANNAS, King Humbert, improved Mont Blanc and Wm. Saunders. Write for prices.

A. B. CAMPBELL, Cochranville, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $6.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $8.00 per 100; $45.00 per 1000.

Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.

PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.

DAISIES (Bellis) and **FORGET-ME-NOT,** the same as Pansies.

PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.

PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $5.00 per 300.

ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $5.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Pansy Plants

Giant Flowering, now ready, 60c. per 100, $2.50 per 1000.

ASPARAGUS Per 100

ASPARAGUS Sprengeri, 2¼-in. pots $2.00

Primroses

	Per 100
Chinese	$1.50
Obconica alba and rosea, 2¼-in. pots	1.50
Obconica Gigantea	2.00
VINCA var., from field	4.00

Cash, Please

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

STOCK CHRYSANTHEMUMS

THE BEST OF LAST YEAR'S NOVELTIES

In pot and bench plants, viz.:

Wells' Late Pink, W. Mease, Mrs. H. Stevens, R. F. Felton, Gladys Blackburn, Keith Luxford and others at 50 cents each

Our new list for 1911 will be ready soon. Send for copy.

SCOTT BROTHERS

Elmsford Nurseries, **ELMSFORD, N. Y.**

Please mention the Exchange when writing.

New England Trees and Plants

"New England Grown Means Quality"

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AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. 26th Annual Convention at St. Louis, Mo., 1911.

BENTON HARBOR, MICH.—The Slanker Nursery Co., with Frank Slanker of Bainbridge at the head, is a new concern here.

STURGEON BAY, WIS.—The Sturgeon Bay Orchard & Nursery Co. has purchased 160 acres of land at the city limits, which is to be planted to fruit.

Rhodotypos Kerrioides

Almost everyone knows the old Corchorus Japonica, or Kerria Japonica, as it is called today, and they know it favorably, too, because of its everblooming character. The shrub which we illustrate with this is closely related to the Kerria, and much resembles it in many respects, as its specific name indicates, and, like the Kerria, it comes to us from Japan.

The illustration fairly represents its habit of growth and flowering. The flowers are never numerous, although sufficient to make it attractive; they are distributed all over the bush, from the bottom to the top of its growth. In another respect it conforms to the character of the Kerria: it flowers to some extent, the whole season through. When photographed the bush was in the height of its display; it was late Spring at the time. The same bush, when seen in late September, still displayed some flowers, and it is its character to make some display the whole season through, and for this trait it can be recommended. The flowers are white and single, not double as the Kerria so commonly is; more like the single Kerria not so often seen; and then the latter shrubs are yellow, while the Rhodotypos is white. Because of there being no white-flowered Kerria, this Rhodotypos has had the name of White Kerria applied to it.

Succeeding the flowers are berries which become black when ripe, and when the bushes are full of them, as they often are, it adds to the interest attached to this shrub. And these seeds offer an easy way of getting up a stock of it, the seeds growing freely; and there is additionally the old way, cuttings, to which the shrub responds readily.

Winter Protection of Hydrangeas

Along the coast for some distance east of New York City, the Hydrangea Hortensia will live unprotected in mild Winters, if it has been growing on high ground where its wood has become well ripened before the incoming of Winter. Lower down the coast, along the Jersey stretch for instance, it is looked on as a hardy shrub. Even at Philadelphia, sixty miles from the sea, it often endures a Winter unhurt when the seasons favor the ripening of its shoots, and its position is free from extremes of heat, light and cold. Still, to be secure, it is best to protect the plants in some way. The florist who has a lot of plants he intends to force later on, could bury them up, root and branch, until such time as he wishes to pot them; they are entirely dormant then when brought into the warmth. But care must be taken that there is a way to get them out easily should the ground be frozen when they are wanted. Large plants are easily protected in the same way. They can be dug up, a pit deep enough to hold them prepared, the plant placed on its side and then entirely covered with soil. The branches should be tied together first, and then a thick piece of burlap should be placed over the tops before throwing in the sand or soil. This makes it easier to get the plant out with branches whole when Spring calls for the work to be done. Another good plan is to get a lot of forest leaves, fill them in well among the branches, then tie the branches together tightly. Place a box or barrel, with both ends out, over the plant, pushing leaves in hard, completely filling all spaces, and fitting a piece of burlap over the top of the box or barrel when the leaves have filled it. Should a box or barrel not be available, use a large bag, opening it at both ends, slipping it over the bush after the forest leaves have been filled in about it, then filling the bag full of leaves, and it will answer.

Fibrous Roots on Nut Trees

Everyone who has had to do with the planting of such nut trees as Hickories and Walnuts knows how hard it is to get them to survive a transplanting, because of the lack of fibrous roots in these trees. Unless they are quite small seedlings there is little chance of their living, unless with the severest kind of pruning. It is because of the difficulty of getting them to thrive under these circumstances that trees of them are not to be had in nurseries; this, and the fact that Hickories have been plentiful in woods. It is becoming very different of late. There is a strong demand springing up for all kinds for forestry purposes, besides for nuts of those in demand in a commercial way, so that it is getting of much importance to produce seedlings with a good bunch of fibrous roots.

There is good reason to believe that it may be within the means of many to procure such seedlings. Years ago, a practical horticultural writer, A. S. Fuller, pointed out that nuts sown in stony ground produced seedlings with far better roots than when in soil free from them. The point he made was that as the tap and other roots met with a stone it further divided the divisions, continuing this work as the point of various roots met other obstructions. The turning aside of the downward progress led to side roots from the main ones was his experience, as remembered by the writer; and this theory seems to be believed in by those who raise seedlings at the present time. It was published some time ago, in the National Nurseryman, I think, that the growers of Pecan nut trees set a line of wire mesh under the ground where seedlings were to be set, the meeting of the wire by the roots causing them to form a network of small roots, making after-transplanting of the seedlings a comparatively safe undertaking.

There seems to be no reason to doubt this at all, for every nurseryman who has both stony parts of his grounds and other parts free from all stones knows how many more small roots the trees have from the stony portion than those from on the other. It would be much better to have fibrous roots come naturally than to have them by cutting off the ends of the tap roots when resetting the seedlings.

Some planters still contend that tap roots should not be cut at all, referring to its being a natural product, but there seems to be no proof that a tree with the tap root cut is any worse off than those having them untouched. It is more than likely that the tap root results from a hunting for water, for it cannot be controverted that trees in quite wet ground make none but surface roots, and, as stated, the real tap rooters, as so considered, do not make them in stony ground.

Protecting Seedling Catalpas

Consequent upon the great demand for forest trees which has developed of late, the Catalpa speciosa has been grown to a great extent in the past few years, having proved a serviceable subject for the purpose, its wood being very valuable, and its rapid growth bringing it to maturity quickly. When seeds are sown in early Spring and covered but an inch deep almost every one may be expected to grow, and to make nice plants by late Fall. These seedlings usually grow so late in the season that ripening well does not take place, and, though this is a native tree, it is not uncommon to hear of them being injured in severe Winters. J. P. Brown, known as a "Catalpa expert" by many, because of the years he has spent in calling the attention of the world to this tree, declares that the best way is to dig up these one year seedlings on the approach of Winter and sort them in sizes, heeling them in somewhere under cover for the Winter. This ensures their safety besides having them ready for planting or for selling, so the plan can be commended.

The Paulownia is another tree the one year seedlings of which are sure to come to grief if unprotected in Winter. They are more susceptible to harm than the Catalpa, because of a more fleshy nature. They should be dug up without fail and well cared for over Winter.

When both the Catalpa and the Paulownia are reset in Spring, cut them back to the ground. It is a great help to them, causing a straight growth from the ground instead of a crooked, branched one, which would result if not so treated. This cutting back may be repeated the Spring following and even a third time if the plants have not as straight and tall shoots as one desires.

Chinese Cork Tree

There is always a place in plantings for a tree of an odd character, as it is the blending of many features that creates an interest in what we see. With this in mind, the Chinese Cork Tree, Phellodendron Regeliana, will be in demand when it is better known, it being a tree with corky bark, quite unlike any other tree with similar bark. In fact, there are very few trees with such bark hardy in our colder States, the Cork Elm being the most prominent of the older known kinds, the famous Cork Oak, Quercus Suber, not being hardy unless where frosts are but slight.

There is one Phellodendron, the Amurense, which does not have the corky bark of the other, hence care should be had to procure the one that has, the Regeliana.

Attention is called to this tree at this time, the Fall of the year, by the early change of its leaves from green to yellow, a feature which, when the tree is near many others of a different nature, is very pleasing, because the yellow color is taken on early, in advance of most of the others that may be near it.

The corkiness of the bark is very pronounced, and this, with what has been said of its other pleasing features, makes it a desirable tree for planters.

The trees of it in the vicinity of Philadelphia appear to have been propagated from a common source, as none are seed bearing. It may be that it is but a variety of the Amurense, and that this may account for both being alike in not bearing seeds. Still, no doubt it can be budded and grafted on the Amurense, so that there need be no scarcity of stock of it, as it, Amurense, seeds freely, and seeds germinate well.

Golden-Barked Linden

The Crimean Linden, Tilia dasystyla, is not as common in collections of trees as it should be, for beside its forming a well shaped tree it is a species much admired for its pretty yellow bark in the Winter season, a color its wood takes on at that season. It is singular that so many trees and shrubs change the color of their young shoots in Winter. Green seems the normal color of almost every kind of growing shoot, but in some kinds of trees and shrubs the shoots take on some other color; in the case of this Linden it is yellow.

There is another Linden, Tilia laciniata rubra, a form of the European one, platyphyllos, which has small, cut leaves, and which when Winter comes changes its green shoots to a bright red, when it is a striking object.

As it is the one year shoots that take on these colors, it follows that the greatest effect results from much pruning of the trees at the close of Winter, to induce a lot of shoots to form when growth commences, and this, of course, applies to all trees and shrubs of this nature.



Rhodotypos Kerrioides

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1, 2 and 3 year stock as follows:

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1 to 1½ ft. 3 branches up	$10.00	$85.00	$165.00
1½ to 2 ft. 4 branches up	15.00	125.00	210.00
2 to 3 ft. 6 branches up	20.00	175.00	325.00
3 to 4 ft. 10 to 15 branches up	30.00	250.00	450.00
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20,000 PRIMROSES

Obconica, Giants, the largest flowering, 3-in., $4.00 per 100.

Chinese, large-flowering fringed (Rupp's Best), 3-in., $4.00 per 100.

Kewensis, the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant; 3-in., $4.00 per 100; 2-in. $2.00 per 100.

10,000 CINERARIAS, Large-flowering, 3-in., $3.50 per 100; 2-in., $2.00 per 100, 300 for $5.00.

DRACAENA Indivisa, Field-grown, strong, for 4-in. pots, $4.00 per 100.

ASPARAGUS Sprengeri, 3-in., $3.00 per 100. These are well-grown plants and will please you. **Cash Please.**

J. W. MILLER, Shiremanstown, Pa.

Please mention the Exchange when writing.

Rooted Cuttings

PETUNIAS, Dreer's Superb. Double Fringed, the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.

AGERATUM, Stella Gurney. 50c. per 100, $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown; they are very fine and bushy, just loaded down with berries, $15.00 and $25.00	
DRACAENA Indivisa, field grown, 4 to 8 in. size.....$8.00, $20.00 and	25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Seasonable Plants

To make room for other stock, will offer the following items for two weeks:

FERNS, Boston, Pierson and Whitmani, 4, 5, 6, 8 and 10 inch pots, at 15c., 20c., 25c., 75c. and $1.00 each.

CYCLAMEN Giganteum, 4 and 5 inch, 15c. and 25c. each.

FLOWERING BEGONIAS, in pots, three colors in bloom, 4, 5 and 6 inch, 8c., 12c. and 20c. each.

ASPARAGUS Plumosus Nanus and **Sprengeri**, 2¼ and 3 inch pots, $2.00 and $4.00 per 100, respectively.

SILK OAKS, 4 inch pots, $15.00 per 100.

JERUSALEM CHERRIES, full of fruit, 4, 5 and 6 inch pots, 10c., 15c. and 25c. each; plants from field, $5.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

CALLAS

We have 150 extra strong pot-grown Calla Lilies, ready to transplant in 7 and 8-inch pots. We have already cut a few flowers from these plants. As we haven't the room to plant these out or pot them up, we will sell them, while they last, at the following bargain prices:

$2.50 per dozen; $20.00 per 100.
$27.50 will take the lot.

AUCUBAS

We have a fine lot of Aucuba Japonica Variegata, 2 feet and bushy, elegant shape, just freshly received from Holland. Our regular price on these is 50c. each, but we are going to sell a couple of hundred at the following prices:

$5.00 per dozen; $35.00 per 100.

We can ship green tubs to hold these plants at $2.50 per dozen.

KINDLY SEND CASH WITH ORDER. IF YOU DO NOT THINK THE STOCK IS RIGHT, SEND FOR A SAMPLE DOZEN OR SO.

THADDEUS N. YATES & CO.

7356 Germantown Avenue, PHILADELPHIA, PA.

Over 100 acres of Nursery Stock. If you want anything in Hardy Trees, Shrubs, Vines, etc., send us your list at once

Please mention the Exchange when writing.

Buffalo

Buffalo was well represented in the Thanksgiving Day trade. Every florist in the city was up and doing, and as there was no scarcity of flowers everyone certainly got his share of trade. It seems that the demand for Chrysanthemums is growing larger every year, and no matter how good or poor the flowers run the public is bound to have them at any price.

W. J. Palmer & Son of 304 Main st. were exceedingly busy getting out their orders, and they had a lot of them, this condition, of course, due to their very choice flowers and their artistic way of getting up work in general. Their staff certainly are deserving of credit for workmanship and prompt service. The firm has a very fine show of Cyclamens, Roman Hyacinths and Roses at both stores. At 522 Main st. also are to be found some fine specimens of Begonia Gloire de Lorraine, and Jerusalem Cherry plants, which make a very fine show along with the many other cut flowers.

It is pleasing to be able to state that the wife of T. A. Slattery, manager for Palmer & Son, is on the road to recovery from her attack of typhoid fever.

The Buffalo Florists' Bowling Club will howl at Eartet's alleys on Thursday evening of each week hereafter. All florists are invited to attend.

The regular meeting of the Buffalo Florists' Club will be held at the clubrooms, Kastings Hall, on Tuesday, Dec. 5, same time as usual. It is requested that as many members be present as possible.

L. H. Neubeck, Main and High sts., has three greenhouses well filled with a choice lot of plants, every variety in perfectly healthy condition; this is what appeals to the eye of a customer. The line embraces Cyclamens, Palms, Crotons, Orchids and Ferns galore. He also has his greenhouses at Williamsville well stocked.

C. J. Hewson, 1639 Abbot road, has a fine lot of Carnation plants, but owing to the dull days, no sunshine, he finds it very hard to be able to supply his customers with flowers. His Sweet Peas are about six inches in height, and looking very healthy, as also do his Violets, from which he expects quite a crop in the near future. He also has a nice lot of Bouvardia, Stevia and Asparagus Sprengeri.

S. A. Anderson, 440 Main st., had a very fine display for Thanksgiving. Besides an elaborate show of Chrysanthemums, Roses and other cut flowers, he had eight or ten different sorts of Apples, grown in the Oregon regions, the finest specimens ever seen in Buffalo.

The Lenox Flower Shop, 584 Main st., J. Rowland Cloudsley and Edw. H. Altman, proprietors, is a very neat shop, well worthy the name given it. The firm reports quite a trade in 'Mums, also in funeral work.

W. C. Stroh, 354 Main st., reports an excellent run of orders for Thanksgiving; he had to hustle to satisfy his many customers. One of the features of his trade is the putting up of 50c. and $1 boxes of assorted flowers, for which he meets a great demand.

Rachel M. Rebstock, 614 Main st., is one of the many in line in the flower kingdom. The quality of cut flowers she handles is unexcelled, and she carries a large stock. Orders for baskets, bouquets and funeral work keep her very busy.

J. Benson Stafford, 690 Main st., has a very artistic window decoration, consisting of some fine pot plants, and a lot of Japanese plants, miniature Japanese gardens, something new to the public. He also is making quite a display of Sicilian pottery. He is enlarging and making some very extensive alterations in his establishment.

H. Keitch & Son Co., 810 Main st., report a very fine Thanksgiving trade. They are showing a very choice lot of Palms, Ferns and cut flowers which they grow at their greenhouses, 39-59 Earl place.

The store of Wm. F. Kasting Co., 383-87 Ellicott st., is particularly busy these days, handling, as the company does, so much in the way of florists' supplies. In cut flowers they always have stock from the very best growers, the choicest in the line. They moved thousands of 'Mums for Thanksgiving, in fact more than in other years, and quantities of all seasonable varieties of cut flowers. They have just received a very fine lot of Ferns and Galax leaves, along with other greens for decorations. L. H. S.

Forcing Gladiolus

For Immediate Delivery

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch crop and take up but little room. The following are the best for this purpose:

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. **$3.00** per 100; **$27.50** per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up, **$16.00** per 1000.

Shakespeare. White and rose. **$4.75** per 100; **$45.00** per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, **$1.75** per 100; **$15.00** per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, **$1.25** per 100; **$12.00** per 1000. First size bulbs, **$1.25** per 100; **$10.00** per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. **$1.25** per 100; **$12.00** per 1000.

American Hybrids. A mixture of the choicest varieties of Gladioli in cultivation. **$1.00** per 100; **$9.00** per 1000.

Gladiolus, Colvillei and Nanus (type).

Plant some of these among your carnations; they will come in handy at any time.

Peach Blossom. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney rose. **85c.** per 100; **$7.50** per 1000.

Blushing Bride. Flowers are large, pure white, with delicate pink spot. Useful for early forcing. **65c.** per 100; **$5.00** per 1000.

The Bride (Colvillei alba). This lovely white miniature Gladiolus makes a useful cut flower for early Spring use; will stand forcing. **65c.** per 100; **$5.00** per 1000.

Ackermanii. Salmon-orange, with white blotches, edged scarlet; very pretty. **75c.** per 100; **$6.00** per 1000.

Delicatissima superba. Pure white, bright large carmine blotch. **$2.25** per 100; **$21.00** per 1000.

Fire King. Orange scarlet, purple blotch; purple bordered: a grand variety. $2.25 per 100; **$21.00** per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th Street NEW YORK CITY

Please mention the Exchange when writing.

SEASONABLE STOCK

KENTIA Belmoreana, 2½-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.

NEPHROLEPIS Scholzeli, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in. pot plants, $3.00 per 100, $25.00 per 1000.

PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.

BEGONIA Gloire de Lorraine, fine stock, nicely budded, just right for Christmas sales, 5-in. pots, 50c. each; 6-in. pots, 75c. each.

POINSETTIAS, in good shape for Christmas, 4-in. pots, single plants, 15c.; 6-in. pans, 5 plants, 60c. each.

ASPARAGUS SPRENGERI, strong 5-in. pot plants, 15c. each.

HELIOTROPE, Purple, in 5 good varieties, $3.00 per 100, $25.00 per 1000.

BOXWOOD, Bush Shape, for window-boxes or pot sale, very bright foliage and bushy, 10 to 12 inches high, $20.00 per 100; 12 to 15 inches high, $25.00 per 100. Full lines of sizes in both Pyramidal and Natural Bush Forms. Prices on application.

SPIRAEA, large forcing clumps, **Gladstone**, $9.00 per 100; **Queen Alexandra**, $12.00 per 100; **Florabunda**, $4.50 per 100; **Superba**, $6.00 per 100; **Blandin**, $6.00 per 100; **Washington**, $6.00 per 100; **Japonica**, at $4.00 per 100.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

SEASONABLE PLANTS

REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.

BOSTON FERNS, 2-in., 8c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.

PIERSONI FERNS, 4-in., 10c.

SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 5-in., 35c. each.

DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 5-in., 20c. each.

ASPARAGUS SPRENGERI, 5 to 10 branches, 2-in., 2c.; 3-in., 4c. each.

CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

HARDY ROSES

FOR FORCING—READY FOR IMMEDIATE DELIVERY

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Fall or late Winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists

HALF STANDARD BABY RAMBLERS

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (half standard). Deep pink, 40 cents each, $4.00 per doz., $30.00 per 100.
BABY RAMBLER (half standard). Crimson. 40 cts. each, $4.00 per doz., $30.00 per 100.
BABY CATHERINE SEIMETH (half standard). White. 40 cts. each, $4.00 per doz., $30.00 per 100.
BABY "STARS AND STRIPES" (half standard). White and red grafted on the same plant; most attractive. 45 cts. each, $4.50 per doz., $35.00 per 100.
PHYLLIS (half standard). Carmine pink. 45 cts. each, $4.50 per doz., $35.00 per 100.
TAUSENDSCHON (half standard). Soft pink. 40 cts. each, $4.00 per doz., $30.00 per 100.
MRS. CUTBUSH (half standard). Rose pink. 40 cts. each, $4.00 per doz., $30.00 per 100.

Hardy Perpetual Roses

We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75 cts. for 5 (of one variety), $13 per 100, $120 per 1,000.

Alfred Colomb. Carmine.
Anne de Diesbach. Bright carmine.
Ball of Snow. Pure white.
Baron de Bonstetten. Dark crimson shaded.
Baroness Rothschild. Satiny pink; extra.
Captain Christy Delicate flesh color.
Duke of Edinburgh. Bright Vermilion; very fine.
Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKI. The finest white in existence.
General Jacqueminot. Rich, velvety crimson.
General Washington. Beautiful red, shaded carmine.
John Hopper. Beatiful rose-pink.
La France. The finest light pink.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mrs. John Laing. Soft pink. Most desirable variety.
Paul Neyron. Beautiful dark pink.
Prince Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

Americen Grown. The Only Stock for Forcing.

Crimson Rambler

Large heavy plants, two years old, mossed and packed in bundles of 10.

	10	100
3 to 5 feet	$1 75	$15 00
4 to 6 feet	2 25	20 00
7 to 8 feet extra strong	4 00	35 00

Dorothy Perkins

Strong. 4 to 5 feet, $1.75 for 10, $15.00 per 100. Extra strong, 8 to 9 feet, $2.00 for 10, $18.00 per 100.

TAUSENDSCHON

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $1.75 for 10, $15.00 per 100.
Tausendschon (standard grown). Each 40 cts., doz. $4.00, 100 $35.00.

HIAWATHA. The flowers single, are of a deep intense crimson shade with the petals shading to a pure white base. Flowers very freely, and is undoubtedly one of the best of the single Roses for forcing. Strong two-year $2.25 for 10, $20.00 per 100. Extra strong, two-year, field-grown, 6 to 8 feet, $2.75 for 10, $25.00 per 100.

WEDDING BELLS. The color is white with the upper half of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. $1.75 for 10, $15.00 per 100.

Lady Gay

Flowers delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, $2.00 for 10, $18.00 per 100.

Tree Baby Ramblers

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say it retains all its characteristics of free-blooming qualities, etc. Each 40 cts., doz. $4.00, 100 $35.00.
BABY DOROTHY. Standard grown. 65 cts. each, $6.50 per 12, $50.00 per 100.

BABY RAMBLER ROSES

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. $1.50 for 10, $14.00 per 100.
BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. $2.00 for 10, $18.00 per 100.

Baby Rambler (Mme. Norbert Levavasseur)

Strong field-grown plants, $1.50 for 10, $14.00 per 100.
Mrs. Cutbush, very fine, rose pink, one of the best Baby Ramblers. $1.75 for 10, $16.00 per 100.
Boskoop Baby. Color beautiful shade of China rose, very free flowering and easily forced. $3.25 for 10, $30.00 per 100.

A fine selection of English grown Hybrid Teas on hand. Write for prices.

ARTHUR T. BODDINGTON

342 West 14th St., SEEDSMAN, NEW YORK

Please mention the Exchange when writing.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(130) **Trouble with Roses.**—I have had in charge a house of Killarney and Richmond Roses since August 10, which were planted in July, young grafted plants. The side benches are made of cement 4" deep with ½" gravel for drainage. The center benches are about 9" deep with 10" stone and brick for drainage. These Roses are not doing so well as the side ones. I pay them proper attention, and have never neglected them. Could the following be sufficient to cause this short weak growth? On Sept. 4 and 5 the temperature dropped from 90° day to below 40° at night. The smoks pipes were disconnected and I could not put on the fire. I examined the drainage and found Pine needles or pine leaves laid over it. This must have had a bad affect on the roots.—M. R., Mass.

—It would be difficult to say what was the trouble from the information furnished. Pine needles in quantity at the roots would not be considered good for Roses, although I do not think a light sprinkling over the gravel would be injurious. I cannot make out why the plants on the side benches grew faster than the ones on the middle benches, unless the conditions were such that those on the side got more water or did not dry out so fast on account of having a more solid or a less porous bottom. Of course, it is bad when the temperature drops from 90° F. to below 40°, but Roses planted in July ought to have made a large growth before September 4. You are at a disadvantage in not having been on the place when the Roses were planted, and it would pay you (if you think the soil is not suitable) to get in fresh loam and replant this stock or wait until Spring and start afresh with new stock. —EBER HOLMES.

(131) **Insect Eating Carnation Plants.**—B., N. Y.

—The insect eating Carnation plants is Fuller's Rose beetle, known scientifically as Aramigus Fulleri. It is a general feeder and not known to be at all partial to Carnations. We have a long list of the plants upon which it ordinarily feeds. It is not confined either to the greenhouse or to this country, being nearly cosmopolitan and feeding in tropical climates, such as portions of southern California, Mexico and Hawaii, out of doors. As to remedies:

"The beetles are so long-lived and hardy that it is difficult, if not impossible, to destroy them by the use of ordinary insecticides, even hydrocyanic acid gas being practically powerless against them used at a strength that would not kill the plants affected. The remedy which has found most favor is to search for and destroy the beetles, and a good time for this work is during the months of November and December, when the beetles may often be found congregated upon the plants. By persistently following this method the insect has been practically exterminated in many greenhouses which it formerly infested. By killing the beetles the number of larvæ will, of course, be lessened. Plants showing severe injury should be pulled out and the soil about them searched for the larvæ; or the larvæ may be killed by means of the bisulphide of carbon applied to the soil about the roots of the affected plants. It should be inserted by means of a metal syringe, a few drops here and there about the roots being sufficient to destroy the insects. Kerosene emulsion applied in a similar manner and in larger quantity will also kill larvæ, and the use of tobacco waste in liberal quantities about the roots of the plants is advisable, as it acts both as an insecticide and a fertilizer. We may also take advantage of the wingless condition of this beetle by surrounding the trunks of Rose bushes and of the different species of ornamental plants attacked by it with cotton bands, such as are in use against canker-worms and similar species. The bands should be applied before the beetles have found their way to the plants or after jarring the beetles from them."

In my own experience, I should add that, since the above was written, I have learned that moisture will kill the insects in the larval condition. In other words, if the flower pots or benches are kept damp, the insects are apt to be destroyed. The beetles can be destroyed by arsenate of lead applied either in the form of spray or in the powder form wwhich is now on sale.

F. H. CHITTENDEN
In Charge Truck Crop and Stored Product Insect Investigations, Bureau of Entomology, U. S. Dept. of Agriculture, Washington, D. C.

(132) **Lily of the Valley Damping Off.**—What was the trouble with my Valley? I got cold storage pips of a first-class house and placed the flats filled with earth—pips close together, about an inch out of the ground, under a greenhouse bench, where the temperature was about 48° at night and 68° at noon, and where Carnations and Sweet Peas did well. The Valley came on in fine shape, good erect leaf stalks; and the stalks of bloom appeared, but instead of developing they seemed to damp off. No bottom heat.—W. D. H., Mass.

—Your Valley pips must have been all right, or they would have never made a promising start. It was nothing else than the low temperature that chilled the flower-stalks and they finally came to a halt, and decay followed. Although cold storage pips they require a temperature of 70° at night and cannot be grown in a Carnation house temperature.—W. H. S.

(133) **Plant for Identification.**—Please give the correct name of the herewith enclosed berries.—F. K., N. Y.

—The plant submitted for identification is Ilex verticillata, commonly called Black Alder, or Winterberry.

(134) **White Flies on Plants.**—What formula can I use to kill white flies and not injure my plants? One house has Violets, Mignonette, Lettuce and Snapdragon, another Carnations and Greens; a third is of mixed plants, Begonias, Ferns, Cactus, Pandanus, etc.—L. G., Mass.

—It is suggested that Aphine be tried on the plants which are attacked with white flies. Use according to directions on package.

Greenhouse Building

BEVERLY FARMS, MASS.—Two large greenhouses are being built on the estate of Mrs. Leiter.

JAMESTOWN, N. D.—The Wheeler Floral Co. has broken ground for the erection of an additional large greenhouse.

PHILADELPHIA, PA.—Carl Dittrich has taken out a permit for the erection of three greenhouses at the n. w. corner of Mulberry and Devereaux sts.

WATERBURY, CONN.—The Lord & Burnham Co. of New York have the contract for the new greenhouses for A. A. Dallas, on Meriden rd.

Two Splendid New Roses

WITH the introduction of every new rose the questions arise in every grower's mind: Shall I buy? Will this rose be a success? Will it supersede any of the roses now grown? Is it an improvement over what we now have?

After critically examining the rose from all sides as a commercial flower, color, fragrance, form, size, stem and foliage; then as to its growing habits—whether a free bloomer, whether a good strong healthy grower, whether a winter bloomer or simply a fall and spring rose—and being satisfied on these points and feeling thoroughly convinced that it is a better rose than existing kinds, it is not hard to determine the quantity to buy; the size of each grower's place will decide that.

All of the foregoing points we claim for Melody and Double Killarney and feel no grower can afford to be without these two splendid introductions; roses that are bound to be money-makers to all buyers, especially the first year buyers.

Melody, the new Irish rose, will fill a long-felt want for a good commercial yellow, one of the most beautiful yellows ever put on the market.

With its rich, glossy green, red-tinged foliage and its beautiful well-formed yellow bud, it has met with wonderful success wherever we have sold the cut blooms during the last two months. It has made such good impressions all along the line that we have and are booking many fine orders.

Melody grows much better on own roots than grafted.

Melody, own root, $6.00 per dozen; $30.00 per 100; $70.00 per 250; $250.00 per 1000. Grafted $5.00 extra per 100. 2½-inch pots, delivery during March. Orders filled strictly in rotation. Orders for cut blooms in quantity on short notice, $10.00, $12.00 and $15.00 per 100.



DOUBLE KILLARNEY

Killarney needs no introduction to the rose growers of this country.

Double Killarney has all its good points and in addition is a stronger grower, has far more petals and larger flowers.

We have already booked some very large orders. In placing these orders our customers (the most successful growers in the country) felt they were making no mistake, as it would most certainly supercede Killarney.

Double Killarney, own root, $4.00 per dozen; $20.00 per 100; $40.00 per 250; $150.00 per 1000. For grafted, $10.00 extra per hundred. 2½-inch pots, delivery during March. Orders filled strictly in rotation.

We extend to all prospective buyers a cordial invitation to go out to Sharon Hill and see these two sterling roses growing.



MELODY

P M QUALITY

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-20 Ludlow St.	109 West 28th St.	1212 New York Ave.



Chrysanthemum Thanksgiving Queen. Elmer D. Smith & Co., Adrian, Mich., Originators

Chrysanthemum Thanksgiving Queen

In form an improved and magnified Silver Wedding, being larger and more double. Color creamy white and maturing Nov. 20, just right for Thanksgiving use. Only four feet high from early June planting; foliage medium in size; stems so strong as to scarcely require tying; blooms, 9 in. in diameter. Best bud September 1 to 10. C. S. A. certificate.

Exhibition of the Ontario Hort. Exhibition Assoc.

The seventh annual exhibition of the Ontario Horticultural Exhibition Association, which opened November 15, at St. Lawrence Arena, Toronto, proved a greater success than any of its predecessors. In spite of the fact that the Apple crop is the poorest known for many years, the show of Apples was better than we had ever seen before. The vegetables were also of a high quality and were well shown. The exhibit of honey was not up to last year's standard, but still was very good. The decoration of the Arena was simple and effective, but not of the highest class, the committee being handicapped by the late arrival of material, a carload of evergreens being expected by Friday night but not arriving until late on Monday morning. Many of the Apple exhibits were of a fine decorative character, the bright reds and greens being contrasted very effectively.

The cut 'Mums were very good, the Dale Estate of Brampton being the largest exhibitors and taking the most first prizes. Closely following were Mr. Jennings, also of Brampton, and Sir H. M. Pellatt, T. M. Wittie, gdr., who put up some fine cut flowers. 'Mum plants in pots were a rather weak feature, there being but few of them shown.

In specimen plants of Ferns Sir H. M. Pellatt showed some very fine plants; he also exhibited some extra fine Begonias, Callas, Orchids, etc. E. Collins put up some fine Palms, Lorraine Begonias and table plants, etc. The decorative groups of 'Mums were very effective, and were staged by Sir H. M. Pellatt, E. Collins, and Jay & Son, who came out in the order named: Small groups of Single and Pompon 'Mums were good as shown by E. Collins, Sir H. M. Pellatt and T. Manton. These small varieties are coming much into favor here, and as they are easily grown should be very popular another year. The groups of Orchids were hardly up to our former standard. T. Manton took first in all the Orchid sections, with Sir H. M. Pellatt closely following. In the Carnation classes the show was not up to the usual standard, but the season has been rather against them and there is no doubt they will greatly improve, as nearly all the plants look well and are growing finely. The Dale Estate took most of the first prizes, with J. H. Dunlop closely following. Mr. Dunlop also put up several fine bunches not for competition.

The decorated tables were entered by well known society ladies, and were quite a drawing feature of the show. Society took quite an interest in the stagings and it looks as if this may be made an important part of our next show.

The floral designs were good, and the competition very keen. A. S. Jennings & Co. secured the first prize, and their manager, Fred Adams, being a new exhibitor received many congratulations. The baskets were also good, A. Frost being easily first. The bridal arrangements were hardly up to show grade. There were four panel decorations, all fairly good but generally not finished well.

The judge for plants and cut 'Mums was John Chambers, and his decisions were generally very satisfactory. S. A. Anderson of Buffalo judged the designs, and gave the reasons for his decisions in his usual able manner.

THOS. MANTON.

Chrysanthemums at Shaw's Gardens, St. Louis

Though immediately following the Fall flower show of the St. Louis Horticultural Society, at which a large display of prize-winners was brought out by a liberal premium list, the tented exhibit of plants at the Missouri Botanical Garden attracted very nearly 20,000 visitors, who, as usual, found difficulty in believing that the two thousand and more specimen plants that they saw had been grown at the garden, and that the familiar personal names that they bore were the names of the plants and not of exhibitors.

The well lighted hundred-foot tent was a bower of well-contrasted massed color, and gave an opportunity for the study of 486 named varieties, of which 19 had not before been shown at the Garden. Nearly 40 large bush-grown specimens were included in the display, and a specimen grafted plant bearing many varieties. The Garden Chrysanthemum grower, Max Schiller, well merited the many compliments that were paid to his skill in preparing for the display.

Describing the Colors of Flowers

The exact terminology of color is perhaps one of the most difficult points encountered in writing descriptive articles. Binde-Kunst quotes some pertinent remarks on this problem from Gertrude Iekyll's book "Wald und Garten" (Forest and Garden), with reference to the description of flowers. The inexact, not to say careless, use of language often found in such cases is surprising. In certain instances, poetic circumlocutions originally (an attempt to explain the unknown by the known) many of these comparisons have now become so familiar that they are accepted as current coin, and the inexactness inherent in them may not matter much if applied to objects with whose color we are familiar. But grave errors of conception may result if they are applied to the new or unknown. For instance, if the poet speaks of golden Buttercups, we know that he means brilliant yellow, and we allow the comparison as a poetic license, as an appeal to our artistic sense which is not meant to be taken literally. But as a description of color it is inexact. Gold is not brilliant yellow, but more nearly sand color, and the writer does not recall a single flower which even resembles a golden color. Golden tints may be observed in the pollen-covered stamens of many flowers, in some Autumn foliage and in straw or dry grass, but then there is no brilliant yellow present. Yet brilliant yellow flowers are continually catalogued by growers as "golden yellow."

The same inexactness is found with other colors. A brilliant blue flower, for instance, is called amethyst blue, although this stone is more purplish than blue.

As a remedy for such looseness of style the writer suggests that we "select for the description of the colors of flowers substances that are not subject to change, e.g., sulphur, that hardly ever varies in color; lemon and canary yellow are useful designations for different shades of yellow; Gentian-blue brings to mind a very decided color, turquoise blue is also good, as the stone has few variations and is always the same type of color. Similarly, Forget-me-not blue is a rather vague but very popular term. There is much room for improvement in the color description of flowers and writers on that subject might well get together and agree upon a terminology that is both exact and expressive.

Heredity Among Orchids

It is interesting to note the qualities which some Orchids transmit, almost regularly, to their descendants. Cattleya aurea, with its yellow petals and sepals, imparts a much darker shade of purple to its descendants, even if crossed with a light purple Cattleya. A German hybridizer, commenting on this fact in a recent issue of Moeller's, gives some interesting experiences of his own. At the present moment he has in flower Cattleya×Freya, the result of a cross of the second generation. He first crossed C. aurea with the dark purple C. Bowringeana, from which came C. Cattleya×Mantini, which was much darker in color than C. Bowringeana; in order to deepen this color further he crossed this Cattleya×Mantini again with C. aurea, and the resulting Cattleya×Freya is, in fact, much darker than Cattleya×Mantini. It would be interesting to ascertain why a yellow Cattleya, if crossed with a purple one, deepens so greatly in the descendant the color of the other parent. In the popular crossings with Brassavola Digbyana, the dark lip present in the other fruit-bearer is nearly always absent, though there may be traces of it in some cases. Still it is yet to be explained why Brassavola crosses lose so much of the original color. There are so many other riddles to solve in Orchid hybridization, to which Mendel's laws of heredity cannot be applied, that there might be occasion for some scientist to evolve a special exceptional law for Orchids alone.

LÆLIO-CATTLEYA ACIS (L. tenebrosa×C. Meudeli), originated by P. Wolter of Magdeburg, Germany, is a hybrid whose flowers exceed in size those of L. grandis, L. purpurata and C. gigas. The petals are a light pink, fading into white toward the edge; the lip, which is somewhat curled, is purplish in tint, with blood-red veinings. The flower is held erect on stiff, strong stems; for this reason as well as because of its delicate coloring it is especially adapted for cut flower purposes.—Moeller's.



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New Haven, Conn.

Theo. Wirth, superintendent of parks of the city of Minneapolis, Minn., is a guest of Gustav X. Amrhyn of this city, superintendent of parks. Mr. Wirth will remain here several days, looking over the parks of New Haven. He was formerly superintendent of parks of Hartford, Conn., and is regarded as a park authority.

We had a good attendance at the regular semi-monthly meeting of the New Haven Horticultural Society. All members present spoke in favor of our first annual Dahlia show, which will be held some time in September, 1911. This will be our first attempt at a Dahlia show, and the outlook is bright for a large and successful one. F. H. W.

Detroit

Thanksgiving Day brought the expected increase in business in full measure and several of the downtown stores had to engage outside delivery service to get the orders to their destination in time.

Chrysanthemums are always the favorite flower on this holiday, but their predominance as a favorite was hardly ever so marked as it was this year; especially frequent was the call for Pompons as table decorations.

Roses and Carnations were in good supply, quantity as well as quality, and cleaned up fairly well. Advanced prices were not justified, though, and Am. Beauty Roses, which, in consequence of the high wholesale price, had to be sold at $10 and $12 per dozen, dragged along considerably. Violets also did not sell as well as in former years.

Wm. B. Brown reports a large increase in sales as compared with last year.

J. F. Sullivan who, in the past, has most truthfully complained, is much elated over business conditions as they concern himself. With the same cautious analysis which formerly was the foundation of his complaints, he now finds reasons to rejoice over a large increase in his sales during the last two months. The cause of this prosperity he finds in the absence of floaters on his street, the large increase in population, and last, but assuredly not least, the uptodate appearance of his store since the renovation has been completed.

FRANK DANZER.

JAMESTOWN, N. D.—A. L. Woodbury has sold his interest in the Wheeler Floral Co. to E. A. Williams. There will be no change in the style of the concern. Ground has been broken for the erection of a new greenhouse.

GET READY FOR CHRISTMAS

I offer my immense stock of Fruited, Flowering and Decorative Plants at the most reasonable prices.

POINSETTIAS, very fine, 4 plants in a 6-in. pan, $12 a doz.
6 plants in a 7-in. pan, $15 a doz.
6 plants in an 8-in. pan, $18 a doz.
7 and 8 plants in a 9-in. pan, $24 a doz.
10 plants in a 10-in. pan, $3 each pan.
12 plants in a 12-in. pan, $4 each pan.
Extra large pans, $5.00 each.

AZALEAS, Vervaeneana and Simon Mardner, 6-in. 50c. and 75c. each, $6.00 and $9.00 a doz.
6½-in., $1 each; $12.00 a doz.
7-in., $1.50 and $2.00 each; $18.00 and $24.00 a doz.
8 and 9-in., $3.00, $4.00 and $5.00 each
Pyramids and **Fans.** (Prices on application.)
Dentesche Perle, 6, 6½ and 7-in. pots, $1.50 to $3 each.
Mme. Petrick, 6, 5½ and 6-in. pots, $6, $9 and $12 a doz.
Firefly, in bloom for Christmas, 4, 4½ and 5-in. pots, $4, $6 and $6 a doz.; larger $1, $1.26, $1.50 and $2 each. Very fine.

BEGONIA LORRAINE, very fine, in 7-in pots, $12, $18 and $24 a doz.

CAMELLIA Chandleri (pink) and **Campbell** (red), loaded with flowering buds, very fine for Christmas, 6½ and 6-in. pots, $1.26 and $1.50 each; 6 and 6½-in. pots, larger, $1.75 and $2 each.

ERICA Fragrans, very fine for Christmas, 6½-in. pots, $9 a doz.; 6-in., $12 a doz.; 7-in. $18 a doz.; 8-in., $24 and $36 a doz. Specimens, $4, $5 and $6 each.

ERICA Regerminans, 4½ and 5-in. pots, in bloom now and for Christmas, $5 and $6 a doz.

ARDISIA Crenulata, well berried, 5 and 6½-in. pots, $1, $1.25 and $1.50 each.

JERUSALEM CHERRIES, red berried, 5½-in., $4 a doz.; 6-in. $6 and $9 a doz.

CYCLAMEN, 5-in., $4 a doz.; 5½-in., $5 a doz.; 6-in., $6 a doz.

ORANGES, Citrus Sinensis, fruited, very fine, 6-in. pots, 75c. and $1 each; 7, 8 and 9-in., also 7-in. pans, $1.50, $2, $3, $4 and $5 each.

CARNATIONS, 7-in. pans, $9 a doz.; 8-in. pans, $12 a doz.

DRACAENA Terminalis, 5-in. pots, $8 and $7 a doz.
Massangeana, 7-in. pots, $1.25 and $1.50 each; 8-in. pots, $2 each.
Lindeni, 6½-in. pots, $1.25 and $1.50 each.
Fragrans, 6½-in. pots, $5 a doz.

CROTONS, 4-in. pots, $2 a doz.; 4½-in. pots, $3 a doz.

PANDANUS VEITCHII, 6 and 6½-in. pots, $1.25 each; 6½ and 7-in., $1.50 each; 8-in. $2 each.

LIGUSTRUM Aureum, Golden Privet, 4½-in. pots, $3 a doz.

ARAUCARIA Excelsa, 4½ and 5-in. pots, $6 a doz.; 5½ and 6-in., $9 a doz.; 6-in., larger, $12 a doz.; 7-in., $2 each; 8-in., $3 each.
ARAUCARIA Glauca, 6-in., $1.25 and $1.50 each; 6½ and 7-in., $2 and $2.50 each
Compacta, 6½ and 6-in., $1 each.

BOXWOODS, 15c., 20c., 25c. and 30c. each.
Pyramids, $3 to $10 a pair.
Standards, $2, $3 and $4 a pair. .....

CIBOTIUM Scheidei, 6-in., $2.50 each; 6½-in., $3 each; 7-in. $3.50 each.

FERNS, Boston, 7 and 8-in. pots, 75c. and $1 each.
Scottii, 6-in. pots, $6 and $9 a doz.; 7 and 8-in., $1 and $1.50 each.
Scholzeli, 6-in., $6 a doz; 6½-in., $9 a doz.; 7-in. $12 a doz; larger, $1.50 each.
Whitmani and **Piersoni,** 75c., $1 and $1.50 each.

FICUS Elastica, fine plants, 6½ and 7-in., $9 a doz.

PHOENIX Roebelenii, 4½-in., $9 a doz.; 5½-in., $12 a doz.; 6-in., $1.50 each.

KENTIA Belmoreana and **Forsteriana,** from 75c. to $5 each.

RHAPIS Humilis, $1.50 to $5 each.

COCOS Weddelinna, large, from 2 to 4 ft. high, $1.25 to $6 each.

Cash with Order, Please. All Goods must travel at the purchaser's risk.

ANTON SCHULTHEIS

316 Nineteenth St., COLLEGE POINT, L. I., New York

Please mention the Exchange when writing.

Seasonable Plants

CUPHEA, 2 in., 1½c., R. C., 75c. per 100.
HELIOTROPE, 2 in., 1½c., R. C., $1.00 per 100.
DOUBLE PETUNIAS and **WHITE PARIS DAISIES,** $1.00 per 100.
RUBBERS, fine stock, 5-in., 25c.
ASPARAGUS Sprengeri, 2-in., $1.50 per 100.
PRIMULA Obconica, Alba, Lilac, Rubra, Hybrida, and **Rosea,** 2-in. pots, $1.60 per 100; **Carminea,** 2-in. pots, $1.50 per 100.
DOUBLE HOLLYHOCKS, field-grown; white, pink, yellow and red, $22.60 per 1000.
SINOLE HOLLYHOCKS, mixed colors, $20.00 per 1000.
DIGITALIS GLOXINIAEFLORA, and **COREOPSIS LANCEOLATA GRANDIFLORA,** all from field, $1.00 per 100.
PARIS DAISY, Giant Yellow, 2-in., $2.00 per 100. **Rooted Cuttings,** $1.00 per 100..
FEVERFEW, Gem, 2-inch., $1.50 per 100.
SALVIA, Bonfire, Zurich and **Splendens,** 2-in., $1.50 per 100.
AGERATUM, Pauline, Inimitable, 2-in., $1.60 per 100.
ALTERNANTHERA, 3 kinds, R. C., $4.50 per 1,000; **Brilliantissima,** $5.00 per 1,000.
ROSE GERANIUMS, R. C., $1.25 per 100.

Cash with order.

BYER BROTHERS, Chambersburg, Pa.

Please mention the Exchange when writing.

A Few Good Things You Want

HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Bochner, Poitevine,** R. C., $1.60 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 6-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England

and 258 Broadway, Room 721, New York City

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ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT

CHRISTMAS STOCK

SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. **THE FLORISTS' EXCHANGE**

P. O. Box 1697, N. Y. CITY

Cost is measured by the results obtained and in no other way

New Bedford, Mass.

All the florists here report a good business for Thanksgiving. Flowers were none too plentiful. Retail prices were very good, which was only right, as the wholesale prices were rather high. Carnations retailed at 60c. and 75c. per doz.; Roses at $2 per doz.; 'Mums at $2.50 per doz.; Violets, quite scarce, $2 per 100. Paperwhites retailed at 60c. per doz.; Snapdragons at 75c. per dozen. There was not much call for potted plants.

The day after Thanksgiving the "400" of this city held their annual ball, or Thanksgiving Assembly as they call it. There were quite a few debutantes on this occasion and there was quite a good demand for flowers.

E. H. Chamberlain on Friday last, for the annual ball, disposed of over 1000 Roses, 2600 Violets, 700 'Mums, and a few Orchids. All the uptown florists had good orders for this occasion.

There was a fairly good call for wreaths on Thanksgiving, of Laurel, Spruce, Hemlock, etc.; they sold at from 35c. upward. The weather for delivery was ideal, the day being almost as warm as a Summer day.

Peter Murray reports the past season as a good one for 'Mums; he cut over 5000 blooms at his Fairhaven place. His new house of Carnations is looking fine.

S. S. Peckham, Fairhaven, Mass., brought some nice 'Mums to Wm. P. Pierce for Thanksgiving.

R. H. Woodhouse and E. Y. Pierce had some nice 'Mums for the holiday.

HORTICO.

Kalamazoo, Mich.

Had the weather been more favorable a better Thanksgiving trade could be reported but, with rain all the forenoon, much transient business must have been missed. This, however, was offset to a certain extent by increased prices and, judged by a money volume, no doubt the business transacted equalled that of previous years.

'Mums were nearly gone by and Carnations scarce and high-priced, therefore these standbys were missing, and Roses hardly filled the gap thus made. Pot plants were on hand in ample supplies, flowering ones being in most demand at moderate prices. These plants, with small orders for cut flowers for the table, make up the usual demand at this season and, while single orders of a dollar or two are not much in themselves, the large number given make up a very decent sum.

Prices ranged higher than for some years: Roses, $1 per doz. up; Carnations, 50c. to 75c.; Violets, 25c. per bunch; 'Mums, $1.50 to $3 per doz.; Sweet Peas, 25c. per doz.; Valley, 60c. per doz. Wholesale trade was good and much more could have been disposed of if obtainable: Roses were $4 to $6 and upward; Carnations were mostly quoted at $4; Violets and Sweet Peas at $1; 'Mums, $1 to $2 per doz.

The weather is fairly good for this season and increased crops are expected, especially in Carnations and Violets. Business generally is reviving somewhat and acquiring seasonable activity; present indications are for good holiday trade. Christmas novelties are not being shown to any extent and, I presume, most of the local florists find all they want in the handling of their own stock at that time and, indeed, this is usually about all they can attend to satisfactorily. Funeral work has been brisk of late owing to several very bad accidents on the R. R. crossings, one of which killed six persons and make quite a demand for designs and cut flowers. S. B.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Syracuse, N. Y.

Thanksgiving Trade

Thanksgiving trade this year has beaten all records; this is the verdict of every florist. For a change, the sun showed itself and the day was an ideal one, which was a material help.

Chrysanthemums had the call, and everybody was cleaned out. There was a noticeable increase in the sale of good flowers, such as Orchids, Gardenias, Valley and American Beauty Roses; Carnations also sold well. Owing to the long continued dull weather Roses and Carnations were not up to the average grade, and large out-of-town orders had to be placed, as stock was short. There was a very slight advance in prices, hence the large sales. The following prices, generally, prevailed; 'Mums, $1.50 to $4; American Beauty Rosea, $3 to $9; other Roses, $1 to $2; Carnations, 75c. to $1; Violets, $2; Orchids, $9 to $12; Lilies, $3; Valley, $1; Gardenias, $9 to $12.

The sale of 'Mums this year baa been larger than ever, and few, if any, have gone to waste. There was a noticeable increase in the sale of good pot plants too. Why some of the florists do not grow more Pompon varieties is a mystery; they are so easy to grow and I am sure they would sell well.

Meneilly & Son had one of the finest blocks of Lorraine Begonias I have seen in a long time. They are always successful with Violets, and this year is no exception.

Bard & Davis have their place in fine shape, everything in the pink of condition. I fortunately found Mr. Bard—Bob, as he is known by all his friends—at the place, and he kindly showed me through, explaining in his forcible way the good and bad points of different plants and flowers. The Carnation houses are a sight, with their buds and blooms. The crop for Christmas will be very heavy. Lady Bountiful, Apple Blossom, Enchantress and Wanoka are the sorts most largely grown. The Roses are doing fine. Richmond is the most largely grown, and has proved a money maker for the firm. The 'Mums were nearly finished but there were some remarkably fine blooms left for Thanksgiving. The largest block of Tuberoses I have seen for some years was fine, and a good sale is found for them. Sweet Peas are quite a feature here; large quantities are cut daily, of fine quality. Those looking for pointers on the heating problem would do well to visit this place, for the plan in vogue here is out of the common run and would prove a money saver to many. There are six houses, 150 ft. by 26 ft., heated by steam, no overhead pipes, and the boiler is on a level with the houses, with a Bundy trap on top. The whole system works like a charm. There is saving in digging a large pit, and the labor in handling the coal and ashes is obviated, which means so much to many a small beginner.

Bannister Bros. have cleaned out their 'Mums and planted the houses with Sweet Peas. Their large stock of Boston Ferns is in fine shape and they have 30,000 small Ferns for the Christmas trade, all looking good.

A flower store will be opened on Dec. 1 in the New Onondaga Hotel, Warren st., by a joint stock company. W. E. Day, for the past six years in charge of P. R. Quinlan's Salina st. store, is the president and general manager. The stock in the company is held by Utica and Syracuse parties. Mr. Day's many friends wish him success in his new venture. H. Y.

DENVER, COL.—E. W. Merritt has sold the N. S. Kaime place and greenhouse to Fred C. Schumann, Ohio's famous Violet specialist, who supplies the florists of Cincinnati, Columbus, Cleveland and other big cities with Violets by the million. He is coming to Denver to supply the local florists.

Dreer's Holiday Offer of Decorative Plants

PALMS—DREER'S STANDARD QUALITY AND VALUE

Areca Lutescens

Splendid Plants of Good Value.

6-in. pots, 3 plants in a pot, 30 to 36 in. high..$1.00 each
7-in. pots, 3 plants in a pot, 36 in. high.... 2.50 each

Cocos Weddeliana

Splendid Plants of Good Color.

3-in. pots, 8 to 10 in. high..$2.00 per doz., $15.00 per 100
5-in. pots, 18 to 24 in. high.....$0.75 each
7-in. pots, 36 to 42 in. high..... 2.50 each
8-in. pots, 36 in. high, heavy..... 5.00 each

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
7-in. pots, 6 to 7 leaves, 34 to 36 in. high	2.50
8-in. tubs, 6 to 7 leaves, 42 to 44 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 in. high	5.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
7-in. pots, 6 to 7 leaves, 38 to 40 in. high	2.50
8-in. tubs 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 to 50 in. high	5.00
9-in. tubs, 6 to 7 leaves, 60 to 66 in. high	8.00
10-in. tubs, 6 to 7 leaves, 5½ to 6 ft. high	10.00



Cocos Weddeliana

Kentia Forsteriana

(Made-Up Plants)

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high heavy	20.00
14-in. tubs, 3 plants in a tub, 7 ft. high	25.00

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 in. high	$2.50
9-in. tubs, 42 to 46 in. high	3.00
10-in. tubs, 46 to 48 in. high	4.00
11-in. tubs, 48 to 52 in. high	5.00
11-in. tubs, 52 to 54 in. high	6.00
18-in. tubs, specimen plants, 8-ft. spread	40.00

Phoenix Roebelenii

	Each
4-in. pots nicely characterized	$0.60
5-in. pots, nicely characterized	1.25
6-in. pots, 1½ ft. high, 2 ft. spread	2.00
8-in. tubs, 2 ft. high, 2½ ft. spread	5.00
12-in. tubs, 2½ ft. high, 3 ft. spread	12.50
14-in. tubs, 3 ft. high, 4½ ft. spread	35.00
15-in. tubs, 3 ft. high, 6 ft. spread	50.00

DREER'S FINE FERNS

Nephrolepis Bostoniensis

6-in. pots, ...50c. each

Nephrolepis Scottii

6-in. pots .....$0.50 each
8-in. pans ..... 1.00 each
10-in pans ..... 2.00 each

Nephrolepis Scholzeli

6-in. pots .....$0.50 each
10-in. pots ..... 2.00 each

Nephrolepis Whitmani

6-in. pots .....$0.50 each

Adiantum Farleyense

In prime condition for use in hampers, made-up work, etc.

4-in. pots, splendid stock.....$5.00 per doz.
5-in. pots, splendid stock..... 9.00 per doz.
6-in. pots, splendid stock.....12.00 per doz.

Asplenium Nidus Avis

Bird's Nest Fern

This Fern is out of the usual and will appeal to your customers for small jardinieres, and will also work in well with made-up work.

3-in. pots .....30c. each
4-in. pots ..... 40c. each

Assorted Ferns for Dishes

2¼-in. pots .....$3.50 per 100; $30.00 per 1000
3-in. pots .....$6.00 per 100

Miscellaneous Decorative Stock

Bush-form Boxwood

10 to 12 in. high .....$20.00 per 100
12 to 14 in. high ..... 30.00 per 100
16 to 18 in. high ..... 50.00 per 100
18 to 20 in. high ..... 75.00 per 100
22 to 24 in. high ..... 1.00 each
26 to 28 in. high ..... 2.00 each
30 to 32 in. high ..... 3.00 each

Ball-shaped Boxwood

14 to 16 in. diameter .....$1.50 each
18 to 20 in. diameter ..... 4.00 each

Pyramid-shaped Boxwood

3 ft. high, 14 in. diameter at base.....$2.50 each
3½ ft. high, 16 in. diameter at base..... 3.00 each
4 ft. high, 18 in. diameter at base..... 4.00 each
4½ ft. high, 20 in. diameter at base..... 5.00 each
5 ft. high, 20 to 22 in. diameter..... 6.00 each

Standard Boxwood

	Each
Stems 16 to 18 in. high, crowns 12 in. diam.	$2.00
Stems 20 to 22 in. high, crowns 14 to 15 in. diam.	3.00
Stems 20 to 24 in. high, crowns 16 to 18 in. diam.	4.00
Stems 20 to 24 in. high, crowns 30 to 32 in. diam.	10.00

Pyramid Buxus Latifolia

4 to 4½ ft. high, 18 to 20 in. at base.....$4.00 each

Araucaria Excelsa

5-in. pots, 12 to 15 in. high, 3 tiers.....$0.60 each
6-in. pots, 14 to 16 in. high, 3 to 4 tiers.... .75 each
6-in. pots, 16 to 20 in. high, 4 tiers..... 1.00 each
7-in. pots, 20 to 24 in. high, 4 to 5 tiers.... 1.25 each

Araucaria Excelsa Glauca

5-in. pots, 8 to 10 in. high, 2 tiers.....$0.75 each

Asparagus Plumosus Nanus

For dish work, 2¼-in. pots, 60c. per doz.; $4.00 per 100
For dish work, 3 in. pots, 85c. per doz.; $6.00 per 100

Aucuba Japonica

Bushy plants, 12 in. high.....$0.30 each
Bushy plants, 18 in. high..... .40 each
Bushy plants, 24 in. high..... .60 each
Specimens, 3 ft. high, bushy..... 3.00 each

Silver Leaved Euonimus

Splendid for baskets and hampers.

6-in. pots, 18 to 24 in. high.....$0.75 each

Pandanus Veitchii

Nicely colored plants in 6-in. pots.....$1.00 each

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

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Chicago: Margaret T. Flint, room 614, No. 60 Wabash Avenue; tel. Randolph 2000. Office hours: 9.30 to 12.

Boston: Robert Cameron, Cambridge, Mass.

Philadelphia: Appointments can be made or letters addressed to Jos. H. Sperry, our representative, care of Keystone Hotel, Market st., near 16th, for Mondays and Tuesdays.

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The address label indicates the date when subscription expires and is our only receipt therefor.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Florists' Exchange Numbers Wanted

The publishers of The Florists' Exchange will greatly appreciate receipt of issues of Feb. 29 and March 21, 1908; also of June 12, July 24, Aug. 14, Sept. 18 and Dec. 11, 1909, from any of their readers who may have copies to spare.

Chrysanthemum Society of America

Recent work of the examining committee is announced as follows:

New York, Nov. 26.—Variety Chadwick Supreme; pink sport from variety W. H. Chadwick; 79 points, commercial scale. Exhibited by A. N. Pierson, Inc., Cromwell, Conn. At Chicago, Nov. 26.—Same variety; 87 points, commercial scale. At Cincinnati, O.—Same variety; 82 points, commercial scale.

CHAS. W. JOHNSON, Sec.

Truly Rural

In a complimentary letter to William Webster, a noted landscape gardener, and probably the oldest in the northern section of the State of New York, Herbert Wadsworth of Avon, N. Y., whose grounds some eighteen years ago were planned by Mr. Webster, says: "The bare field artificially afforested is become the paramount paradox of artificiality by becoming the quintesssence of natural development." Advertisement writers would do well to "sit up and take notice."

American Association of Nurserymen

The thirty-sixth annual convention of this Association will be held June 14-16, 1911, in St. Louis, Mo. The headquarters of the convention will be the Southern Hotel, a hostelry with a record which we have every reason to believe will demonstrate the wisdom of the choice made by the committee charged with the responsibility of making the selection. We are assured that this hotel was built especially for convention business, with every convenience for meetings and committees, with the largest lobby in the world, and 400 rooms for guests, each room having an outside exposure. If Summer weather prevails at the time no better place could be found for comfort.

The secretary is already laying plans for a vigorous canvass for new members, and is hopeful that not less than one to two hundred will be obtained. The work done at the last meeting of the Association in Denver was such as should challenge the attention of every man claiming to be a nurseryman. The report of that meeting, containing papers and discussions, is worth several times the cost of membership, to say nothing of other valuable privileges secured by such membership. It is not too early to write the secretary for information regarding membership. His address is 204 Granite Bldg., Rochester, N. Y.

JOHN HALL, Sec.

Thanksgiving Day Trade

Almost without exception our news letters of this week's issue describe this holiday as having created great calls for the products of the florist; in fact, in many instances, the demand was so great as to cause surprise in the trade. The general prosperity prevalent among all classes is undoubtedly responsible in most part for the very agreeable condition of business, and if for a few years to come flowers are still used as heavily on Thanksgiving Day as was the case in 1910, the custom will become fixed, and growers and dealers alike will be able to look forward with certainty to one more red letter day in the twelve months.

Asparagus Hatcheri

Our illustration of Asparagus Hatcheri, in contrast with that of Asparagus plumosus nanus, practically tells the story. From the picture it will be seen that Asparagus Hatcheri is the more vigorous grower of the two, while the lasting quality of its cut fronds and strings is exceptional. Its dainty foliage makes it greatly in demand for all kinds of work where something choice in greenery is required. Our illustration is an advance one from the forthcoming catalog of A. N. Pierson, Inc., Cromwell, Conn.



A. plumosus nanus **A. Hatcheri**

The Old and the New.

National Flower Show, Boston, Spring 1911

Preliminary Schedule

By special call of Frank R. Pierson, chairman of the National Flower Show Committee, a meeting was held on Friday, November 25, in Horticultural Hall, Boston, of the American Rose Society's schedule committee. President W. H. Elliott, of the A. R. S., acting under a resolution passed at the Rochester meeting of the Society, accepting the sum of $1730 offered by the National Flower Show Committee as premiums for the Rose exhibits at the Spring show, and empowering him to appoint a schedule committee for the Rose section, appointed Messrs. F. R. Pierson, H. O. May, Eber Holmes, Adolph Farenwald, Benjamin Hammond, E. G. Hill, Alexander Montgomery, Robert Simpson, and Wallace R. Pierson, as the committee. F. R. Pierson, however, found it was impossible for him to serve. The committee adjourned until ten o'clock on Saturday, November 26, at which time Wallace R. Pierson, in the absence of President Elliott, called the committee to order, and Vice-president Farenwald being present he was elected to head the committee and the committee was so organized. After some discussion, it was moved and the motion was carried that the sum of $1500 be expended by the American Rose Society in premiums for Rose exhibits, this being in addition to the sum of $730 already listed for potted plants, and including the $1000 allotted by the National Flower Show Committee for cut flowers. The committee prepared the following schedule, each item of which was taken up separately:

Schedule of the American Rose Society for Roses

Cut Blooms

		1st	2nd	3rd
	For the best Display of cut blooms, not to occupy more than 200 sq. ft. of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered, and decorative green of any kind, including plants, permitted	$250	$150	$100
50	American Beauty		50	30
50	Killarney		30	20
50	White Killarney		30	20
50	Richmond		30	20
50	My Maryland		30	20
50	Mrs. Jardine		30	20
50	Kaiserin Augusta Victoria		30	20
50	La Detroit		30	20
50	Mrs. Aaron Ward		30	20
50	Cardinal, or Rhea Reid		30	20
50	Mme. Abel Chatenay or Mrs. Potter Palmer		30	20
50	Any other disseminated variety		30	20

		1st	2nd
25	American Beauty	$25	$15
25	Killarney	10	5
25	White Killarney	10	5
25	Richmond	10	5
25	My Maryland	10	5
25	Bride	10	5
25	Bridesmaid	10	5
25	Golden Gate, or Uncle John	10	5
25	Sunrise, or Sunset	10	5
25	Bon Silene	10	5
25	Any other disseminated variety	10	5

Hybrid Perpetuals

Stems Not Less than 12 In. Open to All

	1st	2nd
Largest and best collection, not less than six varieties or less than six of a kind	$20	$10

Stems Not Less than 12 In. Open to Private Gardeners and Amateurs Only

	1st	2nd
For the largest and best collection, not less than six varieties, or less than three of each kind	$10	$5

Plants

	1st	2nd
Best display in pots or tubs, any or all classes to occupy not less than 300 sq. ft., arranged for effect	$200	$150
Best 12 climbing or rambling, 6 or more varieties	60	40
Best 6 climbing or rambling, 3 or more varieties	30	20
Best Crimson Rambler, specimen plant	10	5
Best Lady Gay, specimen plant	10	5
Best Dorothy Perkins, specimen plant	10	5
Best Tausendschon, specimen plant	10	5
Best Debutante, specimen plant	10	5
Best Hiawatha, specimen plant	10	5
Best climbing, any other variety, specimen	10	5
Best Baby Rambler, Crimson, 6 plants	10	5
Best Baby Rambler, Pink, 6 plants	10	5
Best Baby Rambler, White, 6 plants	10	5
Best collection of Hybrid Perpetuals, not less than 15 plants, not less than 6 varieties	25	15
Best collection of standard, or tree, 12 or more plants, 6 or more varieties	25	15

Special Retailers' Prize

For the best and most artistic arrangement of 100 cut blooms; any variety or varieties may be used, and with such accessories as the exhibitor may desire	$100	$50

Class 43 is as yet an open class in which special prizes will be offered and mentioned hereafter.

All Roses exhibited, excepting in Division B, Class 1 which covers the best display, to occupy not more than 200 sq. ft., must be in position by Saturday, March 25, 1911, not later than 2 p.m. The exhibition of the Roses will continue Saturday, Sunday and Monday. Exhibits in Class 1 must be staged on Friday, March 31, not later than 1 p.m. Tuesday, Wednesday and Thursday of the show dates will be devoted mainly to Carnations.

BENJAMIN HAMMOND, Secretary A. R. S.

Finding Water by the Divining Rod

The divining rod as a means of discovering hidden waters is coming into favor again, and a scientific investigation of its virtues is being carried on, especially in the German colonies. The tests include not only the location, but also the depth and direction of subterranean streams and the strength with which the rod reacts; furthermore, the location of subterranean caverns and of metals, and the action of the rod in passing over telegraph and similar wires. In Germany there are several men who enjoy a reputation as being most successful with the divining rod, and whose services are much in demand for discovering hidden springs. It is a curious fact that only a very few persons are able to get any reaction from the rod; the precise nature of this power has not yet been explained, though it is assumed that it depends to some extent on the electricity stored up to a great or less extent in the body. The best results are obtained with the rod after a dry spell, when there is but little dampness on the surface of the earth.—Der Handelsgærtner.



OUR READERS' VIEWS

The Vermorel Injector

Editor The Florists' Exchange:

In your issue of October 8, 1910, you were good enough to make reference to the Vermorel Injector which is used for injecting into the earth bi-sulphide of carbon or other poisonous products for the destruction of underground insects, such as ants, grubs, phylloxera, etc.

Later, you ask your readers if any of them can tell you where this instrument can be procured in the United States.

I beg to inform you that I am represented in California by the H. C. Shaw Co. at Stockton, to whom I have already delivered several of these instruments. I am giving you this information in case it should interest your readers.

V. VERMOREL.

Villefranche, France.

[We would suggest to M. Vermorel that it might prove good business for him to interest some of our Eastern seedsmen in this tool if he feels fully satisfied as to its efficacy.—ED.]

Dahlias in England

Editor The Florists' Exchange:

I am glad to see my old and much-respected friend, G. W. Kerr, in your issue of Nov. 12, kindly taking me to task for an omission with regard to my notes on Dahlias in England. One at all events likes to know that his notes are read! I can assure Mr. Kerr that the old firm with which he served have been well to the front in the exhibiting of the Peony-flowered Dahlias and, indeed, they continued to exhibit these, to me, very beautiful and decorative varieties longer into Autumn than any other firm. Messrs. Bakers of Codsall, near Wolverhampton, were strongly represented at the National Dahlia Society's show on Sept. 21 and 22, and though I missed seeing their recently certificated novelty, to which Mr. Kerr draws attention, I made the following notes of their stand on that occasion, which he may like to scan. Here they are: "Messrs. Bakers filled a large staging with Peony-flowered and other Decorative Dahlias, among which we would name as very bright and really meritorious, the following: Red Indian, Seedling No. 136 (rich yellow), Romolo Piazzani, yellow, suffused salmon; Viscountess Newport, rich orange-red, grand; Sunset, crimson, with golden tips; Germania, bright crimson; Mrs. R. Copeland, salmon blush; Codsall Gem, a charming yellow; Connie Humphries, white with yellow center; and Lady Muriel Paget, pure white with gold center. (Large gold medal.)"

London, Eng. J. HARRISON DICK.

Effect of Hydrocyanic Acid Gas on Tomatoes

Editor The Florists' Exchange:

While as yet we have no glass connected with the city parks here, I find The Florists' Exchange necessary to me to keep posted in the advance in greenhouse work, new varieties, etc. Your nursery department and the advertisements of nursery stock are also of value. I wish to give my experience in the use of hydrocyanic acid gas for the destruction of white fly in a house of Tomatoes under glass. The proportions used were about one-quarter strength of proportions used for San José scale in a tent for Peach trees, and the result was evidently an injury either to the pollen or to the stigmas of the flowers on the Tomatoes. After this fumigation, a blank of unset flowers occurred, although hand-pollenating was used exclusively, and the crop was less than could otherwise be expected. I would advise with Tomatoes, from this one experience, that the gas be used before the plants flower or after the fruit is set. I might ask the question, since I have only one trial to judge from, "Does hydrocyanic acid gas in quantity small enough to leave the tenderest foliage apparently uninjured on the Tomato, destroy the vitality of the pollen or so injure the stigma that it becomes unreceptive?"—F. W. B., Pa.

Paper as a Protection for Orchids

It occasionally happens in the Orchid house that fine flowers are ruined in a single night by the humidity precipitated upon them. Lælias and Cattleyas are especially sensitive and liable to show rusty spots the next morning, which practically spoils them for commercial purposes. A good way to protect valuable specimens is to wrap the single flowers, or the entire clusters, in very thin paper, which is to be removed the next morning. The moisture then falls upon the paper, and the flowers under it remain unspotted.—Moeller's.



Hyb. Chrysanthemum A. H. Welham

Novelties at the Shrewsbury Show

The novelties shown were not numerous, but among good things were:

CHRYSANTHEMUM HYBRIDUM A. WELHAM, a perpetual flowering variety, which requires protection in the Winter only. Flowers double, 3 in. in diam.; color sulphur white. It is propagated from cuttings and treated like a border Carnation, planting out in the Spring.

PHLOX ELIZABETH CAMPBELL, the loveliest pink perennial form ever shown. This novelty has since received an award from the R. H. S. T. A. W., Eng.



New Geum, Mrs. J. Bradshaw

New Geum, Mrs. Bradshaw

The new Geum, Mrs. Bradshaw, has been mentioned before, but I am sending a print of the flowers grown in my own garden. The originals were over 2 in. across; color, deep scarlet, carried on 18 in. to 24 in. stems. The plant is a perpetual bloomer and, as the raiser resides near me, I have had ample opportunity of seeing it in bulk. The plant comes true from seed, but no seed is on offer at present, the demand for plants being too great. It calls for plenty of water when cut.—T. A. W., Eng.

Society of American Florists

Registration of Canna

Public notice is hereby given that The Conard & Jones Co., West Grove, Pa., offer for registration the Canna described below. Any person objecting to the registration, or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description: Green foliage; 3 to 4 ft.; large flowers of rich, Orient red, the center a lighter shade dappled carmine. Individual flowers and clusters are very large. Name, "Olympic."

H. B. DORNER, Sec.

November 24, 1910.

Xmas Comes But Once a Year

One of the best advertising opportunities offers itself as Xmas and the New Year draw near as, in addition to the great demand for plants and cut flowers and their accessories and decorative stock, it marks the closing of the year and demonstrates the necessity of preparation for the next. Hence, to dealers in quite a number of lines the time is just right for strong leading announcements.

OUR

CHRISTMAS NUMBER

will be issued

NEXT SATURDAY

(No advertisements can be received after Wednesday)

AND WILL AFFORD AN UNEXCELLED

Advertising Opportunity

For All Enterprising Business Men

As usual, we will present attractive reading matter to make the occasion worth. The leading story will be

THE CONQUEST OF SCIENCE

Written expressly for this issue by Emily Louise Taplin. Naturally, it has to do with the florist's avocation. It will be found one of the most interesting ever written by the author, who is herself an expert in the art and is descended from a line of well-known florists.

Try a Large Bold Advt.

in this issue. As it pays others it certainly should pay you.

Advertisements for Xmas Number should be forwarded us early; Dec. 7 will be the very latest date we can accept copy for this particular number.

How much space shall we reserve for you?

Appreciating your many favors during the past years, we are,

Yours very respectfully,

Pubrs. THE FLORISTS' EXCHANGE

Nos. 2 to 8 Duane St., N. Y. City.

Sweet Pea Novelties in 1910

By G. W. Kerr

In a recent number of an English Horticultural weekly was published a preliminary list of Sweet Pea novelties for 1911, to be distributed by various growers, and totaling in all fifty-eight; but when all the growers have completed their lists, this total will, I expect, reach one hundred. Try to imagine it—one hundred new and distinct (?) varieties to be disseminated in one season, and so swell our already enormous list of varieties. The question naturally arises: How many will be found distinct; or, even if distinct, superior to or as good as many of those now in cultivation? However, time will tell, and I hope to see and take careful notes of most of them during the coming year.

Of the immense number introduced during the past season many were very disappointing, while a large number were synonymous, or practically so, with existing varieties; although, on the other hand, we have to thank the growers who were fortunate in being able to give us some very choice and decided acquisitions. Therefore, in spite of some drawbacks we are still going forward, and the dainty and fragrant Sweet Pea is all the time becoming more popular.

Among the finest of this year's novelties was Mrs. Hugh Dickson. It is a true Spencer in every respect bar one, and that is that it is a prolific seeder. The color is light coral-pink on cream or buff ground, or creamy *pale* coral-pink. The flowers are of the largest size, and generally produced in fours on long stiff stems; some stems I measured in the early part of the season were seventeen inches in length. It comes into flower very early, beating all other Spencers this year by over a week. In color effect it might be described as a dark Mrs. Routzahn, but is quite distinct, the variety named being more of an apricot self.

The re-selected stock of Mrs. Routzahn appears to be quite fixed—which goes to show what can be done when a little patience and care are exercised—therefore we may soon expect to see this most exquisitely beautiful variety grown by all.

Martha Washington is another variety that is sure to please. When the first buds began to color I thought we were going to have yet another name for that much *re-named* variety Elsie Herbert, but when the flowers were fully open I was agreeably surprised to find a quite distinct and most desirable new variety. It is a true and extra large-flowered Spencer. In the bud stage it might be taken for a Dainty Spencer—Elsie Herbert—but when the flower is fully expanded the standard is heavily picoteed rose, which gradually suffuses the entire standard as the flower ages. The wings are also picoteed rose, and the ground is pure white; a variety that is certain to become popular on account of its own merit and the name it bears.

George Washington turned out very disappointing, and requires further selection.

Gladys French is a very pretty grandiflora in the way of Helen Pierce, but very much lighter. The ground color is white, penciled and marbled blue. It appears to be quite fixed.



Sweet Pea Senator Spencer

Doris Burt is a fine crimson self, the color being intermediate with King Edward Spencer and George Stark. The flower is, however, smaller than King Edward Spencer; stock quite fixed.

George Stark, the silver medal variety of the N. S. P. Society of England in 1908, is a glowing crimson-scarlet, wings a trifle lighter in color, and although slightly waved is not of best Spencer form; stock quite fixed. This variety will be completely superseded in the course of a year or two, there being at least two or three "new things" on the way that are much finer both in color, size and formation of flower.

Senator Spencer has turned out a good one, though the color does not appeal to all. The flowers are very large, and waved in best Spencer form; the color might be described as bluish-white, streaked chocolate. Quite distinct and comes true.

I took notes on two stocks of Gladys Burt during the past season. Both were lovely. One lot was practically synonymous with Mrs. Hugh Dickson, while the other was a rather lighter Miriam Beaver. The latter variety, Miriam Beaver, I consider the most beautiful Sweet Pea in cultivation, and it might be called an Audrey Crier—most fickle of all varieties—on lemon or cream ground, the general color effect being lighter and showing the lemon shading throughout the flower, which in conjunction with pale pink creates a most charming color harmony. The variety sported rather badly in some places, though I inspected stocks that ran quite 90 per cent. true.

We have now a glorious Henry Eckford Spencer in Nancy Perkins, and the stock I saw was quite fixed and true. The color is an exquisite pale orange, but it burns badly unless shaded.

Maroon Paradise is lighter than Othello, the standard being maroon with trace of purple, wings purplish-maroon. Not quite fixed.

Purple Paradise was similar to Captain of the Blues Spencer (Waverly Spencer) but a badly mixed stock.

Lord Althorp, although said to be very similar to Helen Lewis, turned out quite distinct, though not such a desirable variety. The standard is bright orange, wings rose; a decided bicolor. A medium size flower, and no improvement.

Paradise Blue Flake I do not care for; the flower is small, color white, flaked and suffused pale blue, slightly waved.

Miss L. E. King is a truly magnificent variety and might be briefly described as a white flaked Helen Lewis, the standard being bright orange with small white flakes, wings rose, flaked white. The flowers are large and extra fine, but, alas! the stock is badly mixed.

Lizette Lumley might be termed a Jessie Cuthbertson Spencer, though, if anything, the color is rather brighter; it has good Spencer form and size, and is practically true.

A. B. Bantock is a good and true Spencer and thoroughly fixed, color salmon-pink on cream ground. In the younger stage the flowers have a distinct picotee edging of amber. A. B. Bantock was a seedling I selected five years ago from a large batch of Spencer seedlings I was then growing; I marked it in the seedling row as being practically Audrey Crier, but it turned out the following season to be quite distinct and came perfectly true, with the exception of a few vines which gave flowers of a pleasing buff color, and this buff sport has now been named Earl of Plymouth.

Mistress Lumley turned out to be only another name for Helen Lewis.

Buttercup was the same as Primrose Spencer.

Glitters is a slightly waved Evelyn Byatt, but not so good as Ruby and Edna Unwin.



Sweet Pea Miriam Beaver



Sweet Pea Arthur Unwin—Two Sprays



Sweet Pea Mrs. Hugh Dickson



Sweet Pea Dainty Spencer



Sweet Pea Earl of Plymouth

Liberty is a small-flowered King Edward Spencer and not wanted with that fine variety.

Snowflake appears to be similar to White Spencer but is not yet fixed.

W. T. Hutchins appears to have done well everywhere, and is most highly spoken of in England as an exhibition variety. The color might be called an art shade, being pale lemon flushed or suffused with light salmon-pink, and shows a distinct zone of rather darker coloring round the flower. The form is best Spencer, and stock is fixed.

Marie Corelli is another variety that did well and flowered freely throughout the season, the flowers being very large, generally produced in fours and beautifully waved; the color is bright rose, wings a trifle darker, but might be termed a rose self.

Paradise Beauty and Queenie both turned out to be synonymous with Queen Victoria Spencer.

Giant Cream Waved is synonymous with Primrose Spencer.

Frank Unwin and Masterpiece were, as I saw them, synonymous with Asta Ohn.

Helio Paradise is practically synonymous with The Marquis, though it may run a very little lighter in color.

Zebra turned out a most unattractive flower, the ground color being a dirty white, striped and flaked lilac-rose; though of Spencer form, the flower is poor and thin; stock fixed.

Mauve Paradise resembles a Lady Nina Balfour Spencer, but is poor, and stock badly mixed.

Winsome is a small waved variety, color rosy-lilac, deeper towards the center of flower; stock badly mixed.

Charles Hemus is a clear shining maroon, not so dark as Othello, wings a little lighter than standard. A distinct and good variety and of best Spencer form; stock very true.

Douglas Unwin turned out to be synonymous with Othello Spencer.

The best stock of Elsie Herbert I have seen is of American origin, and called Dainty Spencer; it comes practically true. The color is pure white with a picotee edging of rose, the flowers being very large and generally produced in fours. Other names for the variety introduced in the past season are: Distinction, E. J. Deal, Winifred Deal and Picotee; and, with the exception of the last named, all were terribly mixed.

Sweet Lavender is a distinct and most attractive flower of the grandiflora type, and seems to be quite fixed. The ground color is white, on which is lightly penciled pale lavender markings.

A few years ago, while located in England, I secured a fine scarlet sport from Coccinea, and the year following one vine in the scarlet threw a most distinct and quite new color in Sweet Peas which appealed to me very much on account of its distinctiveness; this season the firm with which I was then associated introduced it under the name of G. W. Kerr. My interest in this variety may therefore be imagined, also my daily pilgrimages to the row, on the watch for the first flower to appear; and when this auspicious event took place, my disappointment, when I realized that it appeared to be synonymous with a variety sent out in 1909, named Mrs. R. W. Pitt, may also be imagined. I have also seen another variety which will turn out to be the same. The color is a rich coral-pink with a suspicion of orange suffusion, and under artificial light it is grand. The flower is of medium size and only slightly waved.

Ruby is an improved St. George; the color is brighter and it does not scale as readily. The standard is a bright dazzling orauge-scarlet; wings orange-scarlet, slightly suffused rose; only partly waved. Edna Unwin is practically the same as this variety, and if there is any difference I would give the preference to Ruby; both are quite fixed.

Several stocks of Coccinea Spencer are now in commerce, but the best of these is an American stock, this being practically fixed. The color is rather lighter than the original Coccinea, being pale cerise suffused salmon.

Zarina pleased me exceedingly; the color is quite distinct, a soft shade of salmon-pink; the standard is upright and expanded, not a Spencer, though the flowers at times are slightly waved. The variety is quite fixed.

Earl of Plymouth, a sport from A. B. Bantock, is quite fixed, the color being blush pink on buff or cream buff ground. Quite distinct, but I prefer A. B. Bantock, as its color is more taking.

Mrs. Duncan appears to be synonymous with King Edward Spencer, but the flowers are smaller.

Mrs. Wilcox might be termed a pale America Spencer, but I much prefer the American stock of the latter, the flowers having more substance and the variety being quite fixed.

Colleen, which was certificated by the N. S. P. Society of England, does not appeal to me. As seen here it appeared to be a poor Apple Blossom on cream ground and did not know much of the Spencer characteristics, and was not fixed.

Arthur Unwin is, however, quite a desirable variety of the cream-ground Apple Blossom Spencer type, being superior to Mrs. A. Ireland, showing more cream coloring throughout the flower, and the best of this class.

Shawondasee turned out to be synonymous with Flora Norton Spencer, a later name for this being Zephyr.

Mrs. Miller was synonymous with Primrose Spencer.

Magnificent is a flaked variety in the way of Aurora Spencer but not so desirable.

Tom Bolton I made out to be identical with Othello Spencer.

Albert Gilbert was much mixed, what appeared to be the true strain being a dark rose or rosy crimson; medium-size flower.

I understand that Cherry Ripe has done well in England, but here it is not so fine as our best American stock of Coccinea Spencer.

The foregoing represents the principal American and English novelties introduced during the past season, and, as may be inferred from a perusal of my notes, a great number of these should not have been placed on the market until more work had been spent on them. However, the cry nowadays is for novelties, especially on the other side of the "pond," and this is the result.

G. W. KERR.

Fordhook Farms, Doylestown, Pa., Nov. 4, 1910.

P. S.—Since writing the above I have received a letter from the firm who introduced the variety G. W. Kerr, and they remark: "G. W. K. has been grand this year, stems 12 to 18 inches, flowers almost as large as Spencer's, distinct from Mrs. R. W. Pitt." Can climate and weather conditions have anything to do with the difference noted in the two varieties, here and in England?



Sweet Pea Ruby



Sweet Pea A. B. Bantock

Planting

The time for sowing the seed all depends on the time a crop is wanted. The first sowing for a good Christmas crop in our climate should be made in the first part of August. The plants will start to bloom in the first part of November, and will give good, long-stemmed flowers for Christmas, and bloom all Winter. For April, May and June crops, sow in December and January. Sow three to four seeds six inches apart, two inches deep, in rows three feet apart. On raised benches the planting may be a little closer. Keep the ground well moistened in hot weather; cover the ground with paper, and in eight days the seeds will germinate. White-seeded varieties should be sown outdoors, in coldframes, by dropping five or six seeds close together; cover same with shaded glass until they are up, and then give full sunlight, and in three weeks better results will be seen than by sowing in little pots.

Culture

It is very important to keep the plants, until they are about six inches in height, on the dry side, as too much water will surely cause stem rot. Be sure to give them support right from the start. As soon as they show good growth give more water. Don't neglect giving all the air possible, day and night, to insure a sturdy growth; be careful about night air in late Fall, to prevent mildew.

Insects and Diseases

The biggest enemy of Sweet Peas is the red spider, which will attack them in early growth, and if not checked will soon destroy the plants. The best remedy is spraying with a nicotine solution every two weeks, so that the spider never gets a foothold; this will also keep aphis and other insects in check. Keep a sharp lookout for the green caterpillar, which will chew off whole branches, and which appears sometimes in great numbers; the only remedy in this case is hard picking. There is another enemy, an aphis which goes into the ground and attacks the roots; I cannot say how heavy the damage is, as I have not had any experience with it. In diseases, stem rot and mildew are the most common. Stem rot can be prevented by being careful with water and air when the plants are young, and a not too close planting. For mildew, use flower of sulphur. Lately, I have noted, especially in the early stages, some of the leaves turning yellow, and the plants have a peculiar color, finally losing their leaves and the plants dying off. I traced this trouble to inferior and not well developed seed; if you don't look out for good seed, the raising of good flowers will become a difficult matter.

Marketing

If you have, by good culture and care, succeeded in producing good flowers, it is now important to deliver the same to your commission house, or customers, in the pink of condition. It is most necessary to bunch separately any flowers which have changed a little in color, as such, mixed with the good flowers, soon spoil the whole bunch; furthermore, tie your bunches at the bottom end of the stems so they will be loose, and crushing of the flowers will be avoided. Never allow any water on the flowers themselves as they soon get spotted, lose their fragrance and are unsalable. It is much better to ship your flowers without their having been in water; the commission man will attend to them. There are no flowers so popular as the Sweet Peas, and it is most necessary for an uptodate florist to have always a supply on hand, as they can be used for all occasions. We have now a great variety of Winter blooming Sweet Peas, and it is not necessary for one to name all the varieties. Sweet Peas well grown, and in good colors, will repay well for the attention and work they require.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction—Iron Frame Houses

Fig. 121 shows the details of the ridge connection and roof sash. D shows the iron ridge bracket to which the rafters, R, are secured by means of the two ½" bolts, E, on both sides of ridge. This roof bracket is provided with a projecting socket, J, which is of sufficient size to receive the bottom of the Cypress ridge, B, and is secured to same by means of a wood or lag screw. This Cypress ridge is made from 5" x 2" material. The cap, A, which is secured to the ridge, is made from 1¼" x 3" material, and to this cap the roof sash, C, on both sides is secured with the galvanized butts, M, with brass centers, the butts being 3" long. The roof sash is secured to the ridge cap, A, and the top rail of sash C with three wood screws. W shows a 1¾" x 1¾" iron purlin beneath the Cypress vent header, F. This header is similar to that described in connection with Fig. 49 and is arranged to catch the water of condensation which drips from the bottom rail of sash C, a V notch being cut at intervals, as shown at H; this allows the water of condensation to pass out on the roof glass, G. The section, S, is a cross section through rafter R, showing the roof sash, C, joining directly over the center of the ridge at K, and where the sash is operated continuously there should be a 2" x ⅛" iron plate, L, placed over the joining of the two sash and secured to same with wood screws. This iron plate or batten extends from the lower edge of bottom of sash to the ridge cap. When this plate, L, is not used, as, for instance, when two sections of roof sash come together and are not operated by the same machine, there should be used a vent rest with drip groove, same as shown in Fig. 52.

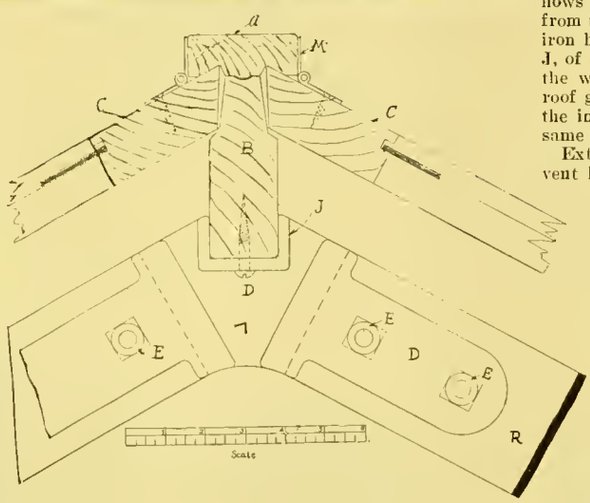


Fig 121

Fig. 122 shows the form of the ridge in the case where roof sash is only used on one side, as in the passage house. In this case the ridge, B, is plowed out to receive the roof glass, G, and the roof bar, I, is carried up and nailed to the ridge B; otherwise the ridge and cap is practically the same, the roof sash being secured to one side of the ridge cap; the iron bracket, D, which secures the rafters together and also holds the ridge, B, is the same as in Fig. 120. This illustration shows an alternate form of vent header. In this case the vent header, F, consists of a 2" x 1¼" x 3-16" angle which is set on top of the rafters, R, and is secured to same by means of the iron lugs, H, which are bolted to the rafters and also to the angle iron vent header. The bottom rail of the roof sash, C, is made of the form shown, and the water of condensation which flows from the underside of the glass of the roof sash drops from the corner, O, of bottom rail onto the top of the angle iron header, F; and midway in each sash the bottom rail, J, of the sash is notched out as shown at K. In this way the water of condensation passes outdoors on top of the roof glass. This angle iron vent header, being exposed to the inside temperature of the house, is non-freezable, the same as the eave plate.

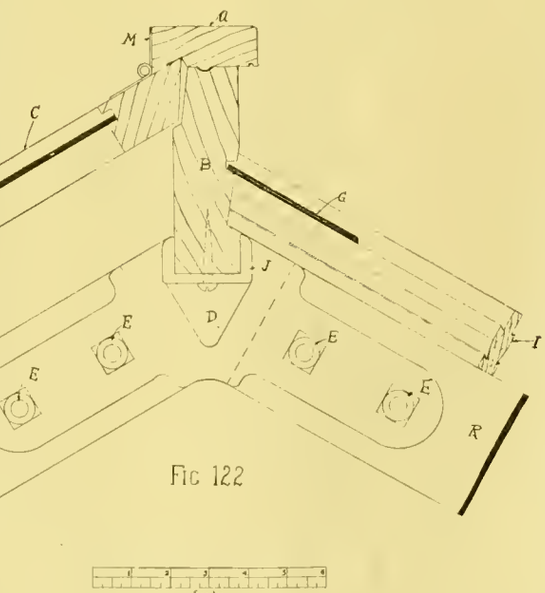
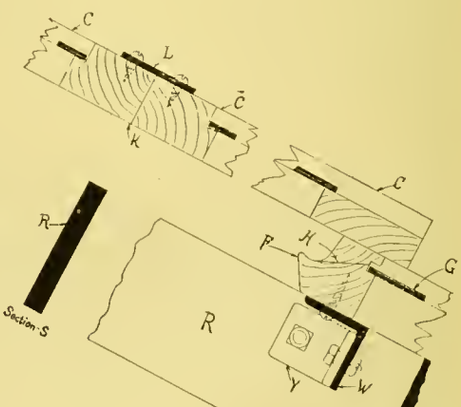


Fig 122



Extending between the rafters, and secured to the iron vent header, F, is a 1" x 1¼" angle iron, shown by the dotted lines, W, drilled at the required centers for the roof bars, which are secured to same by means of wood screws. The roof glass, T, runs directly up to the iron header, F, and there is placed between each of the roof bars the Cypress filling piece, P, the space, S, between this wood piece and the iron header being filled with putty. When pushed up in place, this filling piece is secured on both sides by a zinc point, O, driven into the tongue of the roof bars, I. The vent rod for operating the sash is shown at N, and this is secured to the sash by means of the bracket, L, two of them being furnished to each 8' 4" sash, and they are placed so as to come at an intermediate glazing bar in the roof sash, to which they are secured by a wood screw as shown. There is also an iron lug, V, cast on this bracket so as to come on each side of the intermediate glazing bar, and these two lugs secure this bracket to the bottom rail, J, by means of the wood screws as shown. This form is a very excellent and desirable construction, but as the patent rights of this design of vent header and vent rod, lug or bracket, have been reserved, it would be necessary to secure same through the manufacturers.

THE FLORISTS' EXCHANGE
A Business Paper For Business Man



San Francisco

The Admission Day parade of which Angelo J. Rossi, a well-known retail florist, was Grand Marshal (see pages 972 and 973, issue of Nov. 26, was a huge success. The procession was something like eight miles long. This celebration takes place about every five years and is in commemoration of the admission of California into the Union.

Boston's Thanksgiving Retail Trade

Retail business for the past week has exceeded all expectations. I have seldom heard such good reports for Thanksgiving. Most of the large retailers say it was almost as good as Christmas with this single exception, that plants were not used as extensively. Stock was not overplentiful but it was of excellent quality. The plants which were most in demand were Cyclamen, Lorraine Begonias and Azaleas, but it is evident that the public does not like the white Lorraine Begonia as well as the pink; a few plants of it may sell but not in large quantities.

Penn's on Bromfield st. report an exceptionally good Thanksgiving business, in fact, larger and better than ever before. With their recent improvements in the store and their better facilities they were well able to handle their large and increasing business. Although certain flowers were scarce in the city they had an abundance of all kinds and some of their best stock came from their own special growers. Orchids were scarce but they procured a splendid lot from growers outside this State and had a good demand for them. Gardenias were largely sold and these also had to be obtained from a distance. They had seventy cases delivered on the Tuesday at one time, from one grower, of the best Chrysanthemums that come to the market, and these were all disposed of on Wednesday. Their window display is changed each day. They had the decorations for the Costello wedding in Cambridge, which was very elaborate, and took much material. The decorations were largely made up of green and yellow. Southern Smilax and a variety of small yellow Chrysanthemum was used in great abundance.

Galvin's report excellent business and the disposing of more flowers than usual at Thanksgiving. They had a splendid display of Poinsettias in their Tremont st. store, the first we have seen, and these make an attractive window, the plants being well grown with good bracts. The other window of this store is largely given up to a display of Orchids. A vase of Dendrobium Phalaenopsis Schroderae was made up of fine spikes, Oncidium varicosum Rogersii, Vanda caerulea and an elegant display of Phalaenopsis grandiflora was also made. They report a good plant trade for Thanksgiving.

Silvermann on Winter st. did a ripping good business. This street is always thronged with Boston's best buyers and his store is generally thronged with patrons. He always keeps an attractive display which is in line with the street. This week his window was tastefully arranged with fine Chrysanthemums, nice plants of Azaleas, Lily of the Valley and large bunches of Violets.

Wax Bros. on Tremont st. are happy over their amount of Thanksgiving business. Their cut flower trade far exceeded previous years. As their store is located on Tremont st., opposite the Common, the location gives them an exceptionally fine chance to make beautiful window displays; these are always attractive and highly artistic and, with no buildings on the opposite side of the street, the additional light so obtained is quite a factor in obtaining these results.

Edward McMulkin's store on Boylston st. is always attractive, as he nearly always makes a display in one color. This week he has a pink window which is largely made up of Lorraine Begonias, especially attractive as they are all handsome specimens, grown by the W. W. Edgar Co. of Waverley. Lorraines and Azaleas were the plants most in demand at Thanksgiving.

The new retail store of Arnold & Petros has been opened where the Y. M. C. A. stood, and ought to turn out one of the best locations in the city, as it is near the Lowell Institute, School of Technology and the Public Library, and in a busy thoroughfare. Their store is equipped with all the latest devices and is large and commodious, giving ample room for a large business. The window of this store is quite different to any other in the city. It is a large bay, standing well out in the street, thus giving an excellent opportunity to make a large and elaborate display. This window, when I saw it, was quite interesting. In its center was a dinner table, artistically arranged with flowers and dishes, etc. On both sides of the table were placed fine Lorraine Begonias, Bouvardia Humboldtii, Violets, Chrysanthemums and other fine stock. On their opening day they were crowded with patrons and on Wednesday they did an excellent business. Their success so far has exceeded their expectations. Mr. Arnold and Mr. Petros are both old hands at the business and there is a bright future before them.

Hoffman on Boylston st. has a most elaborate frontage, far exceeding that of any other retailer in the city, and he it to his credit to say that he spares no material or time to make it attractive. He reports excellent business during Thanksgiving week. Much of his material comes from his own greenhouses at Mount Auburn and he is also supplied by some of the best growers in his vicinity.

Newman has an attractive window display and he always shows great taste in his arrangement. He is located in a different part of the city and gets his own share of trade. He reports good business.

Zinn on Park st. is always busy but this week's business far exceeded that of any previous Thanksgiving. He had quite a number of large decorations lately and several good orders for funeral pieces.

Comely reports a very fine week, much better than he had expected; he disposed of large quantities of stock.

R. C.

Notable New Jersey Wedding Decorations

The floral decorations at the Nichols-Douglass wedding, at West Orange, N. J., recently, were more than ordinarily lavish, and reflected much credit upon Wm. L. Hundertmark, who had charge of them for McAllister, the florist of Passaic, N. J.

The ceremony took place at the home of the bride's parents. At the north end of the music room, in which the ceremony was performed, a temporary screen of Asparagus and white Chrysanthemums was erected. In front of this was the *prie-dieu*, which was decorated with white Roses and white Chrysanthemums, and above this, from the balcony, was hung a spray of Lily of the Valley with large clusters of white Chrysanthemums on either side. The columns supporting the balcony were draped with Asparagus and white Chrysanthemums, and the balcony itself was banked as high as the organ top with Palms. The fireplace was banked with Ferns and Crotons and the mantel was a profusion of white Chrysanthemums. The aisle down which the bridal party passed was made of white ribbon, supported by white stanchions. In the reception room the mantel was banked with Bridesmaid Roses and Farleyense Ferns, and the orchestra was concealed by a bank of Palms. The mantel in the main hall was banked with Lorraine Begonias tied with pale green gauze ribbon. In the dining room the mantel was banked with Bridesmaid Roses and Farleyense Ferns and Palms. Ferns and cut flowers were used in profusion in the decoration of the rest of the house. The bride carried a marriage ring of Dendrobium Formosum giganteum, showered with Lily of the Valley. The maid of honor carried an arm bouquet of White Killarney Roses, with streamers of white satin. The flower girl carried a swinging basket of pink Bouvardia. The bouquets of the bridesmaids were of pink Chrysanthemums with streamers of dewdrop chiffon.

Retail Florists at Flower Shows

A most valuable opportunity to reach the public, and one more often neglected than not, is presented to a retail florist in the local flower shows. At many of the great flower shows this Fall the promoters have included sections in their schednles and set apart valuable premiums calculated to induce retailers to make a show under conditions favorable to any of them. But very few have taken advantage of the opportunities before them. What is the reason? Mainly jealousy. A florist making a display in competition with others of his craft feels that he has lost prestige in his business if he should not win a first in the class in which he exhibits, particularly as his defeat is before the public of his own town, many of whom, perhaps, are his customers. On the other hand, when he stays away and the other fellow, generally less known and more in need of a boost, gets the honors, he has lost out in publicity.

The former contingency, it would seem to me, is to be less feared than the latter. It is a conclusion jumped at without a thought of the third party—the public. Personal observation this Fall convinces me that the visitors at a show do not care a rap for the prize feature of a florists' display. They do a little judging for themselves, and it is not always in favor of the exhibit receiving a first award.

At a large flower show held quite recently in New York there were nine classes set apart for retail florists' exhibits, and yet there was not an entry in any one of them. The only premium was a diploma for the best in each class. The exhibition was free, under the patronage of society people, and thousands of people of the better classes, all safely assumed to be flower lovers and consumers, visited it in the four or five days of its existence. What a glorious opportunity for advertising, at no expense but the bare cost of the exhibit, and to people the florist could hardly reach any other way, even with an expenditure of many hundreds of dollars. It was a parallel to the old story of the farmer who, fearing that the crows would pick up the seed he sowed, had no heart to sow them, and died of starvation.

If the prize feature is all that keeps retailers out of the exhibition ranks at our best shows, by all means dispense with it; the advertising feature should be sufficient attraction. We should see more decorative work at the shows, and if there is any real obstacle in the way let us have it removed, if at all possible.

Exhibits of Retailers at the Albany (N. Y.) Show

The booth of J. J. Berberich for which the silver cup of the Albany Florists' Club was awarded as being most



Decoration by McAllister of Passaic, N. J., for the Nichols-Douglass Wedding, W. W. Hundertmark, designer

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker — **ALBANY, N. Y.** — **40 and 42 Maiden Lane**

Our Motto: "Do unto others as you wish to be done by."

Hatcher — **Leading Florist** — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.** — Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — **BOSTON, MASS.** — **43 Bromfield St.** — **"Penn the Telegraph Florist."**

Wire us and we will wire you. We cover all points in New England.

Winn the Florist — **BOSTON, MASS.** — **No. 1 Park St. No. 2 Beacon St.**

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Established 1874 — Jno. V. Phillips — FLORIST — **BROOKLYN, N. Y.** — **217 Fulton Street** — **W. A. PHILLIPS, Manager** — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — **BROOKLYN, NEW YORK** — **Fulton St. and Greene Ave.**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — **BUFFALO, N. Y.** — **W. J. PALMER & SON** — **304 MAIN STREET** — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — **BALTIMORE MARYLAND** — **902 South Charles St.**

in accord with the terms of the schedule—"Best arranged florist booth"—was in the form of a rustic retreat with very little in the way of auxiliaries. Built of white Birch poles, roofed with Wild Smilax and Autumn foliage, Vincas depending from the gable base, and Wild Smilax covering the supports, its simplicity was delightful. Baskets of Cibotium Schiedei hung in the openings on either side and at the entrance were two pyramidal Boxwoods in Birch bark covered tubs, flanked with a pair of Pandanus Veitchii in jardinières. At either corner was a Bay tree. Inside the booth, grouped in the corners, were Ferns and Palms, enlivened by vases of 'Mums, Roses, Carnations, Paperwhite Narcissus and Roman Hyacinths. A large vase of American Beauty Roses, jardinières of Adiantums Farleyense and Hybridum and other Ferns were also conspicuous, well arranged for effect. On a small center table was a large vase filled with White Killarney Roses, and a small brass vase of white Roman Hyacinths. A side feature was a big tree stump filled with a Boston Fern, and having a mossed base with a sprinkling of small Ferns, among which was a handsome bird. The arangement in all was very pleasing and restful.

Wm. C. Gloeckner had a very fine booth, relying upon auxiliaries for the main effect. His scheme was a wedding bower, and it was carried out most thoroughly, with the aid of dressed figures. The front of the booth was composed of four white pillars, festooned with Laurel, with fancy baskets of Ferns and Vincas on pedestals on each side of the entrance, supported at the bases with the new types of Ferns. In brass jardinières along the front were more Ferns. Bunches of 'Mums tied with ribbons ornamented the pillars, and a three-bulb electric light, partly concealed with Asparagus plumosus was located over the entrance. Inside, a wedding ceremony was seen to be in progress, the figures of wax representing bride, bridesmaid, bridegroom, best man, minister, and ring bearer. The bride carried a bouquet of white Roses and Asparagus plumosus, showered with Lily of the Valley and Adiantum. The bridesmaid's bouquet was of 'Mums and Asparagus plumosus, and the groom and groomsman wore boutonnières of Dendrobium Formosum giganteum. The ceiling was a bower of Wild Smilax. Back of the prie-dieu, where the minister stood, was a bank of Palms, enlivened with vases of Lilies and 'Mums, and above was a flight of doves carrying in their bills a festooning of white baby ribbon. Running from tall vases of 'Mums cornerwise of the booth were aisle ribbons, extending to open altar gates, the fixed vases on which carried yellow 'Mums. Back of the aisle guards were Palms and vases of 'Mums. The color scheme was yellow and white.

F. A. Danker's booth was a pergola, arranged in tea house form. The pillars forming the front were decorated with Wild Smilax, and in front of them were groups of Palms and decorative plants. Wild Smilax was also liberally used as the pergola covering. In the center of the booth was an immense vase of 'Mums, with similar vases at each end. Pineapple plants in fruit, and 14 in. pans of decorative plants such as Dracæna terminalis, Kentias, Crotons, and Ferns were disposed to advantage. Back of the pergola, and forming the rear of the booth, was a splendid group of Palms, Bay Trees with Vincas depending from the tubs, Autumn foliage, Cibotiums and other plants. In the middle of the booth was a rustic seat, and porch chairs were otherwise conveniently placed.

The front of W. C. King's booth, which represented a conservatory, was decorated with Autumn foliage, Spruce boughs, and Vincas. Porch boxes spanned the openings between pillars and in them were white 'Mums and Ferns. In front of the boxes were plants of Marguerites and variegated Stevia, Spruce boughs hiding the pots. Inside porch boxes also helped out the booth outline. In the center was a rectangular group of 'Mums, Celosias, Hydrangeas, Marguerites, Boston Ferns, Cypripediums, potted Carnations, and Cyclamen. The corners were banked with large Kentias, with Callas at the bases, all bareness hidden with Spruce boughs. Marguerites, var. Stevia, shrubs and Boston Ferns, admirably disposed added to the effect.

Gloeckner and Danker made excellent displays of bridal bouquets, and the crowd of visitors considered them quite an attraction.

One of the finest exhibits in the show was Danker's plant group, staged in the class for the best group of plants arranged for effect, covering not more than 20 ft. square. The arrangement of the group was beautifully simple, yet most effective. Nature was the keynote of the scheme, and it could not have been better chosen. In the center was a large, hollow tree stump in front of which was a pool, represented by a mirror. From a hole at the bottom of the tree stump had emerged a fox, apparently contemplating a drink from the pool. In the foreground of the group, which was square in shape, was a mossed floor, broken here and there by stones, deadwood and plant growth, with a few florists' plants tastefully dispersed. Clumps of Bamboos, all kinds of Ferns, and Autumn foliage intruded pleasantly. Along the sides and at the rear were Kentias placed somewhat sparsely, and at the rear were three immense specimen plants of Ficus pandurata. On top of the tree stump was a splendid specimen of Cibotium Schiedei, from which evidently a large black squirrel had just descended, without disturbing a woodpecker which was busily at work. The group was awarded the big Michell cup, and deservedly so. P.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — **CHICAGO ILL.** — **185 Michigan Avenue**

Courtesies extended to all Florists

A. Lange — **CHICAGO** — **44 East Madison St.**

JULIUS BAER,
CINCINNATI, O.
Fourth St.

Frank F. Crumps — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

M. G. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — **DENVER, COLORADO** — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** — **20 Laura Street**

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** — **913 Grand Ave.**

All orders given prompt and careful attention.

Jacob Schulz — **LOUISVILLE, KY.** — **550 South Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — **LOS ANGELES, CAL.** — **216 West Fourth Street** — Telegraph Orders a Specialty

Hall & Robinson — **MONTREAL, CANADA** — **825 St. Catherine St., West**

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Arthur Dummett Inc.
MOUNT VERNON AND WHITE PLAINS
NEW YORK STATE

J. N. Champion & Co.
NEW HAVEN, CONN.
1026 Chapel Street
Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe
IN HEART OF
NEW YORK CITY
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Meyer
NEW YORK
609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. T. Bunyard Floral Co.
NEW YORK
413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent
NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex. McConnell
NEW YORK
571 Fifth Avenue

Charles Henry Fox
The Sign of the Rose
Broad St. below Walnut
Philadelphia.
We deliver to all suburbs of Philadelphia, Atlantic City and all New Jersey resorts.

T. J. Johnston & Co.
Florists
PROVIDENCE, R. I.
171 Weybosset St.

J. B. Keller Sons
ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist
SCRANTON, PA.
122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson
ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

SAN FRANCISCO and SOUTHERN CALIFORNIA
Julius Eppstein
The California Florist
SAN FRANCISCO, CALIFORNIA
344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention; exceptional facilities for delivering flowers on outgoing steamers. We cover all California and guarantee satisfaction. Wire us your orders.

Blackistone
WASHINGTON, D. C.
14th and H Streets
Also
1601 Madison Ave. BALTIMORE, MD.
J. Dan Blackistone

Gude Bros Co.
WASHINGTON, D. C.
Florists
1214 F. Street, N. W.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



Memorial Day Token to "Pittsburgh Phil."
(G. E. Smith, Pittsburgh, Pa.) This design was composed of 3500 White Carnations. The boots of the horse were worked in white chenille; the mane and tail were of light-colored A. plumosus and wild Spiræa. The horse was life size. Executed by Faulk Bros. of Pittsburgh, Pa.

RETAILER'S CHRISTMAS ANNOUNCEMENT

On page 1020, this issue, will be found our advertisement of two very taking forms of Christmas Invitation Announcements, prepared by the publishers of The Florists' Exchange for this special occasion. Read the advertisement and send in your order quickly. Samples furnished on application.

Littlefield Florist
WORCESTER, MASS.
407 & 409 Main St.

For "Supply" Advertisements see pages 1018-19

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
New York	Dec. 3	10.00 am	W. 23rd St., N.Y.	Southampton
Furnessia	" 3	10.00 am.	W. 24th St., N.Y.	Glasgow
Batavia	" 3	10.00 am.	3rd St., Hoboken	Hamburg
Minnewaska	" 3	10.30 am.	W. 16th St., N.Y.	Londoo
Koenig Albert	" 3	11.00 am.	3rd St., Hoboken	Gib-Algiers Naples-Genoa.
Celtic	" 3	12.00 m	W. 21st St., N.Y.	Liverpool
Carpathia	" 3	12.00 m.	W 14th St., N.Y.	Gib-Nap-Geno Trieste-Fiume
Madonna	" 3		31st St., Bklyn	Naples-Mars.
Cleveland	" 6	10.00 am	1st St., Hoboken	Gib-Algiers Naples-Genoa
Potsdam	" 6	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 6	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Buenos Aires	" 6		Pier 8, E. River	Cadiz-Barcel'a
Gothland	" 7	10.00 am.	W. 18th St., N.Y.	Antwerp
Campania	" 7	10.00 am.	W. 14th St., N.Y.	Liverpool
Taormina	" 7	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
M. Washington	" 7	1.00 pm.	Bush Dks. Bklyn	Nap-Pal-Tr'ste
Majestic	" 7	3.00 pm.	W. 21st St., N.Y.	Southampton
Regina d' Italia	" 7		Gr'nd St. Jer. Cy	Naples-Genoa
Fred. der Grosse	" 8	10.00 am.	3rd St., Hoboken	Bremen
La Savoie	" 8	10.00 am.	W. 15th St., N.Y.	Havre
Italia	" 8	1.00 pm.	Union Strs. Bklo	Naples
Hellig Olav	" 8	2.00 pm	17th St. Hoboken	Copenhagen
San Giovanni	" 8	12.00 m.	Pier 33, Bklyn	Napls-Pal'rm
Uraoium	" 8		Pier 38, Bklyn	Rotterdam
St. Paul	" 10	10.00 am.	W. 23rd St., N.Y.	Southampton
New Amst'rdam	" 10	10.00 am.	5th St., Hoboken	Rotterdam
Lapland	" 10	11.00 am.	W. 18th St., N.Y.	Antwerp
Prinzess Irene	" 10	11.00 am.	3rd St., Hoboken	Gib-Algiers Naples-Genoa
Duca di Genova	" 10	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
K. Aug. Victoria	" 10	12.00 m	1st St., Hoboken	Hamburg
Minneapolis	" 10	12.00 m.	W. 16th St., N.Y.	Londoo
Cedric	" 10	12.00 m.	W. 19th St., N.Y.	Liverpool
Columbia	" 10	1.00 pm.	W. 24th St., N.Y.	Glasgow
Niagara	" 10	3.00 pm.	N.Y.	Havre
Roma	" 10		31st St., Bklyn	Naples-Mars.
Lituania	" 10		Bush Dks, Bklyn	Libau
K'r W. d. Gr'sse	" 13	10.00 am.	3rd St., Hoboken	Bremen
Adriatic	" 14	9.30 am.	W. 21st St., N.Y.	Southampton
Caronia	" 14	10.00 am	W. 14th St., N.Y.	Liverpool
La Lorraine	" 15	10.00 am.	W. 15th St., N.Y.	Havre
La Gascogne	" 15	3.00 pm.	W. 44th St., N.Y.	Havre
Pres. Grant	" 17	10.00 am	1st St., Hoboken	Hamburg
Caledonia	" 17	10.00 am.	W. 24th St., N.Y.	Glasgow
Philadelphia	" 17	10.00 am	W. 23rd St., N.Y.	Southampton
Koenigin Luise	" 17	10.00 am.	3rd St., Hoboken	Bremeo
Minnehaha	" 17	10.30 am	W. 16th St., N.Y.	Londoo
Arabic	" 17	11.00 am.	W. 19th St., N.Y.	Liverpool
Mauretania	" 17	6.00 pm.	W. 14th St., N.Y.	Liverpool
Guyane	" 17		W. 44th St., N.Y.	Bord'x-Dunk'k Constant'ple
Themistocles	" 17		—Brooklyn	Piraeus-Smy'a
From Boston				
Saxonia	Dec. 6		B&A Dks, E. Bos.	Liverpool
Winnifrediao	" 7		B&A Dks. E. Bos.	Liverpool
Columbian	" 9		B & M Dks. Char	Londoo
Pretorian	" 9	2.00 pm	Mystic Whf. Char	Glasgow
Zeeland	" 13		B& M Dks. Char	Liverpool
Anglian	" 16		B & M Dks. Char	Londoo
Philadelphia				
Taormina	Dec. 6		80 So. Wharves	Napls-Geno
Marquette	" 9	10.00 am.	55 So. Wharves	Antwerp
Haverford	" 10	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 10		24 No. Wharves	Glasgow
San Francisco				
Chloa	Dec. 6	1.00 pm.	1st Street	Honolulu
Manchuria	" 13	1.00 pm.	1st Street	Japao
Chiyo Maru	" 20	1.00 am	1st Street	China
Asia	" 27	1.00 pm.	1st Street	

PLEASE NOTICE THAT
Items of interest to the Retail Trade are not confined to this page but will be found throughout the entire paper.



Booth of J. J. Berberick at the Recent Flower Show of the Albany (N. Y.) Florists' Club. Awarded Silver Cup.—See text.

Reliable Supplies for both Wholesale and Retail Florists

Again You Read The Pine Tree Ribbon Ad.

Possibly you need these Ribbons, will you let another day pass without writing for samples?

Think of the good points of these Taffeta and Satin Taffeta Qualities:

Beautiful rich lustres — Clean weaves

Many widths and colors

More silk value for your money than a jobber can offer you —a postal brings our regular "Standby" Holiday Line

Why not write that postal today?

The Pine Tree Silk Mills Co.

806-808-810 Arch Street
52-54 N. Eighth Street
PHILADELPHIA, PA.

Ever bought Ribbons direct from the Manufacturer?

Please mention the Exchange when writing.

HENRY M. ROBINSON & CO.

Wholesale and Commission Florists. Importers and Manufacturers of Florist Supplies

Special Offer for the Next Two Weeks

CYCAS LEAVES

8 inch	$2.00 per 100	8 to 12 inches	$2.50 per 100
12 to 16 inches	3.00 per 100	16 to 20 inches	3.50 per 100
20 to 24 inches	4.00 per 100	24 to 28 inches	4.50 per 100
28 to 32 inches	5.50 per 100	32 to 36 inches	6.50 per 100
36 to 40 inches	8.00 per 100	40 to 44 inches	9.00 per 100



Violet and Green Tinfoil, best quality, 17c. per lb.

Plain Tinfoil, 9c. per lb.

Immortelles, new crop, all colors, large bunches, 14c. per bunch.

Imported Bronze and Green Magnolia Leaves $2.00 per basket.



If in need of the above kindly order at once, as this is a special offer for the next two weeks. Your orders will be filled promptly, properly and to your entire satisfaction.

15 Province St. & 9&15 Chapman Place, BOSTON, Mass.

FANCY OR DAGGER FERNS $1.00 per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass. L. D. Phone Connection.

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX. Order our Special 50-lb. cases of Smilax for your Christmas Trade; only $5.00, and it's fine quality, too.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.50 to $3.00 per doz. Try a few of our Pine Wreaths at $1.50 per doz. They are bargains. First come, first served.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.

Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.— Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplogs made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moss.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties, Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Krick's Letters — THE BEST.

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

GEORGE COTSONAS & CO.

127 WEST 28th STREET
NEW YORK

Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** EVERGREEN THE QUICKEST SHIPPER ALABAMA

Please mention the Exchange when writing.

Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**

Place your Christmas orders now for Holly, Mistletoe, Palms, Pines, Magnolia Leaves, and Moss.

Wire or write your wants. Satisfaction guaranteed.

Please mention the Exchange when writing.

You Need this in Your Business

THE FLORISTS' EXCHANGE

Design Book

It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.

This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents.

Positively this Design Book can be obtained only through becoming a subscriber.

Prices Advertised in these Columns are for THE TRADE ONLY

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

SIT UP AND TAKE NOTICE

The Florists' Supply House of America

You will want some of Our Novelties for Your Christmas Business. Why not order now, and have them in stock to be ready for your busy rush?

All the Newest Imperial China Ware. Many designs to choose from.

Ideal Oak Sprays in brown, green, and various colors, in short branches, in hampers, and in large sprays.

Beech Sprays, brown, green, red, cherry and leather color.

Ruscus, similar to Smilax, in red, green, and other fancy colors, for your Holiday Work.

Immortelle Wreaths, the kind that always sell. Our special deisgn of American Style is a taking one; the other style is closely wrapped on the French Style; all sizes in both styles.

Baskets, the Newest Creations, which surpass all other styles. Those with gold, and gold and silver mixed effects are pleasing sellers—try them; they are somewhat different in shape and material from other baskets.

Plenty of Other Good Supplies for you with your order.

OUR CATALOGUE COMES TO YOU ON REQUEST

H. BAYERSDORFER & CO., 1129 Arch Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

BOXWOOD

Sprays | BRIGHT GREEN, FRESH, CLEAN SPRAYS | Sprays

50 POUND NET WEIGHT HIGH QUALITY STOCK $7.50

GREEN, FANCY, SHEET MOSS

3 BUSHEL SACK $1.50

Our Guarantee goes with this stock

PINE CONES, A CHRISTMAS NOVELTY, $5.00 per 100.

PITTSBURGH CUT FLOWER CO.,

121 SEVENTH ST., PITTSBURGH, PA.

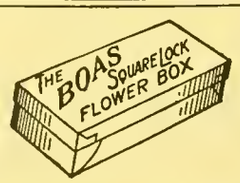
Descriptive Booklet Free

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

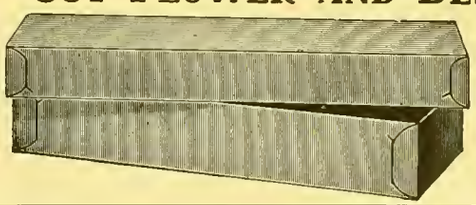
William J. Boas & Co.

1042 Ridge Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices

WRITE US

C. C. Pollworth Co.

MILWAUKEE, WIS.

Please mention the Exchange when writing

Worcester, Mass.

There has been a falling off in retail trade during the week; the weather has been against business. All dealers report an excellent Thanksgiving trade, with a general slump following. Stock is plentiful, Roses, Carnations, 'Mums, Lilies and Violets bring all that can be desired. Chrysanthemums have met a great demand and have held out better than was at first expected.

H. F. Midgley is busy with funeral work and continues to have a run on potted plants, which keeps his shop before the public.

The Boston Store is showing some fine Rubber plants, Boston Ferns and decorative trees for the holiday trade.

C. D. Mackie has a good assortment of cut stock, but reports a lull in all branches of the business this week.

Harry Randall's window displays in the Littlefield store, at 409 Main st., are still attracting attention. This store is always a busy place. There is plenty of seasonable cut stock on hand.

At the Worcester Conservatories, Leonard C. Midgley reports plenty of Roses and Carnations, with Cyclamens for the Christmas trade. He says the weather is bad for business, but expects to have his usual holiday stocks ready.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited. Positively no advertising copy can be received after Wednesday, Dec. 7.

Fisher, the florist, claims the Thanksgiving trade surpassed expectations. More flowers were worn and sent to homes this year than last. He is holding back his Roses for the Christmas trade.

H. F. A. Lange has plenty of cut stock and reports a splendid Thanksgiving business. His Lilies, Roses, Carnations and Violets are in great demand.

Chrysanthemums are holding out well at the Flower Shop, 40 Southbridge st., and with other seasonable flowers supply the trade here.

Allyne W. Hixon is preparing for the holiday demand. His Chrysanthemums are all gone, but he expects plenty of Callas, Cyclamens, Violets and Carnations for Christmas. Funeral designs have kept both Mr. and Mrs. Hixon busy.

Mr. and Mrs. George McWilliam of Whitinsville are visiting in Nova Scotia.

E. D.

Fancy Delaware Holly

The foliage is perfect, glossy and dark green, and heavily berried. We personally supervise the packing of all our goods. Delivered by freight to points east of the Mississippi River, $4.00 per case.

HOLLY WREATHS made by experienced makers from best, glossy, dark green Holly, wound with wire on round hoops, with 4 large clusters of berries, 14 in., $10.00 per 100.

We solicit the placing of your orders early. Special attention given to small orders. Cash with order.

THE H. AUSTIN CO., Felton, Del.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

New Carnations—January 1st. Delivery

WHITE HOUSE (the "Prince of Whites"), and **PRINCESS CHARMING** which is going to be one of the very best Light Pink Carnations ever introduced. Call around and see these varieties growing if you are interested. $12.00 per hundred, $100.00 per thousand.

New Roses

HILL'S ROSE QUEEN, which is destined to displace Killarney and all other pink roses, **LADY HILLINGDON** and **MRS. AARON WARD,** two splendid yellows.

New Chrysanthemums?

Why certainly—that's our business

We will send out next year **MRS. G. C. KELLY, LADY CARMICHAEL, E. M. BYRNES, WM. TURNER** and other splendid **Exhibition Varieties.** If you do not receive our List, write for it.

CHAS. H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Providence, R. I.

Thanksgiving time livened up the florist trade in Providence and vicinity. Some of the leading florists report business in advance of previous seasons, while others claim a slight falling off, owing to business depression. It is rumored that a certain New York florist did not deliver the flowers ordered of him for a funeral at Fall River, Mass., recently, on time, and the funeral took place without them. Had this order been placed nearer home, delivery would have, no doubt, been made on time.

A. Holscher reports good business for Thanksgiving.

T. J. Johnston Co., Weyhosset st., report business on the increase and the general outlook for all grades of flowers and plants is good. Chrysanthemums are selling from $3 to $6 per doz. for the better grades. Mr. Brooks, manager of above firm, reports very good business from the International Floral Association, of which they have the agency for the State of Rhode Island, except the immediate vicinity of Newport. Prompt delivery of flowers is assured to any part of the world.

John Macrea reports business the past week was much better than he anticipated, having practically sold all his Chrysanthemums; he is bringing in some of the best Carnations at present.

Lawrence Hay is cutting some very choice Carnations and receiving top notch prices for them.

Wm. Hay, Oaklawn, R. I., also Clemence st., Providence, is cutting some very choice Roses; the Rose crop in general is somewhat scarce just at present in this vicinity.

J. K. Canning, Smith st., reports plenty of funeral work, also good Thanksgiving trade; he had the floral decorations for the dedication of the John Hay Library recently; also has a decoration on for this week at the Narragansett Hotel.

C. H. Hunt, Buruside st., says business is picking up with him.

Peter S. Byrnes, Wickford, R. I., was in town Friday last purchasing supplies; he had a large order for bulbs to plant for a party in Westerly, R. I.; he reports business good.

J. Kopelman, Washington st., wholesale and commission florist, reports Thanksgiving trade was excellent with him. Roses are somewhat scarce; 'Mums are cleaning up very well at fair prices.

Mrs. Sarah A. Williams, wife of the late A. A. Williams and mother of Olney H. Williams, florist, Johnston, R. I., died Friday at the home of her daughter, Mrs. Leonard M. Austin, 53 Vernou st., Providence, R. I. Mrs. Williams was well known in Johnston; she made her home until recently at the old homestead in Pocasset; she was 72 years of age. The funeral was held Tuesday from the residence of her daughter. The floral offerings were many and beautiful.

W. S. Pino, seedsman, has just received a large importation of Immortelles from France; quality extra fine, prices reasonable.

Robert Greenlau, representative of the S. S. Pennock-Meehan Co., Philadelphia, Pa., was a recent visitor among the trade here.

D. E. Newell, Attleboro, Mass., was in town Wednesday attending the hearing of his brother's will, of which he is a contestant.

M. J. Leach & Sons, Pawtucket, R. I., report business good during the past few weeks.

Matthew Macnair reports one of the best Thanksgivings he has had in recent years, with plenty of funeral work.

Anyone looking for a good retail store will do well to note the advertisement of W. B. H., Providence, R. I., in last week's paper.

Wm. Appleton is confined to his room and is reported to be failing very fast.

The Market

Roses, especially red varieties, are scarce: firsts, $8 to $12.50; seconds, $6 to $8; thirds, $2 to $5 per 100. Chrysanthemums, $4 to $12.50; Carnations, $1.50 to $3; Lily of the Valley, $3 to $5; L. giganteum, $8 to $10; Mignonette, $1.50 to $2; Violets, scarce, 50c. to $1. All above per 100. Gardenias, $3 per doz.; Orchids, $5 to $7.50 per doz.; Maidenhair Fern, $1 per 100; Green Galax, $1 per 1000; New Bronze Galax, $1.50 per 1000; Callas, $1 per doz.; Magnolias, domestic, $1.75 per basket; imported, $2.50; Dagger Ferns, $1.25 per 1000; Fancy Ferns, $1.50 per 1000.

H. C. N.

YOUR 1910

Christmas Announcements

At the Christmas holidays all retailers make special efforts to draw the attention of their customers to the choice stock of plants, flowers, etc., which they have provided for that special occasion. This object can be most quickly accomplished through the use of our Christmas Invitation Folders, of which we have prepared two forms, as follows:

Wreath of Holly, tied with red ribbon, and showing the Holly foliage and berries in natural colors.

A spray of Mistletoe showing the foliage, berries and stems, all in natural colors.

Both designs are very attractive.

The Invitation takes the form of a four page folder, and is printed on fine enamel stock; the four-color design of either Holly or Mistletoe, with "Merry Christmas, 1910" being printed on the front page and the announcement on the third page.

Envelopes of fine quality, unprinted, are furnished with each order. Any wording desired will be printed on the third page in black ink, unless otherwise ordered. Delivery F. O. B. New York, at the following prices:

100 Folders and Envelopes,	$4.50	500 Folders and Envelopes,	$13.50
250 " " "	7.50	1000 " " "	25.00

Each Additional 1000, $22.50

Cash with order, please, if you have no account with us

Purchasers can order half of each design.

A sample set of Invitation Announcements will be sent on request. Address,

THE FLORISTS' EXCHANGE

P. O. BOX 1697, NEW YORK, N. Y.

PRICE LIST — CHRISTMAS, 1910

Craig Christmas Specialties

Are known all over the country and are in greater demand each year. Having increased our glass area over 50,000 square feet, we are in a position to meet our fast increasing business. Our stock for the Holidays is superior in quality to any we have ever grown, nothwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following, in the sizes herein listed :

15,000 Cyclamen 25,000 Poinsettias 20,000 Begonia Gloire de Lorraine 3,000 Azaleas

CYCLAMEN

This has been one of our specialties for over twenty years. This year we grew upwards of fifty thousand plants. At this time our stock is better than ever before and sure to be a money maker for any one buying now.

Plants in all sizes exceptionally well flowered.

4-in. pots .....$25 and $35 per 100
5-in. pots .....$6, $9, and $12 per dozen
6-in. pots .....$12, $15, $18 and $24 per dozen
7-in pots, 22 inches to 24 inches in diameter..... .....$2 and $2.50 each
8-in. pots (specimen plants; 26 inches to 30 inches in diameter).....$2.50, $3 and $3.50 each

POINSETTIAS

We grow none of the pink variety, all of our stock being of the selected, bright red sort; the bracts are unusually large in all the sizes.

3-in. pots .....$12 and $15 per 100
4-in pots .....$25 per 100
5-in. pots, heavy .....$40 and $50 per 100
7-in pans, 3 plants with ferns..$12 and $15 per dozen
8-in pans, 3 plants with ferns.....$18 per dozen
9-in. pans, 3 plants with ferns .....$24 per dozen
8-in. low pans, 5 plants with ferns.....$15 per dozen
10-in. low pans, 6 plants with ferns....$24 per dozen

DOUBLE POINSETTIAS

This is a great improvement over the single variety, the bracts being double and much larger.

3-in pots, heavy .....$20 per 100
4-in. pots, heavy .....$35 per 100
7-in. pots, 3 plants with ferns .....$1.50 each
8-in. pots, 3 plants with ferns .....$2 each
8-in. bulb pans, 5 plants .....$2 each

BEGONIA GLOIRE DE LORRAINE

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.

3-in. pots (for basket work) .....$20 per 100
4-in. pots .....$35 per 100
5-in pots, heavy .....$6 and $9 per dozen
6-in pots .....$9 and $12 per dozen
7-in. pots .....$15 and $18 per dozen
8-in. pots .....$24 and $30 per dozen

BEGONIA LONSDALE

We have a large stock of this light sport at the same prices as quoted above for Begonia Gloire de Lorraine. This variety is considered far superior to the original type, making a finer shaped plant, and holding the flowers much better. The color is a little lighter than the original Lorraine.

BEGONIA LONSDALE—Dark Sport

This variety holds it flowers better than any other, and owing to its great "keeping qualities," it will become a universal favorite.

4-in. pots .....$35 per 100
5-in. pots .....$50 and $75 per 100
6-in. pots .....$1 each
7-in. pots .....$1.50 each

BEGONIA GLORY OF CINCINNATI

This variety is endorsed by all the leading retail florists and will in time displace Begonia Gloire de Lorraine. Do not overlook this grand plant when placing your order for Christmas.

5-in. pots .....$1 each
6-in. pots .....$1.50 each
7-in. pots .....$2 and $2.50 each

AZALEAS

Our Azaleas were never in finer condition for Christmas and include one full house of that sterling variety "Madame Petrick," also a large quantity of "Hexe" and "Vervaeneana."

5½-in. pots }
6 -in. pots } .....$9, $12, $15 and $18 per dozen
7 -in. pots }

Larger plants at $2, $2.50 and $3.00 each
Small "Madame Petrick," for basket work, at $7.50 per dozen

BOUGAINVILLIA SANDERIANA

We have an exceptionally fine lot of shapely specimens at $2.50, $3 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter time.

BERRIED AUCUBAS

Well berried and well colored.

7-in., 8-in., 9-in., and 10-in. pots ..... $15, $18, $24, $30, $36, $48 and $60 per dozen

GARDENIA VEITCHII

These are very strong plants and will make grand stock for Winter blooming.

2¼-in. pots, heavy .....$8 per 100; $75 per 1000
4 -in. pots, heavy .....$20 per 100; $180 per 1000
6 -in. pots, heavy.....$50 per 100
7 -in. pots, heavy .....$9 per dozen; $70 per 100

CROTONS

The Croton with its highly colored foliage is indispensable for the coming season. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

3-in. pots .....$25 per 100
4-in. pots .....$35 per 100
5-in. pots .....$0.50, $0.75, and $1 each
6-in. pots .....$0.75, $1, $1.25, $1.50 and $2 each
7-in. pots .....$2, $2.50 and $3 each
8-in. pots .....$3, $3.50 and $4 each
10-in. ¾ pans .....$5, $6 and $7.50 each

We desire to make special mention of Croton Cronstadtii. This variety is one of the most beautiful and graceful of the Croton family.

6in in., 7-in. and 8-in. pots ....$1.50, $2 and $2.50 each

Every retail store should feature Crotons this Winter. We know our stock will please you and your customers. There is nothing handsomer for Christmas baskets.

DRACAENA MASSANGEANA

The variety with the golden stripe down the centre of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an exceptionally large stock, well colored, and of the very highest quality.

6-in. pots .....$18 per dozen
7-in. pots .....$24 per dozen
8-in pots .....$30 per dozen
9-in. pots .....$48 per dozen
10-inch pots .....$5, $6 and $7.50 each

DRACAENA FRAGRANS

(Ready now)

5-in. pots .....$5 and $6 per dozen

DRACAENA TERMINALIS

Perfect foliage and brilliantly colored.

6-in. pots, very heavy .....$1.25 and $1.50 each

DRACAENA AMABILIS

Well-colored plants.

6-in. pots .....$18 per dozen
8-in. pots .....$2 and $2.50 each

PHOENIX ROEBELENII

This is unquestionably one of the great palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30 and $36 per dozen
8-in. tubs.....$3.50 and $4 each

PANDANUS UTILIS

Superb stock

8-in. pots, strong plants.....$18 and $24 per dozen

PANDANUS PACIFICA

Very handsome plants

11-in. tubs .....$2.50, $3, $3.50 and $4 each

PANDANUS VEITCHII

2½-in. pots.....$30 per 100

ARAUCARIA EXCELSA

5-in. pots, 4 and 5 tiers.....$9 per dozen, $70 per 100
6-in. pots, 5 tiers.....$12 per dozen

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered. It will surely give satisfaction.

6-in. pots, 2 ft. tall.....$2 each
6-in. pots, 2½ ft. tall.....$2.50 each
7-in. pots, 3 ft. tall.....$3 each
8-in. pots, 4 ft. tall.....$4 each
10-in and 11-in. tubs, 5 to 7 ft. tall, $5, $6 and $7.50 ea.

The large plants are unusually fine

Branch plants, exceptionally fine,
$2.50, $3, $3.50, $4, $5, $6 and $7.50 each

ABIES NORDMANNIANA

$0.75, $1 and $1.25 each
In tubs, very large.....$2.50 each

BOXWOOD

Just Arrived—Unusually fine stock of all plants of all sizes .....$0.50, $0.60 and $0.75 each
Ball shape .....$1, $1.25 and $1.50 each
Heavy Bush Form .....$1, $1.25 and $1.50 each
Pyramid .....$2.25, $3, 3.50, $4 and $5 each
Pyramid Squared, very handsome, in fancy tubs, $12.50 each

It will be well to place your order for the above at once. We will hold for future delivery or ship now.

ARECA LUTESCENS

Perfect plants with rich dark green foliage. Our stock is in splendid condition.

7-in. pots, heavy, 3 plants, 36 in. tall.....$24 per doz.
7-in pots, heavy, 3 plants, 40 in. tall.....$30 per doz.
8-in. pots, heavy, 3 plants, 42 in. to 44 in. tall, $36 per dozen
8-in. pots, heavy, 3 plants, 48 in. tall.....$3.50 each

NEPHROLEPIS—IN VARIETY

We are now the largest growers of Nephrolepis Ferns in the country, in the following varieties; in fact, we are headquarters for them. The demand increases each year and it is our aim to have every variety in Nephrolepis, in every size, every day of the year.

May we have your Christmas order on Ferns? Excellent values in all sizes.

NEPHROLEPIS AMERPOHLII

Philadelphia Lace Fern

6-in pots.....$6 and $9 per dozen

NEPHROLEPIS TODEAOIDES

London Fern

This variety we consider the best of the upright growing plants.

2¼-in. pots.....$5 per 100, $45 per 1000
4-in. pots.....$20 per 100
6-in pots.....$6 and $9 per dozen
8-in pots.....$12 per dozen
11-in. tubs .....$24 per dozen

NEPHROLEPIS SCHOLZELI

This is an ideal chested Fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8 per 100, $75 per 1000
4-in. pots.....$20 per 100
6-in. ¾ pans, heavy.....$6 and $9 per dozen
8-in. ¾ pans, heavy.....$12 and $15 per dozen
10-in. ¾ pans, heavy.....$24 per dozen
12-in. ¾ pans, heavy.....$4 each

NEPHROLEPIS ELEGANTISSIMA IMPROVED

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strong plants.....$6 and $9 per dozen

NEPHROLEPIS ELEGANTISSIMA COMPACTA

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape. Our stock of this variety is large and of exceptional quality.

2¼-in. pots.....$10 per 100, $90 per 1000
4-in. pots.....$25 per 100
6-in. pots .....$6 and $9 per dozen
8-in.pans .....$12 and $15 per dozen

NEPHROLEPIS SCOTTII

Our stock is in superb condition

2¼-in. pots.....$5 per 100, $45 per 1000
4-in. pots.....$15 per 100
6-in. pots.....$6 per dozen, $45 per 100
8-in. pans.....$12 per dozen
10-in. pans.....$18 per dozen
11-in. tubs, heavy.....$2 and $2.50 each

NEPHROLEPIS BOSTONIENSIS

11-in. buckets.....$3 and $3.50 each

NEPHROLEPIS GIATRASII—NEW

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.

2¼-in. pots .....$12 per 100

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots .....$4 per 100, $35 per 1000
3-in pots.....$7 per 100, $65 per 1000

ROBERT CRAIG COMPANY

49th and Market Streets, Branch: Norwood, Pa. PHILADELPHIA, PA.



Gladiolus Europa

From Moeller's.

Gladiolus Europa

Gladiolus Europa is a novelty of the Gandavensis class and is considered the finest pure white Gladiolus we now have, being in white what America is in pink. It combines all the good qualities demanded of a cut flower: a sturdy, healthy habit, with stout stems bearing as many as 24 flowers, 12 of which are often in full bloom at the same time. The flowers develop very rapidly, after the first bud has opened; they are large and shapely and are set closely in two rows along the stem, entirely covering it and unfolding to the last bud. Europa was awarded a certificate of merit at the exposition of the French National Society of Horticulture and another by the Royal Horticultural Society of London. It was originated by Wilhelm Pfitzer of Stuttgart, Germany, and will be disseminated in the Fall of 1911.—*Moeller's.*

Among the Growers

Hugo Teute, Rochester, N. Y.

This enterprising young man established himself eight years ago at his present location, and is one of the many who have made a success of their venture into the florists' business. Securing eight acres of land just outside the city, and building one small greenhouse, he has gradually added to this until at the present time about 10,000 sq. ft. of glass is devoted to the growing of Carnations, Chrysanthemums, bulbous stock, Cyclamen, Azaleas, etc., the majority of which stock is taken to the store of Geo. Boncher on Main st., who, for several years past, has handled, exclusively, all of Mr. Teute's products.

Of late years, success has been had with Jeanne Nonin, a late 'Mum, a whole house being devoted to its culture; those grown this year being exceptionally fine, and sold long before ready to cut. In Carnations, Winsor and the Enchantress trio are given prominence.

Considering that Mr. Teute had but little practical experience when he started, his success is all the more creditable. A. H. S.

THE CULTIVATION OF SISAL HEMP in German Southwest Africa is making great strides; 5000 tons were exported in 1909. According to the last census over 34,000 acres were covered in 1908 with 40,600,000 Agave plants, one-fifth of which were yielding crops, and many young plantations will become productive within the next few years. The crop is generally gathered in the third or fourth year, the full-grown leaves being picked four or five times during the harvesting season, which last fully half a year. The fleshy portion of the leaf is removed by special machines, then the fibers are dried, bleached and cleaned, and pressed into balls ready for shipping. The hemp made from these fibers is fully equal in quality to that of Manila Hemp, and although great quantities are shipped to Hamburg, they are hardly sufficient to supply the demands of the German rope walks—Der Handelsgærtner.

Obituary

Mrs. Josephine B. Deake

Mrs. Josephine B. Deake, aunt and former partner of J. W. C. Deake, formerly of Asheville, N. C., but latterly of Twin Falls, Idaho, died at Twin Falls on November 19, in the 72nd year of her age. The deceased lady was a life member of the S. A. F. & O. H., and was a conspicuous figure at the Asheville, N. C., convention, at which time J. W. C. Deake was vice-president of the Society.

Maryland State Horticultural Society's Show

The annual meeting and exhibition of the Maryland State Horticultural Society was held at the Fifth Regiment Armory in Baltimore, from Monday, November 28 to Friday, December 2.

The show was the best ever held by the Society, the attendance being extremely large. President Richard Vincent, Jr., was one of the busiest men on the floor for some time before the opening and by 10 o'clock Tuesday morning the show was complete. The local florists took a prominent part in the show and helped to make it a success. Several outoftown florists also displayed excellent flowers.

On Monday evening President Vincent gave an illustrated lecture on a trip abroad, through the bulb-growing countries.

The show itself was grand. The hall was transformed into a beautiful flower garden, a sight long to be remembered. Other societies that had space and held meetings were The Cereal and Forage Crop Breeders' Assn.; The Maryland Bee Keepers' Assn.; The Maryland State Dairymen's Assn.; The Farmers' League of Maryland; and The Maryland State Grange.

A sight that was worth seeing was the beautiful display of the Park Board, under the supervision of James Boone, a work of art; the public could hardly realize the effect of the bed was obtained with natural plants. The colors were worked out to perfection. The circular exhibit was 26 ft. in diameter, elevated on a 4½ ft. stand, 4 inches of soil being used. The bed contained 12,578 plants. Back of the circle was a group of plants arranged to suit the hall, occupying 2700 sq. ft. of space. It was the best exhibit of its kind ever staged in the hall. Starting at the base was grass sod, with Senecio border, Scottii Ferns next, followed by a handsome display of stove plants.

J. G. Harrison & Sons, Berlin, Md., made a very creditable showing of nursery stock.

Halliday Bros., Baltimore, displayed an extremely large group of Ferns.

R. Vincent, Jr., & Sons Co., White Marsh, Md., staged a pyramid of Pompon Chrysanthemums, 15 ft. high, 15 ft. square at base. The display, located in the center of the hall, was a great attraction.

John Cook of Baltimore staged a large group of decorative plants.

The J. N. Brandt Nursery Co., Upper Falls, Md., made their first exhibit of nursery stock, and it was excellent.

Robert Scott & Son, Sharon Hill, Pa., staged vases of the new Irish Rose, Melody, and their new Rose, Double Pink Killarney, both of which attracted considerable attention.

Robert L. Graham of Baltimore showed an excellent mantel decoration, of Harrisii Lilies, Maidenhair Ferns and Asparagus; and a table decoration with a centerpiece of Richmond Roses and Lily of the Valley. Banks of Palms made a background for the display.

Gude Bros. Co. of Washington, D. C., staged a huge vase of American Beauty Roses, containing 125 choice blooms, 12 vases of other Roses, and 2 vases of pink and white Sweet Peas.

In the Rose classes G. Morrison carried off two first prizes; and J. Hamilton took a first and two seconds.

In the Carnation classes four firsts fell to G. Morrison, and J. McCormick and I. H. Moss won a first each.

In the Chrysanthemum classes G. Morrison won six firsts out of the seven classes, the seventh class covering the best American seedling not disseminated, and having no entries.

M. J. Hannigan was first in the Violet class; and J. P. King first in the class for Sweet Peas.

Firsts for Begonias, specimen flowering plant other than Geraniums and Orchids, the best group of 25 flowering plants, specimen Palm, specimen ornamental foliage plant, best 12 foliage plants, and best 18 American Beauty Roses went to G. Morrison.

J. Hamilton took firsts for best Cypripedium, best 6 berried plants, best specimen Fern and best Winter window box. I. H. Moss took the honors for the best hardy plants for Winter decoration in a receptable not over 18 ins. across, and for the best display of evergreens.

The judges were G. W. Field, J. R. Freeman, and George Cooke, all of Washington, D. C.

Trade Exhibits

Griffith & Turner Co., Baltimore.—Displays of insecticides, sprayers, Grasses, Gourds, Pumpkins, choice vegetables, decorative plants: all tastefully arranged. J. L. Towner in charge.

Lord & Burnham Co., New York.—An exhibit of the Burnham boiler. D. T. Connor in charge.

H. F. Michell Co., Philadelphia.—A handsome exhibit enlivened with decorative lattice work, of bulbs and florist supplies. In the background was a large view of the Philadelphia park system. I. Rosnosky in charge.

Rawlings Implement Co.—Exhibit of poultry, beehives and spraying outfits.

Thompson Chemical Co.—Insecticides.

J. Bolgiano & Son, Baltimore.—Miniature houses standing nearly together, one showing a beautiful garden in its yard, the other just the reverse, and all calling attention to their seed business.

Baugh & Sons Co., Baltimore.—Fertilizers.

S. L. Lambord Co., Baltimore.—General line of spraying goods and insecticides, gasoline engines, etc.

The Meyer Stisser Co.—Insecticides, bulbs, poultry supplies, spray pumps.

United States Radiator Corporation.—Greenhouse boilers. J. L. T.

Verbena Hybrida Gigantea

Our illustration is that of a new giant flowered Verbena, having trusses over 4½ in. across, and now being introdnced by F. C. Heinemann of Erfurt, Germany. Mr. Heinemann claims this new Verbena to be an advance over all existing types, and that it is really in a class by itself. It contains a large percentage of red colors of various shades, such as Tyrian rose, purple garnet, Turkey red, Geranium red, bright rosy scarlet and others. When it is understood that most Verbena mixtures incline to blue shades the value of this acquisition will be readily noted. The florets are enormously large (1¼ in. diam.) and have, without exception, a large brilliant white eye, which characteristic imparts great effect to the flower.



ASCHMANN BROS. *Florists,* Philadelphia, Pa.

Second and Bristol Sts. and Rising Sun Avenue

Get Your Plants For Christmas Early, So Your Customers Can See Your Stock.

There is no present liner or one that brings more cheer to the home during the dull Winter days, than a fine foliage plant or a hamper of blooming plants, of which we have a fine assortment. Our Greenhouses are filled with the choicest of foliage and blooming plants, of medium sizes and at low prices, which will enable us to fill all orders promptly.

NEPHROLEPIS Scottii, 5½-6-in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis, 6-in. 50c.; 7-in. 75c. and $1.00 each.
NEPHROLEPIS Whitmani, 5½-6-in., 40c and 50c. each.
NEPHROLEPIS Scholzeli, 6-in., 50c. each.
4-inch pots, of all above four varieties of Ferns, $2.00 per dozen.
NEPHROLEPIS Whitmani Compacta, 5½-in. pots, 40c and 50c. each.

BEGONIA Gloire de Lorraine, the finest of all Christmas blooming plants, in 5½-inch pots, 50c. and 75c. each.

AZALEA Indica, in bloom for Christmas, fine large crowns; **Vervaeneana,** Variegated; **Simon Mardner,** pink; **Deutsche Perle,** white; $1.00 and $1.25 each.

Our Ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum, 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus Nanus. 4-in., $10.00 per 100.
PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis, 4-in., $10.00 per 100.

KENTIA Belmoreana, 4-in., fine plants, 30c. each.
COCOS Weddelliana, 3-in., strong plants, 20c. each.
ARAUCARIA EXCELSA, 3-4-5 tiers 5½-in. pots, 50c., 60c. and 75c. each; fine plants, good value for the money
FICUS ELASTICA, Rubber Plants, 5½-in. pots, 35c. and 40c. each.
SOLANUM, Jerusalem Cherries, 5½-in. pots, 25c. and 35c. each; full of large berries.

When ordering please state if you want the pots or not, as it saves forwarding charges to take them out.

CASH WITH ORDER PLEASE.

Our greenhouses are located only four miles from the center of Philadelphia (Market Street) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

FERNS

BOSTON — SCOTTII — WHITMANI

4-in. 15c., 5-in. 35c., 6-in. 50c., 7-in. 75c., 8-in. $1.00

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2¼-inch pots, $30.00 per 1000

100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $6.00 per 100, $40.00 per 1000; 150 at 1000 rates.

NEPHROLEPIS MAONIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 6 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Please mention the Exchange when writing. Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $26.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

Retail Store Notes

LAWRENCE, KANS.—George Ecke has opened a florist store at 823 Mass. st.

FINDLAY, O.—Miss Lauretta Miller is building an addition at the rear of her florist store, in which to store supplies.

STROUDSBERG, PA.—J. Howard Stone is opening a florist store in the McCormick building, near the corner of South Fifth and Main sts.

BOSTON, MASS.—The creditors of W. E. Doyle, retail florist, who lately went into bankruptcy, have accepted 30 cents on the dollar in settlement of their claims. Mr. Doyle's Boylston st. and Beacon st. stores will be operated as usual.

ELMIRA, N. Y.—Peter Makres, proprietor of the Oriental flower store at 331 East Water st., was married in New York, on Nov. 16, to Elizabeth Marangos, an Athenian young woman who traveled all the way from Greece to meet her affianced. Peter Makres came to this country from Sparta, Greece, with his brothers John and George. They worked very hard for several years and all succeeded in establishing themselves in business here in Elmira and in winning the respect of all who knew them. The Makres Brothers have a great many friends here.

SPRINGFIELD, O.—The Reeser Plant Co. has been incorporated to take over the greenhouse plant formerly conducted at the corner of Johnson ave. and Clay st. by Reeser & Youngstrand. H. Reeser, John M. Good, J. F. Busing, C. A. Schaefer, and Arthur Todd are incorporators.

CIRCLEVILLE, O.—J. J. Brehmer, the florist of North Court st., recently made big additions to his plant, requiring 15,000 sq. ft. of glass. The new buildings are uptodate and modern semi-iron construction. In the new addition is a large Carnation house 30x100 ft.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddeliana and KENTIA Belmoreana, from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN,
SHORT HILLS, N. J.

Please mention the Exchange when writing.

"The Ferns were most satisfactory, the best we have ever had."

So writes one of our customers, a man we ship to regularly.

Our Ferns Were Never Better Than They Are This Fall

ASPIDIUM, HOLLY FERNS, PTERIS WILSONI, WIMSETTI, VICTORAE, Etc.

We pack so they reach you in perfect condition, and the price is $1.00 per hundred, whether the order is for 50 or 5000. May we send you a sample shipment?

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $6.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties,** $3.00 per 100, $26.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 6 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $6.00 per dozen; 7-in., 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and Sprengeri, 2¼-in., $3.00 per 100, $26.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS—Extra Fine

Ferns from pots only and ready for immediate use. These are extra fine for store trade—perfectly clean and healthy and in excellent growing condition. A sample order will show you just what they are. No order too small for our careful attention.

Bostons, from 5 inch pots, 20 cents each
Bostons, from 6 inch pots, 40 cents each
Bostons, from 7 inch pots, 60 cents each
Whitmani, from 5 inch pots, 30 cents each
Whitmani, from 6 inch pots, 50 cents each
Whitmani, from 7 inch pots, 70 cents each

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

ASSORTED FERNS
FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100, $56.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and Forsteriana, 2¼-in., 4 leaves, $10.00 per 100.

ASPARAGUS Plumosus, 2-in., $3.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 **KENTIA Belmoreana,** in 2¼-in. pots, $55.00 per 1000.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

GERANIUMS

RICARD S. A. NUTT BUCHNER

From 2½-inch pots
Extra Fine lot of Strong, Cool-Grown Plants
$2.25 per 100, $20.00 per 1000
Order Now—Address

J. R. BROOKS

OXFORD DEPOT (Orange County), N. Y.

Please mention the Exchange when writing.

50,000 Geraniums. Not trees, but good short stocky plants cool grown. First 10,000, 2½-in. pots, to be booked for January, 1911, delivery, at **$15.00** per 1000, in lots as follows: 350 S. A. Nutt, 350 Buchner, 100 Castellane, 100 Ricard, 100 Poitevine.

Rose and Lemon Geraniums, Salvia Bonfire, Heliotropes, Swainsona Alba, Fuchsias, COLEUS Golden Bedder and Verschaffeltii. All 2½-in. pots, at **$15.00** per 1000; 250 at the above rate. Cash with order.

P. J. SCHRODER, Chapin Greenhouses, **PINE BROOK, N. J.**

Please mention the Exchange when writing.

"Lily Rash" Among Flower Pickers

Dr. David Walsh has recently made an interesting communication to the "British Medical Journal" on the subject of the so-called "Lily rash," which attacks the flower pickers of the Scilly Isles, who have to handle immense quantities of Daffodils and Narcissi during the season of gathering the blooms. These are more or less subject to an irritating eruption on the hands and arms, and sometimes also on the face. Some workers escape the rash altogether; others are attacked once only; some individuals are so susceptible that they cannot touch the flowers. The most severe ill-effects are felt when the skin of the hands is cut or abraded. Some varieties of the genus Narcissus are more powerfully irritant than others. The Daffodil known as Campanelle is the most irritant, followed by Narcissus ornatus, N. gloriosa, the Scilly white, and N. Grand Monarque; but all other kinds may produce the same effect. Messrs. Bullocks, who have examined the plant at the author's instance, have not been able to isolate the irritant substance. The expressed juice of the fresh plants, an alkaloid extracted from them, and the essential oil obtained from the essence and pomade of Jonquil, gave negative results when applied to the unbroken skin. The juice and the tincture of fresh flowers, however, caused irritation when applied to a surface abraded with a needle, and the former was specially active in this respect. The actual cause of the action is not yet explained; it has been suggested that the raphides which occur plentifully in plants of the N.O. Amaryllidaceæ may play some part. The symptoms seem to be similar to those observed in many other cases of plant rashes, especially in the immunity of some individuals and the extreme susceptibility of others.

New Orleans

Chrysanthemums have been especially fine at the Metairie Ridge Nursery Co.'s greenhouses this season; such an even crop is seldom met with; every flower was worthy of the exhibition table. Much prominence was given to the variety Elise Papworth, named after the daughter of the president of the company; this has proved to be a most desirable variety and will undoubtedly be heard from for many years to come. Probably next to this the most striking varieties were the two Eatons, magnificent flowers, finely finished. Dr. Enguehard was very fine, but Mr. Papworth thinks he will discard it after this season on account of its unreliable color which often makes it appear as if it had faded. Many of the later introductions are grown here and are proving their worth. A good collection of Pompons and Singles were also grown, but to me they have a trashy appearance as compared to the large flowering class, although I noted one of the Singles, a white flowers with a yellow center that should prove useful.

The Roses at this establishment are always worth visiting, their grower, Mr. Dressel, being a past master in the art.

A. E. Weller, who has charge of the nursery department, while out hunting recently, found a Water Hyacinth, (Pontederia crassipes) with foliage of remarkable formation; instead of being entire it is divided almost like a Fennel leaf, of course, without its lightness. On account of its cellular formation this will bring gladness to the hearts of the lovers of aquatic plants, for it is most unusual for Aquatics to make a break in this direction and, having once made a start, it may continue, after the fashion of the Boston Fern, to give us many variations.

CRESCENT CITY.

Carnation Dorothy Gordon—Orders Now Booked For More Than Fifty Thousand Rooted Cuttings



When in Philadelphia Be Sure to Look Us Up

LAST year, you remember, we told you about the great beauty and remarkable quality of our new seedling Carnation "Dorothy Gordon," which we were then introducing for the first time, after giving it a very thorough trial ourselves.

Hundreds of growers in all parts of the country became convinced of its merit, both through our advertising and by seeing the flower on exhibit at the various shows of the season, and we sold practically all the cuttings we could grow, up to April of this year.

That means that hundreds of progressive growers are going to make money this year, for we've *proved* "Dorothy Gordon" a money-maker—beyond all question the most profitable of the commercial carnations. These men are going to make money from the carnations they grow this year; now how about *you?*

Are *You* in Line for Your Share of the Profits from this Splendid Flower?

If not, you're going to miss something good this winter; but there's still a fine chance for you to "get in"—we're growing more rooted cuttings, and can fill your order, if placed at once. We have already booked orders for more than 50,000 this Fall, so it's evident that this season's business will be a close second to that of last.

Carnation "Dorothy Gordon" is a seedling of Lawson on Enchantress and is a trifle darker than Pink Enchantress. It is vigorous, notably free from disease, and bears extra-large flowers of good substance, (averaging over three inches in diameter) in great abundance on long, stiff stems. These keep unusually well, and bring much higher prices than other commercial carnations—in fact, we have regularly found that a given quantity of "Dorothy Gordon" would yield *just double* the returns that could be realized from Enchantress, which we had grown extensively before taking up "Dorothy Gordon."

We quote on rooted cuttings of "Dorothy Gordon" as follows:

$6.00 per 100; $50.00 per 1000

Orders should be placed early and will be filled in rotation. Write for particulars—or, better still, come and see "Dorothy Gordon" growing in our houses. Visitors welcome any week-day.

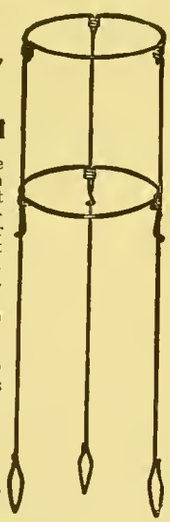
JOSEPH HEACOCK COMPANY

Headquarters for Carnation Dorothy Gordon —also Orchids, Palms, Roses

Railway Station: Jenkintown WYNCOTE, PENNA.

Please mention the Exchange when writing.

THE
MODEL
Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.

93-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

GERANIUMS
Rooted Cuttings

Nutt, Buchner, Vlaud, Doyle, Jaulin and Grant, $10.00 per 1000. Ricard, Poitevine and Castellane, $12.00 per 1000. Cash with order.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Your Money is well spent when you Advertise in THE FLORISTS' EXCHANGE

GERANIUMS
and ROOTED CUTTINGS

S. A. Nutt, Ricard, Buchner, $10.00 per 1000. All booked until late December.

COLEUS, rooted cuttings, fine clean stock, $1.00 per 100; transplanted, $6.00 per 1000. **Verschaffeltii and Victoria** only.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.
Terms cash.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums
ROOTED CUTTINGS READY FOR SHIPMENT

10,000 MADAME BUCHNER
8,000 S. A. NUTT, $10.00 per 1000
Cash with order

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings
Best Standard Varieties Mixed

$1.25 per 100. **$10.00** per 1000

FLORAL HILL GARDENS, G. F. Nelpp, Proprietor **CHATHAM, N. J.**

Please mention the Exchange when writing.

S. A. Nutt Geranium Cuttings
Especially fine; $1.50 per 100, $12.00 per 1000.
GEORGE B. HART, 24 Stone Street, Rochester, N. Y.

Please mention the Exchange when writing.

DON'T GET LEFT
Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, **$2.00 per 100; Rooted Cuttings** of the same, **$6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.**

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, **$5.00 per 100;** 4-in. pots, **$6.00 per 100.**

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS

S. A. Nutt ..... $11.50 per 1000
Ricard and Poitevine ..... 14.00 per 1000

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order, or send ten cents for samples.

COLEUS

Verschaffeltii & Golden Bedder. $6.00 per 1000
Standards, in assortment ..... 5.00 per 1000
Giant-leaved, the best collection in the country, at $1.25 per 100 or $10.00 per 1000.

Cuttings will be well rooted, of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms Cash.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

FINE 2-INCH STOCK, 25,000 S. A. Nutt, at $2.00 per 100; $18.50 per 1000. Cash with order. Send for catalogue of standard sorts and Novelties.

A. D. ROOT, Wooster, Ohio.

Please mention the Exchange when writing.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st. The color is the clear, deep pink so much in demand.

Rooted Cuttings ready December 15th.
$6.00 per 100, $50.00 per 1000.

ALMA WARD **Rooted Cuttings ready December 15th.**
$7.50 per 100. $60.00 per 1000.

OTHER VARIETIES, Rooted Cuttings, Ready January 1st.

Pink Delight, $6.00 per 100, $50.00 per 1000.
Beacon, $4.00 per 100, $30.00 per 1000.
Winsor, $4.00 per 100, $30.00 per 1000.
Enchantress, $4.00 per 100, $30.00 per 1000.

Cottage Gardens Co. Inc. Queens, Long Island, New York

Please mention the Exchange when writing.



WASHINGTON

Dark Pink Sport of Enchantress

The Winner of First Prize in every competition at Chicago and Minneapolis Flower Shows. The only satisfactory Dark Pink Carnation on the market: one we all know is all right. Invest your money in a variety that you know pays you to grow. Washington is a sport from the original Enchantress, the same color as Lawson. You know it is all right—why not place your order now?

Rooted cuttings guaranteed safistactory in every way.

January delivery.

$10.00 per 100; $20.00 per 250; $75.00 per 1000

CHICAGO CARNATION CO.

A. T. PYFER, Manager

35-37 Randolph St,, CHICAGO, ILL.

Please mention the Exchange when writing.

NEW CARNATION

"Princess Charming"

Certificates 1909, Pittsburgh, Baltimore New York and Madison, N. J.

Enchantress color, longer and stiffer stem, stronger and harder calyx, remarkable lasting and shipping qualities; as much ahead of Enchantress as Enchantress was of Daybreak

See it grow at Chas. H. Totty's, Madison, N. J., Chicago Carnation Co. and at our own place.

$12.00 per 100, $100.00 per 1000
January delivery. 250 at 1000 rate.

Descriptive Lists, in color, free on request.

"Christmas Cheer"

The Scarlet Pot-Carnation
$15.00 per 100, $125.00 per 1000.
February Delivery

H. EICHHOLZ

Originator
WAYNESBORO, PA.

SHASTA

For best results plant our White Carnation Shasta. It is undoubtedly the Freest Carnation on the market today.

Strong, well-rooted, cuttings ready for January.

$6.00 per 100 $50.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings
All the Leading Varieties
Ready January 1st

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertistng for this great Business Bringing Issue is solicited.
Forms close Wednesday, Dec. 7, first mail.

Carnation Cuttings

January and later delivery

	100	1000
Pink Delight	$6.00	$50.00
Mrs. C. W. Ward	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
Admiration	6.00	50.00
Pure White Enchantress	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Winona	2.50	20.00
Beacon	2.50	20.00

WHITE BROTHERS, Gasport, N. Y.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By young man of good character as florist assistant; greenhouse experience. Address, S. D., care The Florists' Exchange.

SITUATION WANTED—As decorator; good at table designs and general florist work. Single, 34, neat appearance. Address, Kaye, 1 Livingston Ave., Yonkers, N. Y.

SITUATION WANTED—By florist, first-class grower of cut flowers and pot plants, also Perennial Stock; maker-up. Address, S. G., care The Florists' Exchange.

SITUATION WANTED—By a practical gardener with 23 years' experience on gentleman's private place. Good knowledge of landscape work. Address, R. Foster, 65 Borden St., Red Bank, N. J.

SITUATION WANTED—As foreman by experienced grower of cut flowers, decorative and bedding plants; experience in cut flower designing and decorating. References. Address, S. H., care The Florists' Exchange.

SITUATION WANTED—By first-class Rose and Carnation grower, German, 44, life experience, A-1 references; for many years in charge of places; strictly temperate. Open for engagement. Address, Box 290, Berlin, N. Y.

SITUATION WANTED—By all-around man, good grower and designer on a place where faithful service and honesty will be appreciated; capable of taking charge. Address, stating wages and full particulars, S. B., care The Florists' Exchange.

SITUATION WANTED—By German, 37, single, 23 years' experience, good grower of Carnations, Roses, 'Mums, Violets, Easter and Spring Stock. Able to take charge. Address, S. Z., care of Hanlon, 187 East Main St., Waterbury, Conn.

SITUATION WANTED—By a thoroughly experienced florist and gardener, German, 41, married, one child; 26 years' experience. Able to handle men to good advantage; well recommended. Address R. D., care The Florists' Exchange.

SITUATION WANTED—By young man, 25, American, in greenhouses. Advertiser would like to learn plant growing; willing worker. Best of references can be furnished. New York City, Albany, N. Y., or Boston, Mass., vicinity preferred. Address, S. L., care The Florists' Exchange.

SITUATION WANTED—Hustling, all-around grower of Beauties, Teas, Carnations, general stock, Perennials, nursery stock. Rose grafter; nineteen years' experience; abstainer; married; references. Good wages expected. State full particulars. Address S. F., care The Florists' Exchange.

SITUATION WANTED—By a thoroughly experienced florist and gardener, Scotchman, middle-aged, on private place. Life experience in Scotland and America. Address Q. H., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober, good worker. A first-class all-around man, 25 years' experience in growing Roses, Carnations and Chrysanthemums; a good maker-up. First-class references from former and last employer. Please state particulars and wages in first letter. Address, A. R., care Mr. Blasberg, 2155 Seventh Ave., New York City.

A CAPABLE SEEDSMAN

with wholesale and retail experience, wishes a position. Much counter and road experience in selling vegetable and flower seeds and bulbs. Advertiser understands inside store work to detail and is capable of taking charge of a department. Address "SEEDS," care The Florists' Exchange.

HELP WANTED

WANTED—Decorator who can assist in store and make up funeral pieces. Address, S. E., care The Florists' Exchange.

WANTED—A sober, industrious man on 'Mums, Carnations and bedding stock; wages $12.00 per week. Address, S. K., care The Florists' Exchange.

WANTED—Experienced greenhouse man. Must be a good propagator and temperate. Apply to A. N. Kinney, West 198th St. and Ft. Washington Ave., New York City.

WANTED AT ONCE—First-class store salesman, designer and decorator. New store. Write, stating wages expected, reference and experience, S. C., care The Florists' Exchange.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—Night fireman for steam plant, hours 6 to 6, to work with an assistant who takes care of temperature in houses. Wages, $60 per month. None but an experienced man wanted. Apply with references, Q. N., care The Florists' Exchange.

HELP WANTED—Fireman, experienced in greenhouse heating, on modern range embracing 100,000 feet of glass. State experience, references and wages expected. Address R. A., care The Florists' Exchange.

WANTED—By large commercial place in the East, a thoroughly experienced man for making up of funeral work and attending to customers of a general retail trade. Must also understand the shipping of cut blooms to the wholesale markets. One with thorough experience and capable of taking charge of packing room and designing may have a steady position with proper pay. Reply with references to S. I., care The Florists' Exchange.

WANTED—Packer and Shipper for large commercial place. Must be thoroughly familiar with the grading, packing and shipping of cut flowers. State wages and send copy of references. X. Y. Z., care The Florists' Exchange.

Superintendent Wanted

Steady, reliable, thoroughly competent man, capable of taking entire charge of greenhouses, garden, grounds, stable, furnace, etc. Willing to work himself and assume responsibility for assistants. Only man with present employment desiring to better himself desired. Good wages to right party. Address, giving present employment, S. A., care The Florists' Exchange.

BULB AGENT WANTED

One of the best Dutch Bulb Growers, who has very large cultures, particularly in the finest qualities of Hyacinths, Early and Darwin Tulips, etc., wishes to secure the services of a First-Class Representative for the United States and Canada. Will engage a reliable representative on a mutual satisfactory commission basis.

All applicants must possess a good acquaintance with the large purchasers of bulbs. Kindly apply, writing fully, to

S. M. Care The Florists' Exchange

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS: Golden Chadwick, W. H. Chadwick, Maud Dean, Nagoya, Mrs. Clay Frick, 75 cents per doz., $4.00 per hundred. Cash with order, please. Julius B. Arndt, 224th St. & 1st Ave., Williamsbridge, New York City.

CHRYSANTHEMUM STOCK PLANTS—Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $25.00 per 1000. Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Neil, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry II, Sunderbruch, 50c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

CHRYSANTHEMUM STOCK PLANTS.—White: Early Snow, Polly Rose, G. S. Kalb, Touset, Poehlmann, Ivory, White Cloud, Eaton, Baby Marguerite. Pink: Pacific Supreme, Rosiere, Shaw, Gloria, Liger, Duckham, Dean, etc. Red: Shrimpton and Cullingfordii. Yellow: Golden Glow, Monrovia, Geo. Pitcher, Eaton, Appleton, Golden Eagle, Golden Wedding, Nagoya, Rieman, etc. 50c. per doz.; $4.00 per 100. President Taft, Golden King, Mrs. Kelley, Golden Dome, 75c. per doz.; $6.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

MISCELLANEOUS

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

STOCK FOR SALE—Chinese Primroses, 4 in., 10c.; Primulas, 4 in., 10c.; in bloom; fine for Christmas. Cyclamen, 4 in., healthy stock, in bud and bloom, 10c. Cash, please. F. B. Rine, Riverview Greenhouses, Lewisburg, Pa.

SWEET PEAS—Strong plants, from 3-in. pots: Christmas Flowering, Spencer and other good forcing varieties, in Pink, White and Lavender, 75c. per doz., $5.00 per 100. Forwarded from Hartford. W. H. Atkins, Burnside, Conn.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piersoni, 5 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

CHRYSANTHEMUM STOCK PLANTS.

Golden Glow, Pacific Supreme, Bonnaffon, Klondyke, Chadwick, Wanamaker, $2.00 per hundred; Asparagus Sprengeri 2½-in. $3.00; Dracaena Indivisa 2-in. $2.00. Richard H. Kidder, 1023 University Ave., Rochester, N. Y.

STRONG FIELD GROWN CARNATION PLANTS.

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

CHRISTMAS PEPPERS.—12 to 20-in. across, 12 to 20 in. high, 75c. to $2.00; fruited plants, in fine shape for Christmas, 5 and 6-in. pots, 15c. Jerusalem Cherries, 10 to 15 in. high, 10 to 15 in. across, 75c. to $3.00; fruited plants, 6-in. pots, 15c. Cash, please. F. B. Rine, Riverview Greenhouses, Lewisburg, Pa.

STOCK FOR SALE—Candytuft, hardy white, 4-year-old clumps, $8.00 per 100. Yellow German Iris, Purple Iris (Sibirica), $8.00 per 1000. 2-year-old Pink Peonies, Chinensis, $8.00 per 100; 4-year-old pink and white Peonies, Chinensis, $12.00 per 100. Cash, please. A. F. Johnson, Springfield Garden, L. I.

PAPER WHITE NARCISSUS, 14 ctm. up, $7.00 per 1000. CHINESE SACRED LILY, Choice Bulbs, $2.85 per mat of 120 bulbs. Special to close out surplus. Order quick. FORD SEED CO. Ravenna, O.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

Continued to next Column.

STOCK FOR SALE

MISCELLANEOUS

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country. Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 80 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

JERUSALEM CHERRIES—The dwarf variety, fine plants and full of berries; 4-in., 15c.; 5-in., 25c.; 6-in., 35c.

HYDRANGEA OTAKSA—Pot-grown, 5-in. ready for 7-in., with 4 to 7 flowering shoots, 15c. to 20c.; 4-in., 3 to 5 shoots, 10c.

HYDRANGEA—Thomas Hogg, pure white, resembling snowball, fine bushy plants, 5-in., 15c.; 4-in., 10c.

BEGONIA LORRAINE—Nice, clean stock, 6-in., 75c.; 5-in., 50c.

POINSETTIAS—5-in., 25c. to 35c. each; 4-in., 15c.

SWAINSONA ALBA—Heavy plants in bud, 4-in. 10c.

FERNS—For Fern dishes, $3.00 per 100. Asparagus Sprengeri, 4-in., 10c.

Also a fine lot of Primula Obconica and Chinese in 4-in. pots, just budding, at 12½c. Cash with order, or will exchange for few thousand Nutt, Ricard and Poitevine Geraniums.

JOS. J. SOKOL,
Westville, New Haven, Conn.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

WANTED—Primula Veris Superba, Field Plants, Iris Germanica, Queen of May, Violets, Double English, Hardy Moon Vines (Ipomea Pandurata.) Palisades Nurseries, Sparkill, N. Y.

WANTED—About 200 Oriental Planes and 12 Norway Maples. Address J. B. FARNAN, 37 Lombardy Street, Newark, N. J.

FOR SALE OR RENT

FOR SALE OR LEASE—Greenhouses, 20,000 ft., and dwelling house, office, barn; good paying business. P. O. Box 545, Riverhead, New York.

FOR SALE—Cheap, greenhouse, 20x50, 9-room dwelling, all new; 20 miles from Philadelphia. City and spring water, boating and fishing. Fine for water gardening. Only florist in town. For particulars write to H. E. West, Swedesboro, N. J.

Business For Sale

Must be sold before January, 1911.

A growing wholesale and retail seed business in a city of 70,000 population. Terms to suit purchaser. Address P. O. Box 137, Utica, N. Y.

AUCTION SALE OF GREENHOUSE PROPERTY

Six large new greenhouses and 13 acres of land located on the line of The Lake Shore Electric Railroad Company and on the Maumee and Western Reserve Turnpike in Clyde, Sandusky County, Ohio. Double strength glass, 600 Garland Gutters with iron supports, 50 horse power Boiler, 350-bbl. Cistern, good stock of plants and flowers, in all respects a most desirable property. Situated in a prosperous and growing town of over 3000 people, cause of sale dissolution of partnership. Entire stock and plant to be sold together between the hours of 1 and 2 o'clock P. M., Dec. 20, 1910, on the premises to the highest cash bidder. Address, Miller & Arlin, Clyde, Ohio.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

F. E.—Best Advertising Medium

SUNDRIES FOR SALE

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Display Ice Box, Oak, in first-class condition; 8 ft. high, 8 ft. long, 2 ft. deep—a bargain for a quick buyer. Cost $400. The Farm & Garden, 259 Market St., Newark, N. J.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

AUTOMOBILISTS, ATTENTION — Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 600 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.
I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—One new 5-section Metropolitan water boiler, guaranteed to heat 4,000 sq. ft. of glass, $100.00.
One new 5-section, guaranteed to heat 5,000 sq. ft. of glass, $118.00.
One new 18-in. round boiler (water) guaranteed to heat 1,500 sq. ft. of glass, $43.00.
One new 25-in. round water boiler, guaranteed to heat 3,000 sq. ft. of glass, $83.00.
1500 ft. brand new standard commercial black steam pipe at 8c. per ft., all threaded and coupled.
New 10x12 double-thick glass at $1.90 per box; 16x12 double-thick glass at $2.40 per box.
New ventilating apparatus at $23.00 per 100 ft., complete.
METROPOLITAN MATERIAL CO.,
1400 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED—Smoke-stack, 25 to 40 feet, iron or tile. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO RENT—With privilege of buying, about 10,000 feet of glass; must be in good condition. Want to take possession May 1, 1911. Address R. E., care The Florists' Exchange.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.
50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.
5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.
25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 5c. per ft.
All the above pipe is guaranteed free from holes and splits, and in good condition.
All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first-class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 418-414 Hayward Bldg **Rochester, N. Y.**

Please mention the Exchange when writing.



Elberon (N. J.) Hort. Society

A regular monthly meeting of the Elberon Horticultural Society was held on Nov. 22. This being the beginning of the society's new year, the installation of officers took place. In the absence of the President-elect, Jas. Kennedy, Vice-President-elect, C. O. Duncan filled the chair, and after a few complimentary remarks proceeded to business. The Rickards Bros. cup for the greatest number of points for the year was awarded to A. Bauer.

WM. R. SEYMOUR, Rec. Sec.

Zanesville (O.) Florists' Club

The second monthly meeting of this Club was held at the greenhouses and residence of Geo. W. Caton & Son, on Thursday, Nov. 17. Five new names were added to the membership roll. The meeting was called to order by President J. T. Goodlive and, after the regular business of the Club had been transacted, the members held a discussion on plants and cut flowers until luncheon was served. All expressed themselves as being well satisfied with the progress of the Club.

G. E. CATON.

Tarrytown (N. Y.) Hort. Society.

A regular meeting of this Society was held in the Society's rooms on November 25. The secretary read a report of the November show, which was very satisfactory. The number of entries was considerably larger than in former years, and in spite of the inclement weather on the last day the attendance was quite up to the average. The following honorary members were elected: Mrs. Stuyvesant Fish, Garrison, N. Y.; Robt. Clowry, Tarrytown, N. Y., and Frank A. Vanderlip, Scarborough, N. Y. Regular members elected were: Wm. Marver, Larchmont, N. Y.; Henry Wagner, Tarrytown, N. Y.; Wm. Brock, Tuxedo, N. Y.; and Jas. Corrigan, Mamaroneck, N. Y. Several names were proposed to be acted on at the next meeting. The prize for this month for the best six Roses, any one variety other than American Beauty, was won by James Stuart, gdr. to Mrs. F. A. Constable, Mamaroneck, N. Y., with a splendid vase of Pink Killarney. Wm. Roberts, gdr. to Frederick Potter, Ossining, N. Y., was awarded a first class certificate for a scarlet seeding Carnation. Nominations for officers for the ensuing year were made, and committees appointed to arrange for the annual dinner and to make inquiries regarding a hall for the next Fall exhibition. The election of officers takes place at the December meeting.

WILLIAM SCOTT, Cor Sec.

Hartford, Conn.

On the evening of Nov. 25 the Conn. Hort. Society held a meeting at its rooms in the County Building and completed arrangements to have John T. Withers give his illustrated lecture on a trip around the world, on Dec. 2. This lecture will be well worth seeing and hearing, for one will appreciate the different flowers and plants and the many ways they are grown.

The president, Mr. Huss, gave a talk on plants in general, of which a fine assortment had been brought in especially for the meeting.

Wm. B. May, formerly superintendent of the greenhouses and grounds of J. J. Goodwin, has entered the Old Folks' Home on Jefferson st., after 40 years of service. He is still quite spry and goes up town every day. His eyes are better since he had an operation for cataracts.

J. F. Coombs entertained fourteen at his bungalow at Rainbow, Sunday, all married couples.

The Whiting greenhouses at West Hartford have had installed an electric Newell pump to supply their houses with liquid manure, thus doing away with storage tanks; it is a complete system in itself as it takes the liquid manure from the source of supply and delivers it directly into the pipe line at high pressure, a vast improvement over the old way.

Theo. Wirtz, former assistant superintendent of public parks of Hartford, but now superintendent of parks at Minneapolis, Minn., was a visitor in Hartford the past week, one of a commission to look into good roads, the building of same, and materials that will stand the increasing traffic of automobiles on public roads and parkways.

The florists all report good trade and extra fine stock for Thanksgiving Day. 'Mums, Carnations and Roses all went at good prices. It was feared that stock would run short, but the growers "woke up" and surprised the retailers with plenty of good material. Everyone was sold out clean; plenty of funeral work was thrown in, which always is sure to come along on a day like this.

Gams Wm. McClunie, 16 Church st., had an especially fine showing; his very pretty store was full to overflowing with 'Mums and Carnations, potted plants and Palms. He reported all cleaned out, and the store looked it the day following. G. W. is one of the old timers, having been born in the business, and in business for himself since 1870.

John Coombs last week had decorations for two pretty coming-out parties, one was especially good. The reception room in which the débutante received was curtained off with A. plumosus and Am. Beauty Roses; the mantel was banked with Adiantum Ferns and Richmond Roses. The hall mantel was decorated with Ferns and yellow 'Mums; the hall with wild Smilax; the dining room with Smilax and Am. Beauty; the music room with Smilax and pink Killarney Roses. The *tout ensemble* was very pleasing and a great credit to the artist.

Page Potter, who started a store last Spring in the L. F. Fann Co.'s store, is now situated at 236 Main st.

John O'Neil, of Farmington ave., has his new greenhouse built and stocked with Palms, Ferns, etc. He is in a good location for the Hill trade.

Geo. G. McClunie is always busy with funeral work of which he makes a specialty; this past week he worked night and day to get his orders out and says there are more coming. G. G. MAC.

Catalogs Received

W. A. BURPEE & CO., Philadelphia, Pa.—Advance Wholesale Prices for 1911 for the Trade Only.

C. C. MORSE & CO., San Francisco, Cal.—Sweet Pea Novelties for 1911 Catalogs, giving descriptions of varieties and illustrating types, all for use by catalog makers.

ROBERT CRAIG CO., Philadelphia, Pa.—Christmas 1910 Price List of the Craig Specialties. This catalog is compiled expressly for purchasers of Christmas stock, and will be found a desirable possession.

JOHN BREITMEYER'S SONS, Detroit, Mich.—We are in receipt of a handsome little brochure, entitled "The House of Flowers," from this well-known retail firm. It is handsomely illustrated with suggestions for decorations for various purposes, and is of just such a character as would entitle it to be called a first-class advertising medium for circulation among retail customers.

RICHARD VINCENT, JR., & SONS CO., White Marsh, Md.—Vincent's Geraniums, 1911.—Many beautiful catalogs reach the editor's desk during the year, but we seldom see a Trade List as artistic in design and perfect in execution as the one under review. The Geranium, as nearly all know, has been a specialty with this house for many years so, needless to say, they list practically all varieties worth growing. Extensive collections are also offered of all the leading European raisers. The cover is simple, yet solid, indicative of the firm's business standing; the lettering and design thereon being printed in gold and black, embossed on a deep green cover stock. The illustrations throughout the book are in black and green, and most effective. The Vincent firm deserve high praise in their efforts to raise the standing of the Geranium, and the A. T. De La Mare Printing and Publishing Co., who designed and printed the work, are entitled to commendation.

LOWELLVILLE, O.—R. J. Erskine & Son, who operate a large greenhouse plant here, have applied for a charter of incorporation.

AUBURNDALE, MASS.—Wm. A. Riggs has purchased the greenhouse business formerly conducted by J. B. Forbes on Freeman st.

DES MOINES, IA.—Fire destroyed the home of Alfred G. Lozier, florist, at 3100 Easton blvd., on November 19. The loss is only partly covered by insurance.

MT. VERNON, IA.—A. C. Cowen is making plans to rebuild his greenhouse, which burned recently, next Spring. The plans cover a house 36 by 100 ft., steel and concrete construction.

Palm Seeds Just Arrived

	Per 1000 Seeds
Areca Lutescens	$8.00
Kentia Belmoreana	6.00
Kentia Forsteriana	7.00
Pandanus Utilis	8.00

My catalogue will guide you through reliable Florists' Flower Seeds. It's free.

O. V. ZANGEN Seedsman Hoboken, N. J.

Please mention the Exchange when writing.

SEEDS—SEEDS

Fresh Reliable

"For Early Sowing"

	Tr. pkt.	Oz.
Salvia Clara Bedman—"Bonfire"	$0.25	$2.25
Salvia Splendens	.15	1.00
Verbena, S. & I. Choice Mammoth Mixed	.25	1.50
Verbena S. & I. Choice Mammoth Separate Colors	.25	1.25
Lobelia, Crystal Palace Compacta	.25	
Lobelia, Speciosa (Trailing)	.15	
Begonia, Vernon, 1/15 oz. 50c.	.25	
Begonia, Luminosa. Fiery dark scarlet	.40	
Petunia, Giants of California, 1/15 oz. $2.00	.50	

Asters (Vick & Hill grown), see Catalogue

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.
SEND FOR OUR NEW CATALOGUE

Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. MONOGRAM XMAS STATIONERY, three initials, if wanted, 50c. box. General printing. Samples free.

FRED. A. SOTTER, Douglassville, Pa Box 86L

Please mention the Exchange when writing.

The CHRYSANTHEMUM

By A. Herrington

A complete and comprehensive work on the cultivation of the Chrysanthemum.
Handsomely illustrated, 188 pages, 5 x 7 inches. Price only 50 cents, postpaid.

A. T. DE LA MARE PTG. & PUB. CO., LTD.
P. O. Box 1697 - NEW YORK

Please mention the Exchange when writing.

NOTICE!

The Express Drivers' Strike is now a thing of the past. Have your mind on business now. Be wide awake, and

Prepare For The Holidays

It won't pay to leave others get ahead of you. Don't look as to what is behind you; go straight forward. Make a break for Godfrey Aschmann's greenhouses, to the old reliable firm who always looks after your interests and protects the trade. We have no department stores for our customers.

We Sell Only to the Trade

If you have room, now is the time to purchase your supply, while the weather is mild and shipments can be made more safely, and while we have a big stock at bargain prices.



HOUSE OF ARAUCARIAS

LEADER IN FERNS

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer, 6½, 6, 7 in. pots at 40c., 60c., 75c. to $1.00 each; as big as a bushel basket for $1.25. 1 doz. or over, same rates.

LEADER IN AZALEA INDICA

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

WE LEAD YOU INTO WEALTH

AZALEA INDICA

Already forced for Christmas

All showing color and stored away in colder houses to harden off.

Remember, for Christmas forcing we must select only the healthiest plants. Small, weak, sickly looking plants won't force successfully for Christmas. Have only large plants.

DEUTSCHE PERLE (double white), **SIMON MARDNER** (double pink), **VERVAENEANA** (double rose variegated), price 75c., $1.00, $1.25, $1.50 to $2.00. Don't order many at 75c.; we haven't got them; larger sizes must accompany the order. **MME. PETRICH,** very scarce in Europe this year; early light pink, 75c., $1.00, $1.25 to $1.50.

EASTER VARIETIES

NIOBE (double white), 65c. and 75c. **SHREVERIANA,** double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00 **MME. VAN DER CRUYSSEN,** best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA,** and **EMPRESS OF INDIA,** double variegated, well known varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER,** 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS,** only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA,** white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN,** $1.00, $1.25 to $1.50.

(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 12c. to 15c.

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached the top of the pole, and there we are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES.

LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 60c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you the best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA,** a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 46 in. high, 35c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each; 4-in., 20 in. high, 20c. to 25c. Combination Plants, 6-7 in. pots, three plants in a pot, 25 to 30 in. high, $1.25; 30 to 35 in. high, $1.50.

COCOS Weddelliana, 12 to 16 in. high, 15c., 20c., 25c.

POINSETTIAS, 4-in., 25c.

BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.

ASPARAGUS Plumosus Nanus, 2½-in., as big as 3-in., $5.00 per 100.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 6½, 6 and 7 in. pots, 35c., 40c., 60c., 75c. each. Special to close out; **Whitmani and Scottii,** 4-in., 15c.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

NEPHROLEPIS Gintzaii. This is a new Fern, resembling the Scottii, only shorter and bushier, 6¼-in. pots, 40c., 50c.; 3-in. 25c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100.

ADIANTUM Hybridum, 2½-in. 5c.; 3-in., 8c.; 4-in., 10c.; 6-in. pans (3 plants) 25c. per pan

CINERARIA Hybridum, 2-in. pots, $2.00 per 100.

CYCLAMEN Giganteum, 4-in., 15c.; 5-in., 20c.

PRIMULA Chinensis, John Rupp's strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.; 6-in., in bloom, 25c. to 25c.

FICUS Elastica, 5¼, 5½ to 6-in. pots, 25c. 40c., 50c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.

HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Easter.

JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.

DRACAENA Brusati, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 35 in. high, 50c.

LATANIA Borbonica, 6-7 in. pots, 20, 35, 40 in. high, 50c., 75c. to $1.00.

SHASTA DAISIES (pure white), 2½ in. pots, $3.00 per 100.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

F. E. BEST ADVERTISING MEDIUM

—ALIVE AND UP-TO-DATE

The Week's Work

BY

FRITZ BAHR

Daffodils

Get Ready With the Stock Intended for Early Flowering

The first week in December is not too soon to bring in a good number of Daffodil flats. If the bulbs were planted the latter part of September or early in October they have by this time covered the soil with roots and will be ready to begin growth above. The middle, and towards the end of January is about as early as you can get the double Von Sions into bloom, plants with good stems and flowers, both of which qualities are necessary in order to realize a profit. While you wouldn't necessarily expose the freshly brought in flats to a high temperature, by placing them below a Rose or Carnation bench from now until the last week of the month you will still gain a good deal, for the plants will make more headway there than is possible out of doors—but dont try to force any of them unless you are certain that they are sufficiently rooted. If the stock has been kept moist all the early planted bulbs should be first class, but if they did not get all the water they needed you might find only a few roots, and if this is the case they are not fit to be brought into strong heat. Let them remain under a bench in a cool house, and with proper attention paid to them there they will be ready for later forcing. While the Von Sions do not need to go out of doors at all, and go through frosty weather like a Dutch Hyacinth or Tulips, most growers have the flats outdoors—to save room for one thing; but it is a good idea to get in a good supply now, and have them on hand when wanted.

The Violets

The Middle West in Need of More Fresh Violets

Good Violets went up to $2 in the Chicago market for Thanksgiving, and that price was not only paid for the few double ones grown near the home market but it seemed there were people at the last minute willing to pay it for Eastern stock, which reaches us with little odor to it. The fact is, that many times when the out of town florist gets this stock the odor is anything but pleasant when the box is opened, no matter how good the flowers may look. We can't all grow violets, that wouldn't do; but the double varieties can be grown here, in fact are grown and are of excellent quality—but there aren't enough of them. If any grower is looking for an opening, here is plenty of room and a great future for good Violet growers, still with room for the Eastern stock. There hasn't been an overproduction in any line whenever the stock is well grown. Throughout the great middle West, anything good always finds a buyer willing to pay a fair price for it. Weather conditions may, of course, cause trouble in the market, but I am sure better prices than ever are realized for flowers; and while great acreages of additional glass are going up right along to grow more Roses and Carnations, little headway is being made with the Violet. Twenty years ago the growing of the Violets was in the hands of a few men; it was considered a great secret to be successful with them around New York. But conditions soon changed, and for years Violets from along the Hudson found their way into every one of the great markets one thousand miles and over away from home, and there is nothing unusual about it—to have them come to Chicago, only to be reshipped as far as New Orleans and even farther. We are getting along all right just as it is, some one says; that is all true, but we could get along far better and could sell three times as many Violets if the flowers would reach the customer with the odor for which they have a world wide reputation, and in order to do this we must have fresh picked stock and such will have to be grown nearer home; and, as stated above, there will still be room for the other.

Christmas Preparations

Storing Holly, Boxwood and Other Greens

What I want to speak of now on this important subject is the "green" and Holly question. Where many small growers are sadly handicapped is in the lack of proper facilities for storing such material as Holly bouquet green, Leucothoe sprays, Galax, Boxwood, and even Fern leaves. The ideal place to store any of these valuable greens, so called, is a deep coldframe or dugout frame, one that can be made practically frostproof by the proper banking of

(*Continued on page 1038*)

GEORGE C. SIEBRECHT WALTER R. SIEBRECHT

Announcement

SIEBRECHT & SIEBRECHT

WHOLESALE FLORISTS

136 West 28th Street, New York

Our sources of supply in Cut Flowers and Decorative Plants are inexhaustible. The best Valley, Orchids, Roses and Carnations to be found in the New York market. Everything for the Retail Florist. Prompt Shipments. No Disappointments.

Please mention the Exchange when writing.



NEW YORK, Nov. 30.—The cut flower market today is inactive, and prices are sliding down hill. The reaction after Thanksgiving week has set in and there is nothing in sight to stimulate buying. There is nothing like a deluge of stocks arriving, therefore the sluggish condition of the market is attributable to the small demand.

American Beauty Roses are coming in only in moderate numbers, which clean up indifferently well; 35c. each is about the price limit for Specials, and many go to the buyer for 25c. or even less. All other kinds of Roses today seem to be accumulating, not because of a large supply, but on account of the small demand. A few choice Killarney find a buyer at 8c. each, but 6c. for the most part is the limit price. Choice My Marylands realize as high as 8c. each, and Richmond of the same grade 12c. each; top grade Bride and Bridesmaid 5c. to 10c. each. The quality of the above mentioned Roses is good, and in anything like an active market would command a much higher price.

Carnations are not over plentiful, but the supply exceeds the demand. A few choice novelties sell at from 5c. to 6c. each, but in general very few top grade blooms sell for more than 4c. each, and the inferior grades fetch no more than 2c. each.

In regard to the Orchid situation, Cattleyas are still scarce. C. labiata is nearly over with and C. Trianæ is on the increase. The choicest Cattleyas today bring $1 each, Dendrobium Formosum 40c. each, and Cypripediums $1.50 per doz., and the choice of the lot sometimes as high as $2 per doz. Gardenias are meeting with increasing favor, and with their improved quality the choicest blooms realize $4 per doz., and the lowest grade no more than $6 per 100. The supply of Lilies is increasing, and they are moving at about the same pace as other stocks. For the most part 8c. each is the limit price, but a few are said to realize 10c. each. There is now a steady arrival of Lilium rubrum, which is selling at $5 to $6 per 100 for long-stemmed and at $3 to $4 per 100 for short-stemmed blooms. Lily of the Valley is not over plentiful. It feels, however, to some degree, the general sluggishness of the market. The top price for choice stock is $4 per 100, and more sales are at from $2 to $3 per 100.

Chrysanthemums, both large and small, are decidedly on the wane. White is the prevailing color of those now arriving. The range of price is from 50c. to $3 per doz. A few very choice blooms command a somewhat higher price. On the other hand, not many sell higher than $2 per dozen.

Violets are not overabundant, but they are moving very slowly, and the choicest blooms are selling for 75c. per 100.

In miscellaneous stocks there are white Roman Hyacinths, which find small favor with buyers, Bouvardia and Paperwhite Narcissus, which move better than Hyacinths, Daisies, Sweet Peas, and Mignonette, which move along steadily, and a deluge of Stevia which cannot be cleaned up.

Of Greens, the only item which is moving at all well is Asparagus plumosus, and Sprengeri. Adiantum and Smilax accumulate so heavily that the handlers of these stocks are perplexed to know what to do with them.

PHILADELPHIA, Nov. 28.—After a Thanksgiving week, during which both the volume of business and the prices were quite satisfactory, the cut flower market today is moderately active but there is no rush, either in local or shipping business.

The medium and lower grades of Roses are moved more easily than the higher grades, though the shipping trade helps move the latter. American Beauty is arriving in considerable numbers, and many of excellent quality are seen. The demand is sufficient to keep them moving nicely, except for a little lagging in the specials and extras. The supply of all other Roses is moderate, and just as in the case of American Beauty, the medium and lower grade blooms find most favor with buyers. There is a marked improvement in quality and some splendid blooms of Killarney, My Maryland and Richmond are seen, with stems two to three feet long. Bride and Bridesmaid, too, are improving, but they will need to receive good attention from the growers to enable them to maintain their places among Roses. The prices are as follows: American Beauty specials, 35c. to 40c. each; culls and ordinaries, 6c. to 10c. each; the choicest blooms of Killarney, My Maryland, Mrs. Jardine, and Richmond, 12c. each; Bride, Bridesmaid, Kaiserin, Perle, and Golden Gate, 8c. each; the lowest grade blooms of all these bring 3c. to 4c. each.

Carnations are not over-abundant, and the demand is large and constant. A few novelties in exceptional cases realize 6c. each, but in general 5c. each is the top price for fancy blooms of standard varieties; the bottom price is $1.50 to $2.00 per 100.

The short supply of Orchids still continues as far as Cattleyas and Dendrobiums are concerned, but Cypripediums are somewhat more abundant. The choicest blooms of Cattleyas sell for 75c. each, Dendrobium formosum 50c. each, and Cypripediums, 15c. each. The demand easily exhausts the supply. Gardenias are moving well with the supply and demand nicely balanced. A few exceptionally choice blooms sell for $4 per doz., but in general 30c. each is the limit in price. Lilies are moving somewhat better. The price ranges from 10c. to 12½c. each. Lily of the Valley is by no means abundant, and the steady demand keeps the supply exhausted. Consequently, prices are very firm, ranging from $2 to $5 per 100, with $4 per 100 in most sales the top figure for the best blooms.

The supply of Chrysanthemums is diminishing, and the medium and lower grades move better than the larger blooms. As regards color, yellow is preferred. Ordinaries sell for 10c. to 15c. each, and fancies for 25c. to 30c. each.

The local Violet supply is short, and there is a fair demand. Fancy doubles, especially those from the Hudson River towns, realize as high as $1.50 per 100; singles bring from 50c. to $1 per 100. The miscellaneous blooms offered include Pansies, Sweet Peas, Narcissus, Paperwhite, Bouvardia and Stevia, all of which are moving just moderately well at quoted prices.

With the waning of the Oak foliage, the demand for all green is a shade more active, and prices as quoted are firmer.

BOSTON, Nov. 30.—In the early part of the week business was slightly quiet, but on Tuesday and Wednesday everything was cleaned up. Some of the wholesalers complain that there was quite a good deal of holding back flowers for Thanksgiving, which was very poor policy. To sell old flowers makes it bad in the long run for grower, wholesaler and retailer.

There was an excellent business done for that holiday, enormous quantities of flowers being disposed of at good prices. Chrysanthemums were in abundance and in good demand, selling from $1 to $3 per doz. The principal varieties sold were the Eatons, Bonnaffon, Yellow and White, Chadwick, Shrimpton and Intensity. Roses were in fine demand and sold well at good prices. The crop was not over-abundant but there was sufficient to fill the demand. Killarney, both pink and white, are of excellent quality; with the cooler weather there are more sold of these Roses than of any other variety. Long stemmed American Beauty sold well. Mrs. Aaron Ward was a favorite and was in great demand. Bride and Bridesmaid Roses don't have much call, and those who have many plants will find them rather unprofitable this Winter.

Carnations are of good quality now. Pink Delight is proving a favorite, so is Enchantress and White Enchantress. Prices advanced considerably this week; good sorts went for 3c. to 4c. each, while some very fine flowers went as high as 6c.

Violets are still scarce and they were quite high for the week, selling from $1 to $1.50 per 100.

Orchids are fairly plentiful but some had to be procured from a distance to fill orders. Cattleya labiata is getting scarce; C. Trianæ is beginning to come in small quantities; Dendrobium Phalænopsis, Vanda cœrulea, Phalænopsis and Oncidiums are the principal kinds in the market now.

Gardenias are in good demand and there are not enough in the market to fill the demand. Lily of the Valley is in good demand and not overplentiful. Stevia is getting more plentiful and the quality is improving. Pink Antirrhinum is in evidence in small lots. Lilies are in demand but they are scarce at this time. The supply of Callas is meagre yet, but there is not much call for them.

Roman Hyacinths are improving in

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quality and the price slightly advancing. Paperwhites are more abundant. There is good call for Asparagus and Adiantum.

Pot plants are selling well. The first Poinsettias are in the market this week. Begonia Gloire de Lorraine is the favorite flowering plant. The other plants seen are Azaleas, Chrysanthemums, Otaheite Oranges, Primroses and Cyclamen. R. C.

CHICAGO, Nov. 29.—The market has been considerably easier since Thanksgiving, although the demand in all lines is still very active, and while prices are not quite as high they are holding up remarkably well. There is an especially large cut of extra long stemmed American Beauty Roses coming in, more than can be utilized, and the price has dropped on same to $4 per doz. The short stemmed grades are very scarce. There is a good supply of all other Roses, and prices are holding to last week's listed prices.

'Mums are on the wane. They have sold fairly well this season, that is, the fancy stock, but there has been such an over-supply of small stock that the prices on the better grades did not reach the anticipated high mark. The average prices were good, and the shipping trade is stated to have commanded higher prices through the entire season than for several years.

Carnations are in extra good demand and clean up every day. There is, however, a complaint that there is not enough white stock available, not in Carnations alone, but in all other lines.

Lilies are scarce as also are Callas. Some growers are beginning to cut from the stock planted in Summer. Valley is excellent, and moving nicely.

More miscellaneous stock is appearing; Stevia, Feverfew, Roman Hyacinths, Bouvardia, and a few Pansies are seen. Paperwhite Narcissi are coming in greater qantities, although not in extra form.

Orchids are arriving in increased numbers, and are very acceptable as there has been a decided shortage for a few weeks. Violets continue in good demand and the quality improves daily. Gardenias, as usual, are active. Sweet Peas are not coming in very plentifully, owing to the dark weather.

There are already displayed in the wholesale houses, small flowering plants, Cyclamens, Begonias, Primulas, Jerusalem Cherries. Green stock is unusually fine and in active demand. Bouquet greens are exceptionally scarce, and the price is very high.

ST. LOUIS, Nov. 28.—The market last week was very steady and our four commission men had their hands full trying to satisfy the retailers' demands for stock. Thanksgiving Day found the market very scarce, with prices away up, equal to Christmas, with consignments but half the quantity that was expected.

Trade on Thanksgiving Day, and the day before, was extra good, from all reports, and a visit to the wholesale market found these prices: Fancy 'Mums, from $2.50 to $3 per doz.; American Beauty, long fancy, $4 to $5 per doz.; other Roses from $5 to $10 per 100, and not any too many of the latter coming in. The Carnation was the flower which had the demand; everything sold up clean at from $4 to $5 per 100; only very few common sorts bringing $3. California Violets, top price, $1.25 per 100; Lilies, $15 per 100; Lily of the Valley, $4; Paperwhite, Narcissus and Roman Hyacinths, $3 to $4 per 100. Smilax and other greens all sold well at usual prices, and we must say that the florists of St. Louis can offer up thanks for the fine weather and good business of Thanksgiving Day. ST. PATRICK.

INDIANAPOLIS, IND., Nov. 29.—Indiana florists in general were permitted to include a profitable business in their Thanksgiving offering this year. There were no extreme gains in any one line of trade but all the shopmen and growers report a slight increase over the preceding receipts. Until Tuesday the supply of flowers was difficult to take care of, but after that cut flowers and blooming plants sold lively. A heavy batch of funeral work came along with the accelerated counter trade, so that the poorer grades of flowers were taken with the fancy ones. Prices were much the same as on other years and, in some cases, lower. It is the writer's opinion that flowers should find some reasonable advance in these days, when help is supreme, and all accessories necessary to the production of flowers much higher than in past seasons.

Few orders pertinent to Thursday's business were taken before Tuesday and a large majority not until Wednesday p.m. No amount of public requests to shop early seem to influence the flower-loving public, as they generally wish to see the stock themselves or order on the spur of the moment by telephone.

Most dealing in the retail line was done with Chrysanthemums at $1 to $5 per dozen. Many bunches of Singles and Pompons went well at 25c. to $1 per bunch. Next in point of sales were Carnations at 75c. to $1 per doz. The wholesale market was cleared of them by Wednesday p.m. at $3 to $5 per 100. They are at the present time selling for $2 to $4 per 100.

Medium Am. Beauty sold well at $3 to $6 per doz. A few long ones are disposed of at $9 a doz. Shipped cut Killarneys suffer from the loss of their bright coloring of a month ago; white ones are better at $5 to $8 per 100. Local Bridesmaid and Bride are in favor at $5 to $6 per 100; shorts at $2 per 100; seconds, at $3 to $4 per 100, sell readily. Richmond are coming into their own at $4 to $8 per 100.

Harrisii Lilies sell better as the 'Mum season is waning. Few are sold less than the regular price, $15 per 100 wholesale and $4 per doz. retail. The same is true of Callas at $3 per doz. retail and $20 per 100 wholesale.

The first Poinsettias are at hand; they do not keep well as they have not matured; $2 to $4 per doz. is the wholesale price. I. B.

Indianapolis

S. S. Skidelsky of Philadelphia visited the trade in this section last week.

John Rieman did an excellent business at Thanksgiving.

The Smith & Young Co.'s Roses are in promising condition for the holidays; they are preparing for a large cut of fancy Killarneys.

Electric power is soon to be furnished the flower houses between this city and Cumberland.

Martin Braendlein is cutting the best Mignonette seen in this locality for some time.

Frost Rieman is still serving as juror, which is much of a burden to a busy grower.

The State Florists' Association of Indiana will hold its monthly meeting Dec. 2.

Tomlinson Hall Market enjoyed its full share of Thanksgiving trade. All flowers left after the wholesalers had bought were disposed of at retail for good prices.

Bertermann Bros. Co. are cutting Bon Silene Roses of good quality. I. B.

New York

Thanksgiving Day

In the wholesale cut flower district the Thanksgiving Day sales were large, but there were no distressing shortages of such blooms as the day usually demands. Prices advanced moderately, but not unreasonably. In all flowers the brighter colored blooms were naturally preferred for gracing the Thanksgiving board. The supply of yellow Chrysanthemums was so nearly exhausted that they were at a premium by Thanksgiving morning. Violets reached their limit price on Wednesday, and somewhat heavy arrivals late that night split Wednesday's price in halves on Thursday morning, as the active demand was then over. The price established for Carnations was not unreasonable, but it made the divine flower take a somewhat slower pace than customary at the Thanksgiving season. The not over-abundant Rose supply moved reasonably well at moderately advanced prices. It is the general verdict that Thanksgiving brought a reasonably large increase in the flower business, and fairly satisfactory prices, and yet the remark is not infrequently heard: "It might have been better." The remark is not a thankless grumble, but merely the utterance of that spirit which keeps the world advancing. When the time comes that man is satisfied, the world will come to a standstill. It has been said that the pleasures of anticipation are often greater than the joys of realization; indulgence in the pleasures of the anticipation of a large Christmas business is now in order.

The next regular meeting of the New York and New Jersey Association of Plant Growers will be held at the office of the secretary, Wm. H. Siebrecht, Jr., 277 Broadway, New York, on Tuesday, December 6, at 3 p.m. It will be the annual meeting and election of officers and directors. Other important business will be acted upon at the meeting.

Various Notes

Among the many Carnations of excellent quality now arriving were recently seen at the store of Henshaw & Fenrich, 51 West 28th st., some particularly fine blooms of an unnamed pink seedling grown by M. Matheron, formerly with the Cottage Gardens Co.; also quality blooms of that good old variety, White Perfection, grown by E. W. Fingar, and Benjamin Willig, and some excellent blooms of May Day and Winona from J. D. Cockcroft. The cut of Chrysanthemums which this firm has received this season from C. H. Totty, Madison, N. J., has been very heavy, the quality unsurpassed, and though the 'Mum season with Mr. Totty is now drawing to a close, his cut of splendid Roses and Carnations is now increasing and taking the place of the 'Mums.

It is reported that Kretschmar Bros., West Nyack, N. Y., the Carnation growers, are now negotiating with one of the construction companies for an extension of their greenhouse plant.

The S. S. Pennock-Meehan Co., 106 West 28th st., are receiving regular shipments of the new yellow Rose, Melody, from Robert Scott & Son, Sharon Hill, Pa. This Rose is meeting with a ready sale, and proves to be a great keeper.

Some of the first Poinsettia plants of the season were recently noted at M. A. Bowe's, 1294 Broadway. These with some plants of Azalea and Begonia Lorraine make a very cheerful and attractive window.

Mark M. Ruch of Wilkesbarre, Pa., is now manager of the cut flower stand of J. Wolf, Jr., at Gimbel Bros.' store, 33d st. and 6th ave. It seems almost incredible that with the immense floor space at their command Gimbel Bros. should tuck Mr. Wolf away under the stairs, where he has no opportunity to either keep a stock of blooms or display them in a manner which would be in keeping with such a magnificent store.

The Growers' Cut Flower Co., 41 West 28th st., is receiving Chrysanthemums which in size and quality are among the very finest now coming into the market. Particularly notable are white and yellow Chadwick, and Rossetti from Jacob Hauck of Bloomfield, N. J., and Jeanne Nonin from Kramer, Farmingdale, N. Y.

P. J. Smith, 49 West 28th st., is receiving a regular supply of Lilium rubrum. These blooms, both in sprays and single, are meeting with a good sale. There is hardly any other bloom coming into the market which looks more cheerful in the retailers' windows, or is more effective in table decorations.

Kessler Bros., 136-138 West 28th st., had such a heavy Thanksgiving trade that they were almost completely cleaned out of all plants by Thanksgiving morning. They are now showing, along with a nice stock of Ferns, some Azaleas and Cyclamens, well covered with blooms.

George M. Stumpp, 58th st. and 5th ave., made up, on Thanksgiving Day, a casket cover of remarkable beauty for the funeral of the mother of Dr. Norton, at Englewood, N. J. The cover consisted of 15,400 Violets, and 1000 Lily of the Valley, which formed the center of the cover. On the same day were put up several very handsome pieces for the funeral of the wife of ex-Postmaster-General Thos. L. James, also of Englewood, N. J.

It is rumored that a prominent retail florist of this city will take a long lease of the buildings located at 111-113 West

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Wholesale Prices of Cut Flowers, New York, Nov. 30, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	25.00 to 35.00
" extra	15.00 to 20.00
" No. 1	10.00 to 12.00
" No. 2	4.00 to 8.00
" No. 3	.75 to 1.50
Killarney	1.50 to 6.00
White Killarney	1.50 to 6.00
My Maryland	2.00 to 8.00
Richmond	2.00 to 12.00
Mme. Abel Chatenay	1.00 to 10.00
Kaiserin	1.00 to 5.00
Golden Gate	.. to ...
Bride, Maid, fancy—spec.	6.00 to 10.00
" extra	5.00 to 8.00
" No. 1	3.00 to 5.00
" No. 2	1.00 to 3.00
Adiantum	.50 to .75
Croweanum	.75 to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut stringe	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Asters	.... to ....
Bouvardia	2.00 to 3.00
Callas	.... to ....
Chrysanthemums, per doz.	.50 to 3.00
Daisies	.50 to 2.00
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to 2.00
Standard Varieties	White	2.50 to 3.00
	Pinks	2.50 to 3.00
	Red	2.50 to 3.00
	Yel. & Var.	2.50 to 3.00
Fancy (The highest grades of Sta'd varieties)	White	3.00 to 4.00
	Pinks	3.00 to 4.00
	Red	3.00 to 4.00
	Yel. & Var.	3.00 to 4.00
Novelties		5.00 to 6.00
Gardenias, per doz.		.75 to 4.00
Gladioli		.... to ....
Hydrangea		.... to ....
Lilies, Harrisii and Longi.		.... to 8.00
Lilium Rubrum		5.00 to 6.00
Lily of the Valley		2.00 to 4.00
Mignonette, per doz.		.50 to .75
Narcissus		.... to 2.50
Orchids, Cattleyas		.50 to 1.00
Cypripedium, per doz.		.... to 1.50
Dendrobium Formosum.		25.00 to 40.00
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		1.00 to 1.50
Smilax (per doz. strings)		.50 to 1.25
Stevia, per bunch		.15 to .20
Sweet Peas, per doz. bun.		1.00 to 1.50
Tulips		.. to ..
Violets, Double		.40 to .75
Violets, Single		.40 to .60

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28th st., and that extensive improvements and changes will be made in these buildings so that they may be available for stores for wholesale florists.

Badgley, Reidel & Meyer, 34 West 28th st., are now receiving regular shipments of Cypripediums.

A. Warendorff, 1193 Broadway, reports that he has been very busy recently with decorative and funeral work, including decorations for a dinner and a wedding at the Hotel Savoy, also for a wedding at the Church of the Atonement, and some large funeral work at Greenwich, Conn. A debutante bouquet of Sunrise Roses, pink Bouvardia and Asparagus showered with baby pink ribbons recently seen at Warendorff's was exquisitely beautiful.

Moore, Hentz & Nash, 55-57 West 26th st., will receive a very large consignment of English Mistletoe by the White Star line S. S. Adriatic next week, and will be ready to make deliveries Dec. 12. They will also receive a large supply of the red berried Ilex verticillata, Winterberry, of a superior quality, from Michigan.

B. Willig, Poughkeepsie, N. Y., was a visitor in town on Monday, and in company with Joseph Fenrich, of Heushaw & Fenrich, visited the greenhouses of E. W. Fingar, Irvington, N. J. They report that Mr. Fingar's place is looking fine, that his three houses of Carnation White Perfection are in full bloom, and that the blooms are remarkable for their size and quality. 100,000 Narcissus Paperwhite now in bloom are well worth going to see.

Chas. H. Totty, of Madison, N. J., made a flying visit West last week. He called at Richmond, Ind., to see the new Roses of the E. G. Hill Co., and while in the town shook hands with everybody's genial friend, John Evans. It is rumored that John is in training for a big cornerstone laying next year.

C. W. Ward of the Cottage Gardens Co., Queens, L. I., was home for a few days recently.

Boston

The amount of business done in Thanksgiving week in this city was very satisfactory and everyone is pleased and happy. The demand for flowers was good; there was a slight shortage in some stocks and that helped to keep prices good. The weather was pleasant, people were thankful, and most of them were willing to spend some of their money. Growers, retailers and wholesalers all report a much better Thanksgiving trade than they have had for years.

Waban Rose Conservatories, Natick, have had a fine batch of late Chrysanthemums which were in excellent condition for Thanksgiving sales. They had about 12,000 blooms in all, chiefly of the late-flowering kinds, Eatons, Chadwick and Bonnaffon. They made a test trip by sending their flowers to their wholesale rooms on Somerset st. by a three ton auto truck. It made the trip in one hour and five minutes and carried one of the largest loads, probably, that ever came to the city: one hundred and twenty-nine boxes. Mr. Montgomery is highly pleased with the experiment. They have had a fine cut of Roses this Fall, and had some beautiful flowers for their Thanksgiving business. They like Mrs. Aaron Ward and have a fine lot of them at this time. Their American Beauty, Richmond and Killarney Roses are grand and show the superior care and culture they have received. P. J. Donahoe, the manager at their wholesale rooms on Somerset st., reports the best Thanksgiving business they have ever had.

The Boston Rose Co. at 64 Pemberton sq., report that they are doing an excellent business and that they handle only the very choicest grades of goods. They sold, this week, 3000 Chrysanthemums for Elijah Cartwright of Wellesley. The flowers were excellent and were readily disposed of at good prices. The Montgomery Co. of South Hadley are sending them some excellent Roses. While we were there they received a consignment from South Hadley of American Beauty Roses which were exceptionally fine. The same firm is sending them splendid Richmond and Killarney Roses. They are handling Peter Fisher's Carnations which are wonderfully fine at this time. They are also disposing of Adiantum Croweanum fronde which come to them from Peter Crow of Utica, N. Y. Mr. Laly, the manager, reports a very satisfactory Thanksgiving business.

J. S. Manter of Everett, who is a very popular salesman at the Boston Flower Exchange, went to Maine to spend Thanksgiving with his mother; he was to return in a few days.

A. N. Pierson, Inc., Cromwell, Conn., had on exhibition a fine vase of Chrysanthemum Chadwick Supreme at the Boston Flower Exchange. It has fine large blooms of a pleasing pink color and will make an excellent commercial variety; it was much admired.

Chrysanthemum Diana, which is pure white and grown in sprays, is a lovely thing. Willow Hill Greenhouse, West Roxbury, is disposing of quantities at the Boston Flower Exchange through Thomas Peglar.

S. J. Goddard of Framingham has a fine cut of Carnations. He received as high as six cents each for some of his blooms this week. Additionally he is cutting some very fine Chrysanthemum blooms of Jeanne Nonin, a fine white.

Pierce Brothers of Waltham are in the market with a handsome lot of plants of Azalea Mme. Petrick, and disposed of a large quantity during the week.

The finest Enchantress and White Enchantress we have seen for some time is grown by A. A. Pembroke of Beverly. He is a new man in the commercial line and is growing some fine flowers.

Robert Montgomery of Natick had a fine cut of Roses this week. He grows Killarney, both pink and white, and Richmond, just as fine as anyone can, and is much pleased with the fine crop he had for Thanksgiving.

James Wheeler of Natick is cutting some extra fine Pink Delight Carnations; his Enchantress and White Enchantress are very good.

The Halifax Garden Co. had 12,000 Chrysanthemums for Thanksgiving. They were principally Bonnaffon and White Bonnaffon; all were disposed of at good prices.

A meeting of the schedule committee of the National Flower Show of the S. A. F. was held at Mass. Hort. Hall, Nov. 25 and 26. The principal work of the committee was to arrange the schedule for the cut flowers. It was a long and tedious job and was finished late Saturday afternoon. The Rose, Carnation and Gladiolus Societies were all well represented at the meeting and each had its say concerning what should be done for its Society's special exhibits. The schedule is now completed and will be in the hands of the printers in a few days.

John K. L. M. Farquhar has just had a letter from E. H. Wilson, the plant collector, who is now in China, and it contains bad news. While Mr. Wilson was in the mountains he was overtaken by a landslide and a falling piece of rock broke his leg. He was several days before he could get medical aid and suffered excruciating pain during that time. He says he is in good hands now and getting on fairly well but it will take many weeks before he is well again. Mr. Wilson is collecting for the Arnold Arboretum, and the trip, until the time of the accident, had been very successful. Mr. Wilson made many friends while he was in Boston last Winter, and all feel very sorry for the accident which befell him.

Norris Comley's cut of Chrysanthemums for Thanksgiving was a large one. His late varieties consisted principally of Bonnaffon and Yellow Bonnaffon.

Invitations are out for the wedding of James Wheeler's daughter, Ivy Gertrude, to William J. Arbus.

Vistors in Boston: Benj. Hammond, Fishkill, N. Y.; F. R. Pierson, Tarrytown, N. Y.; W. A. Manda, So. Orange, N. J.; Harry May, Summit, N. J.; A. Farenwald, Roslyn, Pa.

R. C.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Nov. 26, 1910	Pittsburgh Nov. 29, 1910	NAMES AND VARIETIES	Boston Nov. 29, 1910	Detroit Nov. 29, 1910	Cincinnati Nov. 28, 1910
..... to 25.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	15.00 to 30.00	35.00 to 50.00	30.00 to 40.00
15.00 to 18.00	30.00 to 35.00	" extra	8.00 to 10.00	20.00 to 30.00	20.00 to 25.00
10.00 to 12.50	20.00 to 25.00	" No. 1	3.00 to 6.00	15.00 to 20.00	12.00 to 16.00
4.00 to 8.00	8.00 to 12.50	" No. 2	..... to	4.00 to 12.00	8.00 to 10.00
4.00 to 8.00	4.00 to 10.00	Killarney	3.00 to 8.00	4.00 to 10.00	4.00 to 6.00
1.00 to 8.00	4.00 to 10.00	White Killarney	3.00 to 3.00	4.00 to 10.00	2.00 to 6.00
..... to	4.00 to 8.00	Bride and Bridesmaid	2.00 to 4.00	3.00 to 10.00	4.00 to 6.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
..... to	4.00 to 10.00	My Maryland	..... to	4.00 to 10.00	3.00 to 6.00
4.00 to 8.00	6.00 to 10.00	Richmond	3.00 to 8.00	4.00 to 12.00	4.00 to 6.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	2.00 to 4.00
1.00 to 6.00	4.00 to 6.00	K. A. Victoria	..... to	4.00 to 12.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	.75 to 1.25	.75 to 1.50	..... to .....
..... to 30.00	35.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	..... to 10.00
..... to 30.00	20.00 to 40.00	" Sprengeri, bunches	25.00 to 50.00	20.00 to 30.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to 12.50	..... to	Callas	..... to	..... to 15.00	..... to .....
..... to	1.50 to 2.00	Carnations—Inferior grades, all colors	1.50 to 3.00	..... to	..... to .....
2.00 to 3.00	3.00 to 4.00	Standard Varieties: White	1.50 to 3.00	2.00 to 3.00	3.00 to 4.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Pink	1.50 to 3.00	2.00 to 3.00	3.00 to 4.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Red	1.50 to 3.00	2.00 to 3.00	2.00 to 4.00
2.00 to 3.00	3.00 to 4.00	Standard Varieties: Yellow and var.	1.50 to 3.00	..... to	..... to .....
..... to 4.00	..... to 5.00	*Fancy: White	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to 4.00	2.50 to 5.00	*Fancy: Pink	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to 4.00	2.50 to 6.00	*Fancy: Red	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to 4.00	..... to	*Fancy: Yellow and var.	2.00 to 4.00	..... to	..... to .....
8.00 to 12.00	8.00 to 15.00	Chrysanthemums, ordinary	..... to	5.00 to 10.00	10.00 to 18.00
..... to 25.00	20.00 to 30.00	" fancy	5.00 to 20.00	12.00 to 25.00	..... to .....
..... to .60	.50 to 1.00	Daisies	..... to	..... to	..... to .....
..... to .25	..... to	Ferns, hardy	..... to	..... to .15	..... to .15
..... to .15	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .10
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	..... to	..... to 15.00	..... to .....
..... to 3.00	3.00 to 5.00	Lily of the Valley	..... to	3.00 to 4.00	3.00 to 5.00
..... to	..... to	Mignonette	..... to	2.00 to 4.00	..... to .....
..... to	..... to 75.00	Orchids—Cattleyas	25.00 to 40.00	..... to 60.00	..... to .....
..... to	..... to	Cypripediums	..... to	10.00 to 15.00	..... to .....
..... to	..... to	Dendrobiums	..... to	..... to	..... to .....
..... to 15.00	..... to	Poinsettias	..... to	..... to	..... to .....
..... to 1.80	..... to 1.80	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to 1.50
.50 to 1.00	..... to	Sweet Peas	..... to	.50 to .75	..... to 1.00
.50 to .75	..... to	Violets, single	.75 to 1.25	.50 to 1.00	..... to 1.00
.50 to .75	..... to 1.50	" double	..... to	.50 to 1.00	..... to 1.00
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

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SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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All Cut Flowers in Season

Heller Bros.' Fine Beauties. Market Prices.
Boxwood, $7.50 per case of 60 pounds.
Leucothoe Sprays, 60c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.

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Pittsburgh

Improvement in the florist trade was noticeable the past week and the unfavorable dark weather has shortened up stock somewhat. 'Mums are not so abundant but will be in the market yet for some weeks. Trade on Thanksgiving Day, was very good, many loose flowers were sold at fair prices. The football game, which was attended by almost twenty thousand people, helped the sale of 'Mums particularly. The weather is still Winter-like and prices on all stock will advance slightly. Green goods are coming in, Boxwood and samples of well-berried Holly, which promises to be scarce on account of the dry Summer.

J. W. Ludwig had a narrow escape last week from a street car accident, being struck by the fender and dropped close to the wheels, his clothing being torn; he was unconscious when carried to the hospital close by, but soon recovered sufficiently to go to his home. His body was bruised somewhat but he is about attending to business as usual.

P. T. Langhans of the Pittsburg Cut Flower Co. was at home for a few days with a cold.

Fred Burki, president of the Pittsburg Cut Flower Co., is having a sort of a vacation, spending a few weeks on the jury; Mr. Burki states that their Thanksgiving business was very good.

The Florists' Club holds its last meeting of this year next Tuesday, Dec. 6, at the Fort Pitt Hotel. No subject for discussion is announced, each member being requested to bring something of interest to the trade, plant, cut flower or supplies, and to give a few minutes talk on said subject.

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$7.00 per 100, $60.00 per 1000

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Ready for Delivery December 15th. SEND FOR OUR DESCRIPTIVE LIST

BEAUTIES—RICHMOND KILLARNEY

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THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Nov. 28, 1910	Buffalo Nov. 29, 1910	NAMES AND VARIETIES	Phil'delphia Nov. 28, 1910	St. Louis Nov. 28, 1910
30.00 to 35.00	25.00 to 35.00	Roses—A. Beauty, fancy—special	35.00 to 40.00	30.00 to 40.00
20.00 to 25.00	20.00 to 25.00	" extra	25.00 to 30.00	10.00 to 20.00
12.50 to 15.00	10.00 to 12.00	" No. 1	to	8.00 to 10.00
6.00 to 10.00	4.00 to 5.00	" No. 2	6.00 to 10.00	3.00 to 4.00
4.00 to 6.00	4.00 to 10.00	Killarney	3.00 to 12.00	4.00 to 6.00
4.00 to 6.00	4.00 to 10.00	White Killarney	3.00 to 12.00	4.00 to 6.00
3.00 to 5.00	4.00 to 10.00	Bride and Bridesmaid	3.00 to 8.00	to
to	to	Mrs Jardine	4.00 to 12.00	to
4.00 to 6.00	4.00 to 10.00	My Maryland	3.00 to 12.00	4.00 to 6.00
3.00 to 5.00	4.00 to 10.00	Richmond	4.00 to 12.00	4.00 to 6.00
3.00 to 4.00	4.00 to 8.00	Perle	5.00 to 8.00	to
3.00 to 5.00	to	Golden Gate	3.00 to 8.00	to
3.00 to 5.00	4.00 to 8.00	K. A. Victoria	3.00 to 8.00	4.00 to 5.00
to 1.00	.50 to 1.00	Adiantum	1.00 to 1.50	to
25.00 to 50.00	50.00 to 60.00	Asparagus, Plumosus, bunches	30.00 to 50.00	to
25.00 to 50.00	50.00 to 60.00	" Sprengeri, bunches	35.00 to 50.00	to
to	to	Bouvardia	3.00 to 4.00	to
to 10.00	10.00 to 12.00	Callas	10.00 to 12.50	to
to 1.50	to	Carnations—Inferior grades, all colors	1.50 to 2.00	to
2.00 to 2.50	2.00 to 3.00	Standard Varieties: White	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Pink	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Red	3.00 to 4.00	3.00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Yellow and var.	3.00 to 4.00	to
to 3.00	2.50 to 4.00	*Fancy: White	4.00 to 5.00	3.00 to 4.00
to 3.00	2.50 to 4.00	*Fancy (*The highest grades of Sta'd vars.): Pink	4.00 to 5.00	3.00 to 4.00
to 3.00	2.50 to 4.00	*Fancy (*The highest grades of Sta'd vars.): Red	4.00 to 5.00	3.00 to 4.00
to 3.00	to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	4.00 to 5.00	to
5.00 to 10.00	10.00 to 12.00	Chrysanthemums, ordinary	10.00 to 15.00	to
15.00 to 25.00	15.00 to 20.00	" fancy	20.00 to 30.00	to
to	to	Daisies	1.00 to 1.50	to
to .15	to .20	Ferns, hardy	.10 to .15	to
to .10	to .15	Galax, green and bronze	to .10	to
1.50 to 2.25	to	Gardenias, per doz	2.50 to 4.00	to
to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	0.00 to 12.50	to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00
to	2.00 to 4.00	Mignonette	2.00 to 3.00	to
to	75.00 to 85.00	Orchids—Cattleyas	to 75.00	to
to	12.00 to 15.00	Cypripediums	to 15.00	to
to	to	Dendrobiums	to 50.00	to
to	to	Poinsettias	to	to
to 2.40	to 1.80	Smilax, (per doz. strings)	1.50 to 1.80	to
.75 to 1.00	.50 to .75	Sweet Peas	.50 to 1.00	to
to	to	Violets, single	50 to 1.00	to
.50 to .75	1.00 to 1.25	" double	1.00 to 1.50	to
to	to		to	to
to	to		to	to

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Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

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Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

Philadelphia

Calls upon all the wholesale florists, and many of the retailers, of this city evoke the unanimous opinion that, as regards the volume of business transacted, the Thanksgiving Day of 1910 was the banner one. One prominent retailer says: "There was such a whirlwind of business that it nearly took us off our feet." The prices, too, were quite satisfactory. "We were obliged to keep open until night," said a leading wholesaler. Instead of the customary dull Friday after Thanksgiving, the call for flowers for the Army and Navy football game at Franklin Field made it and Saturday very busy days.

The rumor of a change of location of one of the prominent wholesalers of this city has been verified. Edward Reid, about Dec. 10, will vacate his present quarters at 1526 Ranstead st. and occupy the store in the S. S. Pennock-Meehan Co.'s building, fronting on Ranstead st., formerly occupied by W. E. McKissick Bros. Mr. Reid's first location in this city was on 16th st., from which he moved to his present location, where he has been fourteen years. The change of location is now made because Mr. Reid's increased business has entirely outgrown his present accommodations. He is one of the most noted shippers to the South in this city, and he always handles quality stock of Orchids, Valley, Roses, Carnations, Gardenias and Violets.

Among the recent callers on the Robert Craig Co., 4900 Market st., were N. Potter, Wilmington, Del.; J. Murray Bassett, Hammonton, N. J.; J. Howard Stone, Stroudsburg, Pa.; Martin Ribsam, Trenton, N. J., and C. C. Trepel, New York City. The boom in Christmas sales has already begun with this company. The tens of thousands of Poinsettia plants are now a brilliant and dazzling sight at Craig's; they were never better, and will be ready for shipment in a few days.

Some extra fine American Beauty, My Maryland and both pink and white Killarney Roses were seen this week at the S. S. Pennock-Meehan Co.'s. A recent caller on this company was W. J. Harvey of Pomeroy, Pa., the Carnation grower. Mr. Harvey is a grower of fine Enchantress in the different varieties, and he reports that his plants are entirely free from stem rot, so prevalent this year among the Carnations grown in the region around Philadelphia. This freedom from this dreaded disease is attributed by Mr. Harvey to extreme care in handling of plants, beginning with the slips in the cutting bench.

The Leo Niessen Co. is handling a new and very attractive green which goes under the trade name of "Mexican Ivy," but whose botanical name is Vancouveria hexandra. In many cases it takes the place of Adiantum Farleyense, both in general making up of all kinds, and for body work in solid green wreaths. It handles well and keeps well, and is becoming quite popular with the retailers. This company is receiving a splendid supply of American Beauty, My Maryland and Killarney Roses.

The Pennock Bros. Co., 1514 Chestnut st., in window displays is setting the pace for Philadelphia. The feature of its window this week is plants of Begonia Lorraine and some artistically arranged hampers of choice blooms.

Robert Bragg, formerly with Samuel F. Lilley, is now with the Philadelphia Cut Flower Co., 1517 Sansom st. This company is receiving some extra quality Jeanne Nonin 'Mums, and expects the supply of this variety to last right up till Christmas.

William J. Baker, after a rushing Thanksgiving week's business, is now hurrying through some improvements in his store at So. Penn Sq., so as to be ready for handling his Christmas trade.

Some one slammed Samuel F. Lilley's door at 5 So. Mole st. A heavy box balanced on end inside the store, either because of the jar or because "possessed," went over and smashed the 10x12 ft. plate glass window all to smithereens. Insured. Mr. Lilley is happy just the same, notwithstanding his quarters at present are somewhat chilly, for he did a record-breaking Thanksgiving business and is now preparing for the Christmas fray.

Alfred M. Campbell, 1510 Sansom st., is handling a nice cut of Asparagus from his Collingdale greenhouses. He also reports having his share of the Thanksgiving prosperity.

The offices of the West Laurel Hill Cemetery were entered by a gang of robbers last Sunday evening, who robbed the safes and killed Peter Campion, the watchman, 53 years old, well known to florists, afterward setting fire to the frame building, which burned to the ground, incinerating the body of the poor watchman almost completely. Campion had been employed as watchman at the Cemetery for 30 years, and was a man of strong character, upright and exact in all his dealings, and highly respected by all with whom he came in contact.

John Jensen, 3840 Lancaster ave., was very busy for Thanksgiving, reporting some nice trade. He is getting well fixed for Christmas business.

C. A. Bradin, 3928 Lancaster ave., reports a good share of the funeral work for City Solicitor Gendell, who died last week.

Zur Nieden, 4088 Lancaster ave., has an attractively dressed window well filled with seasonable stock, both cut and potted.

Harry Yerkes, 4511 Lancaster ave., moved Dec. 1 into a better location in another part of the city more convenient to his outside interests.

Henry Engler, 4651 Lancaster ave., reports a good clean-up on the larger Ferns but still has a good quantity of the small and medium size stock. His shipping trade has been excellent.

Wm. H. Le Gierse, 4652 Lancaster ave., reports a brisk trade in potted 'Mums over Thanksgiving. He is rapidly getting his range in shape and a number of improvements are to be noted.

Fred Le Gierse has removed from 4628 to the corner of 47th and Lancaster ave. The new store and dwelling make it more convenient to the Old Cathedral Cemetery, from which the bulk of the cut flower trade is derived; the two large show windows, well lighted, are drawing considerable attention.

Mrs. James Shelby, 60th and Pine sts., has enjoyed a good Fall trade in Chrysanthemum and pot stock, most of which went at wholesale.

The store of Wm. C. Smith, 61st and Market sts., was closed Nov. 29, owing to the death of Mrs. Smith, who had been ill for some time.

W. Wilkinson, 49 Salford st., is making a specialty of table Ferns, and is also still cutting a splendid lot of 'Mums.

Wm. F. Adams, 6004 Vine st., is well stocked for the coming holidays; he believes in getting his supplies in early, saving delay as the holidays draw nearer.

Wm. Crawford reports business as over twice what it was this month a year ago. The store at 5210 Market st. has been rearranged and is one of the most attractive shops in Philadelphia.

Mr. Thomas of Zanesville, Ohio, was a recent visitor to the local shops, showing a line of pottery.

Kent's Flower Shop, 40th and Walnut sts., has been renovated and the interior is now covered with white Birch bark. Trade is picking up nicely and is much better than any previous year. Electric lamps are being installed here.

Frank Muller has two houses at 6020 Ludlow st. devoted to Carnations, and is busy making up Holly wreaths for the wholesale trade. He has a stand at 52d and Market sts., where surplus stock is sold.

Miss Eva Fletcher 5015 Baltimore ave., reports good trade for past few weeks, especially at Thanksgiving time.

Wm. S. Rich, 4820 Baltimore ave., has recovered from his illness, and is now working full time. Says he has to in order to keep up to his orders.

The Ivan Flower Shop, 47th and Baltimore ave., is doing very nicely and a fine Thanksgiving trade is reported.

Mrs. Ernest Daras, 1122 So. 47th st., is busy getting stocked up for Christmas, making up wreaths, etc., of both artificial and natural stock.

M. J. Callahan is now fully settled in his splendid new store, 3924 Market st., and reports the arrival of another girl, about four weeks ago. This store has a fine display window and in the rear is a large conservatory well stocked.

The West Philadelphia Flower Shop, 32 So. 40th st., is looking very nice after its renovation. The proprietor reports the decoration of a 50x50 ft. sun parlor, the only one of its kind in Philadelphia, for a nearby apartment house. Trade in general is far ahead of previous years and lots of outside work is handled here.

P. M. R.

Chicago

Thanksgiving this year was a surprise such as never before experienced. While never regarded in the same light as other flower holidays, this year was an exception. The demand for flowers, both locally and on shipping orders, was very heavy. There are very few in the business who can remember securing such high prices, for flowers, at this same period, all stock being held at Christmas figures, although nearly all the wholesale houses would rather have seen prices lower and the supply more plentiful.

That women's clubs are taking up the work of floriculture is evident by the many lectures given on the subject at the different meetings. The educational department of the West End Woman's Club on Thursday presented a lecture on "Floriculture," by Prof. W. D. McClintock.

At 3 o'clock last Sunday morning some one called up J. L. Raske at his residence and informed him that a burglar had climbed through the transom of his flower store, 177 Jackson blvd. Dressing hastily Mr. Raske loaded his revolver, called a taxi and hurried down town, arriving at the store in the company of several policemen. He opened the door, turned on the lights, but found no one. Mr. Raske

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
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Headquarters for American Beauty Rose
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Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
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ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
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FLORISTS ST. PAUL, MINN.
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WHOLESALE GROWERS OF
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DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
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ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
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HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
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Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Nov. 29, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	.... to	4.00
30-inch stems.. "	3.00 to	4.00
24-inch stems.. "	.... to	3.00
20-inch stems.. "	.... to	2.50
18-inch stems.. "	.... to	2.00
12-inch stems.. "	.... to	1.50
8-in. stems and shorts "	.... to	1.00
Killarney	4.00 to	6.00
" extra	8.00 to	10.00
White Killarney	8.00 to	10.00
Richmond	6.00 to	10.00
My Maryland	6.00 to	10.00
Bride, Maid, fancy special	6.00 to	8.00
" extra	3.00 to	4.00
" No. 1	.... to	2.00
" No. 2	.... to	1.50
Perle	5.00 to	7.00
Chatenay	4.00 to	8.00
Kaiserin	.... to	8.00
Uncle John	6.00 to	8.00
Mrs. Marshall Field	.... to	8.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	.50
" Sprengeri	.35 to	.50
Callas	.... to	15.00
Chrysanthemums, doz.	2.00 to	2.50
" fancy doz.	3.00 to	4.00
Daisies	.... to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	2.50 to	3.00
Standard Varieties: Pink	2.50 to	3.00
Standard Varieties: Red	2.50 to	3.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	4.00 to	....
*Fancy: Pink	4.00 to	....
*Fancy: Red	4.00 to	....
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	1.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	12.50 to	15.00
Lily of the Valley	4.00 to	5.00
Mignonette	3.00 to	5.00
Narcissus—Paper White	.... to	3.00
Orchids—Cattleyas	60.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
Stevia	1.50 to	2.00
Sweet Peas	.75 to	1.00
	.... to	....
Violets, single	.75 to	1.00
" double	1.50 to	2.00
Gardenias	25.00 to	35.00
	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

remained behind a short while when he heard a sound as of some one mumbling in the balcony, "I wonder what I could get on these Orchids." Raske drew his revolver and ordered the man to come down which he did, and gave his name as Paul Weber, a waiter; he said he was not a regular burglar. Mr. Raske called a patrol wagon and departed for his home.

Harry Nicholson, son of Wm. Nicholson of Framingham, Mass., who has had charge of one of the sections of the Chicago Carnation Co.'s plant in the past two years, is now its traveling representative, introducing the new Carnation Washington, which is a dark pink sport of Enchantress.

The display at the Coliseum made by The MacRorie-McLaren Co. of San Francisco is in charge of the Southern Pacific Railway, at the Land Show. A new shipment of stock has been received every three days during the two weeks of the show, which has kept the booth supplied with fresh cut flowers and has added much to the beauty of the California exhibit. It is expected that at another show of this sort more States will arrange a booth on this order.

The J. B. Deamud Co. had on exhibition at their store last week a vase of 'Mums, a pink sport of Chadwick, from A. N. Pierson, Cromwell, Conn., called Chadwick Supreme. It is of a Japanese reflexed type, a most excellent pink, and was greatly admired and appreciated by all who viewed it.

Rudolph Mohr, of Racine, Wis., and formerly with W. J. Smyth, is now with the Bohannon Floral Co. The store windows of this company were very attractive in the past few days, being decorated with Begonia plants exquisitely bloomed, both Lorraine and Glory of Cincinnati varieties. They were arranged in fancy baskets and pots embellished with ribbon of the same shade as the flowers. Mr. Bohannon says the past two weeks have been the busiest he has ever experienced in the business.

The work on the alterations and addition to W. J. Smyth's store is progressing rapidly, and it will be a great show store when complete. Funeral work at this store has been exceptionally heavy lately. Mr. Smyth had much of the work for the Michael Cudahy funeral this week.

While it is considered that there is a good opening for a florist in the New Sherman House, and while the management promise all the work of the hotel to whoever locates there, the rent asked seems to be too exorbitant to tempt several who have coosidered the advisability of embracing the opportunity.

John Risch, we are pleased to report, is improving daily, although he is not as yet able to be at the store.

Wm. Starrett of the Chicago Carnation Co., and Frank Ayers of Chas. McKellar's, who were ill last week, have fully recovered.

The first shipments of Bronze Leucothoë to come into the Chicago market this season were received by Zech & Mann, and for a first arrival the stock is unusually fine.

H. B. Doroer of Urhana, Ill., was a visitor in Chicago last week end, coming to attend a special meeting of the State Florists' Association.

George Baer, a Gladioli grower from Hyde Park, Long Island, N. Y., is spending a week in Chicago, visiting among the growers. Mr. Baer is combining pleasure with his business trip, having friends in town, with whom he is stopping.

Geo. E. Serviss, the successful grower from Batavia, visited the market last Saturday.

The regular monthly meeting of the Chicago Florists' Club was held at the usual place, Union Restaurant, on Thursday, December 1.

Visitors: A. Londenberg, Valparaiso, Ind.; A. Seigel, St. Louis, Mo..; P. Olsem, Joliet, Ill.

O. P. Bassett has purchased property at Pasadena, Cal., and will start building a home at once, expecting to have it completed by early Spring. Mr. Bassett was a visitor at the recent flower show held at San Francisco, and states that while the show was good, the 'Mums could not compete with those exhibited at our Chicago show, either in size or quality.

Geo. Asmus has been confined to his home for some days with rheumatism, but is now able to get around for a short time, and hopes soon to be able to resume business.

Bassett & Washburn are receiving the first cut of Lilium Formosum from bulbs planted during the Summer. Mr. Washburn says that the weather was so bad during November that they have used more coal in the greenhouses than for several years.

Visitor: C. C. Taylor, Louisville, Ky.

Cleveland, O.

With the exception of two or three days of sunshine we have had here dark, cloudy weather for about three weeks, and stock has been very scarce indeed. Hardly anythink was held back for Thanksgiving and 'Mums that were cut for that day could have remained on the plants for a week longer and have been better for it; but the demand was unprecedented, and a clearance of anything salable was a complete surprise to everyone. The remarkable part of it is that for many years on such holidays as Thanksgiving, New Year's and St. Valentine's business in our line has been practically at a standstill, and it is only within the last few years that trade has received such a wonderful impetus, probably due to the fact that the general public is gradually becomiog educated to the beautiful purpose of flowers, and to the fact that their cultivation is not merely a commercial project but the sentiments they convey so aptly make them a necessity as well as a luxury. Hence the large sales of 'Mums, Roses, Violets, Valley, Paperwhites, Romans, and any other flower that could be obtained for this holiday.

'Mums were particularly fine this year and were all cleaned up, prices varying at wholesale from $1 to $4 per doz. Violets were especially good, the fragrance grand, and they sold for $1.50 per 100. American Beauty Roses were in demand and brought good prices on the average; and Paperwhites, Romans and Sweet Peas sold at from $3 to $4 per 100. Carnations were scarce owing to the dark weather, and the wholesale stores were cleaned up very early in the morning, good stock or any stock selling at from $4 to $5 per 100.

'Mum plants and Celestial Peppers found a ready sale after the cut flowers were all gone, and there was a demand for Lilies, too. Stevia is fine this year, and always sells well; it is so desirable that no retail house will be without it during its season; prices 75c. and $1 per bunch. Daioty Baby Primrose is coming into its own and is used extensively now in funeral work.

Owing to the deaths of a number of prominent Cleveland people, Friday and Saturday were busy days and all flowers cleaned up quickly. Chas. Wagner had several pieces, running into the hundreds.

Guy Bate has invented an apparatus for fumigating greenhouses, for which he has applied for a patent. It has proved such a success at the F. R. Williams Co.'s plant, of which he has charge, that it will be put on the market in the near future.

The Cleveland Cut Flower Co. received, for the Thanksgiving trade, about 25,000 of the finest sorts of 'Mums from their own place, besides consignments from other shippers.

Miss Grace Hunt of Chagrin Falls, O., has finished building her new houses and her stock oow is in good shape.

Knoble Bros. report fine business and are well pleased with results of the holiday trade.

Smith & Fetters had a fine window display recently.

Jones Russell Co. had a fioe Thanksgiving business and sold out completely, besides having several large decorations.

It is reported that Will Kirchner, brother of John Kirchner, is very ill; he has the best wishes of the craft in general for his recovery.

E. C. Rock reports good business at both his stores.

The Gasser Co. will remove to their new store near the old quarters as soon as the decorations and interior are finished.

Miss Laura Miller of Findlay reports exceptional trade activity and is well pleased with the results of her venture.

O. G.

Columbus, O.

In spite of the fact that the strike of the street car employees, extending over a period of three months and recently settled, has had a demoralizing effect on all business, conditions in Columbus show a general improvement this Fall over those of last year in the florist trade. Thanksgiving business was all that could be hoped for, there being a general clean-up on all salable stock, particularly 'Mums, at good prices; and dealers are sanguinely looking forward to a very prosperous holiday season. One deplorable condition here, however, and of which the reputable florists complain bitterly, is the merciless slaughter of prices and handling of cheap, inferior stock by the department stores in selling flowers to an unsuspecting public.

Various Notes

C. A. Jagsch, manager of the Franklin Park Floral Co., claims to have had a banner Fall season in their cut flower business. This company are also growers of decorating and flowering stock, and have one of the prettiest establishments in Columbus, including several Carnation houses which are producing some very fine blooms.

One of the most modern and finely equipped stores of Columbus is that of the Livingston Seed Co., on High st. Here a staff of efficient clerks serve the wants of the throngs constantly passing in and out. According to Manager T. J. Ludwig, this house has had an exceptionally good Fall and Thanksgiving trade, and every indication points to an equally good holiday trade. In addition to their cut flower department a large seed trade is done.

E. Metzmaier, South Side, reports a thorough clean-up on 'Mums, of which he had a large number for Thanksgiving Day.

A new concern, styled the Columbus Floral Co., has started in the growing business in the South End. The proprietors are Frank Miller and Thompson Bros., of Columbus, and the manager, Paul Hallbrook, formerly of Heim Bros., Chicago. They have already erected two 400-ft. houses and several smaller ones, and will grow Carnations exclusively.

J. M.

50 lb. Case Smilax, Best Quality, $1.75

Direct from Shipping Point **PINE APPLE, ALA.**

Your order placed with us will be filled promptly, properly, and to your entire satisfaction. When in need of best quality Smilax, write or telegraph

HENRY M. ROBINSON & CO., Pine Apple, Ala.

Unknown customers, C. O. D. or cash with order.

Please mention the Exchange when writing.

Smilax Plants

Strong plants, from 3-inch pots, $2.00 per 100, $18.00 per 1000.

R. KILBOURN, Clinton, N. Y.

Please mention the Exchange when writing.

Rubber Plants

FINE FOR IMMEDIATE RETAIL SALES

5, 5, 7 and 8-in. pots, 35c., 50c., 75c and $1.00 each.

Boston and Whitmani Ferns, 10-inch tubs, $1.50 each.

Azaleas, in bloom for Chrisimas, $1.25 and $1.50 each. Cash Please

N. A. CORLIN, Elberon, N. J.

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FEVERFEW

ROOTED CUTTINGS, $1.00 per 100, $10.00 per 1000; 2-inch pots, $2.00 per 100.

COLEUS 2-inch pots, $2.00 per 100.

VINCA VARIEGATA 3-inch pots, $4.00 per 100.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 5 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybrids All Colors, in bud and bloom, from 5 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $4.00; from 4 in. pots, $8.00 per 100. **Satisfaction Guaranteed.**

PAUL MADER
EAST STROUDSBURG, PA.

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1000 CYCLAMEN PLANTS

In 6 and 8 inch pots 50c. to $1.00 each. Extra fine stock and just right for the holidays.

THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

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CINERARIAS

DWARF HYBRIDS, Large Flowering, Finest Shades and Colors; strong, stocky plants, ready for shift, 2 in., $1.50 per 100; 3 in., $2.50 per 100.

E. VAN BENTHUYSEN, R.F.D. 6 Schenectady, N. Y.

Please mention the Exchange when writing.

Chinese and Obconica Primroses

Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. PRIMULA Obconica, 5-in., $10.00 per 100. CYCLAMENS, 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. CINERARIAS, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

St. Louis

Thanksgiving Day trade was surprisingly large with most of the local florists. All kinds of cut flowers sold well for dinner table decorations. In the West End the retailers who have show houses handled a splendid lot of blooming plants and a great amount of cut stock.

At Grand ave. and Olive st., a great thoroughfare, are centered The Metropolitan Floral Co., Geo. Walbart and Mrs. M. M. Ayers, who all report the business done for Thanksgiving as larger than last year. The Metropolitan Floral Co., for this, their first Thanksgiving Day, say they did well.

Mrs. M. S. Newman, F. H. Weber, Fred C. Weber and Ellison, further west on Olive st., also say they put in a busy day.

Over on Delmar blvd. Kalish, Miller, Hay and Sanders all had a splendid business.

Among the downtown stores, Ostertag Bros., Young's, Beneke, Foster, Sander and Riessen Floral Co. report they never had a better trade during the Thanksgiving rush.

South St. Louis, too, is well satisfied with its trade, so say Eggling Floral Co., R. J. Windler, C. Bergestermann, Charles Beyer, F. J. Fillmore and Schray & Sons. The North End also did well in all lines and the Bentzen Floral Co., Mullamphy, Tower Floral Co., Brix, Ryan, Koenig and Meinhardt say that they were busy and that stock was scarce and prices high.

Jimmie Conway, son of James Conway, of Rochester, called on some of the trade last week, passing through on his way home from a trip to California.

Our commission men report that everything sold well and Chrysanthemum blooms were never better than at this time and these, also, sold well; that is, the fancy ones. Carnations and Roses cleaned up early, also Violets, and stock was never so scarce and high as this Thanksgiving.

The executive board of the Horticultural Society held its first meeting since the close of the recent show, and the settling of matters was done behind closed doors; it has not as yet been learned just how great the loss was. Those on the inside do not want to tell and those on the outside do not seem to care to know.

The Florists' Club will hold its regular monthly meeting next Thursday afternoon, Dec. 8, in its meeting room in the Odd Fellows' Bldg. Secretary Beneke says that this being the last regular meeting of the Club for 1910, and to wind up the old year's business, the members should all come out and attend the meeting.

ST. PATRICK.

Cincinnati

Gus Kohlbrand, of E. C. Amling's, Chicago, spent Thanksgiving here with his folks, incidentally looking after a little business at the same time; he states that Thanksgiving with his house was the best ever.

J. T. Herdegen of Aurora, Ind., was a caller; he lost $100 by fire, about a week ago; a barn opposite his greenhouses burned to the ground, killing several horses, and it was with difficulty his greenhouses were saved.

The committee appointed by the president of the Cincinnati Florists' Society will meet during the coming week, and discuss the advisability of holding a flower show in Cincinnati in the Fall of 1911; if they decide in favor of holding such an exhibition, it will be one of the old-time shows that will be worth coming to see. Through the press it has been rumored that the city fathers would buy land, and cause to be erected upon same a convention hall, for the use of conventions which could be brought to this city; at this writing it seems to have been only talk, no definite plans having been agreed upon.

Chrysanthemums

Our efforts to produce New Chrysanthemums of sterling merit have been crowned with success.

Our 1911 Novelties will be the best offered the trade. Descriptions and prices on application.

Our Asters are just as good as our Chrysanthemums.

The strain known as Smith's Peerless, in white and light pink, are unequaled by other strains

We have the Best Standard Sorts which we are selling per pound, ounce or less to meet the requirements. Prices on application.

ELMER D. SMITH & CO. Adrian, Mich.

Please mention the Exchange when writing.

WE WERE AWARDED

17 First Prizes on 17 Entries

For our Chrysanthemum Plants at the recent **Chicago Flower Show** by the most critical judges that ever judged plants.

WE KNOW HOW TO GROW Good "'Mums" and Other Stock.

SEND US YOUR ORDERS FOR CHRISTMAS

VAUGHAN'S GREENHOUSES, Western Springs, Ill.

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Chrysanthemum Stock Plants

Stock Plants of White Frick Chrysanthemum, $1.00 per dozen. Also, Marguerite Daisies, $3.00 per 100.

PAUL FISCHER, WOOD-RIDGE, Bergen County, N. J.

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Prices Advertised in these Columns are for THE TRADE ONLY

Chrysanthemums

STRONG STOCK PLANTS.

Touset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).

75 cents per doz.; $4.00 per 100.

WM. SWAYNE, Kennett Square, Pa.

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JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

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Bedding Plants In Their Season

WM. J. CHINNICK,
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Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.

PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $6.00 per 100. Try them.

BEGONIAS, flowering, 13 varieties, mixed, fine plants, $5.00 per 100.

BEGONIA Vernon, mixed, $3.50 per 100.

SMILAX, 2½-in., extra large, $2.50 per 100.

SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $5.00 per 100.

CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.

FERNS, large, bushy plants for 5-6-7 in. pots, Boston, Scottii and Whitmani, Elegantissima, etc., 15c., 20c., 25c. each.

HELIOTROPES, 4 varieties, **MARGUERITES,** 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.

FUCHSIAS, 2½-in., 5 varieties, including Little Beauty and Storm King, $2.50 per 100.

GERANIUMS, Beante Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.

An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

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Over 40% Nicotine
BY FAR THE CHEAPEST.

Just Note Prices!

Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
5 Gallons . . . 47.25

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Hews Standard Pots

POT MAKERS FOR 140 YEARS

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WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.80
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1600 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 10	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5 80	120 7 " "	4.20	12 14 " "	4.80
600 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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RED STANDARD POTS



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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Please mention the Exchange when writing.

SCOTCH SOOT



It Helps Your Carnations and Roses

Scotch Soot adds color to the bloom. Drives slugs and worms out of the soil. Should be used by all good growers.

100 lbs. $2.50; 500 lbs. $11.25; 1000 lbs. $20.00.



STUMPP & WALTER CO., Importers, 50 Barclay St., NEW YORK

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Imported Scotch Soot

100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th Street **New York**

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Prices Advertised for the Trade Only

DREER'S Florist Specialties.

KEYSTONE CEDAR PLANT TUBS.



	Diam.	Each.	Per.	100.
A	11 in.	.65	7.15	55.00
B	12½ "	.75	8.25	65.00
C	13½ "	.85	9.35	75.00
D	14½ "	1.00	11.00	90.00
E	15½ "	1.25	13 75	110.00
F	16½ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28 00

Painted Green.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Thanksgiving business was fine and everybody seemed to be well pleased with their share of it. Violets and Carnations were the only two scarce flowers; Chrysanthemums sold fairly well, and are still in demand, some good Bonnaffon and Chadwick being yet in the market. The growers of the Jabez Elliott Flower Market also had brisk business, cleaning up most of their stock at good prices.

I am in receipt this morning of a memoriam card announcing the death of Mrs. Josephine B. Deake, formerly of Asheville, N. C., now of Twin Falls, Idaho; probably there was not a better known lady in florists' circles than was Mrs. Deake, she being a prominent member of the S. A. F. [See obituary.]

E. C. GILLETT.

San Francisco

Business on the whole is all that one could desire, and conditions have improved greatly since last I wrote. Speaking generally, I think that both the growers and the retailers will have all the business they want from now on and until after Christmas. Am. Beauty Roses have become a little more plentiful, though there is not yet an abundance, the quality of the blooms has also improved, although there is still room for improvement. Killarney, White Killarney and Richmond are being brought in in about the usual quantity, and good prices are prevailing.

Carnations are coming into their own again; for a while the Chrysanthemum had the best of matters when it came down to popular choice, but a look around the flower stores shows that the Carnation is more popular than ever. Enchantress appears to be the leading variety at present, and, although large quantities of this variety are being sold, there is always a demand for more.

Chrysanthemums are still being marketed in large quantities, mostly all of the blooms being grown under glass, the recent rains having put a finish to the outdoor crop. In this line I noticed some very fine Bonnaffon in the market this week which were disposed of at good prices. The 'Mum growers have every reason to be satisfied; so far, they have had plenty of demand for their stock, and prices have been good all around. The great trouble in this section, during the earlier part of the season, is Chinese competition; there always will remain with us a certain number of retailers who

KILMDEAD



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THE BEST **Bug Killer** AND **Bloom Saver**

FOR PROOF WRITE TO

P. R. Palethorpe Co.
Owensboro, Ky.

Please mention the Exchange when writing.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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FERTILIZER

For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

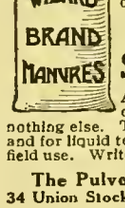
Fertilizers of all kinds at wholesale prices.

William M. Davidge, P. O. Box 5 Brooklyn, N. Y.

Please mention the Exchange when writing.

Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

Our Christmas Number will be issued December 10. We ask your patronage.

Orientals rather than buy good blooms from the white growers. There are lots of people who seem never to be tired talking about the "Yellow Peril" in California and the exclusion of the Asiatics, but I notice that those same people are the Chinks' best customers.

There was a heavy demand for Violets Thanksgiving Day and growers had no difficulty in meeting the demand. Cattleyas are very plentiful at present and some growers are finding difficulty in disposing of their blooms. The demand for these flowers, however, was never better than it is at present, and prices are holding up well. Green goods of every description are plentiful, with prices running about the same.

Notes Around and About Town

The Thorsted Floral Co. of Oakland has been doing an exceptionally fine business of late. This firm has been busy renovating their store the past week; white and gold is the predominating color of the stone fittings and the effect is very fine.

Serveau Bros. have been doing a splendid business in their new store on Post st. since they opened. This concern has been making a special feature of their window displays, which are, as a rule, both unique and attractive.

Fred. Henkel, late of Yokohama, Japan, has accepted a position with the MacRorie-McLaren Co. at San Mateo.

The Pacific Coast Hort. Society's monthly field day has become quite a popular outing, and their latest excursion to Stockton was a decided success, many of the members taking advantage of this opportunity to visit the growers in Stockton and vicinity.

MACMILLAN BROWN.

Baltimore

John Eberhardt, who has had charge of decorations for the past ten years for the Harmony Circle here, on Thanksgiving eve at Lehman's Hall had an elaborate decoration. Greens predominated. On the walls were curtains, 10x15 ft., made on wire netting, of Southern Smilax and Chrysanthemums, with artificial Roses, and a cluster of Palms in the center. Nine such pieces were seen. The gallery was decorated with Southern Smilax and Palms. The center chandelier was tastefully arranged with Southern Smilax. The stage decorations consisted of candelabra with Smilax and Palms, the ceiling also of Smilax. Palms were arranged along the hall leading to the dance hall. The local papers made especial note of these decorations. Ten cases of Smilax and two wagonloads of Palms were used; five men were necessary to complete the job.

George Mehl, Fullerton, Md., reports having still a good supply of 'Mums. He is improving his place, building a new road to his home. Mr. Mehl was a few years ago a farmer, but soon a brighter prospect presented itself in the florist business, and he has been successful.

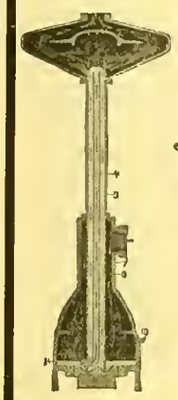
Washington, D. C.

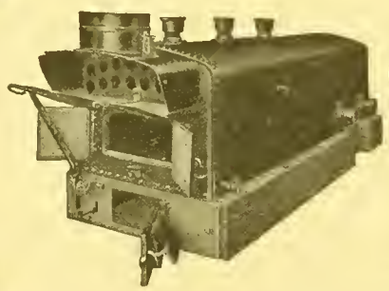
Thanksgiving Day was very encouraging to the trade, sales being far in advance of those of last year. The chief demand was for cut flowers, plants not being in any great demand. As cut flowers Chrysanthemums led, with Jeanne Nonin, Chadwick, and Golden Wedding as leaders. Roses and Violets were also eagerly bought, but owing to scarcity and some twelve hours' delay in receiving the latter there were but few to be had. Prices throughout were good, and in the wholesale market ranged as follows: Carnations, $3 to $4 per 100; single stem 'Mums from 75c. to $3 per doz.; Prime American Beauty Roses, $5 per doz., with prices proportionate on lower grades; Bride, Killarneys, My Maryland and Richmond brought from $4 to $5 per 100; Valley was in good demand at from $3 to $5 per 100, but hard to get; the bunch 'Mums sold at $1.50 to $3 per 100 bunches. Over the retail counter good American Beauty Roses brought $10 per doz., other Roses $1.50 to $3, and 'Mums from $2 to $6 per doz. There is a gradual increase in business activity every day.

Z. D. Blackistone reports Thanksgiving trade as having surpassed his expectations. In his window, which was well stocked, was a large "horn of plenty," covered with yellow cotton, over which were spirally placed yellow Pompon 'Mums and Asparagus. From the horn came a magnificent assortment of fruits and Squash, with some moss and small Ferns intermingled. W. M. Smith, formerly with Geo. Cooke, is now with Mr. Blackistone.

Mr. Haubert, formerly with Wm.

CAN SHIP ANY SIZE AT ONCE





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Telegraph Order

THE KROESCHELL GENERATOR should be on every Hot Water Heating System—it speeds up the circulation. SEND FOR CATALOGUE.

Kroeschell Bros. Co.
468 West ERIE ST., CHICAGO

Please mention the Exchange when writing.

Estimates Cheerfully Furnished

S. JACOBS & SONS

Get Our Prices and Catalogue

1365-1379 Flushing Ave. ESTABLISHED 1871 BROOKLYN, N. Y.

Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States



GREENHOUSE GLASS

20,000 Bxs. in Stock GLASS At Wholesale

LATEST UP-TO-DATE Twin-Section Boilers Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

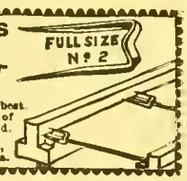
WE INVITE COMPARISON

OUR NEW VENT APPARATUS Will Lift Easy 100 Feet

DOUBLE LIGHT HOT-BED SASH Requires No Covers

Please mention the Exchange when writing.

Holds Glass Firmly See the Point of PEERLESS Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid. HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO. 3124 West Lake Street CHICAGO, ILL.

Please mention the Exchange when writing.

GREENHOUSE GLASS ALL SIZES 16x24 A. & B. Double a Specialty C. S. WEBER & CO., 10 Desbrosses St., New York

Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON 14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

Greenhouse Materials Furnished and Erected

IRON or WOOD SASH BARS In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

FRANK VAN ASSCHE, Fulton Ave., Rose Ave and Dwight Street JERSEY CITY, N. J.

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ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE P. O. Box 1697, N. Y. CITY

Our Xmas Number will be issued Next Saturday, December 10

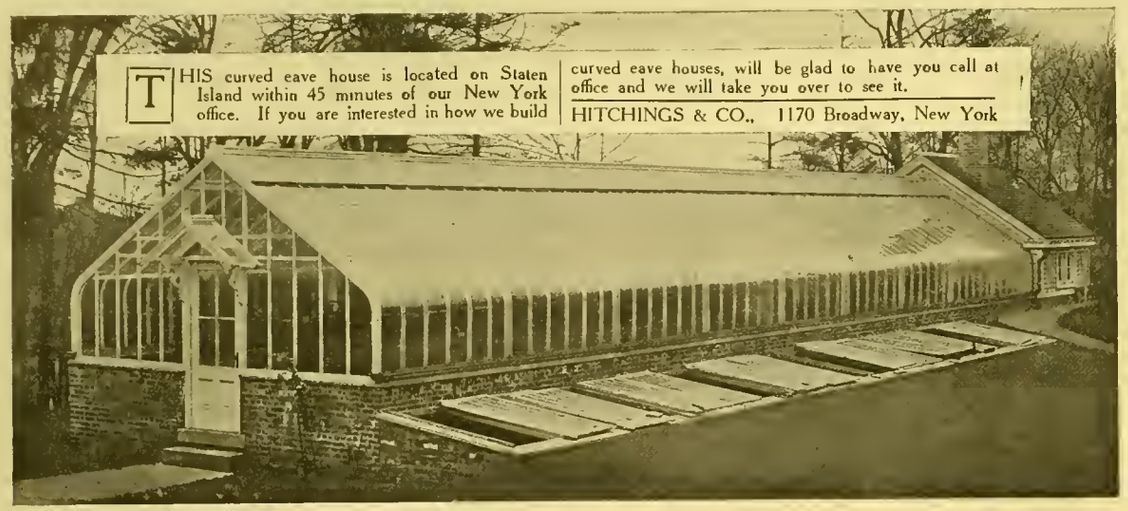
Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

F. E. BEST ADVERTISING MEDIUM —ALIVE AND UP-TO-DATE

PRICES ADVERTISED ARE FOR THE TRADE ONLY



THIS curved eave house is located on Staten Island within 45 minutes of our New York office. If you are interested in how we build curved eave houses, will be glad to have you call at office and we will take you over to see it.

HITCHINGS & CO., 1170 Broadway, New York

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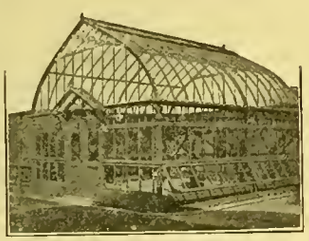

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CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

GEORGE C. PAPE, 2001 Addison Street BERKELEY, CALIFORNIA

Please mention the Exchange when writing.

Greenhouse Material of Louisiana Cypress and **Hot-Bed Sash** Washington Red Cedar

Greenhouse Hardware and Posts — Patent V and U Gutters

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT

Write for Catalogue and Estimate when figuring on your new houses

A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL.

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NOW IS THE TIME TO BUY

GLASS We Have Interesting Prices

SHARP, PARTRIDGE & CO.

Long Distance Phone Canal 880

CHICAGO, ILL.

Please mention the Exchange when writing.

Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS

VENTILATING MACHINERY

PECKY CYPRESS GLASS HOTBED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

Please mention the Exchange when writing.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog

GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

Our Xmas Number

will be issued

Next Saturday, December 10

Your special advertisement in this unrivalled business bringing issue is solicited.

Positively no advertising copy can be received after Wednesday, Dec. 7.

Marche, has returned from Texas, and accepted his old position.

The Florists' Exchange reports good sales and business improving.

The Non-breakable Flower Vase Co. are to start a man on the road this week.

Edw. S. Schmid has just received a complete line of very pretty and amusing holiday novelties.

Louis Freeman, son of J. R. Freeman, was married Nov. 16, to Miss Millis Brown of Georgetown, D. C. He is now employed by his father, having resigned his position with the Department of Agriculture.

J. R. Freeman is exhibiting the first Poinsettias seen, at the 13th st. store.

The Washington Florists' Co. had a Thanksgiving window display of Pumpkins cut to represent jardinières and filled with red berries and Pteris plants. They are also showing some good Lilies, Paperwhites, and the first Azaleas of the season.

There was a good demand on Nov. 26 for yellow and white Chrysanthemums, and good Violets, from patrons of the Army vs. Navy football game at Philadelphia.

Gude Bros.' Co. have a fine window display of hampers filled with Crotons, Nephrolepis superbissima, and Scotch Heather. Their aquatic window still lingers, but there are no Lilies.

Bunches of red berries with green are already being offered on the streets, also bunches of six Killarney Roses, the latter for 10c.

W. W. Kimmel is much better.

JAS. L. CARBERY.

Write today for new circular

TILE BENCHES & TILE BOTTOMS

Results are satisfactory. Many second and third orders.

TILE SIDES

Pipe Frame Benches with Tile Bottoms and Sides. Prices on any quantity.

THE CAMP CONDUIT CO.

613 Euclid Ave. - - Cleveland, Ohio

Please mention the Exchange when writing.

The Week's Work

(*Continued from page 1028*)

leaves, straw or fresh manure, as well as sash. Here, if kept dark and near the freezing point, your Boxwood and Holly will keep nicely for a long time, in fact all Winter. We all know how long Holly or bouquet green lasts when in a dry hot room, or lying about the store; in a very short time it is worthless, and that is where the profit goes. Underneath some Violet benches may be a good enough place to keep the made-up Holly wreaths, but a far better place is a frame, and it will more than repay its cost from now on until early Spring. You can buy at a better price by purchasing green stock in quantities, and what is, perhaps, of as much or more importance as price is the convenience in having the stock on hand when wanted. If at all possible, prepare a proper place.

Ericas

Most Desirable Christmas Plants

You no doubt will buy a few of these beautiful plants for your Christmas trade. There are many grand varieties among the Ericas, and some day we shall find a way whereby the average grower will be able to handle them; and not until then will there be great quantities sold. In the cities of Europe, the Ericas, as pot plants, during the Winter months are as important as anything grown. The smallest retail grower will have Ericas, and on that account they are as well known among the public as a Geranium is here, and for Christmas great quantities of E. gracilis and melanthera are sold. While in our country plenty of them are seen in the East, people in the West are but little acquainted with them. Don't make the mistake of having the plants intended for the holidays in a too warm house, they will not stand for it; 45 degrees is all they require. Use, also care in watering; don't allow anyone to play the hose on them.

Camellias

Every Retail Grower Should Have a Few

If you only have a few of these great old favorites where your customers can see them when in bloom, you are bound to create a demand for them. With all their stiffness, and stemless flowers, which are odorless, they are beautiful, and pot plants in bloom always find admirers. Age has nothing to do with the blooming of a Camellia; the smallest plants will bloom; but keep them, like the Ericas, in a cool house, rather below 45 degrees. A sudden change from a cold to a warm house and every bud on the plant will drop. You will have them at their best, whether planted out or in pots, in cool quarters.

Freesias

Treatment for the Early Planted Stock

The early planted stock of Freesias, stock intended for Christmas blooming, should now show bud. There is no trouble in getting Freesias into bloom. When once the first sign of a bud appears, it is simply a matter of temperature, and if the plants are in bulb pans or low dishes it is an easy matter to get them in on time by placing the stock in a Rose house temperature. I wouldn't advise this treatment for any which do not show buds by this time—don't run the risk. For the man who doesn't make a specialty of Freesias it matters little whether he gets his first flowers a few days earlier or later, as long as they are good when he does get them. The early stock, whether in pots or planted out, by this time should be nicely supported in some way, and while a Freesia plant will support itself when not in bloom, hardly ever is it strong enough to hold up its flowers, and if there is anything that is of little value it is a Freesia in bloom when the plant has been allowed, for the want of support, to make a crooked stem; this means a loss to the grower, and the early plants are far more in need of support than the late ones; the nearer we get to Spring, and the cooler Freesias are grown, the stronger the growth and the shorter and stockier the stem. It isn't by any means too late to plant Freesia bulbs now, and planting can be done during the whole month. By late planting, and a Violet house temperature, you can have them for Easter, at which time pans of Freesias, with their Lily shaped little flowers, make most desirable plants.

Propagating

The Present a Good Time to Take Cuttings of Bedding Stock

We have hardly got things into shape for the Winter months, and have the

METROPOLITAN MATERIAL CO.

1398-1408 METROPOLITAN AVE., BROOKLYN, N. Y.



ALL SIZES OF

Hot Water and Steam Boilers

carried in stock ready for shipment. Send for catalogue and prices. We have a few more Second Hand Boilers left.

New and Second Hand **PIPE**

Any quantity, or cut to sketch.

New Fittings and Tools

At prices paid for old.

A Large Stock New and Old

Single Light Double Light

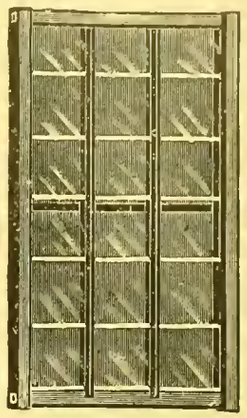
Hot-Bed Sash

Hot-Bed Frames

Clear Louisiana Gulf Cypress

Greenhouse Material

GLASS in lots of 50 boxes or over at car load prices.



Send for printed matter describing our Sash, Ventilating Apparatus, Bench and Greenhouse Fittings.

Please mention the Exchange when writing.

stock plants established, when we have to think about propagating again, in order to get a stock ready for next Spring; and while there need be no hurry, it might be well to call attention to the advantages of getting busy in this line now. No sooner has the last order for Thanksgiving Day been delivered when we forget about it, and our whole attention is directed toward Christmas. With most of us, this is a great holiday; in fact, Christmas week, or half of the month, is often occupied in getting ready for that day, and little else is done or thought of. It is only after New Years that we begin to take notice of other things. But it isn't a bad idea at all to put into the propagating bench a nice batch of cuttings; that is, before you get too busy. In a month most anything in the line of bedding stock such as Geraniums, Fuchsias, or other stock you are short of will root nicely, and after the holidays will be ready for pots. This means a great deal to some of us. No matter how careful we may be nor how well we plan, there seems to be always something we forget or are short of. Have you ever noticed that while you had, say, last year great quantities of a certain plant and had them in fine shape so that they sold well, you haven't any this year? This might be called poor management, but there are few to whom it doesn't apply. No better time than the present to fill up the propagating bench. Let the cuttings root while busy with the Christmas trade. It really feels good to be able to get ready after Christmas for the potting up of a few thousand plants of Geraniums or some other stock, the cuttings of which were put into the sand the first week in December.

Carnations

Time to Think About Propagating

While I might have included the Carnation cuttings in the notes on propagating, the Carnations are of such importance to us that they deserve extra space in order to call attention to the fact that it isn't any too early to start propagating, at least from those varieties on which we are short, and the new varieties which are to be more extensively grown another year. What I consider the most important thing, outside of a healthy cutting, to start out with, is cleanliness in the house, propagating bench, sand and everything else. Most of us have seen some awfully sick cuttings and plants in the newest uptodate as well as most perfectly kept houses. That, however, is no excuse for not keeping a place clean. The careful grower will not run any chances on anything which might prove injurious to the stock. When once infected with disease, no matter of what nature, the profit will surely be smaller. Why then take such risks? If you are using wooden benches, have them clean and thoroughly dried out before whitewashing them or filling them up with sand. Let the sand be fresh and, if possible, not too fine. It is all right to use sand over again, but, whenever possible, for Carnations fresh sand for every new batch of cuttings is best. Every cutting taken now will root, and while I, personally, do not care for bottom heat in order to lessen the time it requires to effect rooting, there are but few propagating benches which haven't bottom heat, and care should be used in getting the rooted stock out when ready. The sand is no place for any rooted cutting; the quicker it goes into soil the better.

Pansies

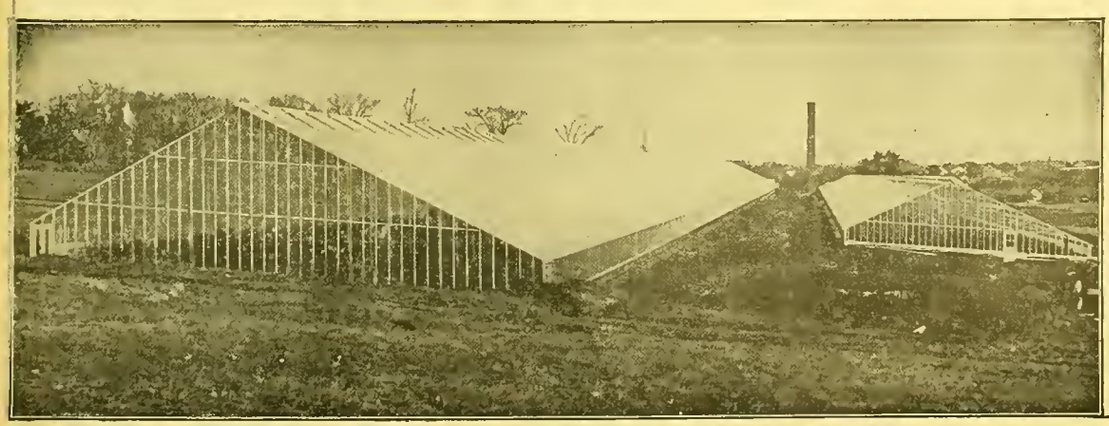
Winter Protection for the Plants Outdoors

If we ever do lose any Pansies during the Winter months the loss is mostly due to either no protection at all or too much of it; one is as bad as the other. This holds good with most of our perennials and biennials. We are very apt, in the rush of work, to overlook some or kill others with kindness. To begin with, too early covering is bad; by that is meant to do much protecting before December 1. A good frost does not hurt any of the plants mentioned, but freezing and thawing, if repeated often enough, does. The ideal material for covering a Pansy frame consists of Spruce boughs; these, when laid over the plants carefully and covered with leaves or long straw manure, will be found the very best of protection. Whenever it is too expensive to use evergreen boughs, care should be taken not to get a covering which lies too heavily on the plants, and on that account, perhaps, cause rot. Those who have Pansies, English Daisies and Forget-me-nots, which are to be over Wintered outofdoors should get ready to apply a proper Winter protection now; and this also should include the looking after sufficient surface drainage. Only too often great damage is done by having Pansies in frames where the snow and ice will, when melted, have no way of getting out; the water has to remain until such time in Spring when the frost has left the soil. If you have hardy stock in the field, look out for proper surface drainage, it is so important. Frequently, a few hours' work at this time, digging small trenches to create an outlet for a low place means the saving of valuable stock. If any covering is to be done, and you can get dry leaves, spread them on top of the stock and use such material as boughs, brush or horse manure to hold the leaves in place. But the use of wet leaves, or half rotted manure, such as will lie heavily on the plants is wrong, at least for such plants as Shasta Daisies, Gaillardias, Digitalis, Dianthus, or any other plants which retain all or a part of their foliage during the Winter months.

TROY, N. Y.—Harvey Collins has purchased the Tenendaho greenhouses on North Main st. and has taken possession.

ALBANY, ORE.—W. S. Duncan, recently of Seattle, Washington, is erecting a modern range of greenhouses here. He already has 1000 ft. under glass.

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A.T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

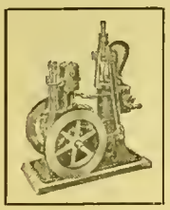
GREENHOUSE CONSTRUCTION

WE CAN FURNISH YOU WITH IRON FRAME HOUSES AT REASONABLE PRICES SEMI-IRON FRAME HOUSES VERY INEXPENSIVE CONSIDERING THEIR QUALITY, AND OUR PIPE HANGERS, SHELF BRACKETS AND VENTILATING MACHINERY ARE THE LAST WORD IN THAT LINE.

SEND FOR OUR BULLETINS

KING CONSTRUCTION CO.

NORTH TONAWANDA, N. Y.



NO TANK NEEDED

THE Standard Pumping Engine may be used to pump directly into the pipe line system without the use of storage tanks of any kind, and it can also be used with any other kind of elevated or air pressure systems. A few cents worth of gas or gasoline each day will give you plenty of water at high pressure every day of the year.

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP AND ENGINE CO., 15 Michigan st., CLEVELAND, O.

Please mention the Exchange when writing.

JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes
Send for Circulars and Estimates

260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.



Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

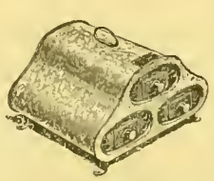
U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

Please mention the Exchange when writing.

PROTECTION

Of your plants from freezing. This can only be done by using a celebrated

LEHMAN WAGON HEATER



☞350,000 are in use by Florists, Horsemen, Doctors and Farmers. They burn Lehman Coal (from which there is no smoke or danger) at a cost of less than ½ cent per hour.

CAN YOU AFFORD TO BE WITHOUT ONE? BEWARE OF IMITATIONS.

For circular and price list write

LEHMAN BROS.
MANUFACTURERS
10 Bond Street, NEW YORK

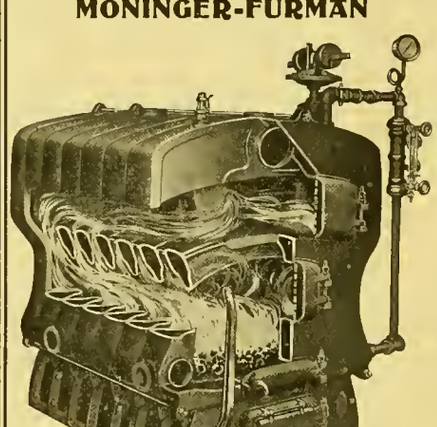
J. W. ERRINGER, General Western Sales Agent
45 East Randolph St., CHICAGO, ILL.

OUR XMAS NUMBER

Will be issued on **Saturday, December 10, 1910**

Your special advertising for this great Business Bringing Issue is solicited. Forms close Wednesday, Dec. 7, first mail.

THE MONINGER-FURMAN



"Keeps heat in the Boiler and coal in the Bin."
For Steam or Water.

Do You Know

that we sell the greenhouse complete or any part of it?

That our prices are low enough for you to save money, no matter where you live?

That our construction is up-to-date and the best for commercial greenhouses?

That you are losing money if you have never tried our goods?

That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

JOHN C. MONINGER CO.
CHICAGO
906 Blackhawk Street

Please mention the Exchange when writing.

A. HERRMANN

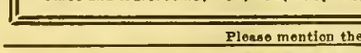
Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Please mention the Exchange when writing.



FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $3.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.60; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St.

Please mention the Exchange when writing.

GLASS

Greenhouse and Hot-Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

CHARLES H. DODD

GREENHOUSE BUILDER
HEATING AND VENTILATING
IDEAL GREENHOUSE BOILERS

Materials Furnished or Erected

576-580 Ocean Ave., JERSEY CITY, N. J.

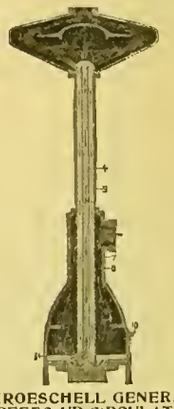
Please mention the Exchange when writing.

Christmas Present

GET ONE FOR YOUR BOILER
Equal to Steam

Your system of piping together with your improved greenhouse Generator is an improvement over steam in many ways. We were on the market to buy high pressure steam but after receiving such reports of your improved hot water system we concluded that your experience was worth something, and we have been delighted at the result, and so glad we put in the Generator Hot Water System, instead of steam.

W. J. Miller & Son, Pontiac, Illinois.



THE KROESCHELL GENERATOR IT SPEEDS UP CIRCULATION

Kroeschell Bros. Co.

468 West Erie Street
CHICAGO, ILLINOIS

Please mention the Exchange when writing.

CHRISTMAS NUMBER

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 24 NEW YORK AND CHICAGO, DECEMBER 10, 1910 One Dollar Per Year

Amherst MASS

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 4-in. pots, $2.50 per dozen; 6-in., $6.00 per dozen; 8-in., $12.00 per dozen; large specimens in 12-in. pans, $3.00 to $5.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 per dozen.

Nephrolepis Scholzeli Fine plants, 3½-in. pots, $2.50 per dozen; 6-in. pans, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per dozen.

Nephrolepis Scottii 8-in. pans, $12.00 per dozen.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cyrtomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

For Special Offer of BULBS, see page 1043.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

6-inch pans, strong bushy plants..... $0.50 each, $6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE

5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50, $2.00 and $2.50 each.

ADIANTUM CROWEANUM
4-inch pots, $15.00 per 100.

COCOS WEDDELLIANA
3-inch pots, $15.00 per 100.

FICUS PANDURATA
6-inch pots, $1.00 each.

JERUSALEM CHERRIES
Short, stocky plants, $2.50 per doz., $20 00 per 100.

GARDENIAS
6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS
5-inch pots, 75c. each, $9.00 per dozen
6-inch pots, $1.00 each, $12.00 per dozen

BEGONIAS GLOIRE DE LORRAINE

5 inch pots..... .....50c each; 6 inch pots.....75c and $1.00 each.

ASPARAGUS SPRENGERI
2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS
2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.

LILY OF THE VALLEY CLUMPS

$15.00 per 100.

Please mention the Exchange when writing.

AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown...	$8.00	$60.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Bulb Surplus

		Per 100	Per 1000
2500	**Victoria Narcissus,** double crown	$1.25	$11.00
4000	**Victoria Narcissus,** single crown	.80	7.00
1000	**Poeticus Ornatus**	.75	6.50
1000	**Princeps**	.80	7.00
1000	**Golden Spur,** large size	2.00	18.00
4000	**Murillo Tulips**	1.25	10.00
800	**Proserpine Tulips**	2.00	18.50
800	**Vermilion Brilliant Tulips**	2.25	20.00
500	**Tournesol Tulips**	1.60	15.00
9000	**Spanish Iris,** 5 varieties	.40	3.50

HYDRANGEA OTAKSA

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case.....	$4.00	$35.00
6x7, 335 to the case.....	5.50	50.00
7x9, 200 to the case.....	9.00	80.00

CASE LOTS AT 1000 RATES

LiliumFormosum

	100	1000
7x 9, 300 to the case...	$8.00	$70.00
9x10, 200 to the case...	10.50	95.00

CASE LOT AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case...	$7.00	$60.00
8x10, 225 to the case...	10.00	90.00
9x10, 200 to the case...	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

SPECIAL

Some few Specials that are not seen as frequently as they should be. We offer fine Stock from 3 inch pots.

GERANIUMS, Silver Leaf S. A. Nutt.
GERANIUMS, Mountain of Snow.
IVY GERANIUMS, Variegated-Leaved Eleganta.
VARIEGATED ROSE GERANIUMS, Lady Plymouth.
COLEUS, Brilliancy.
TRADESCANTIA, Zebrina Multicolor, 2 inch.

GERANIUMS

500,000 ready for shipment. A good assortment of Ivy-Leaved, Scented and Standard Varieties, from 2 inch pots, at $2.00 per 100, $18.50 per 1000; from 3 inch pots at $3.00 per 100, $25.00 per 1000.

SPECIAL COLLECTION 1000, 50 each of 20 distinct kinds, every one a good one, from 2 inch pots, $18.50; from 3 inch pots for $25.00; cash

	2-inch per 100	3-inch per 100
COLEUS, Golden Bedder, Verschaffeltii, and Other Kinds	$2 00	$3.00
LANTANAS, 10 Varieties	2 00	3.00
HELIOTROPE, Assorted	2 00	3.00
FUCHSIA, 6 Kinds	2.00	3.00
SWAINSONA ALBA	2.00	3.00
LEMON VERBENAS	2.00	3.00
ALTERNANTHERA, 6 Varieties	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 1051



Christmas Offering!

	100	1000
LILIUM Harrisii, 5-7	$3.00	
7-9	6.00	
9-11	20.00	
FREESIAS, Selected	.35	
TULIPS, Artus, Scarlet	.90	$7.50
Chrysolora, Yellow	.65	5.00
Pottebakker, Yellow	.80	7.00
Double Rex Rubrorum	1.25	10.00
Double La Candeur	.90	8.00
WHITE ROMAN HYACINTHS, 12-15 ctms.	1.80	
13-15 ctms.	2.00	
DUTCH ROMAN HYACINTHS	1.25	12.00
DUTCH HYACINTHS, Mixed	2.00	
NARSISSUS, Von Sion, Selected		12.00
GLADIOLUS, Colvillei, The Bride	.75	6.00
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA Japonica, extra strong	5.00	
Gladstone	9.50	
STAR OF BETHLEHEM	1.25	
CROCUS, Mixed	.35	2.50

CHINESE SACRED LILIES, $1.25 per basket of 30 bulbs.

IMMORTELLES, in colors, $2.50 per dozen.	Tr. Pkt.	Oz.
BELLIS perennis, Mixed	$0.20	$1.00
MIGNONETTE, Goliath	.25	2.00
PETUNIA Grandiflora, Mixed	1.00	
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

To Follow the Chrysanthemums

Our New Crop of **SWEET PEA** and **STOCK SEED,** to plant now, to fill the benches with the most profitable two crops for the Florist.

SWEET PEAS

Our Sweet Peas are grown with the greatest care, from our own carefully selected stocks. **New crop seed has just arrived,** and orders can be shipped at once.

	Oz.	¼ lb.	Lb.
CHRISTMAS FLOWERING, White	$0.10	$0.35	$1.00
CHRISTMAS FLOWERING, Pink	.10	.35	1.00
CHRISTMAS FLOWERING, Red	.15	.50	1.50
MRS. ALEX. WALLACE, Lavender	.15	.50	1.50
MRS. WM. SIM, Salmon Pink	.15	.50	1.50
MRS. E. WILD, Brilliant Red	.15	.50	1.50
FLORENCE DENZER, White	.15	.50	1.50
LE MARQUIS, Dark Blue	.20	.70	2.50
MRS. W. J. STEWART, Bright Blue	.15	.50	1.50
ASTA OHN SPENCER	.25	.75	2.00
COUNTESS SPENCER, True Pink	.10	.25	.75
KING EDWARD SPENCER	.25	.75	2.00
HELEN LEWIS SPENCER	.10	.35	1.00
BLANCHE BURPEE, Pure White	.10	.25	.75
BURPEE'S WHITE SPENCER	.10	.35	1.00
COUNTESS OF RADNOR	.10	.20	.50
COUNTESS OF LATHAM	.10	.20	.50
EARLIEST SUNBEAMS	.10	.25	.75
EARLIEST OF ALL	.10	.20	.50
FLORA NORTON	.10	.20	.50

Why not plant your Sweet Peas outdoors this Fall, and get the benefit of the very earliest start in the Spring? Beds properly prepared now with well rotted manure, and the seed planted at a depth of 4 inches, with a light covering of hay or any suitable material, will more than pay for the experiment.

STOCK SEED

For Spring Blooming in the Greenhouse

	Tr. Pkt.	¼ oz	1 oz.
IMPROVED GIANT PERFECTION, White	$0.25	$1.50	$5.00
BEAUTY OF NICE, Flesh Pink	.25	1.25	4.00
QUEEN ALEXANDRA	.25	1.25	4.00

Stumpp & Walter Co 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Stokes Seeds Philadelphia — Salvia Seed For Seedsmen

I have a small surplus of my own growing at "*Floracroft Gardens*" as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
SALVIA Clara Bedman or Bonfire	1.60	16.00

ALL 1910 CROP

STOKES' SEED STORE
219 Market Street Philadelphia, Pa.

Please mention the Exchange when writing.

15 Pounds Fireball Salvia Seed

Pure, Fresh, home grown seed.

ASK FOR PRICES.

ALBERT NIRK, East Nutley, N. J.

Please mention the Exchange when writing.

CANNAS

One Million Sound, Plump Roots, 2 to 3 eyes, and true to name; over 100 leading kinds, $7.00 per 1000 and upwards. CANNA SEED, 1910 Crop, All Kinds Mixed, $1.00 per lb. Also DAHLIAS, GLADIOLUS, IRIS, ETC. SHELLROAD GREENHOUSES, Grange BALTIMORE, MD.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

PETUNIAS

Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

We are also large growers of other Small Seeds. **Send for Trade List.**

THEODOSIA B. SHEPHERD CO.
Ventura, California

Please mention the Exchange when writing.

COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Braziliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapida	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneti	1 50	12 00
eriospatha	1 50	12 00
Garnieriae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
odorata	1 50	12 00

MacRORIE-McLAREN CO.
711-714 Westbank Building, San Francisco, California
NURSERIES, SAN MATEO, CALIFORNIA SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK



Please mention the Exchange when writing.

PRICES ADVERTISED ARE FOR THE TRADE ONLY

FOR WINTER FORCING

MAMMOTH ASPARAGUS ROOTS

Per dozen..... $1.00 Postpaid
" 100..... 4.00 "
" 1000..... 35.00 "



MAMMOTH RHUBARB CLUMPS

Per dozen..... $1.75
" 100..... 10.00

SELECTED MAMMOTH ASPARAGUS ROOTS

From a renowned specialist, will force in four weeks, the most tender and delicious Asparagus. Can be forced under Greenhouse benches or in Cellars. Customers were delighted with their success last season, and are doubling their orders. 250 roots will be sold at the 1000 rate. Special quotation will be given on large lots. Write for our Wholesale List for Florists and Market Gardeners. Just issued.

JOHNSON SEED COMPANY, 217 MARKET STREET, PHILADELPHIA, PA.

Please mention the Exchange when writing.

XXX SEEDS

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, Giant, single fringed large and fine, pkt. 20c.
PETUNIA, Giant Double Fringed, very fine, trade pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact. Large pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 600 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c. A wonderful bloomer.
CINERARIA, large-flowering dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 200 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz., $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c. Best New Giants.
LOBELIA, EMP. WM., dwarf, very dark blue, finest of all the Lobellas; pkt. 20c.
TORENIA FOURNIERI, New Giant, extra fine, pot plant, pkt. 20c. Showy.
CANDYTUFT, New Giant Hyacinth-flowered, a great cutter, pkt. 20c.
ANTIRRHINUM NOVELTIES. Defiance, fiery scarlet; **Black Prince**, nearly black; **Queen Victoria**, finest white. **Mixed**, or **Separate**, pkt. 20c
SWEET WILLIAM; new colors of **large white-centered**, fine, pkt. 20c.
COLUMBINE, New blue with yellow spurs, extra, pkt. 20c. Grand Novelty.
SHAMROCK, Irish Green, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of **white, scarlet, pink, striped** and **auricula-eyed**. Large trade pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP
FLORIST SEEDSMEN
SHIREMANSTOWN, PA.

Please mention the Exchange when writing.

!! SPECIAL OFFER F. O B. YOUR DEPOT !!

Prices hold good as long as stock is on hand: Per 1000
Hyacinths, mixed colors, separate $20.00
Hyacinths, miniature, true to name 18.00
Hyacinths, second size, true to name 35.00
Hyacinths, first size, true to name 50.00
Tulips, single, in finest mixture, separate colors. 7.00
Tulips, single, Artus 10.00
Tulips, single, Keizerkroon 11.00
Tulips, single, La Reine 8.00
Narcissus, von Sion, double-nose, extra fine 12.00
Spiræa, Gladstone, fine, heavy clumps $9.00 and $12.00 per 100
Spiræa, Queen Alexandra, fine clumps, $16.00 per 100.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED
MANGOLD, SWEDE, TURNIP SEED
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

Please mention the Exchange when writing.

Begonia Seeds

From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties. Trade packet of 10,000 seeds, $1.00; ½ trade packet, 50c. Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO,
Radish, Pea, Muskmelon,
Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

THE W. E. BARRETT CO.
PROVIDENCE, R. I.
One of New England's Oldest Seed Houses
GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE

Please mention the Exchange when writing.

GARDEN PEA SEED

Gradus, Thos. Laxton, Sutton's Excelsior and others of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.

Preliminary Wholesale List now ready.

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.

Please mention the Exchange when writing.

Surplus Salvia Seed

	Per oz.	Per lb.
10 lbs. Bonfire, or Clara Bedman	$2.25	$15.00
8 lbs. Grandiflora	2.25	15.00

The Grandiflora I consider one of the best of the seven varieties which I grow, being new it is not known It is an early bloomer, spikes about 15 inches long, very compact and large flowers, color similar to Bonfire but habit of Splendens.

Order early as my stock is limited.

CARLMAN RIBSAM
31 Wall Street, Trenton, N. J.

Please mention the Exchange when writing.

Commercial Violet Culture
PRICE, $1.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Nov. 28.—S. S. Birkenfels.—McHutchison & Co., 12 cases living plants; W. Hageman & Co., 115 cases Lily pips; C. F. Meyer, 165 cases Lily pips; J. Ter Kuile, 40 cases Lily pips; Maltus & Ware, 42 cases Lily pips; J. W. Hampton, Jr., & Co., 10 cases dry plants; F. B. Vandegrift & Co., 151 cases Lily pips; Vaughan's Seed Store, 1 bag seed. Nov. 29.—S. S. Hellig Olav.—M. Cushman & Co., 3 bags seed; Marner Hasy Co., 1 bag seed; L. P. Grinson & Co., 3 pkgs. seed; H. Nungesser & Co., 400 bags seed; J. P. Roosa, 21 bbls. flower seed; W. H. Smallwood & Co., 3 cases plants; Stumpp & Walter Co., 3 cases shrubs and trees; A. T. Boddington, 10 cases plants; Anton Schultheis, 3 cases plants; H. F. Darrow, 30 pkgs. garden seed, 14 cases trees; Wadley & Smith, 11 cases trees; McHutchison & Co., 53 pkgs. trees; Lunham & Moore, 2 cases trees; Stumpp & Walter Co., 2 cases roots; C. D. Stone & Co., 13 bags garden and flower seed. Nov. 30.—S. S. Trent.—O. G. Hempstead & Sons, 60 cases Lily pips. Dec. 1.—S. S. Gothland.—J. M. Thorburn & Co., 3 cases bulbs; O. V. Zangen, 1 case bulbs; Vaughan's Seed Store, 4 cases bulbs; P. Henderson & Co., 2 cases bulbs; O. G. Hempstead & Son, 7 cases bulbs.

European Notes

The cold wave has increased to such an intensity that the coldest November day during the past sixty years has been recorded during the present week. As the week is closing milder conditions have set in and work upon the land is once more possible.

A hasty look over some of the later sown Turnip plants does not reveal any serious injury at present, where they are growing on a fairly warm soil, but in the northern half of England the growers report that serious damage has already been done. The demand for this article from your side is so great that practically every pound that will be produced is already contracted for, and any serious loss of plants must of necessity be very disquietiug. The Mustard beetle worked great havoc among the young plauts before the frost set in and stopped its ravages, but the remedy appears to be even worse than the disease.

Rutabagas are not suffering at present, but April aud May are fatal months for this particular crop.

The threshing and dressing of Onion seed is now nearly complete and the crops are simply deplorable. As a result prices are mounting all 'round. Lisbon Winter Ouion is worth fully three times the average price, and the yellow Strasburg is offered by the French growers today at nearly five times as much as on the corresponding date last year. Red Wethersfield is hardly procurable at any price, while the Zittauer and other German varieties have likewise increased in value fully three hundred per cent. All the

In Japan there are two kinds of Giganteum grown, the "flat-head" and the tall bulb. The former is planted near the top of the soil where the hot sun can bring it to size very quickly (at the expense of its vitality and quality). Of course, all Giganteum cannot be the best and growers are obliged to sell the inferior article for three reasons: —First, because many people buy an article just because it is cheap; second, because dealers must buy very cheap from Importers to make a profit; third, because many people don't know the difference.

The Grower who wants to make money and maintain a modern shop, must buy economically; that means, he must buy stock which will net the most profit. The profit is in the blooms of Lily bulbs and so he must buy the bulbs which net the most blooms on the average. That's Horseshoe Brand Bulbs—they will average the highest cut per 1000 bulbs of any brand known.

Prices Reasonable.

RALPH M. WARD & COMPANY
"Not How Cheap—But How Good." 12 WEST BROADWAY, NEW YORK

Order your Cold Storage Bulbs now.

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Gnibriatom Carmineo-Marginatum	8.00	1.00
lory of Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—It's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN Giant Strain

Brilliant, deep crimson extra. **Excelsior**, white, claret base. **Grandiflora Alba**, giant pure white. **Mauve Queen**, mauve. **Mont Blanc**, white. **Picturatum**, giant light rose, claret base. **Prince of Wales**, giant bright red. **Rosy Morn**, delicate rose, tinted claret base. **Giant Salmon King**, extra large beautiful pink. **Sunray** pink, claret base. **Finest Mixed**, all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

Please mention the Exchange when writing.

Fischer's Cyclamen Seed

Glowing Dark Red (darkest color)
Glowing Red
Pure Pink
Pure White
White, with Dark Eye
60 cents per 100
$5.00 per 1000

Salmoneum 75c. per 100 $7.00 per 1000
Ruhm von Wandsbeck, (PRIDE OF WANDSBECK)
The best growing salmon sort, $1.00 per 100 $9.00 per 1000
Fimbriatum carmineo marginatum,
white and pale rose, with dark eye, and heavily fringed broad red edge. 75c. per 100; $7.00 per 1000.

FERD. FISCHER, Cyclamen Specialist Wiesbaden-Aukamm GERMANY

We have received over 500 Testimonials.

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Surplus Stocks

	100
SPIREA, Gladstone	$8.50
SPIREA, Peach Blosaom	9.50
SPIREA, Queen Alexandra	9.50
SPIREA, Floribunda	5.00
DIELYTRA, strong clumps	6.00

Fresh Tobacco Stems

Bale of 300 pounds, $1.75; Ton, $9.00.

W. C. BECKERT

103 Federal Street

PITTSBURGH, PA., (North Side)

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catlog free on application

The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Heneoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

FOR THE BEST New and Standard

DAHLIAS

Peacock Dahlia Farms

Post Office. Berlin, N. J. Williamstown Junction, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2 62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days, 60 days net. All in original bags weighing 200 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 92 Years

Please mention the Exchange when writing.

silver white Italian Onions are cleared out, and the small surplus of the colored varieties is wanted for home trade. The cold weather has caused very heavy sales of the Onion bulbs, at very remunerative prices to the growers, and as they are not keeping well, owing to the lack of sunshine, it is not likely that any large acreage will be planted for next year. This remark only applies to the hard and long keeping varieties; the Provence growers are almost certain to make the usual plunge on Lisbon, and with the customary result.

It seems almost impossible to produce anything new in Onions, but Germany provides us with a distinct acquisition in "Ironhead," one of the largest, heaviest, mildest and longest keeping varieties that we have yet seen. The other extreme is furnished by a new Italian variety named "Marvel of Pompeii," which was raised close to the ruins of that unhappy city and is without doubt the very earliest silver white variety in existence. Its habit of burying itself in the soil maintains the purity of the color. It is the *beau ideal* of a pickling variety, as it is strictly two bladed, while for the production of the tiny bulbs served up in such appetizing fashion by the French chef with his *Petit Pois* it has no equal.

Celery is comparatively unimportant in comparison with Onion, but the almost entire failure of this article this season, especially the golden self-blanching and the white plume varieties, is causing us very great anxiety. The plants for next year are badly infested with the Celery maggot in practically every district, and this being a somewhat expensive plant to cultivate, growers are becoming discouraged. EUROPEAN SEEDS.

American Notes

Winter Weather and Good Trade

Late as it is in the year for bulb business, the retail counter sales of Hyacinths, Tulips, Crocuses, etc., are very good indeed, and this branch of trade added to the usual extra Christmas business of those seedsmen and dealers who make a specialty of holiday orders has, altogether, made a busy week.

These continued sales of Dutch bulbs so well into December are most acceptable, helping very much, as they do, to closely and evenly clean up the remaining stocks in this line. Many seedsmen, in fact, are buying "odds and ends" to fill out their remaining orders, and surely the first of the year will find very little on hand in the so-called Fall bulbs, which condition is very satisfactory to all concerned.

Christmas business is beginning in earnest, and those dealers, especially outside the very largest cities, who cater to this line are beginning to have their hands full. It is really surprising how naturally and easily one line of goods adds to another at the holiday time with the seedsmen. Not only does trade in this direction mean Christmas trees, Holly, decorative greens, etc., but also goldfish, Canary birds, ribbons, Immortelles, Cape Flowers, etc., and with seedsmen and dealers who are so located that they have a goodly call for cut flowers, these can also be added with most lucrative returns; but it may be well to mention here to those dealers who are putting cut flowers into stock for the first time, that it is the comparatively inexpensive flowers that sell best and most surely at Christmas time, as the average transient purchaser in buying cut flowers wishes, as a rule, to spend say from $1 to $2 for a box of loose flowers, and in order to supply this demand at a good profit it is well to keep pretty close to Carnations and good cut bulb stock, of course helping out the same with an ample allotment of greens such as hardy Ferns, Galax, Smilax, and perhaps a little Asparagus. The writer calls the attention of seedsmen and dealers to this line of Christmas trade, for it will certainly turn out with many dealers, as Christmas approaches, that the demand for the same will be so urgent they will feel that a conservative stock in this direction will not only prove satisfactory to their customers but will also be good business for themselves.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store

CHICAGO 84 RANDOLPH STREET NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.

Violet Plants

Gov. Herrick and Princess of Wales, fine field clumps, $5.00 per 100; $45.00 per 1000.
Lady Campbell, field clumps, $4.00 per 100; $35.00 per 1000; second size, $20.00 per 1000.
PANSIES, none better at any price, fine plants, $2.50 per 1000, $10.00 per 5000.
DAISIES (Bellis) and FORGET-ME-NOT, the same as Pansies.
PARSLEY, CELERY and CABBAGE PLANTS, $1.00 per 1000, $7.50 per 10,000.
PRIMULAS, Chinese, 2½-inch, $2.00 per 100, $6.00 per 300.
ASPARAGUS Sprengeri, fine plants, 2½ inch, $1.50 per 100, $12.50 per 1000; 4-inch, $6.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $6.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the Exchange when writing.

Spring Bulbs

It is not at all too early for an urgent word or two regarding the sales of the so-called Spring bulbs, for so important have bulbs become in the Spring as well as in the Fall that provision should be made well in advance of the season for an adequate supply. It will be borne in mind that, for many years past in this column, it has been mentioned that the demand for Spring bulbs has been increasing by leaps and bounds, and especially has this been so during the last half dozen seasons, until now such items as Gladioli, Dahlias, Cannas, etc., have come to be wanted in practically unlimited quantities. The Spring planted bulbs are certainly ever growing favorites with the makers of the small gardens, and for the reason that bulbs are always so satisfactory and sure to bloom, for, so to speak, they only need development to produce their flowers, and under any reasonable conditions will do so most profusely.

Set Your Own Price

To close out our supply of Tulips, Hyacinths, Narcissi, Crocus, Anemones, Ranunculus, and Other Fall Bulbs, we make the following proposition:—

Send us your order; set your own price at what they are worth to you; the chances are we will accept your offer.

James Vick's Sons
ROCHESTER, NEW YORK

Please mention the Exchange when writing.

Onion Seed—Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., - Chillicothe, Ohio
Please mention the Exchange when writing.

It may be mentioned here that the tendency for growing named varieties and special colors of bulbs, which has been so marked the past Autumn with the Dutch bulb stocks, seems to be extending itself to the Spring bulbs also, as garden makers evidently are studying color effects and the use of special sorts more than ever before; it would, therefore, seem well for dealers to consider this fact when arranging for their supplies of Spring bulbs for the coming season. Of course, there will be needed, as usual, goodly quantities of the popular mixtures of varieties, but there will also he needed, as the seasons pass, increasing quantities of the named varieties and special colors, and this matter should not escape the attention it certainly deserves. In preparing catalogs and Spring lists of seeds, it would be well to devote ample space to Gladioli, Dahlias and Cannas and, in fact, a good full line of the easily grown Spring bulbs.

Maintaining Seed Prices

The best element in the seed trade has for a long time, and especially during the past four or five years, since wholesale and retail rates for seeds have been so high as compared with the average of the past two decades, given earnest thought and very serious consideration to what would seem to be a most business-like policy for the future, and that is the maintaining of the selling prices of seeds, both at wholesale and at retail, at such a level that there will be an adequate profit for the seedsman and the grower.

The reader will at once say that this whole subject is one that is governed by supply and demand. Of course, it must be admitted that this is so, but at the same time there is a factor which enters into seed selling which seems at times to be lost sight of, and that is that the labor question is such a large proportion of the expense of filling a seed order that when prices are reduced to the low ebb which was in vogue, let us say ten years ago, the proportionate percentage of profit that goes toward the labor expended in order filling is so small that it must work out that both employer and employee receive for their hard, earnest and intelligent work a very insufficient recompense.

This whole question of maintaining seed prices at a profitable business level is one which can be discussed from so many sides, that all it is possible to do at this time is to direct earnest attention to the matter and ask serious consideration of it. In future notes it will be the writer's aim to present the serious thoughts of some of the best versed members of the seed trade regarding this matter, for certainly all must agree that in the aggregate during the last decade, particularly the years previous to four or five years ago, when seeds of all kinds, both flower and vegetable, commenced to show an appreciable shortage in supply to the extent that higher prices were forced upon the seed trade, selling prices of seeds at both wholesale and retail have been much less than has been fair to those dealing in them. V.

New York Seed Trade

Bulbs are still selling, and it is surprising how well. What few are left are working off. The snowstorm of Tuesday, the first of the Winter, has made things look and feel quite holiday-like and has added an impetus to the Christmas trade of those seedsmen who handle holiday specialties. Altogether, condi-

A FEW SPECIALTIES IN BULBS

OF WHICH

We Have Good Stocks at Present

AND WHICH

We can Offer in Quantity

NARCISSUS

We have a particularly fine lot of bulbs in the choicest varieties. The quality of the double-nosed bulbs offered is exceptionally high and the prices exceedingly low, quality considered, especially the Bicolor Victoria, Emperor, etc., which are gilt-edged stock. All of the stock offered is particularly good.

	Per 1000
Emperor, Bicolor Victoria, Empress, extra large double-nosed bulbs	$15.00
Golden Spur, extra large double-nosed bulbs	19.00
Grandee	9.00
Princeps	6.50
Poeticus Ornatus, extra large double-nosed bulbs	7.50
Orientalis (Chinese Sacred Lilies), basket of 30 bulbs, $1.50; bundle of four baskets (120 bulbs), $4.20.	

TULIPS

	Per 1000		Per 1000
Chrysolora	$7.00	**Thomas Moore**	$8.00
La Reine	8.00	**Keizerkroon**	10.50
Prince of Austria	12.00	**Mon Tresor**	11.50
Rose Grisdelin	8.50	**Rose Luisante**	14.50
		Vermilion Brilliant	18.50

	Per 1000
Parrot, Fine Named, 4 Sorts	7.50
Parrot, Finest Mixed	6.00
Rosamundi Huyckman	8.00
Single Finest Mixed, all colors, for bedding	7.50
Murillo, the most profitable Tulip for florists' use for forcing; always in demand. A very profitable variety at the price we are able to offer it this year, viz	10.00
Salvator Rosa	14.00
Gesneriana Spathulata. The true Gesneriana, the finest of all late Tulips	9.50
Double Finest Mixed, all colors for bedding	8.50

LILY OF THE VALLEY

Our Perfection Grade, New Importation, Now Ready.

Case of 500 pips.....$8.00 Case of 1000 pips.....$15.00
Case of 2000 pips.....$28.00

HYACINTHS

	Per 1000
Miniature, Chas. Dickens and Moreno	$20.00
White Roman, selected bulbs, 13-15 ctm.	25.00

MISCELLANEOUS

LILIUM Harrisii, 7-9 inch bulbs, fine stock, perfectly dormant and in perfect condition. Case 200 bulbs, $15.00.
L. longiflorum giganteum, case 300 bulbs, $19.50.
CALLAS, selected bulbs about 1¼ inch in diameter, $7.50 per 100.
SPANISH IRIS, Named varieties: **Belle Chinoise, British Queen,** and **Darling,** $4.00 per 1000; finest mixed, all colors, $2.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $6.00 per 1000.
SNOWDROPS, Single and Giant, $4.50 per 1000.
SNOWDROPS, Double, $9.00 per 1000.
GLADIOLUS America, the finest of all Gladioli for forcing, $35.00 per 1000.
SPIRÆA, in case lots of 100 bulbs: **Japonica,** $4.50 per case; **Compacta multiflora,** $5.50 per case.
POT-GROWN LILACS, Marie Legraye and **Chas. X,** $9.00 per dozen.

For other bulb stock, see our complete wholesale bulb list, free on application.

FOR FERNS see our Advertisement on Front Cover Page

F. R. Pierson Co.
TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

CHRISTMAS GREENS



HOLLY WREATHS

	Per 100
Extra fine grade	$10.50
Michell's "Special" made up	12.00
Michell's "Extra Special"	15.00

MOSS

GREEN LUMP, extra fine. Per barrel sack, $1.25; 5 barrels for $6.00.
SHEET MOSS, extra fancy. $2.50 per barrel sack.
SPHAGNUM, clean and selected. Barrel bales, 60c.; 5 barrel bale, $1.75; $7.50 per 5 bales.

LAUREL WREATHING

MICHELL'S EXTRA HEAVY, special made up. Per 25 yard lots, 5c. per yard; per 100 yard lots, 4½c. per yard; per 1000 yard lots, 4c. per yard.

LYCOPODIUM WREATHING

Extra fine quality, per 10 yards, 70c.; per 100 yards, $6.50.

LYCOPODIUM (Ground Pine)

Loose for making up. 100 lbs., $8.00.

MISTLETOE

Well berried and perfect foliage

¼ case	$3.00
½ case	5.50
1 case (16 cubic feet)	10.00

HOLLY

The very choicest, well berried. Will sell on sight. Packed in cases 2x4x2 or 16 cubic feet.

1 case, $5.00; 5 cases, $22.50; 10 cases, $42.50.

HENRY F. MICHELL CO., Now at 518 MARKET STREET PHILADELPHIA, PA.

Please mention the Exchange when writing.

Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for Present Delivery.

In case of 1000 pips at $9.00 per 1000.
In case of 3000 pips at $8.00 per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

Please mention the Exchange when writing.

LILIUM LONGIFLORUM GIGANTEUM

Mammoth Bulbs, 9 to 10 inches in circumference, $9.00 per 100.

SPIRAEA Gladstone $9.00 per 100
Superba Compacta $6.00 per 100

WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

Please mention the Exchange when writing.

SEEDS—DSEES

Fresh Reliable

"For Early Sowing"

	Tr. Pkt.	Oz.
Salvia Clara Bedman—"Bonfire"	$0 25	$2.25
Salvia Splendens	.15	1,00
Verbena, S. & I. Choice Mammoth Mixed	.25	1.50
Verbena S. & I. Choice Mammoth Separate Colors	.25	1-25
Lobelia, Crystal Palace Compacta	.25	
Lobelia, Speciose (Trailing)	.15	
Begonia, Vernon 1/16 oz. 50c	.25	
Begonia, Luminosa. Fiery dark scarlet	.40	
Petunia, Giants of California, 1/16 oz. $2.00	.50	

Asters (Vick & Hill grown), see Catalogue

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

SEND FOR OUR NEW CATALOGUE

Please mention the Exchange when writing.

CROP OF 1910

PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1084.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

tions may be said to be even more than satisfactory for the season. Seed catalogs are being finished apace and everyone is on the jump preparing for the coming season.

At Boddington's much activity is manifested. Florists' flower seeds are being sent out in goodly quantities, and already this house is receiving many advance orders for Cannas, which for many years have been a leading specialty here, and for the season of 1911 there are offered almost a million of the dormant roots in the best named varieties.

The Aphine Manufacturing Co. of Madison, N. J., is very much pleased with the outlook for the sale of Aphine for the coming season. Aphine is being catalogued extensively by the seed trade, and is an insecticide which has certainly made for itself a prominent and permanent place.

Wm. Elliott & Sons are busy, both with their Christmas trade and also with bulbs, which are selling very well indeed and working off evenly and satisfactorily.

Weeber & Don report bulb sales as still continuing very well, and especially in the past few days have they been receiving good orders for Spiræas.

H. H. Berger & Co. are sending out forcing Gladioli and Spiræas.

S. D. Woodruff & Sons say the advance orders and inquiries for Garden Pea seeds show plainly that the general wholesale trade is fully aware of the extreme shortages in this line.

Burnett Bros. still report counter retail sales for bulbs as continuing quite well.

Wm. Duckham of Madison, N. J., has just returned from quite an extended hunting trip in Aristook County, Maine. Mr. Duckham's many friends in the seed trade are now enjoying some very choice venison steaks.

Vaughan's Seed Store has, as usual, made extensive preparations for the holiday trade in Christmas evergreens, including a full line of bouquet green, Holly, wreaths, Mistletoe, Christmas ribbons, Immortelles and, in fact, the most complete assortment of everything needed. Their wholesale trade price list of these goods is now being distributed.

J. M. Thorburn & Co. are receiving many calls for their Lily of the Valley pips, of which they make a specialty.

Philadelphia Seed Trade

A few representatives of the Dutch bulb growers even this early are calling on the seedsmen, but meeting with little encouragement at this time; they leave soon for the great West.

The chief sales in the seed stores now seem to be in Christmas greens, red berried boughs and Immortelles, and poultry supplies. It is interesting to note the amount of attention now paid to poultry supplies. An enumeration of these supplies in front of two seed stores shows a menu of 18 kinds of food offered for the feathered bipeds. In addition to this, wire nests, material for lining same, nest eggs, incubators, brooders, and various panaceas for poultry ills.

The Henry F. Michell Co., 518 Market st., is offering a very full and select supply of Christmas greens, such as Holly in branches and in wreaths, Mistletoe, Moss, Lycopodium in bulk and Lycopodium and Laurel wreathing. This company is well pleased with its new location, and finds that as a selling factor it excels the old quarters at 1018 Market st. Recent callers were Lester Morse of the C. C. Morse Seed Co., San Francisco, Cal., and E. S. Miller, Wading River, L. I. In early January the second lecture in the Michell lecture course will be given at the company's store. An expert will speak on the important subject of "Spraying." The Michell Co. in the near future will establish a first-class photograph outfit at Andalusia, where its trial grounds are located, so that it may be able to make its own photos for catalog use, etc., hereafter.

Mr. Sherry, of the Johnson Seed Co., is going over the proof of the 1911 catalog.

Walter P. Stokes, seedsman, on Monday of this week sent a package of seeds weighing 13 pounds to Monrovia, Liberia, Africa, on which the express charge was $4.90, or about 35c. per pound. This is mentioned to show the high charges of express companies, and to bring out the fact that seed are sent by our seedsmen to very distant points. Mr. Stokes not only sends seeds to customers in Liberia, but also to India. At Stokes' Moorestown greenhouses there is a fine crop of Christmas Lilies and Valley coming on, and also of Ferns, the trade in which has doubled this year.

On Monday of this week the Moore Seed Co. received large shipments of Beet, Cauliflower, Cabbage and Turnip seeds from Holland and France. Recent callers on this company were A. Emerich of Vilmorin Andrieux & Co., Paris, France, who sailed this week from New York City for Paris; J. M. Lupton, seed grower, Mattituck, N. Y.; E. S. Miller, Wading River, L. I.; and S. D. Woodruff, of S. D. Woodruff & Sons, 82 Dey st., New York and Orange, Conn.

LINCOLN, NEB.—The Griswold Seed Co. has incorporated, with a capital of $200,000. The incorporators are W. B. Griswold, Frank Everts, H. J. Whitmore and E. S. Gunn.

COLLEGEPORT, TEX.—Wilhelm Schaumann, late with W. Atlee Burpee & Co., Philadelphia, has located here, and will deal in seeds, nursery stock and engage in landscape gardening.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DELAMARE CO. (Publrs. F. E.)
P. O. Box 1697, New York.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Gorgeous Iris

FOR FALL PLANTING

GERMAN

	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue pencilling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue pencilling.	25.00
PARKMANI. Upright pure lemon; falls white veined purple.	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best.	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00

Single

APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Dutch and French Bulbs

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

The American Carnation

PRICE, $3.50

A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Providence, R. I.

Business since Thanksgiving baa been better in all lines among the retail and wholesale florists in Providence and vicinity. Roses have been, and are, atill off crop among the principal growers, which has a tendency to keep prices at a profitable basis. Violets are coming in better but supply is short. Tbe past few dull days, with absence of sunshine, are keeping much of the stock at a standstill. White Roman Hyacinths are coming in quite plentifully, also Paperwhite Narcissus, Lily of the Valley and Orchids.

D. E. Newell, Attleboro, Mass., was in town Monday; be anticipates building a new 150 ft. greenhouse in the Spring.

Burke & Burns Rose Co. are cutting some very fine Roses; altbough short in supply on the sbort stemmed varieties, the better grades are coming in in fine condition. Mr. Burke says it is more profitable from a business standpoint to grow stock of better quality than to cater to short stem trade; be is a practical Rose grower and much credit is due him for the quality of the Roses he brings into the Providence market.

Mr. Warner of Pawtucket is bringing in some extra quality of cut Asparagus.

F. Deitz, 24 French st., says business with him has been good since Thanksgiving; be recently purchased a large quantity of bulbs to force for Easter trade.

Wm. B. King, Apponaug, R. I., says business is picking up with him; be has several funeral designs for Monday.

Earl King, Attleboro, Mass., was a recent visitor to Providence where he laid in a supply of bulbs for Easter forcing. Mr. King recently started into the florist business and much credit is due him; be conducts bis place in a cautious manner.

T. O'Connor has had one of his busiest weeks since the commencement of bis business; he reports plenty of work for the funeral of Mrs. Henry Leppitt; he had 85 floral designs, which was the largest amount of floral tributes sent to any fuueral in this State in recent years.

T. J. Johnston & Co., Weybossett st., reports 25 large designs for the Leppitt funeral, also a quantity of floral work during the week. Their delivery wagon was recently struck by a car of the Rhode Island Co. and badly demolished; the Rhode Island Co. being at fault will bave to make the damage good; fortunately, no one was seriously hurt.

Lawrence Hay, East Providence, had several floral designs for the funeral of Mrs. Henry Leppitt.

J. A. Budlong & Sons are cutting some very good Roses at present; they have given up their store in Providence; all business is done from the greenhouses in Cranston, R. I.

C. W. Patt & Son have their old store, which is run for selling market garden produce, of which Mr. Patt is one of the largest growers in Providence.

Mr. Croshy, of Franklin & Crosby, Danielson, Conn., was in Providence Monday purchasing supplies; be reports plenty of funeral work. The firm expects to build a new greenhouse in the Spring.

John Patterson, Ashton, R. I., was in Providence Monday purchasing florists supplies; his business during the past few weeks has been quiet.

A. M. Powell, 251 Brook st., who recently started in the florist business, reports business very good and stock looking fine.

Johnston Bros., Dorrance st., have their new refrigerator set into place; it is one of the finest in the city and adds much to the appearance of their establishment. They still bave a few fine Chrysanthemums, which are getting scarce, except a few late sorts. Business, especially in funeral work, has been very good. Violets have advanced in price, the better quality are bringing $1 per 100 at wholesale; the best Roses are brigning $3 per dozen at retail.

Wm. Appleton is reported very low, with very little chance of recovery. We bope to hear better news from him.

C. H. McAndrews haa resigned bis position with Geo. Johnson & Son, Elmwood Nurseries and has gone into the florist business on Public st., running the place formerly owned by Mra. Westcott.

A representative of Henry M. Robinaon & Co., Boston, Mass., was a recent visitor among the trade in Providence.

Wm. Brown, manager of the Providence Seed Co., is busy thia week, being secretary of the R. I. Poultry Association which is holding its annual exhibition thia week at Infantry Hall.

Cut Flower Prices

Roses, firsts, $8 to $12.50; seconds, $6 to $8; thirds, $3 to $6; American Beauty, $6 to $30. Carnations, $2 to $3. Mignonette, $1.50 to $2. Lily of the Valley, $3 to $4. White Roman Hyacinths, $1 to $3. Paperwhite Narcissus, $1.50 to $2, all per 100. Stevia, 25c. per bunch. Gardenias, $3 to $6 per doz. Orchids, $5 to $9 per doz. Adiantum Fern, $1 to $1.50 per 100. Galax, new green, $1 per 1000; new bronze, $1.50 per 1000. Asparagus, 25c. to 50c. per bunch. Magnolias, $1.75 per basket, domestic; imported $2.50. Dagger Ferns, $1.25 per 1000. Fancy Ferns, $1.50 per 1000. Smilax is very scarce.

H. C. N.

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c., 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet, (the old variety)	.10	.15	.40

ASTERS

BODDINGTON'S Asters are Famous.

Write for catalogue of other varieties and prices.

QUEEN OF THE MARKET ASTERS.

Boddingtoo's Extra-Early

	Trade pkt.	Oz.
Pink	$0.20	$0.60
Light Blue	.20	.60
White	.20	.60
Dark Blue	.20	.60
Crimson	.20	.60
Rose	.20	.60
Flesh-Color	.20	.60
Light Rose	.20	.60
Scarlet	.20	.60
Red-Lilac	.20	.60
Finest Mixed	.20	.60

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral-Red, Striking color	$0.20	$0.60
Carmine, Splendid color	.20	.60
Daybreak, Light pink	.20	.60
Brilliant, Scarlet, golden yellow and white	.20	.60
Crescia, Dark scarlet	.20	.60
Queen Victoria, Pure white	.25	1.00
Luteum, Yellow	.20	.60
Firefly, Scarlet	.20	.60
Romeo, Deep rose	.20	.60
Lilacinum, Beautiful lilac	.20	.60
Mixed	.20	.60

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00

Carlsoo's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.35	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

BEGONIA

	Trade pkt.
Erfordii, Carmine	$0.25
Semperflorens	.25

Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage... .25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz. 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.00
Gymnocarpa	.15	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.50

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, Trailing; light blue	$0.15	$0.40
Erinus speciosa, Deep blue; trailing	.15	.60
Crystal Palace compacta	.30	1.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddingtoo's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seede saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$0.50
Palustris Semperflorens, everblooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt. 60c., trade pkt $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped	.25

Petunias, Boddington's Century Prize—Con.

	Trade pkt.
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. $1.00	$0.25
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.60
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum, (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.60

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved	$0.25	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Spleodens, Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering ¼ oz. $2	.50	
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flowers	.25	2.50
Splendens Carminea (new) Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	50.	
Spleodens, Zurich	.50	5.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddingtoo's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.	$0.25	$1.26
Boddingtoo's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Caudidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba. White	$0.16	$0.50
Rosea. Rose	.15	.60
Rosea alba. Rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Pees of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (Ready January 1st), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Syracuse, N. Y.

Weather conditions here continue very bad; this will seriously affect Christmas flowers and there will be a shortage. During November there was not one whole day of sunshine and only six on which the sun was visible for a short time; growers know what this means for producing good atock.

Owing to the early date of Winter setting in there is a great deal of outside work uncompleted in the way of planting shrubs and bulbs; of the latter, although the sales have been very good, there is likely to be a large surplus unsold.

The florists are looking around for pot stock for the Christmas trade, as there is sure to be a sharp advance in the prices for cut flowers, especially Roses and Carnations. Paperwhites and Romans are likely to sell better, although colored flowers are preferred.

The artificial Poinsettias are so good that it is hard to tell them from the natural flowers a short distance off; thus I fear quite a few will choose them.

The outlook for a heavy Christmas trade is very good. Holly has not made its appearance yet.

H. Y.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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White La France
Baby Rambler Red
Baby Rambler White
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Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

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Yellow Rambler
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Magna Charta
Mrs. J. Laing
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Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

2 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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ROSES IN 200

Sorts for Immediate or Spring Delivery

THE LEEDLE FLORAL COMPANY SPRINGFIELD·OHIO·

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

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C. BETSCHER, Canal Dover, Ohio, U. S. A.

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P. O. No. 1, Hoboken, N. J.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
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5000 KUDZU VINES
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3000 Standard HYDRANGEAS
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Also my usual assortment of Hardy Nursery Stock

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40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 6 ft., 15c. each.

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LARGE TREES

OAKS AND MAPLES
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ANDORRA NURSERIES

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Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

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Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
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Northern Grown Nursery Stock

We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. *Wholesale Trade List for the Asking*

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ADVERTISERS ARE REMINDED THAT CHRISTMAS STOCK SHOULD BE OFFERED FOR SALE NOW

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. THE FLORISTS' EXCHANGE, P. O. Box 1697, NEW YORK CITY

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries ROCHESTER, N. Y.

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English Ivy

Strong Bushy Plants

From 4-in. pots - - $12.00 per 100
Rooted Cuttings - 10.00 " 1000

Peter Wenk, OZONE PARK (L. I.) N. Y.

Please mention the Exchange when writing.

Araucaria Excelsa

5-inch pots, 4 to 5 tiers, 16 to 18 inches high, 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 5 tiers, with more spread, 18 to 20-inches high, 75 cents each; $7.50 per dozen.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.

BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinispores, Arbor Vitae, Colorado Blues, etc.

Also in Celtises, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

Please mention the Exchange when writing.

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2 to 8 DUANE STREET, NEW YORK

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

Berberis Thunbergii

The chief talk one hears of the Berberis Thunbergii is as a hedge plant, and surely no worthier one than it for the purpose could be named, combining as it does a partly defensive character, earned by its prickles, its close, neat growth, pretty leaves and lovely scarlet berries. But it is not alone useful in that way. The single specimens one often sees on lawns are beautiful objects, especially in the late Summer and Autumn when their scarlet fruit is so well displayed. What is greatly in favor of this bush is that it requires no pruning. Look at the specimen before us, which has grown as it is without a knife having been applied to it, and what more shapely bush could one desire!

This Berberis is particularly effective when planted in an elevation where its scarlet berries can be seen to the best advantage. Occasionally they are seen lining the banks of a drive, the plants about on a level with the eye of a person passing them, and they are greatly admired then.

In Autumn, the foliage becomes of an orange red, adding to the attraction of the berries.

[At Christmas time and throughout the Winter sprays of these berries interspersed with hardy or other graceful Fern fronds arranged in a Lily bowl, make a graceful table centerpiece; this combination has the added value of remaining in good condition for several days.—ED.]

Protecting Rhododendrons

This is the season that finds the gardeners busy in protecting such shrubs and plants as cold is apt to injure. Rhododendrons always call for some attention, for their foliage is so nice to look upon when in good condition, and their flowers are so beautiful, that time spent in caring for them through the Winter no one begrudges. It does not matter how hardy the variety may be, wind and sun and hard freezing will injure it if fully exposed. It is not uncommon to see heavy fences erected around Rhododendrons on the north side, with the south front open to admit the sunlight. It is doubtful if this is the best thing to do. Heavy freezing and then midday thawing is worse than high winds, bad as the latter are. It is a good thing to break the wind from the plants, but of all three things mentioned I would prefer to prevent the sun from shining on them. A plant in the shade will freeze no harder at night than one that has sunlight in the day, and the bright sun is the chief evil to the plant, following hard freezing at night. A fence all around Rhododendrons, high enough to keep off the sun, would be excellent, the top open, with a few evergreen boughs or forest leaves scattered on the tops.

When Rhododendrons are in a well sheltered position, shaded by evergreens growing near them, or by buildings, they need no covering at all in Winter. They are in the shade, hence the foliage is not subject to freezing and thawing, and when Spring comes it is almost as green as when it entered Winter.

When recognized that shade is the chief requisite to true protection, every one can work out the best way to secure it. So fix it that the plants are in darkness rather than in light. They do not need to be tied up tight to the exclusion of air, for plants may be killed in this way.

An example of good protection is often seen where Rhododendrons have been planted in a woods, as frequently observed nowadays. The trunks of the trees and underbrush break the wind, and trunks and branches give shade to a great degree, while the ground is generally porous and damp. No injury comes to the plants there, all the protection they require they get.

Hard Wood Cuttings of Shrubs

In addition to layering, grafting, and sometimes budding, the propagation of shrubs from hard wood cuttings is still popular with those interested in increasing stock, and this, too, while great attention is paid to Summer propagation from green wood cuttings. All modes are helpful in these days of heavy demand for stock of this description.

Increasing from hard wood is not always as successful as from Summer cuttings, many sorts rooting more freely from young wood than from older parts. On the other hand, very often bushes need a cutting back in the Winter, fitting in nicely for the furnishing of shoots for cutting making.

Though hard wood cuttings can be made at any time after the leaves fall, about New Year's is a good time to make them. The shoots of the past season are the ones to use, the straight, unbranched ones. These should be cut into lengths of about six to seven inches, the lower cut just below a joint, and the upper just above one. A few shrubs appear indifferent to being cut this way at the base, rooting from almost any part in the ground, while others are quite particular to be cut as recommended.

When the cuttings are prepared, they are to be buried in damp sand or soil, in a cool cellar or building, until the weather in Spring permits of their being set out in the open ground. For convenience' sake it is well to tie the cuttings in small bundles before burying them for the Winter. If dampness reaches all parts of them, and the ends are in contact with damp sand, a callus will commence to form before Spring, which will be much to their advantage.

Florists near cities are often called on to prune shrubs for their customers, and this affords them an opportunity to possess a lot of cuttings, which might be taken home and made into cuttings for their own use. Of course, their customers' interests have to come first, not to prune off shoots that are required for flowering, and this suggestion applies, too, to shrubs in their own ground, when the question comes up for decision whether the cuttings or the prospective flowers later are the more valuable. But it is often possible to cut shoots while still leaving enough for flowering.

The Hardy Orange in Fruit

It is common with every planter of trees and shrubs to so assort the collection that every specimen will have some special feature to attract attention. Sometimes this is the flowering at a particular season, or berries ripe when their beauty will be the most appreciated, the whole collection being worthy in some special way. Late in Autumn the hardy Orange, Citrus trifoliata, is a particularly handsome bush. The green of its shoots and of its foliage make an excellent background to its bright yellow fruit, forming altogether an ornamental bush at that time, of great attraction. So like eatable Oranges does the fruit look that those who are not aware of the character of this Orange think it is the real edible kind they see before them.

The question of the hardiness of this Orange has to be considered by those who contemplate planting it. It does not mind the zero weather it meets with in the Winters of eastern Pennsylvania. One year seedlings will freeze back sometimes under this temperature, so will seedlings of some native trees, but not after a year or two have passed and some hard wood has been formed. After two or three years there is no more harm done in Winter, in the vicinity of New York City.

The fruit of this hardy Orange is too bitter to be eaten, and the contents of its "Oranges" are little else than seeds; but everyone familiar with the fruit is hoping that it can be improved to give seedlings which will produce fruit fit to eat, the tree itself remaining at least as hardy as the present one is.

The seeds of this Orange do not keep good many months out of the ground. If to be sown outdoors in Spring they should be cleared from the pulp and mixed with slightly damp sand, then kept in a cool place until the weather permits of their sowing. If but a few seeds are at hand, sow them in a greenhouse, in February, when every seed may be expected to grow.

Cocculus Carolinus

W. F. Heikes, Huntsville, Ala., sends a piece of a vine for name, which he describes as being an exceedingly ornamental one because of the abundance of bright red berries it bears. The specimen sent fully bears out his description, being but a foot in length yet containing a dozen or more of the berries. New to the writer, it was at first supposed to be a Smilax, but an examination of the seeds showed it did not belong to this genus, but more probably to the Menispermums, and there it was found—not a Menispermum any more, since it has been removed from that genus and is now Cocculus Carolinus. Both genera have seeds which, divested of pulp, look like a half moon in shape, hence the appropriateness of its common name, Moonseed. Whether this vine would be hardy here is not known, no botanic garden having reported on its trial that the writer has heard of, but it is very likely it would prove so, as it is wild about Huntsville, as gathered from Mr. Heikes' letter, for other plants wild there have passed safely through Philadelphia Winters.

A close relation of this, the Menispermum Canadense, is wild in Pennsylvania. It, too, has pretty red berries. It is herbaceous or nearly so, but every season makes a growth of about six to eight feet.

While on this topic, it may be said that some half hardy plants are herbaceous only where freezing is heavy, or when so young that they do not form hard wood. But, recently, the writer read in a leading horticultural paper that the Kudzu vine, Puertraria Thunbergiana, died to the ground every Winter. It does not here, instead it is a woody vine, making a thick, permanent stem in time, anything but herbaceous.

Cocculus Carolinus would be a great ornament to our gardens were it sufficiently hardy to take a place among the rest of the plants.



Berberis Thunbergii
Its Berries Combined with Ferns can be made of Value at Christmas for a Table Decoration

Melia Umbraculiformis

One of the favorite shade trees of the South is the Texas Umbrella Tree, as it is called there, a form of the old "China Tree" superior to the type in many respects. Years ago the China Tree was much spoken of by those who saw it at the time it was in flower, the perfume of the flowers being so agreeable. The variety umbraculiformis grows into a perfect umbrella shape without any pruning, and besides this to recommend it, its rich green foliage holds in good form until very late in the season, much later than the common Melia does; the common one is known as Melia Azedarach.

What is rather uncommon is that this form of the China tree comes true from seeds, as it is claimed it does, something that few other trees or shrubs do, so that it can be increased from both seeds and cuttings.

Several attempts have been made to grow this tree in Philadelphia, and while the experiments prove that it is possible to get it safely through a Winter when the position is a sheltered one, it is not sufficiently hardy for every position there. Probably a little farther south, say in Delaware, it would thrive well. If experiments are made with trees of some years' growth instead of seedlings, the chances of success are better, hard, well ripened wood enduring cold better than that of younger growth.

The F. E.—Wide Awake and Up to Date

New Hydrangea TEAS' SNOWBALL

(H. Cinerea Sterilis)



NEW HYDRANGEA—TEAS' SNOWBALL (H. Cinerea Sterilis)

A sport from the native H. cinerea, with large and flat heads, of the purest white. A new, hardy, white-flowering shrub of the greatest value, blooming from the last of June until the end of August. See Florists' Exchange, Nov. 19th, page 911.

Two year plants, $3.00 per doz.; $20.00 per 100.

HYDRANGEA Arborescens Grandiflora, the true forcing variety, 2 years, 15 to 20 in., $10.00 per 100; $90.00 per 1000; the same, 8 to 12 in., $6.00 per 100; $50.00 per 1000.

BERBERIS THUNBERGII, 1½ to 2½ ft., transplanted, $6.00 per 100; $50.00 per 1000.

SPIRÆA Van Houttei, 1½ to 2½ ft., transplanted, $4.00 per 100; $30.00 per 1000.

CALIFORNIA PRIVET, 2 to 3 ft., branched, $20.00 per 1000; 1½ to 2 ft., branched, $15.00 per 1000; 10 to 18 in., branched, $10.00 per 1000.

PRIVET, IBOTA, 1½ to 2 ft., transplanted, $30,00 per 1000.

PRIVET, Amoor River, 12 to 18 in., $3.00 per 100.

PRIVET, Regelianum, 2 to 3 ft., transplanted, $70.00 per 1000; 12 to 18 in., $30.00 per 1000.

CLEMATIS Paniculata, 2 years, transplanted, 12 to 18 in., $30.00 per 1000.

TRITOMA Pfitzeri, strong, $5.00 per 100; second size, $3.00 per 100.

VINCA Minor, transplanted, strong, $25.00 per 1000. 100,000 **GLADIOLI: Alice Carey** (best white), **America** and other choice named varieties.

List on Application.

E. Y. TEAS & SON

CENTERVILLE, IND.

Please mention the Exchange when writing.

California Privet

A lot of **splendid plants.** These I will **sell cheap,** but as there is a vast difference in the quality of California Privet, of a given height, I do not name prices here. Please write for quotations, stating size and quantity desired. I have for sale, about

75,000 two years, 2 to 3 feet, extra bushy and fine.

60,000 two years, 3 to 4 feet, best have ever grown.

40,000 two years, 1½ to 2 feet, A. No. 1, for the grade.

25,000 three years, 3 to 4 feet, good stock.

30,000 three years, 4 to 5 feet, heavy and bushy.

I offer **at a great bargain,** (being on land that must be cleared)

25,000 one year, 2 to 3 feet, remarkably strong plants.

20,000 one year, 1½ to 2 feet, first class stock.

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

2 Million Privet Cuttings

HARRY B. EDWARDS, Little Silver, N. J.

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SUGAR MAPLES WANTED

In sizes from 1 to 2½ inches Caliper, in 100 or 1,000 quantities. Write describing what you have, telling height and giving prices.

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

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PRIVET BARGAINS

	1000
1 yr., 12 to 18 ins., 3 to 5 branches	$8.00
1 yr., 18 to 24 ins., 3 to 5 branches	10.00
1 yr., 2 to 3 ft., 3 to 5 branches	15.00
2 yrs., 12 to 18 ins., very bushy	10.00
2 yrs., 18 to 24 ins., very bushy	12.50
2 yrs., 2 to 3 ft., very bushy	17.50
2 yrs., 3 to 4 ft., very bushy	25.00
2 yrs., 4 to 4½ ft., transplanted, heavy plants ..... Per 100 $4.00	

SOUTHSIDE NURSERIES, Chester, Va.

Please mention the Exchange when writing.

Rooted Cuttings

By the 100 prepaid.	100	1000
GERANIUMS, 2-in., Grant and Chas. Gervias	$2.00	$18.00
ENGLISH IVY	1.00	9.00
GERMAN IVY	.50	4.00
FEVERFEW, Large Double White	1.00	9.00
HELIOTROPE	.75	5.50
LEMON VERBENA	.75	6.50
PANSY PLANTS, Kenilworth Strain	.50	3.00

CHARLES FROST, Kenilworth, N. J.

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California Privet

Grown by a Specialist to Sell

I still have a good stock in all grades of California Privet, and have a surplus of 3 to 4 feet. Let me quote you before buying. I can ship you stock that will make you trade.

C. A. BENNETT, Robbinsville, N. J.

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California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	25.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

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Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscriptiou, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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THE AMERICAN CARNATION

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Surplus Stock For Sale

500,000 California Privet

Strong Plants	1000
2 ft., 2 to 4 branches	$10.00
2 to 3 ft., 4 to 6 branches	20.00
3 to 4 ft., 6 to 8 branches	30.00
Taller Plants for Screens, etc.	
4 to 6 ft., 4 to 8 branches	$50.00

Packing free

Inspection invited

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FOR THE CHRISTMAS TRADE

Begonia Glory of Cincinnati

THE best Winter-flowering Begonia ever sent out. Its lasting quality gives satisfaction to customers. It costs no more than the good old Gloire de Lorraine, and is far superior. Prices:—Large plants, 4-inch pots, well-flowered, 50 cents each; 5-inch pots, $1.00 each; large specimens, 6-inch pots, $1.50 each; 8-inch pots, $2.50 each.

Customers say it "sells on sight." Six large houses of this beautiful plant. Try a few assorted sizes now, and you will want more for the Holidays.

J. A. PETERSON, Westwood, Cincinnati, Ohio

Please mention the Exchange when writing.

Los Angeles, Cal.

Thanksgiving trade among the florists of this city this year was very good. Excepting Carnations and Violets, most of the stock was greenhouse grown. Roses, Carnations, and 'Mums were all good and in quantity to meet the demand. Roses retailed at from $1.50 to $3 per dozen, the price depending upon the length of the stem. American Beauty Roses sold for $5 to $10 per dozen; $1.50 is the standard price of Cattleyas in our flower shops the year around, except during the holidays, when $1 additional is added to the price of each bloom. The most of this stock is shipped here from San Francisco, but one grower, hereabouts, Wm. Haerle of Hollywood, grows Orchid flowers for sale.

The curbstone and wall pocket retail florists, of whom there are quite a number in the down town district, do a thriving business with a class of customers who are pleased to have flowers yet cannot afford to patronize flower shops.

Several times during recent years efforts were made to drive the itinerant vendors from the street by some prohibitive ordinance. The interests behind these movements kept under cover, and the most diligent search failed to reveal their identity. The retail florists of the town disclaimed any connection with the movement. Certainly it would be an unwise move on their part, for the reason that the curbstone florist caters to a class of people the store men could not sell to, and as the poorer class of buyers are educated in the love for flowers they are sure to indulge in the better and more expensive kinds as they increase in wealth, and it is but natural that they will go to where that class of stock is kept.

The Angeles Flower Shop on 4th st. had a fine lot of Lorraine Begonias, sent here by a San Francisco grower, which sold readily at $3 per pan. Our growers have not yet begun with that class of plants—Lorraine Begonias, Cinerarias, Calceolarias, Gloxinias, and Tydæas, for which there would surely be a demand at profitable prices. The Winter, or early flowering Sweet Peas are abundant from the field, and retail at 20c. per bunch, 50 in a bunch.

C. E. Morton has sold his interest in the Hayward Floral Co. to H. Reeve Darling, and has associated himself with E. R. Meserve in what they are pleased to term the Los Angeles Flower Market, wholesale only. They have large cellar space at 114½ South Broadway.

George C. Watson, lessee of the Wolfskill range of houses, has the entire range in Carnations, and they are a thrifty lot of plants, 85,000 of them.

Atlantic Coast readers of these notes may be interested to know of the appearance of plants grown outdoors at this season of the year hereabouts. Poinsettias are now making their floral bracts; the leaves of well fed and properly irrigated shrubs, which are two and three inches in diameter at the base, and ten to fifteen feet high, still retain their dark green color and luxuriant appearance. Bignonia venusta, with its festoons of orange-colored flowers, is now a rival to the Bougainvilleas which cover two-storied houses. Bignonia Cherere is also coming into bloom; it, too, is an evergreen, with large bright red flowers outside the tube, yellow within. Jasminum grandiflora, also, great shrubs with their pure white, delightfully fragrant flowers; this subject has one serious defect—the dead flowers are persistent, marring its beauty. The Cape Honeysuckle, Tecoma Capensis, vies with Grant Geraniums in the brilliant coloring of its flowers; in good soil, with a thoroughly pulverized surface, this plant will endure our dry atmosphere and rainless Summers without a drop of water, and not lose a leaf. The plant we grow as Linum flavum is bursting into bloom, and during the next four months will be as showy outdoors as any Allamanda ever was in an Eastern conservatory. But here I must close. When writing of all the beautiful things we grow here outdoors the year around my enthusiasm obtains the ascendancy over my judgment, for I am well aware that trade papers cannot devote all of their space to such subjects.

Dr. Van Fleet called at the office of The Pacific Garden on his way from Chico, Cal., to Washington, D. C., long enough to say "howd'y" to Mr. Campbell, then left as hurriedly as he came. I begin to suspect that Uncle Sam starts his agents out on schedule time the same as train dispatchers do trains on the overland railroads, and if for insufficient reasons they fail to report at their destination on schedule time, they are fined or imprisoned, or something like that.

James McGillivray, who for four years was the presiding genius over the landscape gardening work on the Blacker place, Oak Knoll, Pasadena, resigned the position, and left for San Diego, Nov. 15. The Pasadena Gardeners' Association gave him a grand farewell supper, with wishes for his success in the new, and larger field of the landscape artist.

The Germain Seed & Plant Co., the largest house of the kind in this end of the State, has been obliged to add a loft to its large store-room, to meet the requirements for space in its rapidly expanding business. A very remarkable feature of the company's show windows is the constant change in the displays of goods. One time it will be an illustration of the purity of their stock of Grass seed and the weedless character of the sheep manure, through a miniature lawn, newly sown, with a cottage and walks, filling one entire window. As soon as this is well demonstrated, a new scene is presented, and the panoramic views kept up the entire year, and year after year. In my judgment it is the cheapest and best method of local advertising conceivable.

The Los Angeles Florists' Club held a meeting in a hall at 107½ North Main st. on Monday evening, Nov. 28, which was largely attended. Dr. A. D. Houghton, recently returned from Mazatlan, Mexico, presided, and after the preliminaries of the meeting, and a free for all discussion of the advisability of a rejuvenation of the Club, he gave us an account of the tropical luxuriance of vegetation as grown in Mexico. He said, in part, that he had seen Stephanotis floribunda growing out of the side of a rocky cliff, with so little soil about its roots that he was led to the conclusion it might be classed with the epiphytic class of plants; so luxuriant was its growth that it covered an entire building. Antigonon leptopus is a native, and covers the trees and shrubs with its mantle of beautiful shell pink flowers. The early Summer temperature seldom goes above 93°, and never drops below 90°, which, with rain every day and a thoroughly saturated atmosphere, makes the climate intensely hot. Bananas, Cocoanuts, Pineapples and all such tropical fruits grow with little care, and because of that fact the native population have become careless, and many times the poor actually suffer from the lack of food. I once heard Fred Douglass lecture, and referring to the indolence of the natives of the tropics, he said: "Where Nature does most for man, he does the least, and where man does least, he is least." A great awakening seems to be going on in that country. Concessions have been made by the Government, and a great deal of money has been invested in land by shrewd business men of this Coast. Moreover, the class of real estate agents who, like the poor, we always have with us, that are always hanging out bait for suckers, by fabulous statements of get-rich-quick schemes are active, and separate the hard earned dollars from many a credulous buyer of lands in the "Land of Manana, of blissful indolence, of picturesque natives, primitive customs, the home of the tortilla—Mexico."

P. D. BARNHART.

Cincinnati

We have no cause for complaint; business is moving along nicely. Carnations are scarce and selling at $4 and $5 per 100. American Beauty Roses never were finer, and other Roses are in fair supply. Chrysanthemums are about finished. Lily of the Valley is good. Sweet Peas are fine, and Violets are scarce.

Walter Gray of Hamilton, O., is the proud father of a 10½ lb. baby boy. Walter is all smiles, and can finish up his Christmas work in good shape, knowing that in 15 or 20 years later he will have a good helper.

I am in receipt of an invitation from the Worshipful Master, Brother John H. Dunlop of Toronto, Ont., to attend the installation of officers on Dec. 13. Probably Brother Dunlop is as well known, if not better, than any other florist in Canada, and I know that the craft throughout the United States who know this gentleman, especially those who are Masons, will extend him their congratulations.

The committee having the Chrysanthemum and Flower Show in hand for 1911, or rather the committee which is to formulate some plans in regard to same, have decided to give a $10,000 show in November, 1911. The preliminary schedule will be issued after the next meeting of the Cincinnati Florists' Society, under whose auspices the show will be given.

E. G. GILLETT.



WASHINGTON

Dark Pink Sport of Enchantress

The Winner of First Prize in every competition at Chicago and Minneapolis Flower Shows. The only satisfactory Dark Pink Carnation on the market: one we know is all right. Invest your money in a variety that you know pays you to grow. Washington is a sport from the original Enchantress, the same color as Lawson. You know it is all right—why not place your order now?

Rooted cuttings guaranteed satisfactory in every way.

JANUARY DELIVERY

$10.00 per 100, $20.00 per 250, $75.00 per 1000

Chicago Carnation Co., A. T. PYFER, MANAGER **35-37 Randolph St., CHICAGO, ILL.**

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CARNATIONS

50,000, strong, heavy Cuttings, of the following varieties, ready for immediate delivery:—

	100	1000		100	1000
Sangamo	$6.00	$50.00	Rose Pink Enchantress	$2.50	$20.00
Dorothy Gordon	6.00	50.00	Enchantress	2.50	20.00
May Day	4.00	35.00	White Enchantress	2.50	20.00
Winona	3.00	25.00	Georgia	2.50	20.00
Victoria	2.50	20.00	Beacon	2.50	20.00
Faust	2.50	20.00	Victory	2.50	20.00
Winsor	2.50	20.00	Splendor	3.00	25.00

By ordering now, you will be sure of receiving A. No. 1 Cuttings at any date you may designate.

Address all orders to REMEMBER WE GUARANTEE SATISFACTION.

J. D. COCKCROFT, Northport, (Long Island,) N. Y.

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Unrooted Carnation Cuttings

Can ship at once, carefully selected Cuttings, at the following prices:

	1000
Dorothy Gordon	$30.00
Shasta	30.00
Scarlet Glow	30.00
Sangamo	30.00
May Day	15.00
Beacon	10.00
White Enchantress	10.00

100 at the 1000 rate.

SEA CLIFF NURSERIES

SEA CLIFF, N. Y.

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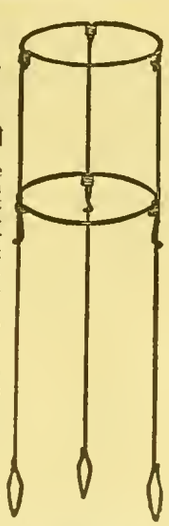
THE

MODEL

Extension Carnation Support



Endorsed by all the leading Carnation Growers as the best Support on the market. Made with two or three circles. Prompt shipment guaranteed. Pat. July 27, 1897, May 17, 1898.

Write for our prices and circulars.

Also Galvanized, Steel Rose Stakes and Tying Wire

IGOE BROS.

93-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

NEW CARNATION

"Princess Charming"

Certificates 1909, Pittsburgh, Baltimore New York and Madison, N. J.

Enchantress color, longer and stiffer stem, stronger and harder calyx, remarkable lasting and shipping qualities; as much ahead of Enchantress as Enchantress was of Daybreak.

See it grow at Chas. H. Totty's, Madison, N. J., Chicago Carnation Co. and at our own place.

$12.00 per 100, $100.00 per 1000
January delivery. 250 at 1000 rate.

Descriptive Lists, in color, free on request.

"Christmas Cheer"

The Scarlet Pot-Carnation
$15.00 per 100, $125.00 per 1000.
February Delivery

H. EICHHOLZ
Originator
WAYNESBORO, PA.

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SHASTA

For best results plant our White Carnation Shasta. It is undoubtedly the Freest Carnation on the market today.

Strong, well-rooted, cuttings ready for January.

$6.00 per 100 $50.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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Carnation Cuttings

Jsnuary and later delivery

	100	1000
Pink Delight	$6.00	$50.00
Mrs. C. W. Ward	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
Admiration	6.00	50.00
Pure White Enchantress	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Winona	2.50	20.00
Beacon	2.50	20.00

WHITE BROTHERS, Gasport, N. Y.

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Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

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CARNATIONS

Rooted Cuttings

All the Leading Varieties

Ready January 1st

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.

QUIDNICK, R. I.

Anthony Post-Office

Please mention the Exchange when writing.

Dayton, O.

It is pleasing to note that in answer to the usual question: How's business? the Dayton florists' answers at present invariably are "Nothing to complain of!" "Fine!" etc., and it is to be hoped there will be no deviation from this for a long time to come. Present indications certainly point that way. A peculiar feature of the market here is the increasing demand for the old-fashioned flowers. The Cattleya also seems to have made a favorable impression on the hearts of the Dayton flower buyers, judging from the ever increasing demand for it. All other stocks are arriving in good condition and fair prices are being realized. Lily of the Valley is also very much in favor here.

W. G. Matthews was treated to an unpleasant and then a rather pleasant surprise the other day. In answer to a telegram stating that his mother was very ill, Mr. Matthews started at once for his old home in Evansville, Ind., there to find that the lady had fully recovered and started on a trip to Chicago. Mr. Matthews speaks very enthusiastically of the "Directory for Reliable Retail Florists" published in The Florists' Exchange, and states that he has received some very fine orders through its columns lately, a very recent one netting him over a hundred dollars and a nice letter of thanks from the customer, through the florist sending him the order. He also executed a very handsome decoration at the dinner given the delegates of the Manufacturers' Ass'n last week, at the Dayton City Club; the decorations were of 'Mums, Richmond Roses, and wild Smilax.

H. H. Ritter, Grand ave., reports a fine Fall and Thanksgiving trade, and anticipates a very profitable holiday business. Mr. Ritter is one of the pioneer members of the S. A. F. and has attended every meeting of the Society except the last one at Rochester, and regrets exceedingly that through some oversight he was not at the Rochester meeting. He takes great pride in his collection of S. A. F. badges, having one for each of the 25 meetings he has attended.

W. W. Horlacher claims to have had the best Fall season in cut flowers he ever had and that the demand for Lily of the Valley and Orchids is greater than ever before in Dayton.

The Miami Floral Co. is adding several new houses to its already enormous plant.

The Heiss Co. reports a decided improvement in business. J. M.

Springfield, O.

Business in Springfield, the great floricultural center of the middle West, is, if anything, better than that of previous years, and growers here are looking forward to a very prosperous Spring in 1911. Here are the mammoth establishments of the Good & Reese Co., with 50 greenhouses, or over 270,000 sq. ft. of glass, requiring from 75 to 150 employees, according to the season; the Schmidt & Botley greenhouses, and establishments of the Leedle Floral Co., the McGregor Bros. Co., the Highland Floral Co., Geo. H. Mellen Co., and many others almost as large, located on the outskirts of the town, and examples of what advertising and honest business methods will do. These concerns issue catalogs, and advertise extensively in trade papers and others; as a matter of fact, their entire business is done through advertising, and the volume is such that they are locally termed "flower factories." Your correspondent, while visiting here, noted orders being put up by the various firms for points all over North and even South America. These concerns do no local business at all. A noteworthy fact is that the local retail business in Springfield is conducted mostly by lady florists, and several fine stores are evidence of their ability.

The firm name of Young & Reeser has been changed to the Reeser Plant Co., Inc., incorporated under the Ohio laws for $12,000. The business will be run under the management of E. C. Reeser. Mr. Youngstrand has sold his interest in the business and will engage in the florist and nursery business in Chicago, his former home. J. M.

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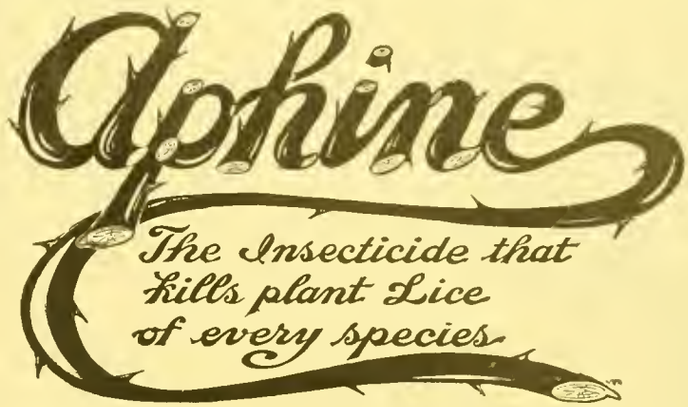

Is proving as successful as it is now well-known. You can depend on it for positive results without fear of failure or dissatisfaction.

It destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug, and Scale. **$2.50 per gallon, $1.00 per quart.**

"FUNGINE"

An infallible remedy for mildew and other fungous diseases. A clean, safe and easily applied Fungicide, which does not stain the foliage. Used as a spray at 1 part to 50 parts water.

Particularly adapted for use in Greenhouses against mildew on Roses, Chrysanthemums, etc. **$2.00 per gallon, 75 cents per quart.**

Manufactured by

APHINE MANUFACTURING CO., - Madison, N. J.

Please mention the Exchange when writing.

LENOX, MASS.—Joseph W. Pybus, assistant secretary of the Lenox Horticultural Society, will on February 1 take the position of head gardener at the new establishment of W. M. Salisbury at Pittsfield, Mass. His new position will still enable him to keep up his connections with Lenox.

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Two New Carnations
FOR 1911

White Wonder

A 1906 seedling of White Perfection, and the largest and most productive white variety we have yet produced. A white Carnation for every Grower.

Gloriosa

An attractive and pleasing shade of pure light pink. It is darker than Pink Delight, without the salmon cast, and the color is distinct from any pink variety in commerce.

We consider these the best varieties in their colors we have yet introduced. Both are up to the high standard of quality and strictly commercial in production of bloom.

Our very large stock will give us quantities of good select Cuttings early and throughout the season. **Notwithstanding our large sales of over 200,000 Rooted Cuttings, we are prepared to take good care of your order if placed now.**

Price of Rooted Cuttings { $12.00 per 100 $100.00 per 1000; 2500 for $237.50; 5000 for $450.00

25 at 100, and 250 at 1000 rates.

For larger quantities, prices on application.

Orders booked now for December and January delivery and later

	Per 100	Per 1000		Per 100	Per 1000
Pink Delight	$6.00	$50.00	Golden Ray	$6.00	$50.00
Scarlet Glow	6.00	50.00	White Perfection	3.00	25.00
Shasta	6.00	50.00	Winona	3.00	25.00
Sangamo	6.00	50.00	Enchantress	3.00	25.00
Dorothy Gordon	6.00	50.00	White Enchantress	3.00	25.00
J. W. Riley	6.00	50.00	Rose Pink Enchantress	3.00	25.00
Admiration	6.00	50.00	Beacon	3.00	25.00

Our specialty is strong, well rooted cuttings of Carnations. We supply the best.

F. Dorner & Sons Co.
Lafayette, Indiana

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

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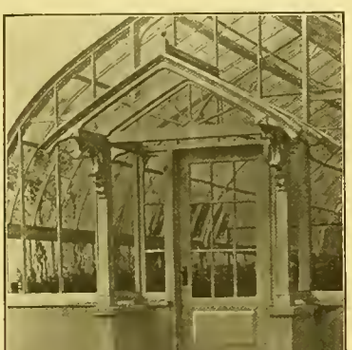


Entrances and Vestibules

From the Lord & Burnham Co.'s New Book, "Some Greenhouses We Have Built"

Some Greenhouses We Have Built

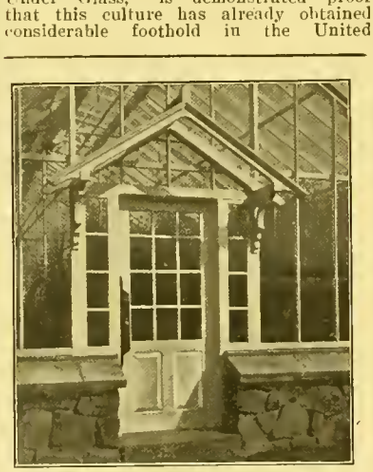
Is the latest title to the most recent as well as the most elaborate book off the press on the ever interesting subject of greenhouse construction, which, in this instance, is issued by the Lord & Burnham Co. of New York and Chicago, Boston and Philadelphia. And the book is so fascinating that one could spend many hours going over the hundreds of interesting views, plans, etc., therein shown.

The arrangement of the Catalog, the L. & B. people call it (but it's really a good sized book), is such that the three standard types of houses, Straight Roof, Curved Eave, and Curvilinear, are arranged in sequence while each subject shown is given a plan number, an interior and an exterior view, also a ground plan, thus making every individual presentation just about as complete as it was possible to make it.

"On Planning and Locating Your Greenhouse," is the opening chapter, and gives many a hint that, observed, will lighten the drain on the pocketbook later on. This is followed by plans and illustrations of straight roof type lean-to houses, even span houses and straight roof houses in from one to five compartments, and L and parallel and three-quarter span houses.

Then follows Curved Eave types, combination Greenhouse and Garage, etc. The Curvilinear type, architecturally the most fascinating, and showing views of many of the famous houses erected by this company, for both public and private uses, occupies many pages and makes absorbing reading.

A chapter devoted to "Growing Fruit Under Glass," is demonstrated proof that this culture has already obtained considerable foothold in the United States; the letter press accompanying the illustration is instructive, too.



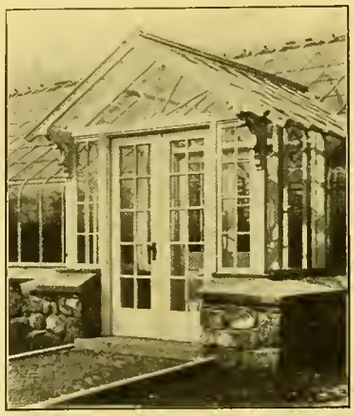
Entrances and Vestibules

From the Lord & Burnham Co.'s New Book, "Some Greenhouses We Have Built"

Conservatories, Sun Parlors and Glassed-in Porches, very fully illustrated, give prominence to a side issue of the greenhouse building industry which has a commercial importance one would hardly, at first thought, give credence to. And this subject is next of kin to that of Swimming Pools, designs of some of which are shown open to the weather, while others are built in connection with the conservatory.

Plant Beds and Tables; Work Rooms described and illustrated; Methods of Heating; Entrances and Vestibules, some taking pictures of these worthy the attention of the commercial man; Wiring Frames for Fruit Houses; Side Wall Construction; A Description of the L. & B. Sectional Iron Frame House; Description of Parts and Views of Sections bring to a conclusion a most novel and interesting book, the planning and execution of which has taken considerable time and cost a lot of money. If we are any judge, however, this expenditure will not entail a loss but will result in increase of business, it being our axiom, confirmed by years of experience, that an intelligent presentation of the facilities of any business, backed by ordinary executive ability, of course, can result only in bringing additional success to the enterprising.

The book we have so rapidly passed in review is designed, we take it, more for the amateur than for the grower, nevertheless it is so very thorough in all its descriptions, and so absorbingly interesting as well as illustrative of the progress making at this day, that growers generally should endeavor to not only secure a copy but attentively read it through so as to be in a position to post a customer when the opportunity serves.



Entrances and Vestibules

From the Lord & Burnham Co.'s New Book, "Some Greenhouses We Have Built"

CLUBS and SOCIETIES

Lenox (Mass.) Horticultural Society

A monthly meeting of this Society was held on December 3, the chief business being election of officers for the ensuing year, and the balancing of the position of the Society all round. It was our beloved Longfellow who wrote: "Trust no future, howe'er pleasant." But the majority of us form our own opinions upon that subject; personally, I must certainly turn it down in relation to the Lenox Horticultural Society and the future. It is as if the Society was entering upon the second epoch of its existence—1911 will be its first charter year. Sixteen eventful years have passed since the Society was first organized. It is not the writer's wish to pose as a prophet, yet, if coming events cast their shadows before them they are pointers toward success and prosperity. Its numbers are now 100 strong, good men and true; among them are men known throughout the length and breadth of the land, not for what they are going to do so much as for what they have done. Last year's finances reached high water mark; a fitting background to the reception of its new charter. Each of the old officials were unanimously elected to serve another term of office, viz.: G. Foulsham, president; G. Breed, vice-president; W. Jack, treasurer; G. H. Instone, secretary; and J. W. Pybus, assistant secretary. So nice were the kind words spoken of them that they would look glaring in print. J. Proctor had before the Society a white Cattleya Percivaliana, sepals and petals pure white, with a tint of yellow on the lip; it was a very fine type and fully deserved the certificate of merit awarded by the plant committee. John Forbes and Edgar Osborne were unanimously elected members of the Society.

JOSEPH W. PYBUS.

F. E.—Best Advertising Medium

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A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Messags, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Florists' Exchange Numbers Wanted

The publishers of The Florists' Exchange will greatly appreciate receipt of issues of Feb. 29 and March 21, 1908; also of June 12, July 24, Aug. 14, Sept. 18 and Dec. 11, 1909, from any of their readers who may have copies to spare.

The Question Box

Over and over again it seems necessary to repeat that the publishers cannot pay attention to questions sent them for reply unless the writer signs full name and address. Our request is entirely within reason. We do not ask for the name for publication but simply as a guarantee of good faith, and to be assured that the request is from a subscriber in good standing.

An Examination for Assistant Curator

Division of Plants, National Museum, Washington, D. C.

The United States Civil Service Commission announces an examination on January 7, 1911, to secure eligibles from which to make certification to fill a vacancy in the position of assistant curator, Division of Plants (National Herbarium), National Museum, Washington, D. C., at $1600 per annum, and vacancies requiring similar qualifications as they may occur, unless it shall be decided in the interest of the service to fill the vacancy by reinstatement, transfer, or promotion. Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application and examination Form 304 and special form. No application will be accepted unless properly executed and filed with the Commission at Washington prior to the hour of closing business on January 7, 1911.

Parcels Post in Sight

A mass meeting much out of the ordinary is that announced to be held Saturday evening, Dec. 31, 8 p.m., at Cooper Institute, New York City, when, amid oratory and music, the long anticipated passing away of the old order and the coming in of the new, in the matter of an improved Parcels Post service and other anticipated reforms, will be inaugurated.

That veteran fighter for the rights of the people, James L. Cowles, secretary-treasurer of the Postal Progress League, has arranged to have several Congressmen and other leading speakers present, also a good band, and the near approach of at least an opening wedge in a Parcels Post delivery which will mean an untold benefit to business men and the public alike, is to be celebrated into the New Year. Those of our readers who can attend this celebration will enjoy it.

Very Many and Sincere Thanks

Are extended by the publishers of The Florists' Exchange to the enterprising advertisers who have enabled us to make this Christmas issue one surpassing all previous efforts as to both extent of advertising and multiplicity of interests represented.

Every prospect at the present moment is for good holiday business, unusually good, in fact, and for that reason our readers can afford to be liberal in their patronage of the advertisers represented in these columns. To order early and so avoid the rush will be the best of policies.

National Flower Show, Spring 1911

At a meeting last week held in Horticultural Hall, Boston, of the various committees of the National Flower Show, announced to be held in that city March 27 to April 1, in connection with the Spring Convention of the Society of American Florists, the American Rose Society, the American Carnation Society, the American Gladiolus Society and the Mass. Horticultural Society, the progress reported as made up to the present time was so encouraging that those present were more confident than ever that this exhibition will prove not only the greatest ever held in the history of the florist trade, but will be of incalculable benefit to the trade in general.

The committees of the Rose, Carnation and Gladiolus Societies were in attendance and submitted schedules for premiums, which will be placed in the hands of the printer and distributed at the earliest possible date. The following day, at the meeting of the show committee and the board of control, several matters of general interest were brought up, and the report of General Manager Chester I. Campbell was read. While the show is still several months away, Manager Campbell has already disposed of a large amount of the space allotted to the trade exhibits, and at the present writing practically more than double the revenue has been realized than has been the case at any previous convention or sbow. Every greenhouse construction concern of any prominence in the country has already taken space, and the heating apparatus, fertilizer, pottery and accessory manufacturers are giving such grand support as would warrant the assumption that at the opening of the exposition every available foot of exhibition space will be utilized.

The board of control by unanimous vote has advanced the opening date to Saturday, March 25. This was deemed advisable, owing to the fact that it will greatly assist exhibitors from distant points. This, of course, gives the exhibitors the advantage of an extra day at no additional cost. Special efforts are being made to interest the owners of both large and small estates in New England and the response has been most gratifying. Many concerns who have never before exhibited on similar occasions have taken space, notably the fertilizer companies, and the gardeners and farmers of New England have been invited to bring samples of their soils, when the experts of the companies will analyze the same and give their opinions as to what is required to improve the yield. In fact, this is only one of the many novelties that will be introduced, the committee in charge being determined to make the coming exhibition one that will long be remembered by the trade as well as the interested public.

Following is a partial list of those who have already taken space, and, different from any previous convention and exhibit, it will be advisable for those who contemplate exhibiting not to wait until the eleventh hour, as preferred positions are rapidly becoming scarce:

Pierson U-Bar Co., United States Radiator Corporation, Lunt-Moss Co., Means & Thacher, Kroeschell Bros. Co., A. H. Hews Co., Lord & Burnham Co., Hitchings & Co., Geo. M. Garland Co., Hammond Paint and Slug Shot Works, The Foley Mfg. Co., Boston Plate and Window Glass Co., Revere Rubber Co., A. T. Stearns Lumber Co., Quaker City Machine Co., New England Mineral and Fertilizer Co., American Auxiliary Heating Co., American Agricultural Chemical Co., King Construction Co., Best Oil Co., Boston Belting Co., McFarland Publicity Service, H. Bayersdorfer & Co., H. M. Robinson & Co., Arthur T. Boddington, Henry F. Michell Co., Thos. Grey & Co., Schloss & Co., Wertheimer Bros., R. & J. Farquhar & Co., Wait Interlocking Steel Co., Welch Bros., Knight & Struck, F. R. Pierson Co., A. N. Pierson Inc., John Lewis Childs, The C. W. Brownell Co., Aphine Mfg. Co., J. Jarndahl, J. G. Harrison & Sons, B. H. Tracy, Robt. Craig Co., The Advance Co., Bowker Fertilizer Co., Bradley Fertilizer Co., J. Q. Admans & Co., and S. S. Pennock-Meehan Co.

Chrysanthemum Society of America

Recent work of the examining committee is announced as follows:

Boston, Nov. 26.—Variety Chadwick Supreme; pink sport of W. H. Chadwick; 80 points commercial scale. Exhibited by A. N. Pierson, Inc., Cromwell, Conn. At Philadelphia, Nov. 26.—Same variety; 86 points commercial scale.

Cincinnati, Dec. 3.—Variety December Gem; color pinkish white; Japanese incurved; 81 points commercial scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich.

CHAS. W. JOHNSON, Sec'y.

Wm. Appleton

The death is announced, on December 8, of Wm. Appleton, florist, 294 Broadway, Providence, R. I.



OUR READERS' VIEWS

The American Rose Society

Editor The Florists' Exchange:

I believe that the American Rose Society could be greatly helped if we could have an interchange of views from members through the columns of your valuable paper and, if you see fit to publish this letter to start this idea moving, I shall be greatly obliged. In the first place let it be understood that I am not finding fault but seeking information. I believe that this Society, at the present time, has a splendid lot of officers, but these men alone can accomplish little; they must have the assistance and co-operation of the entire membership, and also of a largely increased membership. Has the Society done as much good work in the eleven years of its existence as it ought to have done? If not, how can it do more? A number of our commercial growers have spent money freely and given their time willingly but this alone will not suffice.

The masses have not been reached and will not be reached in this generation unless we work along different lines. The Summer show of outdoor Roses, both as cut flowers and plants, should be strongly featured; one of these shows should be held in every city and every town of any size, once a year, all over the country. If they were held in a barn it would be better than no show at all. Members could be enrolled and leaflets distributed giving cultural hints. The common people are thirsting for this knowledge.

There are probably five "assistants" to every florist in the county; these men earn small pay, as a rule, and ought to be admitted to associate membership until they obtain charge of a place or go into business for themselves. They should be educated to grow good Roses and to work for the upbuilding of this Society. This Society should have more funds and should publish more information regarding Roses. With a greatly increased membership and larger revenue there would be much more clerical work and the secretary would have to be paid for clerk hire.

I should like to hear from others on these matters. I believe much good would result to the Society.

Might I suggest, at this time, that we need special prizes, such as cups, cut glass, medals, etc., for the coming great show in Boston next March? Anyone willing to contribute should please notify the secretary, Benj. Hammond, Fishkill-on-Hudson, N. Y. These articles, if unawarded at that show, remain the property of the American Rose Society and will be available to offer at future shows.

E. HOLMES.

Mr. Holmes's letter is opportune and we trust to see results from its publication which will be of vital importance to a Society that should have many thousand names on its membership rolls.

Mr. Holmes has, in our opinion, struck the key to the situation. How many individual florists are willing to undertake, in the small towns and cities, the conducting of a Summer Rose Show and form an auxiliary society among the amateurs? The Am. Rose Society could, as a beginning, at least award a bronze medal and distribute literature.

Flowers as Barometers

In his book, "The Life of Flower and Fruit," Dr. Karl Löffler discusses the ways in which certain plants foretell the weather. Rain is indicated when the Clover stands erect; Birches emit a strong perfume; Wood Sorrel (Oxalis acetosella) folds its leaves; Whitlow-grass (Draba verna) droops them; Marsh Marigold (Caltha palustris) draw them in; Our Lady's Bedstraw (Galium verum) puffs up and also emits a strong perfume; and Funaria hygrometrica stretches out the bent stems of its capsules. Cloudy weather is indicated when Anemone nemorosa, the common Wood Anemone, droops its flowers; but the weather will be fair when it carries them erect, also when Stellaria media (Chickweed) and Pimpinella saxifraga lift up their flowers at 3 o'clock in the morning, unfold their leaves and remain awake until noon. The weather will be steady when the small Cape Marigold (Calendula pluvialis) opens its flowers between 6 and 7 o'clock in the morning, and remains awake until 4 in the afternoon; but if it sleeps after 7 o'clock in the morning, rain is due before night. Cold and frost are on the way when the color of the Alder (Alnus) is lighter than usual, while a color darker than usual foretells a thawing wind. A thunderstorm is on the way when the common Robinia pseudo-acacia and some species of Lupine fold their flowers.—Quoted by Handelsgærtner.

The Florists' Club of Philadelphia

The regular meeting of the Club on Tuesday evening was very well attended, considering the fact that we were up against a ten inch fall of snow and the snow was still falling the night of the meeting. The president of the Club, Joseph Heacock, was in the chair, this being his first appearance since being elected to the State Senate for Montgomery County, and he was the recipient of congratulations from all the members present.

Edward A Stroud read a very interesting paper on "How Shall We Make Our Exhibitions More Interesting?" Quite a discussion followed the reading of this paper, the result being that a committee of The Florists' Club was appointed to confer with a similar committee to be appointed by the Pennsylvania Horticultural Society, to see if something could not be done next year to make a more successful exhibition next November. The committee appointed was as follows: Edward A. Stroud, Charles E. Meehan, Xavier E. E. Schmitt, Fred Hahman and J. Otto Thilow.

The exhibits staged at this meeting were as follows:

The E. G. Hill Co., Richmond, Ind., exhibited several vases of their new Roses: Sunburst Saffron, yellow with orange tint, a French seedling. Mr. Hill brought the Rose over three years ago; it is noted for its long stem and good flower. Mrs. Aaron Ward, a yellow forcing Rose; coppery orange color; foliage fine dark green; flower has good substance. The E. G. Hill Co.'s new Rose, Rose Queen; very fine true pink; fine glowing color; long pointed bud; very full petals; handsome foliage; looks very promising. New red Carnation Bonfire; about the color of Victory; good substantial flower; long stiff stem.

Myers & Samtman exhibited a vase of their new Rose, Hilda, a sport from Maryland; it is of much darker color than Maryland and looks like a vigorous grower.

Robert Scott & Son exhibited a vase of the new Rose, Double Pink Killarney; it has much more substance than Killarney, probably twice as many petals. Also of the new yellow Rose Melody, a Dickson's seedling; looks like a good commercial variety; color a good clear yellow, double; good foliage.

E. G. Hill of Richmond, Ind., being present at this meeting was called upon to make a few remarks upon new Roses. He began by giving an account of the Roses exhibited at the Jardin des Bagatelles, Paris, where he stated there were 75 or 80 new Roses on exhibition last June. All growers of new Roses are invited each year to exhibit them at this garden. Competent juries are appointed who pass upon these Roses in June and again in September, so that the merits of each one are definitely noted. Mr. Hill then went on to speak of the Roses used for bedding purposes in Europe, and stated that several of the recent American introductions were doing well there for this purpose, the variety General McArthur having been a great favorite with them this past Summer. He stated that in this country there was not quite sufficient business in bedding Roses to induce the grower of new Roses to work on these lines, the object here being to produce a Rose for forcing, but occasionally, while looking for a good forcing Rose, one was found that was good outdoors. As a general rule growers of new plants and flowers were not receiving proper encouragement. Apparently, it was the only thought of those in the business to pick out the faults of a new thing and to not properly recognize its merits. To illustrate this fact he mentioned the new Rose Rhea Reid, sent out by him a few years ago. He had received much criticism in regard to this Rose and yet today some of the most prominent growers are discarding all other Roses of that color and growing this variety more extensively. Bassett & Washburn of Chicago claim that this is one of their best paying Roses today. Other growers around Boston are meeting with a similar success. Therefore, while a new Rose may not do well in every locality, yet it brings success in others. The speaker also set forth that all retailers and growers were a great deal at fault in not having more variety in Roses. The general public are all the time looking for a change. They are tired of being tied down to three or four varieties and they cannot purchase these new varieties unless the retailers are uptodate and have them in their stores for sale.

It has been the custom for many years past to have open house in the Florists' Club room on New Year's Day, but next month the regular Club meeting will occur on the 3d; it was therefore decided to have refreshments served at the next meeting, in place of having them on Monday, which will be observed as New Year's Day, and a suitable appropriation was made to the House Committee for this purpose.

Mr. Stroud's paper was as follows:

How Can We Make Our Flower Shows More Interesting and Successful

Our able chairman of the Essay Committee has again prevailed on me to address the Club. I at first declined the honor but, in my letter of refusal, suggested a subject in which I am very much interested and which I thought ought to be discussed at one of our meetings, namely: "How can We make Our Flower Shows More Interesting and Successful?" Mr. Thilow was so pleased with the subject that he replied, saying he thought I was the one to start the discussion and I hesitatingly acquiesced.

How can we make our flower shows more interesting and successful? Let us consider the existing fact that the attendance at our shows has gradually decreased in numbers and I think no one can dispute the question that of late years they are far from being a success. Is it a seeming lack of interest in exhibitor; a similarity of our shows; the price of admission; the method of advertising; the lack of co-operation of our Club and the Horticultural Society, or some reason not generally known which has caused this result? It seems to me the most serious fault is the lack of co-operation. No one branch of the business can make a successful uptodate show. It is absolutely necessary to have an able committee composed of representatives from every department; the private gardener, the retail and wholesale florist, and our commercial growers and seedsmen, all taking an active interest in the advancement and success of our shows.

Undoubtedly, the first subject to be discussed by the committee would be the "financial question." "How can we raise money?" I would suggest a "Guarantee Fund." This would supply money for prizes and also be the means for buying materials for the decoration of the hall, the employment of skilled labor for that purpose, advance advertising and numerous incidentals. I understand that the money for the prizes has depended largely upon the admission fee; naturally, the attendance decreasing in numbers, the prizes have been somewhat uncertain of prompt payment and, no matter how small the prize, if it is not paid at the time it is awarded the interest of the exhibitor diminishes. Our shows should be well advertised. Advertise everywhere, in our newspapers, in the shop windows, in all adjacent towns, in and on the street cars; in fact, employ every uptodate method. The advertisements in the official catalog should be a large source of income. I would also suggest that we have a list of prominent patronesses. The social feature seems to have been entirely overlooked the past few seasons; in former years it was quite a society event. I consider our admission fee is too high for the shows we are now giving, and I doubt if we will ever fill the hall at the present charge. The people are not getting enough for their money. It is very evident that the love of flowers is not dying out when thousands go to Horticultural Hall in the park to see a very pretty but every day exhibit, and on Palm Sunday when some of our commercial greenhouses are thrown open to the public I am told it requires policemen to manage the crowds. Of course, some will argue this is because they are getting something for nothing, and that our shows, too, would be crowded if they were free. It is a beautiful sight to see thousands of Chrysanthemums, Azaleas, etc., in a greenhouse and well worth a visit, especially when it costs nothing; but place those same flowers in an artistically decorated hall, arranged in new and novel effects, and you have something the public will be willing to pay to see. We cannot present any kind of a show year after year in the same manner and expect to attract.

The cry of the moment is for novelties. Still have the competitive classes for the gardener and grower, which are always interesting but added to these introduce some new features; for instance, the hardy Chrysanthemum border, which you all know. The Japanese garden, arranged so one could rest and listen to the music and, if so desired, draw up to a table and procure refreshments. The floral art gallery is full of possibilities. This consists of frames, with flowers grouped together in them, representing a picture. The effects are not only artistic but the impression made on the mind through certain varieties of flowers thus presented is much more lasting than the same varieties as ordinarily staged. Then the Rose garden is a good idea; the Roses contracted to be grown by some capable grower on trellises and in pots and arranged like an outofdoor garden. A Dutch garden could be made by growing bulbs in boxes. The Italian sunken garden is another idea. Also, varieties of shrubs could be forced into bloom for decorative purposes; indeed, there are so many ideas, if one but makes a study of them. I was impressed on reading the trade papers to see the improvement that is taking place in other cities in the arrangement of their shows and could not help feeling that we were not progressing. Here is a clipping from the Florists' Review in reference to the show in Milwaukee:

"The setting of the show included an artistic group of Pines from the midst of which burst the waterfall, which was as true to Nature as any one could desire and was one of the most admired points in the show. The right side of the stage represented a hillside wooded with Pine trees, and in front of this were two tall Oak trees covered with wild Smilax almost to the ceiling. Farther back, several Birches, with their light bark, and two Magnolia trees green with foliage, helped to give the hall the desired effect. Winding throughout was the brook, spanned by five rustic bridges and edged with sod, and an Apple tree, which was leaved with wild Smilax and had a beautiful Chrysanthemum group around its base, also came in for a share of the favorable comment. Seven tables, set with dinner decorations, but not for competition, were placed in various locations under the trees and on the sod, and gave the impression of a fashionable lawn party.

"In touching upon the exhibits it can be said that it was a local show, undoubtedly due to the fact that four other large Fall shows were being held on the same days. Last year many 'Mums, both cut and in pots, came from Chicago and vicinity; they were absent this year and the display of some Eastern firms was also missing, but the local boys had the right spirit and with nearly everyone contributing the whole show was a grand success, more so than last year."

Here is another clipping from The American Florist about the Chicago show:

"In one corner of the hall was a display made by the University of Illinois, illustrating the work that is being done in landscape gardening and, in front of these illustrations was the educational exhibit prepared for the Horticultural Society of Chicago by H. J. Stockmans, which consisted of two models of gardens, each with its own cottage, with walks and lawns planted with shrubbery, one arranged with tennis court in the rear, and the other with a vegetable garden."

Numerous other articles in the same strain you, no doubt, have read.

To make a successful and interesting show we will require the help of the growers to supply us with material in large quantities; the retailers to give us their ideas and suggestions; and the private gardeners, not only for the competitive classes but also for the valuable plants, etc., they could probably lend us. The commercial establishments do not thoroughly realize the advantagea to be gained by their exhibits. Our shows should be a general market, where men in the trade would attend and purchase their supplies. As far as possible a special place should be assigned to them; I would suggest the entire basement, for, while the vegetable exhibit is very interesting, we could probably dispense with this feature, giving the apace they now occupy to more important displays. I will not, however, attempt to lay out a general plan of arrangment, but do think that a special effort should be made to make the main entrance particularly attractive. A first impression should always be pleasing to the eye. Another thing to be done is to go over and revise our premium lists and, in addition to the money prizes offered by the show and individuals, the committee should approach our prominent merchants, asking them to offer a cup or trophy for certain classes, to be known as their cup.

These cups should be exhibited in the donors' windows previous to the show and would naturally call attention to it. On our revised premium list we should have more prizes for the large commercial men; we want all the new introductions to be shown in Philadelphia, and it should be made worth while for these men to bring them here.

Quite a bit could be made, and it would not cost very much, if we would give a flower to the ladies on certain days; a Carnation on the day they are judged, calling it "Carnation Day," and a Rose, Chrysanthemum, etc., in like manner; all these little things help more than we realize to make the show interesting.

Some weeks ago I was invited to act as judge of an exhibit of hardy Chrysanthemums, grown by some school children, and I was surprised to see the results they had obtained, and it seemed to me they should have our encouragement. All the public schools have established a course which they call "Nature Studies," for the younger classes, later on they study Botany, and I think it would be quite a stimulus to them to give them an opportunity of visiting our shows accompanied by their teachers. By this I mean the tickets should not be given individually, but distributed to the teachers, who would take their classes to the hall during the hour usually devoted to this study in school. No radical improvement can be expected in our shows the first year or so, and the guarantors will probably, at first, lose money, but eventually, if well managed, they ought to prove a good investment. What other cities and towns are accomplishing Philadelphia also can do; why should Philadelphia be behind in progress and push?

In concluding I want to impress the fact that, to make a good interesting and successful flower show, it will require months of preparation with generous and unselfish co-operation.

Most of these ideas I have mentioned are being carried out by the National Flower Show Committee, in connection with their show at Boston in the Spring of 1911, and I think it will be an inspiration for all of us, and I sincerely hope every one will try to get there.

Verbena Culture

During the short days of the Winter the progressive florist is making preparations for the glorious Summer when all nature smiles and bursts into blossom. One of the small bedding plants which blooms most profusely during the whole Summer season is the Verbena; this little plant forms a department of its own in the florist's work. In the early Fall cuttings are taken from the field-grown plants, and new plants for Winter propagation started; from these plants the cuttings for rooting and shipping are obtained. Like other plants, the Verbena often sends out sports from the parent stem and, if propagated, the sports become new varieties, often of stronger growth than the original plant.

Columbia, the new variety sent out from the Dillon greenhouses, Bloomsburg, Pa., this year, is a seedling of their own raising; it is a pink and white variegated flower of unusual size and beauty.

The shipping season for Verbenas has already commenced and will continue until next June.—L. H. D.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction. Iron Frame Houses

Fig. 123 shows the rafter splice plates, G, both plates of the splice made from the same pattern and provided with a lug, B. The plates are bolted to the upper and lower parts of the rafter, RR, with four ½-in. bolts, the bolt holes being in the staggered form as shown at D. The column, C, which supports the rafter is provided with a column top, E, the upper portion of which is secured between the two lugs, B, with a ⅝-in. bolt. It will be noticed from the sectional view of the splice that the bottom part of the plate is made with a lip, A, which forms a support for the two ends of the iron rafter the full length of the splice plate, without depending on the bolts. The top edges of the plates come on a line with the top of the iron rafter, and so allow of the setting of the wood roof bar down close on the top of rafter.

As before stated, where possible the wood bars, I, should be made in continuous pieces extending from the eaves to the vent header, but in some cases where the house is very wide it is difficult to secure this wooden bar of the required length at a price which is within reason, and it, therefore, becomes necessary to splice the bar. In such cases there should be an iron splice plate used to firmly hold both ends of the splice bar, and the splice should always come over a purlin.

Fig. 124 shows a form of splice plate for this purpose when used in connection with an angle iron purlin. The bars should be cut on a bevel where they come together, as shown at S, and the two ends of the bars should be secured with the wood screws, A, to the splice plate B, toe nails being used at the top of the splice S, passing through the tongue of the bar so as to firmly secure the two parts together at this point. It will be noticed that the iron splice plate, B, is formed with a recess, so that the wood bar, I, comes in contact with the purlin, P, and both ends of the splice plate come beneath the wood bar, a lip, H, passing underneath the upper portion of the angle iron purlin, P. With a plate of this form it is not necessary to drill the purlin for a screw hole, as is usually the case, as the lug H makes it impossible for the plate to rise when once secured in place with the screws, A, which hold the wood bar, I.

Fig. 125 shows another form of iron splice plate for use in connection with a T purlin. The splice plate, B, is recessed in the same manner as described in connection with Fig. 124, but there are two lips, H, one on each side of the T, as will be seen by plan. These lips come beneath the flange of the T, and prevent the bar from rising away from the purlin when secured with the two wood screws, A. Either of these forms of splice plate makes a desirable and thoroughly satisfactory job when it is necessary to splice the wood bar.

Fig. 126 shows one-half the gable of this house, using double board and paper below the sill, the other half being the same. The letters, A, indicate a ½-in. x 3½-in. flat iron rafter extending from the ground posts to the rafter R, so as to form a substantial brace for the gable. These end rafters are secured to the regular end rafter R, by means of the wrought iron knees, K.

End purlins, P, composed of 1¾-in. x 1¾-in. x 3-16-in. angle iron, are placed at the points shown, so that the length of the end wood bars, B, will not exceed 5 ft. 6 in. These purlins, P, are secured to the iron end

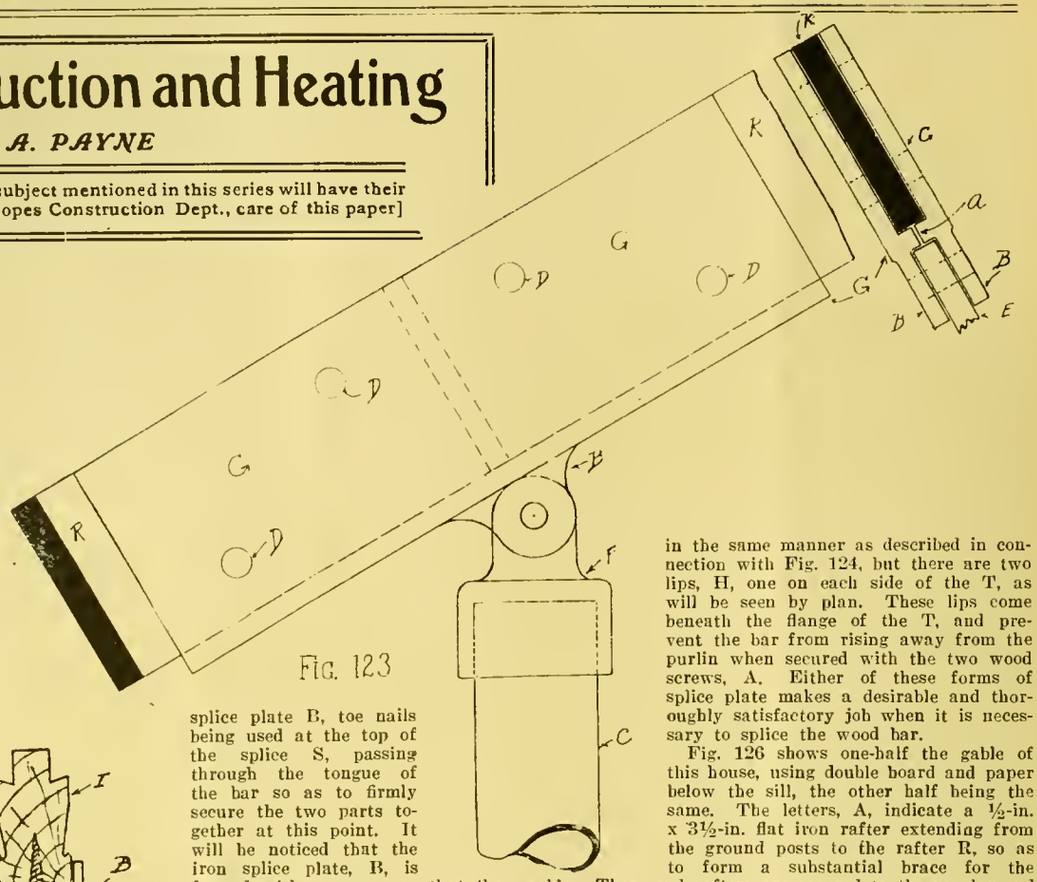


Fig. 123

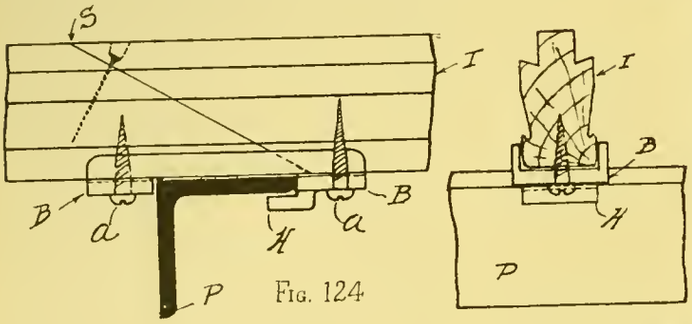


Fig. 124

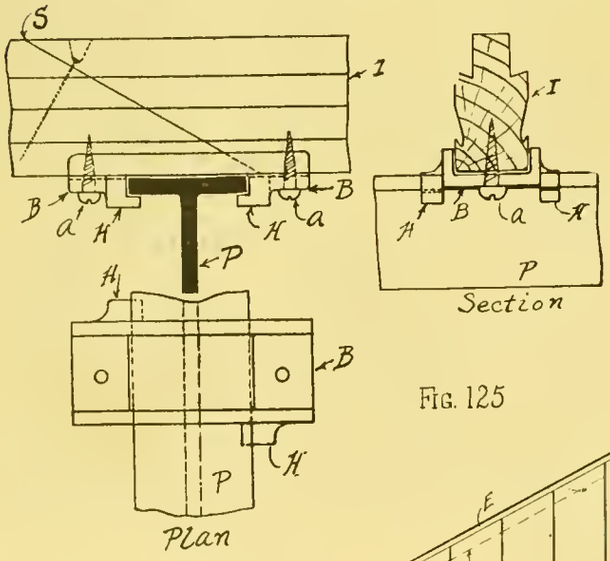
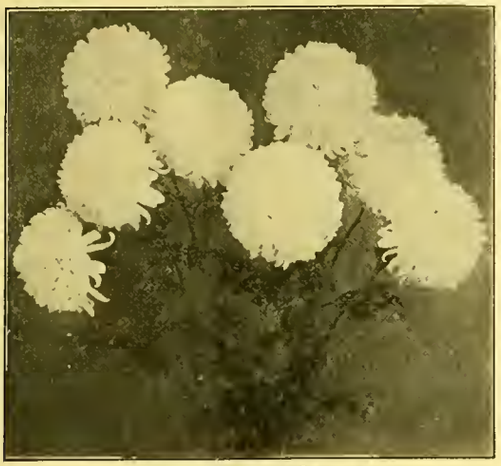


Fig. 125

Fig. 126



Chrysanthemum Osprey
Originated by the E. G. Hill Co., Richmond, Ind.

Chrysanthemum Osprey

This is a variety that comes in as late as Jeanne Nonin; it is pure snowwhite, on slender, very stiff stems, and is of medium size—a commercial variety that will rank in usefulness with Heston's White. It will be of special value to the trade on account of its lateness, its purity of color and the perfect ease with which it can be brought to perfection.

rafters, A, by means of the knees, L, which are securely bolted to both. The purlins in this case were drilled so as to admit of securing the end bars, B, to same with wood screws; but, as before stated, iron clips could be used for this purpose and thus avoid drilling the purlins.

A removable sash is shown at S, and two such are placed in the gable to facilitate the renewing of the soil in the house.

GREENHOUSE CONSTRUCTION and HEATING

INQUIRY DEPARTMENT

A Question of Coal Saving and House Location

Can you inform me through your valuable paper what would be the saving, if any, of coal by having the heater in a pit instead of on the level? Would also like advice in regard to building a new house. I have a piece of land 18 ft. wide; my heater house is on one side and a line of greenhouse on the other. Would it be advisable to build between the two buildings? I have other land I could use if it would be better. The present house runs east and west and the new one would be on the north side of the present house.—E. G. W., Mass.

—We presume you have in mind a hot water heater. Always place a hot water heater below the coils, if possible without undue expense. When placed on the level or above the coils the circulation is going contrary to Nature and requires more coal to overcome the resistance, the additional amount of coal necessary depending upon the size and character of the plant.

Regarding building the new house on the piece of land 18' wide: If the present house is of the same width, you will secure approximately the same results out of the new house; but if the present house is wider than 18' it will cast more shadow on the proposed house, therefore the results will not be so good. For growing cool miscellaneous stock, the proposed house would no doubt give satisfactory results. If the house is to be used for a specialty, such as Carnations, Roses, etc., and you desire a first class crop, we would advise a wider and a separate house. JOHN A. PAYNE.

Sweet Peas Under Glass

A paper read before the Detroit Florists' Club by Fred. Pautke, Grosse Pointe, Mich.

Seed

It is very important, as having much influence on the future growth and crop of Sweet Peas, to use good, ripe, full-grown seed; and if possible, every grower should raise his own seed from planting in a well prepared soil, sowed very thinly. I recommend Fall sowing. After the plants are up, support them well, so that the vines will not lie on the ground; it will prevent mildew. Don't cut any flowers, and the seed will be ripe in the latter part of July or first part of August, ready for the Winter sowing in the greenhouse. Don't try to save any seed from left-over greenhouse-grown flowers, as the vitality is not very great and sickly looking plants would be the result.

Soil

Any soil which will grow Chrysanthemums, Carnations, or Roses is suitable. For fertilizing same use well rotted cow manure, and plenty of it. After the plants have attained a good height, and grown well, use, once a week, nitrate of soda, diluted. I have grown Sweet Peas seven years in the same soil with good results, and I am trying again for the eighth year, and the plants look very promising.

Planting

The time for sowing the seed all depends on the time a crop is wanted. The first sowing for a good Christmas crop in our climate should be made in the first part of August. The plants will start to bloom in the first part of November, and will give good, long-stemmed flowers for Christmas, and bloom all Winter. For April, May and June crops, sow in December and January. Sow three to four seeds six inches apart, two inches deep, in rows three feet apart. On raised benches the planting may be a little closer. Keep the ground well moistened in hot weather; cover the ground with paper, and in eight days the seeds will germinate. White-seeded varieties should be sown outdoors, in coldframes, by dropping five or six seeds close together; cover same with shaded glass until they are up, and then give full sunlight, and in three weeks better results will be seen than by sowing in little pots.

Culture

It is very important to keep the plants, until they are about six inches in height, on the dry side, as too much water will surely cause stem rot. Be sure to give them support right from the start. As soon as they show good growth give more water. Don't neglect giving all the air possible, day and night, to insure a sturdy growth; be careful about night air in late Fall, to prevent mildew.



Joseph Haddleton of Rochester, N. Y.

Insects and Diseases

The biggest enemy of Sweet Peas is the red spider, which will attack them in early growth, and if not checked will soon destroy the plants. The best remedy is spraying with a nicotine solution every two weeks, so that the spider never gets a foothold; this will also keep aphis and other insects in check. Keep a sharp lookout for the green caterpillar, which will chew off whole branches, and which appears sometimes in great numbers; the only remedy in this case is hard picking. There is another enemy, an aphis which goes into the ground and attacks the roots; I cannot say how heavy the damage is, as I have not had any experience with it. In diseases, stem rot and mildew are the most common. Stem rot can be prevented by being careful with water and air when the plants are young, and a not too close planting. For mildew, use flower of sulphur. Lately, I have noted, especially in the early stages, some of the leaves turning yellow, and the plants have a peculiar color, finally losing their leaves and the plants dying off. I traced this trouble to inferior and not well developed seed; if you don't look out for good seed, the raising of good flowers will become a difficult matter.

Marketing

If you have, by good culture and care, succeeded in producing good flowers, it is now important to deliver the same to your commission house, or customers, in the pink of condition. It is most necessary to bunch separately any flowers which have changed a little in color, as such, mixed with the good flowers, soon spoil the whole bunch; furthermore, tie your bunches at the bottom end of the stems so they will be loose, and crushing of the flowers will be avoided. Never allow any water on the flowers themselves as they soon get spotted, lose their fragrance and are unsalable. It is much better to ship your flowers without their having been in water; the commission man will attend to them. There are no flowers so popular as the Sweet Peas, and it is most necessary for an uptodate florist to have always a supply on hand, as they can be used for all occasions. We have now a great variety of Winter blooming Sweet Peas, and it is not necessary for one to name all the varieties. Sweet Peas well grown, and in good colors, will repay well for the attention and work they require.

A Pioneer in Florists' Supplies

The subject of this sketch, Jos. Haddleton, Rochester, N. Y., is easily the pioneer of the wire working design business in western New York. Coming to the United States from Birmingham, England, about 1860, he found no difficulty in plying his trade as a wire worker. Locating at 112 State st. in Rochester in 1864, he there laid the foundation for a successful business career, and has been identified with the florist business ever since. He can name among his patrons many who have been prominent in horticulture, including the late Geo. Ellwanger and James Vick. For years he enjoyed the patronage of the local florists, and although now in his 84th year he is very active, still taking as much interest in flowers as ever, as is shown by his labors in two small greenhouses connected with his dwelling. Before coming to this country, Mr. Haddleton was in frequent communication with many prominent head gardeners of the large estates, including those of the Duke of Westminster, and at Kew Gardens, for whom he made wire baskets of every description.

His long connection with the business of James Vick brought him in touch with all the prominent florists in his section, which was of great benefit to him in his business. John Charlton in 1862, at that time a private gardener, gave Mr. Haddleton an order for a three-story wire basket, which when filled was the first ever exhibited in this country.

A New Dutch Rosary

The movement in favor of laying out public rosaries has been spreading abroad within the last few years. The Dutch Society of Rosarians, which has for its motto "Nos jungunt Rosæ" (Roses connect us) has taken an interesting step forward. It has applied to the city of Utrecht for the lease of a plot of ground of one hectare (2.471 acres), belonging to the public parks, for a period of ten years, on which it will lay out a great rosary. The Society will draw up the plans, subject to the approval of the director of public parks, and it will furnish the Roses, while the expense of keeping up the rosary will be at the charge of the city. If this project is carried out, Utrecht will get a magnificent public garden.—*Revue Horticole.*



Store of Wm. Loew, Pittsburgh, Pa.

Wm. Loew, Pittsburgh, Pa.

The illustration is that of the store of Wm. Loew, at 231 Diamond st., a dealer in Christmas and other florists' greens, and an old subscriber for The Florists' Exchange.

ONE WEEK ONLY

Everything listed below is a decided bargain and we know the same stock cannot be purchased anywhere else at the same prices we quote. We know we will make new customers and we have decided to sell the stock below, for one week only, at the prices mentioned. After this, we will not hold ourselves to these prices.

CALLAS

We have 150 extra strong pot-grown Calla Lilies, ready to transplant in 7 and 8-inch pots. We are now cutting flowers from these plants. As we haven't the room to plant these out or pot them up, we will sell them, while they last, at the following bargain prices:

$2.50 per dozen; $17.50 per 100. $25.00 will take the lot.

AUCUBAS

We have a fine lot of Aucuba Japonica Variegata, 1½-2 feet, bushy, elegant shape, just freshly received from Holland. We are going to sell a couple of hundred at the following exceptional price: $4.00 per dozen, $25.00 per 100.

We can ship green tubs to hold these plants at $2.00 per dozen.

TABLE FERNS

For Fern dishes, fine bushy stock, ready for use, best assortment of varieties, 2½ inch at $3.50 per 100; extra heavy, 3-inch, at $5.00 per 100.

ASPARAGUS PLUMOSUS NANUS

3 inch, very bushy, at $5.00 per 100.

A BARGAIN IN PALMS

KENTIA BELMOREANA

Fine stocky plants, 12-15 inches high; 4 inch pots, ready for shifting, at $2.50 per dozen, $18.00 per 100.

ARAUCARIA EXCELSA

5-inch pots, 3 to 4 tiers fine, healthy stock, **very special,** at $6.00 per dozen, worth at least 75 cents each.

CIBOTIUM

5 inch, very heavy, ready for 6 inch, **very special,** at $1.25 each.

Kindly send cash with order. If you do not think the stock is right, send for a sample dozen or so.

THADDEUS N. YATES & CO. 7356 GERMANTOWN AVENUE, Philadelphia, Pa.

Over 100 acres of Nursery Stock. If you want anything in Hardy Trees, Shrubs, Vines, etc., send us your list at once.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Carnations for Christmas

The Unwisdom of Forcing Plants Unduly

Realizing that Christmas and New Years are days when, perhaps, the highest price of the season will be paid for Carnations, many growers are tempted to apply extra heat, in order to produce flowers a little faster; and it seems, when looking over a well-grown bench of plants full of buds, as though we ought to be able to do something in order to open them up, and yet there is hardly another plant which can less stand extra heat, in order to get buds into flower, than the Carnation. Toward Spring and Summer, when everything pushes ahead naturally, the Carnations are no exception to other plants, and soon will get used to warmer conditions; but attempting like treatment during December has caused regret to more than one of us. There are far more Carnations ruined by keeping the houses too warm than from an insufficiency of heat. The only thing that could happen in a Carnation house kept too cold—that is, if proper care is taken of the plants otherwise—is that they would be shy in blooming during the Midwinter months, but they would later make up for this; while, on the other hand, a Carnation once showing bad effects from too high temperatures, such as a dose of spider, stem rot, fungus or other diseases, or a specially weak growth, will never be the same again. One may hold out the theory that a few days of slightly raised temperature can't do much harm. If this is so, you can depend on it that not much good comes from it. The only time the houses should be allowed to run to a higher temperature might be on sunny days; on such it will affect the stock least, and at the same time accomplish most in the way of getting flowers to open up; but on cloudy days —don't. Let the stock come along as it ought to; you will be the gainer in the end. Most of us need the flowers every day, and, after all, it won't make a great deal of difference if we do cut a few more Carnations on Christmas, only to wait longer for more afterwards.

The Christmas Poinsettias

What to Do to Prevent the Cut Flowers from Wilting

If there is one bad feature about a Poinsettia when cut it is the wilting, and oftentimes their utter uselessness after a few hours in the residence of a customer. The grower should make every effort possible to prevent this wilting as far as he can. Perhaps one of the best ways to do this is to have a kettle holding a quart or so of boiling water at hand when cutting the stalks. If quantities of them are to be cut the water should be kept in a boiling state by a lamp of some kind. Just as soon as the flowers or bracts are cut with the desired stem, dip the end, and only the end, into the water for not over a half minute; by so doing you scald the part which is cut and, so to speak, seal it to such an extent as to stop the flow of the milk-like sap. While this will prevent wilting to an extent, the careful wrapping of each flower and placing the stems half-way up in water and letting them remain in a cool, dark place for about 18 hours before they go to a customer or the commission man, will get them into shape to last for days afterwards in perfect condition. In wrapping the flowers, lay a piece of wrapping paper, of about 10x16 inches for ordinary sized bracts, on the table and place your stems lengthwise on it in such a way as to allow a few of the upper green leaves to be wrapped up with the bract. Don't wrap too tightly; afterwards tie the paper above and below. Treated in this manner, and ultimately placed in water, the bract and leaves will become filled with water to the very ends, through the pores of the stem and the leaves, which are in the water, and thereby are enabled to stand up for quite some time when exposed to a dry or hot atmosphere.

Ferns

A Good Stock of Table Ferns Needed for Christmas

How about the stock of table Ferns? The holidays are bound to make a big hole in it. No matter how we prepare, usually, by Christmas we are short of certain sorts and generally the best ones at that. When there are thousands of little Ferns to choose from it matters little which ones you take in filling a dish. With the small man this, however, is different. While it wouldn't be just nor fair to try to select poor stock when filling a dish, in order to get rid of it, it is poor policy when there is a fresh lot of plants on hand to pick out the very best, for when the batch comes to the end nothing is left but unsalable stock. When filling a Fern dish, usually, you work for a mass effect, and to accomplish this it isn't always necessary to have every plant a perfect shaped specimen; frequently a one-sided one will answer to fill a certain vacancy, and to plant a full, bushy plant instead would be waste; there is no reason for it. With Fern dishes, as with all other plant arrangements, avoid a stuffed or crowded condition as you would a dish filled so that the top of the soil can be seen bewteen the plants—either condition is wrong. A dish should be well filled, but that doesn't mean crowded. Usually the plants in the dishes, when once in the hands of a customer, don't grow much more. Here and there is an exception, but generally their shadows grow less from day to day, and, on that account, if for no other reason, a dish should be filled well, so as to allow for the loss of quite a few leaves before the dish looks unsightly. There is quite a difference between being able to grow Ferns for dishes and filling a dish, doing it right; and the man who can do both is a valuable one for the retail grower to have, because he can, no doubt, do other things as well.

Christmas Preparations

Dracæna terminalis, Lorraine Begonias and Asparagus plumosus

The retailer who has no greenhouses outside of his store is badly handicapped in many ways, and good business abilities on his part are necessary if he wants to be successful. When it comes to the lasting qualities of a Palm, a store usually is all right; but not so with flowering plants—a few days on display and they begin to show the effects of the lack of light and sunshine. The man with no greenhouses attached to the store is working under a great disadvantage, as he cannot afford to keep or carry any more stock in flowering plants than he can safely figure he will dispose of, and for a day like Christmas this means a good deal, for there are plants of which a good stock should be carried, and which require a greenhouse in order to keep them in good shape if not sold right away; the same necessity exists when reserve stock is to be kept, for the purpose of filling late orders. Those who have proper facilities should not overlook preparing a good stock of small Lorraine Begonias, plants out of 2½-in. or 3-in. pots, as well as small plants of Asparagus plumosus; with a quantity of these, and some smaller sized Dracæna terminalis and Pandanus Veitchii, one can in a few minutes make up most desirable plant arrangements which, when furnished with Willow baskets, hampers or waterproof crepe paper, are hard to beat. There isn't any necessity for using every plant on the place in the Christmas preparations, only a few of such madeup dishes are wanted; but what should be found at each place is a good stock of suitable plants for this purpose; if they are not all used for Christmas no harm is done, they will sell later on, the only difference is that you will have a chance to sell 25 of them in one day for Christmas, where one is sold during the two weeks following.

Vincas

Propagation and Care of Stock

There isn't any time in particular for propagating the Vincas, but you can get the greatest percentage of the cuttings rooted whenever the growth you use for the cuttings has been made indoors and is rooted there. When the plants are out in the field they are liable to have too soft growth to make the taking of cuttings advisable. The plants brought into the greenhouse six weeks ago, and either planted out on a bench or potted up and placed along the edge of a Rose or Carnation bench, have by this time made considerable new growth, which is ideal for propagating; every cutting will root, and if at all taken care of this young stock will make good material for next Spring, for work where a heavy vine may be out of place. Very few of us ever have sufficient Vincas for our Spring work; before the season is over we are in the market for some, no matter how large a stock we carry. Vincas, the variegated as well as the green, are among the easiest of plants to handle. What they love is a moist atmosphere and a rich soil; in poor soil and dry quarters they will only struggle along. Quite frequently one comes across just such plants, utterly useless for the purpose they are intended, and while many good plants are offered by reliable growers who make almost a specialty in growing them, it pays to have your walks, when possible, lined with them. Wherever bedding stock is grown they should be seen. Give the plants a liberal sized pot, good stiff soil, and don't neglect them. Another good plan is to plant them out along the edges of the benches, by constructing a box along the benches, 4 inches wide by 6 inches deep, allowing about 6

(Concluded on 1058B)

The E. G. Hill Co.'s New Forcing Hybrid Tea, Rose Queen



ROSE QUEEN

Color—This new rose has the startling shade of pink found in *Rodocanachi*, or in a perfect *Testout*, with yellow standard at the base of the petal, which is a guarantee that the flower will never "blue" with age, and that it will not fade in bright sunlight.

Form—The bud is very long, slender, and pointed, and opening shows a heart glowing with color.

Stem—One of its strongest points is the freedom and quickness with which it makes long stems, which hold the fine buds quite upright, producing high-grade blooms earlier than any other rose on first year plants.

Petalage—It is fuller than *Killarney* and opens readily even in dark weather.

Its **Keeping Qualities** are remarkable; it has carried in fine condition to all the shows, and has stood up well after arrival.

The **Foliage** is decidedly handsome, while not too profuse.

It has a strong **Constitution,** is healthy and free from mildew and blackspot; does not drop its foliage as Killarney does, and never takes on the faded appearance that so often mars the beauty of the latter.

Management—The average grower will have no trouble in producing high-grade blooms, for the variety has no ugly tricks of growth or faults of constitution; takes same temperature as Killarney or 'Maid.

It **Propagates** readily.

Rose Queen won the prize at the Chicago Show, November, 1910, as the best undisseminated seedling.

READY MARCH 1

50 cents each.
$35 per 100 (25 at 100 rate).
$300 per 1000 (250 at 1000 rate).
$5 per 100 additional for grafts ready during March.

OUR NEW CARNATION
BONFIRE

(Exhibited as Mrs. Beckwith, but the lady's choice being a pink carnation we are reserving her name for one of her favorite color.)

Color, intense velvety scarlet; a nice clean grower; with beautiful blue grass, indicating a strong constitution; habit excellent, free in growth and bloom, stem long and stiff, with a strong calyx; this is a first-rate commercial scarlet, a fine companion for **Beacon,** which is now practically our only red variety.

It is early, and opens its bloom quickly; an unusually good traveler and keeper. Each year of its trial has confirmed our estimate of its value.

Won silver cup (sweepstakes) at Chicago Show in 1909 for best seedling exhibited.

First in red seedling class at Chicago in 1910.

First at Indianapolis in 1910 in open class for 50 red, winning over 8 entries of Standard and novelty varieties.

$12.00 per 100; $100.00 per 1,000.

Mrs. AARON WARD
The New Yellow Forcing Rose

This rose is a real joy to the grower, and absolutely distinct; if it never bore a flower, the plant would still be an object of beauty with its close-set foliage, dark and glossy leaves, long, slender and pointed, with maroon reverse.

The habit is admirable, very freely branched, making a perfect shrub in form, and rustling with health.

Every shoot produces a flower—

And the color! Coppery orange in the opening bud; golden orange when partly developed; pinkish fawn of lovely shade when fully open, when it looks like a full, fluffy silk rosette. No wonder that flower-buyers have fallen in love with it.

Any grower wishing novelty in his cut roses, any florist needing something besides pink and white and red, will be delighted with the lovely *Mrs. Ward.*

$12.00 per 100 } Own root,
$100 per 1,000 } January delivery.
$25 per 100 for strong grafts in March.



ROSE MRS. AARON WARD

THE E. G. HILL CO., Richmond, Indiana



TRIMMED WITH EVER READY FLOWER POT COVER

FOR BEGONIAS

One of our White, Green or Pink Ever Ready Covers is the cheapest and most satisfactory way of trimming. Remember the customer does the trimming. Merely send the cover—he does the rest. How much is time worth to you?

FOR POINSETTIAS

A New Red and Green Ever Ready Cover. Did you ever try to trim a pan? This is all overcome by the "Ever Ready." Send for sample (state size of pot), Price List and Booklet.

EVER READY FLOWER POT COVER CO.

146 Hughes Avenue : BUFFALO, NEW YORK

W. H. GREVER, Manager

Please mention the Exchange when writing.

inches between the plants; when ready for them in Spring, cut them out with a strong knife; here and there a plant may wilt a little afterward, but not to amount to anything.

Hardy Lilies for Indoors

The Present a Good Time to Start the Bulbs

The hardy Lilies, such as L. auratum, speciosum album, rubrum and melpomene arrived in good time for outdoor planting this year. On account of the dry condition of the soil, not having had rain for some weeks, the few heavy frosts we have had did not interfere with the working of the soil. The Lilies were planted about 6 inches deep, and had a thorough watering. If the rows they are in are covered lightly with manure during the next four months, the bulbs will make good next Summer. Many retail growers handle the hardy Japanese Lilies of the sorts mentioned indoors, and with this treatment you will have a supply of flowers long before those planted outdoors are ready. For this purpose pot up the bulbs now, say three 7-9 size bulbs to an 8-in. pot; not that you can't grow them separately as well, but you will save space in that manner. If you have a deep coldframe, put the pots there; if not, underneath a Violet bench will do, as long as they can be kept cool in order to get well rooted before growth begins. These Lilies, like the candidums, do not at any stage like a very high temperature, and differ in this respect from the L. longiflorum, with which it is almost entirely a matter of temperature when once the plants are well rooted. It is poor policy to attempt to get any of this section to bloom for a certain date, especially when it necessitates strong heat to accomplish results. A far better way is to go slow. Whenever they do bloom, if at all in fair shape there will be found a demand for them; the slower they come along the better will be the flowers, and the time when we have only L. candidum to depend on for a white Lily is over. With cold storage stock of L. Harrissii it is possible to have Lilies with us all the year; but there is room for all the others—they answer as a pleasant change, and are of the greatest value as florists' flowers, no matter when in bloom.

Sweet Peas

Sow Seed Now for Early Spring Blooming

While some fine Peas are grown indoors, which give us fair flowers even during the dark days of December and January, the nearer we get toward Spring the more natural it is for the Sweet Peas to do their best, even for the ones we have known for the last few years as the Christmas flowering varieties; for while they have made it possible for us to have Sweet Peas in bloom practically every day in the year, they, as well as the others, belong to the same Lathyrus family and do not differ from the others as to what they like and dislike. While the average grower hardly ever finds himself with a lot of bench room he has no use for, or does not know what to do with, there are times when, as is the case after the 'Mums are all out, when it might be of value to properly consider just what to put into a certain space, bench or house, and among the things which are of value the Sweet Peas are very near the head of the list. Seed sown now will produce plants coming into bloom about March, and should be in their prime around Easter. Of course, a great deal does depend on weather conditions. One thing, however, is certain, they should prove a paying proposition, especially if you retail your own stock. Not that you can't buy as good ones as you grow, perhaps better, but a Sweet Pea, like a Violet, in order to be at its best, should be fresh. Cutting the flowers one day, sending them to the market the next, and selling them to the customer on the third can't often be avoided. Then there is the loss of what you don't dispose of. All this is to be taken into consideration, and while we handle flowers which are not affected by this sort of treatment, the Sweet Peas are, and it is a great advantage when you can cut at least a part of what is required from your own plant. With the stock in bloom now, the greatest care is required. Don't overlook the weather conditions; the dark, cloudy days will have a bad effect on the plants if the soil is not allowed to dry out once in a while. They hate a sticky atmosphere, so, whenever possible, give air.

Pittsburgh

Trade in the past week was fairly good. There is a good supply of stock and prices are reasonable. 'Mums have thinned out considerably, but a few good ones are seen. Carnations bring 3c. for fair stock, with a plentiful supply. Roses are abundant and prices unchanged. Lilium Harrisii is coming in strong, with but a limited demand. A good lot of Stevia is on hand, and Paperwhite Narcissus also. Romans are plentiful. We have had almost a month of Winter weather; at present the ground is well covered with snow and the thermometer below the freezing point, which will have the effect of shortening the crop of cut flowers and advancing prices.

A. Smith, Jr., of the A. W. Smith Co., on Liberty ave., has been confined to his home for several days.

Wm. Loew, better known in our community as the "green goods man," has opened up the store room on Liberty ave. where he was last year, with a good supply of Christmas decorations.

The Allegheny Floral Co., which opened up a store on Federal st., North Side, a few months ago, has quit business for lack of trade.

In my notes of Nov. 26, I mentioned the death of Geo. J. Langhans, stating that he had worked at the florist business with E. C. Ludwig and H. Blind & Bros. This was a mistake, as I had been misinformed. It was a brother of the florist who died, and he was not connected with the florist business.

W. C. Beckert, the North Side seedsman, reports the wind up of the bulb trade as very satisfactory; although weather conditions were very unfavorable he managed to dispose of his large stock of bulbs at fair prices. E. C. R

Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS

Get Prices on our Latest Ventilating Machine—Best on the Market

PECKY CYPRESS GLASS HOT-BED SASH

THE FOLEY MANUFACTURING CO.,

Western Avenue and 26th Street CHICAGO, ILLINOIS

Please mention the Exchange when writing.

Dreer's Holiday Offer of Decorative Plants

PALMS—DREER'S STANDARD QUALITY AND VALUE

Areca Lutescens

Splendid Plants of Good Value.

6-in. pots, 3 plants in a pot, 30 to 36 in. high..$1.00 each
7-in. pots, 3 plants in a pot, 36 in. high.... 2.50 each

Cocos Weddeliana

Splendid Plants of Good Color.

3-in. pots, 8 to 10 in. high..$2.00 per doz., $15.00 per 100
5-in. pots, 18 to 24 in. high.....$0.75 each
7-in. pots, 36 to 42 in. high..... 2.50 each
8-in. pots, 36 in. high, heavy..... 5.00 each

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
7-in. pots, 6 to 7 leaves, 34 to 36 in. high	2.50
8-in. tubs, 6 to 7 leaves, 42 to 44 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 in. high	5.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
7-in. pots, 6 to 7 leaves, 38 to 40 in. high	2.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 to 50 in. high	5.00
9-in. tubs, 6 to 7 leaves, 60 to 66 in. high	8.00
10-in. tubs, 6 to 7 leaves, 5½ to 6 ft. high	10.00



Cocos Weddeliana

Kentia Forsteriana

(Made-Up Plants)

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plauts in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00
14-in. tubs, 3 plants in a tub, 7 ft. high	25.00

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 in. high	$2.50
9-in. tubs, 42 to 46 in. high	3.00
10-in. tubs, 46 to 48 in. high	4.00
11-in. tubs, 48 to 52 in. high	5.00
11-in. tubs, 52 to 54 in. high	6.00
18-in. tubs, specimen plants, 8-ft. spread	40.00

Phoenix Roebelenii

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25
6-in. pots, 1½ ft. high, 2 ft. spread	2.00
8-in. tubs, 2 ft. high, 2½ ft. spread	5.00
12-in. tubs, 2½ ft. high, 3 ft. spread	12.50
14-in. tubs, 3 ft. high, 4½ ft. spread	35.00
15-in. tubs, 3 ft. high, 6 ft. spread	50.00

DREER'S FINE FERNS

Nephrolepis Bostoniensis

6-in. pots, ...50c. each

Nephrolepis Scottii

6-in. pots .....$0.50 each
8-in. pans ..... 1.00 each
10-in pans ..... 2.00 each

Nephrolepis Scholzeli

6-in. pots .....$0.50 each
10-in. pots ..... 2.00 each

Nephrolepis Whitmani

6-in. pots .....$0.50 each

Adiantum Farleyense

In prime condition for use in hampers, made-up work, etc.

4-in. pots, splendid stock.....$5.00 per doz.
5-in. pots, splendid stock..... 9.00 per doz.
6-in. pots, splendid stock.....12.00 per doz.

Asplenium Nidus Avis

Bird's Nest Fern

This Fern is out of the usual and will appeal to your customers for small jardinieres, and will also work in well with made-up work.

3-in. pots .....30c. each
4-in. pots ..... 40c. each

Assorted Ferns for Dishes

2¼-in. pots .....$3.50 per 100; $30.00 per 1000
3-in. pots .....$6.00 per 100

Miscellaneous Decorative Stock

Bush-form Boxwood

10 to 12 in. high .....$20.00 per 100
12 to 14 in. high ..... 30.00 per 100
16 to 18 in. high ..... 50.00 per 100
18 to 20 in. high ..... 75.00 per 100
22 to 24 in. high ..... 1.00 each
26 to 28 in. high ..... 2.00 each
30 to 32 in. high ..... 3.00 each

Ball-shaped Boxwood

14 to 16 in. diameter .....$1.50 each
18 to 20 in. diameter ..... 4.00 each

Pyramid-shaped Boxwood

3 ft. high, 14 in. diameter at base.....$2.50 each
3½ ft. high, 16 in. diameter at base..... 3.00 each
4 ft. high, 18 in. diameter at base..... 4.00 each
4½ ft. high, 20 in. diameter at base..... 5.00 each
5 ft. high, 20 to 22 in. diameter..... 6.00 each

Standard Boxwood

	Each
Stems 16 to 18 in. high, crowns 12 in. diam.	$2.00
Stems 20 to 22 in. high, crowns 14 to 15 in. diam.	3.00
Stems 20 to 24 in. high, crowns 16 to 18 in. diam.	4.00
Stems 20 to 24 in. high, crowns 30 to 32 in. diam.	10.00

Pyramid Buxus Latifolia

4 to 4½ ft. high, 18 to 20 in. at base.....$4.00 each

Araucaria Excelsa

5-in. pots, 12 to 15 in. high, 3 tiers.....$0.60 each
6-in. pots, 14 to 16 in. high, 3 to 4 tiers.... .75 each
6-in. pots, 16 to 20 in. high, 4 tiers..... 1.00 each
7-in. pots, 20 to 24 in. high, 4 to 5 tiers.... 1.25 each

Araucaria Excelsa Glauca

5-in. pots, 8 to 10 in. high, 2 tiers.....$0.75 each

Asparagus Plumosus Nanus

For dish work, 2¼-in. pots, 60c. per doz.; $4.00 per 100
For dish work, 3 in. pots, 85c. per doz.; $6.00 per 100

Aucuba Japonica

Bushy plants, 12 in. high.....$0.30 each
Bushy plants, 18 in. high..... .40 each
Bushy plants, 24 in. high..... .60 each
Specimens, 3 ft. high, bushy..... 3.00 each

Silver Leaved Euonimus

Splendid for baskets and hampers.

6-in. pots, 18 to 24 in. high.....$0.75 each

Pandanus Veitchii

Nicely colored plants in 6-in. pots.....$1.00 each

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.



Double House of Paperwhite Narcissus
100,000 Bulbs Planted Oct. 10-20, and in Crop at Thank sgiving
Grower, E. W. Fengar, Irvington, N. J.

Among the Growers

E. W. Fengar, Irvington, N. J.

The establishment of E. W. Fengar at Irvington, N. J., embraces 13 houses, and some lean-to propagating houses. A visitor just now will see the latest addition, built since July 1, a splendid King house 54 by 184 ft.; it has just been placed under heat, and has been planted wholly with Golden Spur Narcissus, direct in the benches. With the exception of a large Carnation house, 85 by 150 ft., also of King construction, the other houses are all of the ridge and furrow type, the oldest houses built only about three years ago.

Four of the older houses have been divided into practically two houses. One pair has been planted to Paperwhite Narcissus exclusivley, with the exception of a narrow bench of Stevia, now cut out. We present herewith a photograph of this house showing the crop from 100,000 bulbs planted direct in the benches on October 10 to 20. A crop of Chrysanthemums was taken from the house previously, and the first Paperwhites were cut at Thanksgiving.

In the large Carnation house mentioned, a block of 3000 of the variety Dorothy Gordon is a sight just now, the plants throwing very large flowers on long, graceful stems, and a mass of buds. Mr. Fengar wishes he had a larger stock of the variety, as it appears to be a slow propagator, every break running to a flower. He is highly pleased with it as a producer. Some idea of its productiveness may be gained from a photograph made December 3, and here reproduced. The stock occupies the wide bench seen at the right of the picture.

The other houses, each 22 by 150 ft., are all planted to Carnations, which show excellent culture. The varieties planted are: White Perfection, Beacon, Winona, Mrs. M. A. Patten and Enchantress; and there are trial benches of Mrs. C. W. Ward and O. P. Bassett.

Edw. Persson is the grower in charge of the establishment, and his care is well demonstrated in the fine appearance of the stock. The cut of the establishment is shipped to Henshaw & Fenrich, 51 W. 28th st., New York City.

The Chicago Carnation Co., Joliet, Ill.

Few places in the neighborhood of Chicago grow as many Carnations as the Chicago Carnation Co., whose greenhouses are at Joliet, Ill., and office at 35-37 Randolph st., Chicago. The company grows Carnations exclusively and its cut at the present time is probably the most uniform of any coming to the Chicago markets, all the varieties marketed having long, stiff stems and large flowers.

It is interesting to note that nearly one-half of the number of plants grown are of white varieties, including 36,000 White Enchantress and 10,000 White Perfection. In pinks there are 20,000 Enchantress, a few thousand May Day, some Pink Delight and Mary Tolman, and 1000 plants of Princess Charming, the latter a beautiful flesh pink seedling raised by H. Eichholz, Wayneshoro, Pa., and which this company is helping him to disseminate; the plants show a very strong, heavy growth and are giving a very heavy crop of extra strong-stemmed flowers, which are of large size and of a most beautiful color, a deep flesh in the center gradually becoming lighter at the edge.

Among the new varieties sent out last year is to be found Scarlet Glow, making good as a scarlet and promising to become the leading scarlet before long; the color is considered by many to be the most brilliant of auy scarlet. Sangamo, among the pinks, is proving to be all one could desire as a medium pink, the plants showiug a remarkably heavy crop of good flowers, on straight, stiff stems. Conquest, variegated, has taken the place of Prosperity, as the color is much better than that one time popular variety, aud the producing qualities are of the best. Shasta, white, is doing very well, but has a hard time to secure a place against the other good varieties of this color. Dorothy Gordon is giviug excellent blooms, and plenty of them, of high quality, and it is considered a good variety to grow. Mary Tolman is all oue could desire as a good flesh pink, having a beautiful color, good stiff stems and fine flowers. In scarlets, Beacon and Victory are also grown in quantity, and now are furnishing most of the blooms of this color. A Carnation of a color not often seen, is James Whitcomb Riley, a bright yellow. For dark pink, Aristocrat, Afterglow and Alvina are benched, but all will be discarded after this year, as Washington, the dark pink sport of Enchantress, will take the place of all varieties of this color. Of the 15,000 plants of Washington benched, all are seen to be in the best of condition, showing remarkable vigor and extra fine dark green foliage. The color is a beautiful cerise, about the shade of Lawson, a color just right for a dark pink, much darker than Rose Pink Enchantress, which has a tendency to get streaked, and still not so dark that it turns blue at any time. Its keeping qualities are of the best; blooms purposely kept in the Chicago store all of a week have been found still in good condition at the end. The company has already booked an enormous lot of orders for Washington, for early delivery, and every mail is bringing new orders. The company says the variety is really selling better than was expected, and that it will be but a short time before they will be entirely sold out for January and February deliveries.

Some 6000 seedlings are grown, in first, second and third year trials. Among the most promising is a scarlet, an improved Victory in every respect, the flower larger, the color the same, and the plants are making a very rapid growth. The plants are very large, clean and healthy, producing long, stiff stems. The variety will probably be ready for the market next year.

The company hopes to win the Kroeschell cup next year with a second year seedling, a beautiful medium pink; every bloom is 4½ in. to 5 in., very deep and well filled out.

A white seedling, a cross between White Enchantress and White Perfection, is very promising.

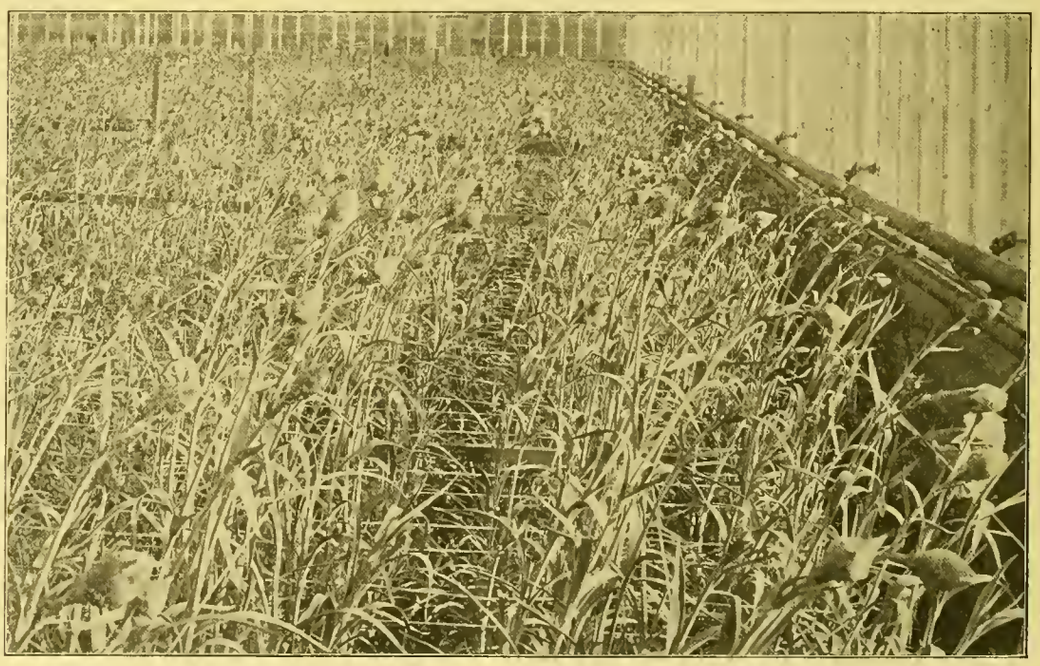
Propagating is in full swing, and some 150,000 cuttings are already in the sand, a stock which will insure the filling of all orders promptly.

A SUGGESTION TO DEALERS IN DAHLIAS.—One matter that should be impressed upon some of your Eastern dealers is that they should send out their catalogs earlier to prospective Pacific Coast customers, for our Dahlias are usually planted in March, and a month or two earlier is none too soon for us to choose varieties and plan for the season's triumphs. Often, after all my ground room is occupied, I receive a catalog from some reliable dealer advertising a Dahlia I would have, some way, made room for had I known of it earlier in the season.

Bear in mind, tubers planted outofdoors here in the Spring, blossom in June and continue often till after Thanksgiving; so we have an ideal Dahlia climate.

December 1, 1909, I had Dahlia blossoms on the table. —MICHAEL DOWD of Tacoma, Washington, in *Dahlia News*.

THE TURKENSCHANZPARK in Vienna, Austria, founded to commemorate the jubilee of the aged Emperor Francis Joseph of Austria, who recently completed his 80th birthday, will be one of the largest public parks of modern construction. It is laid out on sweeping lines, the plans including great stretches of meadow, cascades, rockeries, an Alpine garden, pavilions, and extensive play-grounds.—Der Handelsgærtner.



Bench of Carnation Dorothy Gordon (At Right) at Establishment of E. W. Fengar, Irvington, N. J.

$10,000 IN PRIZES

The National Flower Show

Mechanics Building, Boston, Mass.

MARCH 25th to APRIL 1st, 1911

AUSPICES

AMERICAN SOCIETY *of* FLORISTS *and* ORNAMENTAL HORTICULTURISTS

IN CO-OPERATION WITH

AMERICAN ROSE SOCIETY AMERICAN CARNATION SOCIETY

AMERICAN GLADIOLUS SOCIETY

MASSACHUSETTS HORTICULTURAL SOCIETY

IN CONNECTION WITH

ANNUAL SPRING CONVENTIONS OF SAID SOCIETIES

THE GREATEST

FLORISTS' EXHIBITION

EVER HELD IN AMERICA

IN CONNECTION

Complete Trade Exhibition

All Prominent Concerns in the Country will be There

40,000 Square Feet Already Engaged

Secure your space NOW, before all desirable locations are taken

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For application for space and other matters, address

CHESTER I. CAMPBELL, General Manager,

Executive Offices, 5 Park Square, Boston, Mass.

A Rockery as a Commercial Feature

By A. H. SECKER

The accompanying illustration shows a rockery at the establishment of J. B. Keller Sons, Rochester, N. Y., that was seen and admired by many visitors during the recent S. A. F. convention.

Rockeries are becoming more and more popular, and the one at Keller's has proved a good advertisement for the firm in connection with the local retail trade. Similar means of interesting customers, and drawing their attention to the possibilities of such plantings, are within the reach of every florist, as there is hardly a corner at most establishments but what could be used to great advantage in this respect. Easily built, a rockery is a source of pleasure from early Spring until late Fall, and once established is easily maintained, and will be found to pay for itself many times over. Practically any location will do, except one facing the north, and even such a one might be utilized when no other place is available. A few loads of good soil, and a load or two of rocks placed firmly in same, in such a manner as to leave open spaces from one to three or four feet in diameter, will complete the base, and in the spaces are planted any of the various plants suitable for such work. Fill each space with one variety, thus creating a better effect. If possible, secure weather-beaten or worn rocks, as in the crevices of these many rock plants attach themselves, such as the Sedums, Echeverias, and many others which, when once established, prove quite valuable. I have known rocks upon which plants have become established to be sold for $10 to $25 each, as customers who contemplate building rockeries are anxious to secure such pieces with a view to obtaining an immediate effect. Some little time is, of course, necessary to keep a rockery clean and in ship-shape, and constant care must needs be exercised to keep the plants in their respective places, as, many times, seedlings of some perennials will grow so rapidly as to cover up everything else; this might apply to the Columbines, Violas, etc., as well as to many annuals which spring up all over from seed dropped the preceding year. But little manure is necessary for a rockery if good soil is used in the first place, although an occasional sprinkling of bone meal, pulverized sheep manure or shredded cattle manure, such as the Wizard brand, will be found beneficial, as all are supposed to be free from weed seeds, and are readily applied.

Mounds for rockeries may be built around the bases of large trees, on banks or small slopes, at the entrances to houses—as was the case in the illustration—working both ways from the main or side steps, or in many corners of well-kept gardens. While somewhat incomplete, a fairly representative list of plants suitable for rockeries is as follows:

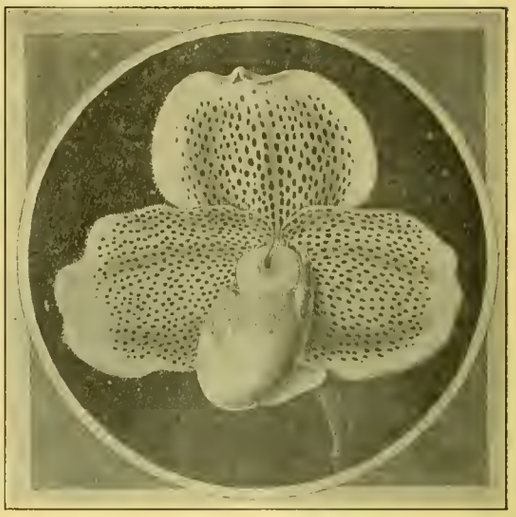
Perennials

Alyssum saxatile compactum; Tunica saxifraga; many varieties of Heuchera; Myosotis, hardy varieties; Aubrietia græca and deltoides; Campanula glomerata daturica and others; Spiræa filipendula fl. pl.; Ajuga reptans; Veronicas in variety; Sedums; Lotus corniculatus fl. pl.; Silene saxifraga; Ranunculus in variety; Tunica saxifraga; Lychnis viscaria plena; Lysimachia nummularia; Armerias in variety; Anemone pulsatilla; Euonymus radicans; Lobelia cardinalis; Retinisporas; Aquilegias in variety; Iris albicans alba; Asperula odorata; Cerastum tomentosum; Iberis cordifolia; hardy Pinks; Phlox subulata in many varieties; Primula veris sup. and others; Arabis albida fl. pl. and others; Arenaria verna; Statice; Polemonium reptans; Helianthus vulgare; Violas; Pansies; Ferns, etc.

Annuals

Coleus; Begonia Vernon and other types; Ageratum; Centaurea candidissima; Celosias; Petunias, double and single; Calendula; Marigold Dwarf Pet; Lobelia compacta; Alyssum Little Gem, and many others according to taste or requirement.

Then, too, in the Fall, one can plant in the spaces where many perennials are, some Spring-flowering bulbs, such as Tulips, Hyacinths, Crocus, Narcissus, Snowdrops, Chionodoxas, etc., and the range of color in these is large. Nearly all of the bulbous flowers are gone by the end of May, presenting a good opportunity to plant the annuals. In selecting plants, one should see that a succession of bloom be had all Summer through. A. H. S.



Cypripedium Princess May

From The Gardeners' Chronicle, Eng.

Cypripedium Princess Mary (Niveum × Helen II.)

In the raising of any new variety, where a desirable character exists in one or the other parent, the problem of the hybridizer is how to retain that character and yet improve the size and form of the flower in the progeny. In the bloom of C. niveum the purity of the white ground is an excellent feature, but the flowers are small, and it is a difficult matter to raise large-flowered seedlings from it without sacrificing the pure white ground. In the variety Princess Mary (see illustration), this has been obtained and the raisers, Messrs. Sander & Sons, are to be congratulated. The new variety was awarded a first-class certificate by the Orchid Committee of the Royal Horticultural Society on Oct. 25. C. Helen II, one of the parents of the new hybrid, was obtained by crossing C. bellatulum and C. insigne Chantinii, both of which have flowers with decided colors, from which C. Helen II, in its many varieties, derives its more or less yellow tint. When crossed with C. nivêum, however, the cloudy colors vanish, and the pretty, clear white flower of Princess Mary, with bright violet purple spotting, is the result.—Illustration and description from *The Gardeners' Chronicle* of England.



A Rockery as a Commercial Feature at Establishment of J. F. Keller, Rochester, N. Y.

Centaurea Candidissima in Foreground — Showing Steps Leading to House

PRICE LIST — CHRISTMAS, 1910

Craig Christmas Specialties

Are known all over the country and are in greater demand each year. Having increased our glass area over 50,000 square feet, we are in a position to meet our fast increasing business. Our stock for the Holidays is superior in quality to any we have ever grown, nothwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following, in the sizes herein listed :

15,000 Cyclamen 25,000 Poinsettias 20,000 Begonia Gloire de Lorraine 3,000 Azaleas

CYCLAMEN

This has been one of our specialties for over twenty years. This year we grew upwards of fifty thousand plants. At this time our stock is better than ever before and sure to be a money maker for any one buying now.

Plants in all sizes exceptionally well flowered.

4-in. pots .....$25 and $35 per 100
5-in. pots .....$6, $9, and $12 per dozen
6-in. pots .....$12, $15, $18 and $24 per dozen
7-in pots, 22 inches to 24 inches in diameter.....$2 and $2.50 each
8-in. pots (specimen plants; 26 inches to 30 inches in diameter).....$2.50, $3 each

POINSETTIAS

We grow none of the pink variety, all of our stock being of the selected, bright red sort; the bracts are unusually large in all the sizes.

3-in. pots .....$12 and $15 per 100
7-in pans, 3 plants with ferns..$12 and $15 per dozen
8-in pans, 3 plants with ferns.....$18 per dozen
9-in. pans, 3 plants with ferns .....$24 per dozen
10-in. low pans, 6 plants with ferns....$24 per dozen

DOUBLE POINSETTIAS

This is a great improvement over the single variety, the bracts being double and much larger.

3-in pots, heavy .....$20 per 100
4-in. pots, heavy .....$35 per 100
7-in. pots, 3 plants with ferns .....$1.50 each
8-in. pots, 3 plants with ferns .....$2 each
8-in. bulb pans, 5 plants .....$2 each

BEGONIA GLOIRE DE LORRAINE

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.

3-in. pots (for basket work) .....$20 per 100
4-in. pots .....$35 per 100
5-in pots, heavy .....$6 and $9 per dozen
6-in pots .....$9 and $12 per dozen
7-in. pots .....$15 and $18 per dozen
8-in. pots .....$24 and $30 per dozen

BEGONIA LONSDALE

We have a large stock of this light sport at the same prices as quoted above for Begonia Gloire de Lorraine. This variety is considered far superior to the original type, making a finer shaped plant, and holding the flowers much better. The color is a little lighter than the original Lorraine.

BEGONIA LONSDALE—Dark Sport

This variety holds it flowers better than any other, and owing to its great "keeping qualities," it will become a universal favorite.

4-in. pots .....$35 per 100
5-in. pots .....$50 and $75 per 100
6-in. pots .....$1 each
7-in. pots .....$1.50 each

BEGONIA GLORY OF CINCINNATI

This variety is endorsed by all the leading retail florists and will in time displace Begonia Gloire de Lorraine. Do not overlook this grand plant when placing your order for Christmas.

5-in. pots .....$1 each
6-in. pots .....$1.50 each
7-in. pots .....$2 and $2.50 each

AZALEAS

Our Azaleas were never in finer condition for Christmas and include one full house of that sterling variety "Madame Petrick," also a large quantity of "Hexe" and "Vervaeneana."

5½-in. pots, 6-in. pots, 7-in. pots .....$9, $12, $15 and $18 per dozen

Larger plants at $2, $2.50 and $3.00 each

Small "Madame Petrick," for basket work, at $7.50 per dozen

BOUGAINVILLIA SANDERIANA

We have an exceptionally fine lot of shapely specimens at $2.50, $3 and $3.50 each.

These plants will command big prices when in bloom next Winter and at Easter time.

BERRIED AUCUBAS

Well berried and well colored.

7-in., 8-in., 9-in., and 10-in. pots .....$15, $18, $24, $30, $36, $48 and $60 per dozen

GARDENIA VEITCHII

These are very strong plants and will make grand stock for Winter blooming.

2¼-in. pots, heavy .....$8 per 100; $75 per 1000
4 -in. pots, heavy .....$20 per 100; $180 per 1000
6 -in. pots, heavy.....$50 per 100
7 -in. pots, heavy .....$9 per dozen; $70 per 100

CROTONS

The Croton with its highly colored foliage is indispensable for the coming season. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.

3-in. pots .....$25 per 100
5-in. pots .....$1 each
6-in. pots .....$1, $1.25, $1.50 and $2 each
7-in. pots .....$2, $2.50 and $3 each
8-in. pots .....$3, $3.50 and $4 each
10-in. ¾ pans .....$5, $6 and $7.50 each

We desire to make special mention of Croton Cronstadtii. This variety is one of the most beautiful and graceful of the Croton family.

6in in., 7-in. and 8-in. pots ....$1.50, $2 and $2.50 each

Every retail store should feature Crotons this Winter. We know our stock will please you and your customers. There is nothing handsomer for Christmas baskets.

DRACAENA MASSANGEANA

The variety with the golden stripe down the centre of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an exceptionally large stock, well colored, and of the very highest quality.

7-in. pots .....$24 per dozen
8-in pots .....$30 per dozen
9-in. pots .....$48 per dozen
10-inch pots .....$5, $6 and $7.50 each

DRACAENA FRAGRANS

(Ready now)

5-in. pots .....$5 and $6 per dozen

DRACAENA TERMINALIS

Perfect foliage and brilliantly colored.

6-in. pots, very heavy .....$1.25 and $1.50 each

DRACAENA AMABILIS

Well-colored plants.

6-in. pots .....$18 per dozen
8-in. pots .....$2 and $2.50 each

PHOENIX ROEBELENII

This is unquestionably one of the great palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.

8-in. pots .....$30 and $36 per dozen
8-in. tubs.....$3.50 and $4 each

PANDANUS UTILIS

Superb stock

8-in. pots, strong plants.....$18 and $24 per dozen

PANDANUS PACIFICA

Very handsome plants

11-in. tubs .....$2.50, $3, $3.60 and $4 each

PANDANUS VEITCHII

2½-in. pots.....$30 per 100

ARAUCARIA EXCELSA

5-in. pots, 4 and 5 tiers.....$9 per dozen, $70 per 100
6-in. pots, 5 tiers.....$12 per dozen

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered. It will surely give satisfaction.

6-in. pots, 2 ft. tall.....$2 each
6-in. pots, 2½ ft. tall.....$2.50 each
7-in. pots, 3 ft. tall.....$3 each
8-in. pots, 4 ft. tall.....$4 each
10-in and 11-in. tubs, 5 to 7 ft. tall, $5, $6 and $7.50 ea.

The large plants are unusually fine

Branch plants, exceptionally fine, $2.50, $3, $3.50, $4, $5, $6 and $7.50 each

ABIES NORDMANNIANA

$0.75, $1 and $1.25 each

In tubs, very large.....$2.50 each

BOXWOOD

Just Arrived—Unusually fine stock of all plants of all sizes .....$0.50, $0.60 and $0.75 each
Ball shape .....$1, $1.25 and $1.50 each
Heavy Bush Form .....$1, $1.25 and $1.50 each
Pyramid .....$2.25, $3, 3.50, $4 and $6 each
Pyramid Squared, very handsome, in fancy tubs, $12.50 each

It will be well to place your order for the above at once. We will hold for future delivery or ship now.

ARECA LUTESCENS

Perfect plants with rich dark green foliage. Our stock is in splendid condition.

7-in. pots, heavy, 3 plants, 36 in. tall.....$24 per doz.
7-in pots, heavy, 3 plants, 40 in. tall.....$30 per doz.
8-in. pots, heavy, 3 plants, 42 in. to 44 in. tall, $36 per dozen
8-in. pots, heavy, 3 plants, 48 in. tall.....$3.50 each

NEPHROLEPIS—IN VARIETY

We are now the largest growers of Nephrolepis Ferns in the country, in the following varieties; in fact, we are headquarters for them. The demand increases each year and it is our aim to have every variety in Nephrolepis, in every size, every day of the year.

May we have your Christmas order on Ferns? Excellent values in all sizes.

NEPHROLEPIS AMERPOHLII

Philadelphia Lace Fern

6-in pots.....$6 and $9 per dozen

NEPHROLEPIS TODEAOIDES

London Fern

This variety we consider the best of the upright growing plants.

2¼-in. pots.....$5 per 100, $45 per 1000
4-in. pots.....$20 per 100
6-in pots.....$6 and $9 per dozen
8-in pots.....$12 per dozen
11-in. tubs .....$24 per dozen

NEPHROLEPIS SCHOLZELI

This is an ideal chested Fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2¼-in. pots .....$8 per 100, $75 per 1000
4-in. pots.....$20 per 100
6-in. ¾ pans, heavy.....$6 and $9 per dozen
8-in. ¾ pans, heavy.....$12 and $15 per dozen
10-in. ¾ pans, heavy.....$24 per dozen
12-in. ¾ pans, heavy.....$4 each

NEPHROLEPIS ELEGANTISSIMA IMPROVED

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.

6-in. pots, strong plants.....$6 and $9 per dozen

NEPHROLEPIS ELEGANTISSIMA COMPACTA

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape. Our stock of this variety is large and of exceptional quality.

2¼-in. pots.....$10 per 100, $90 per 1000
4-in. pots.....$25 per 100
6-in. pots .....$6 and $9 per dozen
8-in.pans .....$12 and $15 per dozen

NEPHROLEPIS SCOTTII

Our stock is in superb condition

2¼-in. pots.....$5 per 100, $45 per 1000
4-in. pots.....$16 per 100
6-in. pots.....$6 per dozen, $45 per 100
8-in. pans.....$12 per dozen
10-in. pans.....$18 per dozen
11-in. tubs, heavy.....$2 and $2.50 each

NEPHROLEPIS BOSTONIENSIS

11-in. buckets.....$3 and $3.50 each

NEPHROLEPIS GIATRASII—NEW

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.

2¼-in. pots .....$12 per 100

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots .....$4 per 100, $35 per 1000
3-in pots.....$7 per 100, $65 per 1000

ROBERT CRAIG COMPANY

49th and Market Streets, *Branch: Norwood, Pa.* PHILADELPHIA, PA.

ASCHMANN BROS. *Florists,* Philadelphia, Pa.

Second and Bristol Sts. and Rising Sun Avenue

Get Your Plants For Christmas Early, So Your Customers Can See Your Stock.

There is no present finer or one that brings more cheer to the home during the dull Winter days, than a fine foliage plant or a hamper of blooming plants, of which we have a fine assortment. Our Greenhouses are filled with the choicest of foliage and blooming plants, of medium sizes and at low prices, which will enable us to fill all orders promptly.

NEPHROLEPIS Scottii, 5½-6-in. pots, 40c. and 50c. each.
NEPHROLEPIS Bostoniensis, 6-in. 50c.; 7-in. 75c. and $1.00 each.
NEPHROLEPIS Whitmani, 5½-6-in., 40c and 50c. each.
NEPHROLEPIS Scholzeli, 6-in., 50c. each.
4-inch pots, of all above four varieties of Ferns, $2.00 per dozen.
NEPHROLEPIS Whitmani Compacta, 5½-in. pots, 40c. and 50c. each.

BEGONIA Gloire de Lorraine, the finest of all Christmas blooming plants, in 5½-inch pots, 50c. and 75c. each.

AZALEA Indica, in bloom for Christmae, fine large crowns; **Vervaeneana,** Variegated; **Simon Mardner,** pink; **Deutsche Perle,** white; $1.00 and $1.25 each.

Our Ferns are all pot-grown, fine bushy stock.

ADIANTUM Hybridum, 3-in., $7.00 per 100.
PTERIS Wilsoni. Fine plants in 6-in. pans, 30c. each.
DISH FERNS. Fine assortment, $4.00 per 100.
ASPARAGUS Plumosus Nanus. 4-in., $10.00 per 100.
PRIMULA Obconica. The finest strain; 4-in., $10.00 per 100.
PRIMULA Chinensis, 4-in., $10.00 per 100.

KENTIA Belmoreana, 4-in., fine plants, 30c. each.
COCOS Weddelliana, 3-in., strong plants, 20c. each.
ARAUCARIA EXCELSA, 3-4-5 tiers 5½-in. pots, 50c., 60c. and 75c. each; fine plants, good value for the money
FICUS ELASTICA, Rubber Plants, 5½-in. pots, 35c. and 40c. each.
SOLANUM, Jerusalem Cherries, 5½-in. pots, 25c. and 35c. each; full of large berries.

When ordering please state if you want the pots or not, as it saves forwarding charges to take them out.

CASH WITH ORDER PLEASE.

Our greenhouses are located only four miles from the center of Philadelphia (Market Street) and we can ship promptly from any express office, freight line or steamship company.

Please mention the Exchange when writing.

Improvement of Cemetery Lots

Opportunities Open to the Florist

Here are two pictures of the same lot in a cemetery. No. 1 was taken in the Summer of 1909, and No. 2 last Summer, 1910. The mausoleum was built three years ago. In itself it is an excellent structure, set on a beautiful lot and surrounded by a velvety sward of grass; but, as you may note in picture No. 1, it has a bare, naked, unattractive appearance. At that time no allowance had been made for its maintenance. A year ago, however, the proprietors placed an endowment of $2000 on that lot, the income of which, $100 a year, was to keep the mausoleum clean outside and inside and maintain the lot in good condition, and decorated with plants in Summer so far as the income would permit. Picture No. 2 is the result.

A framework of hardy shrubs has been planted at back and sides, but much discretion had to be exercised in the selection and disposition of these; they must be of choice kinds, thrifty in growth and neat appearance, and never at any time crowd or touch the building. In the meantime, and until these shrubs advance enough to fulfill their mission, we use Palms, Screw Pines and other bold tropical plants for the purpose, much as you notice them in picture No. 2. In fact, no matter what the framework may be at the back, our lot owners ask for Palms in front; there is a dignity and richness about them no other plants can supply. In these decorations, though we never fill up in front of the lot before the building the space must always be open.

When the proprietor of this lot saw the change the Palm decoration made, as regards the setting of his mausoleum, he could hardly believe his eyes and he was delighted. Did he grudge the endowment? Indeed he didn't, and if I need it, I can get more for the asking.

Now this is only one lot among many we have that are liberally endowed and decorated with Palms in Summer. We have a greenhouse 130 ft. long by 30 ft. wide—the first large Palm house Lord & Burnham ever built—solely filled with these Palms in Winter; it is completely emptied into the outdoor ground in Summer, and, besides, we buy several hundred dollars worth more every year, for each season we throw away the poorest plants, and every year the demand for Palms is increasing. Kentias, Cocos, Arecas and the like are the chosen ones with florists for indoor decoration, but for outside work I prefer Kentias, Phœnix and Latanias, especially the latter. Indeed, the Latanias are the favorites, and the bigger they are the better our people like them. We have many pairs we get $50 rent a year for, and for larger specimens proportionally bigger prices.

In addition to our endowed lots we also decorate many other lots in a similar way, the proprietors paying for them by the year. But every plant used is only rented for the season. We will not sell a Palm outright to anyone, nor will we "board" plants of any kind over Winter for anybody, no matter who they are or what they are willing to pay.

I know of no good reason why local and retail florists should not do a profitable business furnishing Palms for this purpose. Show the lot owners how handsomely the Palms set off their lots and there won't be much trouble in getting them to adopt them. WM. FALCONER.

The American Carnation Society

Registration

Name of variety, E. G. Gillett; parentage, Prosperity × Maceo; color, scarlet; size of flower, 3½ ins. A strong, vigorous grower; never bursts the calyx; extra long and stiff stems; free and continuous bloomer. Raiser, the Clyde Carnationary, Clyde, O.

A. F. J. Baur, Sec.

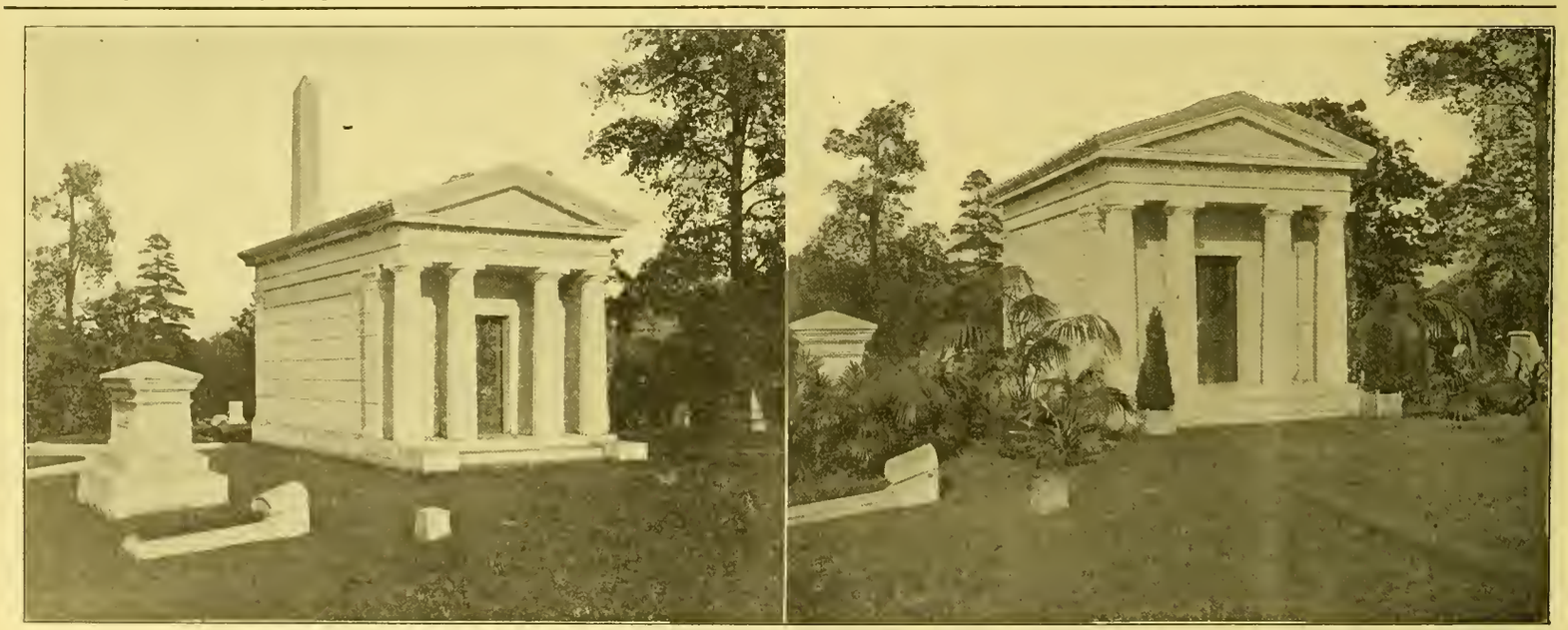
Premium List, Gladiolus Section, National Flower Show, Boston

The following premiums for forced Gladioli will be offered at the National Flower Show, to be held in Boston, March 27 to April 1, 1911:

Open to All

	1st	2nd	3rd
For best dinner table, set for four, decorated with forced Gladioli	$10.00	$6.00	$3.00
Most artistically arranged basket of blooms	5.00	3.00	2.00
Best centerpiece	10.00	5.00	3.00
Best 24 spikes, not less than 4 large flowered varieties	5.00	3.00	2.00
Best display of named Gladioli, to occupy 20 square feet space	12.00	8.00	5.00
Best display of Gladioli, Colvillei type, to occupy 20 square feet space	10.00	5.00	3.00

Fern, Asparagus, Smilax or foliage may be used for effect in all classes.



In the Allegheny Cemetery, Pittsburgh, Pa.

The Severe Lines of the Mausoleum Unrelieved — The Mausoleum Relieved by the Palm Groups

WEST of the MISSOURI—EAST of the SIERRAS and SOUTH of the GULF is DENVER'S TERRITORY

because the existing express rates give her an advantage there. The saving in charges is your inducement to buy of us.

Do not make any mistake. We grow good stuff. If you will just bite once we will land you high and dry for a regular customer.

We are in daily receipt of letters of appreciation. One customer says: "Better plants were never grown than the Cyclamen just received." That is a little stronger than we would put it, but they are mighty fine.

Our Lorraines are good too. The picture just taken shows one of each size we are offering.

We pack carefully and as light as is safe.

Our terms are cash with the order, unless you know you have a favorable rating in Dun's or Bradstreet's, or already have established credit with us. There is not time now to look up references before making shipments for Christmas.

Hurry in your orders so they will not arrive after we are all sold out.



Begonia Gloire De Lorraine, showing the various sizes of the plants we offer



This photograph was taken a year ago, but this house and several others are just as fine now

Ardisia. 5 inch at $1.75.

Azaleas. $1.00, $1.25, $1.75, $2.25 and $3.50.

Begonia Lorraine. 3, 4, 5, and 6 inch pots, 25c., 35c., 50c. and 75c. 7, 8, and 10 inch pans, $1.00, $1.25, and $2.00

Calla Lilies. 6 inch at 50c.

Cinerarias. 4 inch at 12½c. 5 inch at 25c.

Cyclamen. 3, 4, 5, 6, and 7 inch at 25c., 35c., 50c., 75c. and $1.25.

Jerusalem Cherries. 5 inch at 25c., 6 inch at 40c.

Poinsettias. 6 inch pans at 75c.

Primula Obconica. 4, 5 and 6 inch, 15c., 25c. and 50c.

Ferns, Boston. 5 inch at 40c., 6 inch at 60c.

Ferns, Assorted for Ferneries. 2 and 2½ inch at 6c.

Asparagus Plumosus. 4, 5, and 6 inch at 15c., 25c. and 50c.

Araucaria Excelsa. 5 inch, 2 whorls at 75c.

The PARK FLORAL COMPANY

J. A. VALENTINE, *President*

DENVER, COLORADO

A. MOLTZ MAURICE L. OLASS

A. MOLTZ & CO.

Wholesale Florists

55-57 WEST 26th STREET

Telephone, 2921 Madison Sqnare NEW YORK

OPEN FROM 5 A. M. to 6 P. M. COOGAN BUILDING

Wishing You

A MERRY CHRISTMAS

AND

A HAPPY NEW YEAR

Please mention the Exchange when writing.

Easter Stock for Florists

EXTRA STRONG IMPORTED STOCK

BABY RAMBLERS, Standards, 1½ foot stems, strong double budded heads, per 12, $1.00; per 25, $5.00; per 100, $20.00.

CRIMSON RAMBLERS, Standards, 1½ foot stems, extra strong heads, per 12 $3.50; per 25, $5.75; per 100, $25.00.

HORTENSIA JAPONICA, from 6 inch pots, 5 to 10 branches each, per 12, $2.50; per 25, $4.75; per 100, $17.50.

5 per cent. discount for cash with order.

K. M. VAN GELDEREN, THE EVERGREEN NURSERIES LONG BRANCH, N. J.

Please mention the Exchange when writing.

GET READY FOR CHRISTMAS

I offer my immense stock of Fruited, Flowering and Decorative Plants at the most reasonable prices.

POINSETTIAS, very fine, 4 plants in a 6-in. pan, $12 a doz.
5 plants in a 7-in. pan, $15 a doz.
6 plants in an 8-in. pan, $18 a doz.
7 and 8 plants in a 9-in. pan, $24 a doz.
10 plants in a 10-in. pan, $3 each pan.
12 plants in a 12-in. pan, $4 each pan.
Extra large pans, $5.00 each.

AZALEAS, Vervaeneana and Simon Mardner, 6-in. 50c. and 75c. each, $6.00 and $9.00 a doz.
6½-in., $1 each; $12.00 a doz.
7-in., $1.50 and $2.00 each; $18.00 and $24.00 a doz.
8 and 9in., $3.00, $4.00 and $5.00 each.

Pyramids and Fans. (Prices on application.)

Deutsche Perle, 6, 6½ and 7-in. pots, $1.50 to $3 each.

Firefly, in bloom for Christmas, 6 to 12 in. pots, $1, $1.25, $1.50 and $2 each. Very fine.

BEGONIA LORRAINE, very fine, in 7-in. pots, $12, $18 and $24 a doz.

CAMELLIA Chandleri (pink) and Camphell (red), loaded with flowering buds, very fine for Christmas, 5½ and 6-in. pots, $1.25 and $1.50 each; 6 and 6½-in. pots, larger, $1.75 and $2 each.

ERICA Fragrans, very fine for Christmas, 5½-in. pots, $9 a doz.; 6-in., $12 a doz.; 7-in. $18 a doz.; 8-in., $24 and $36 a doz. Specimens, $4, $5 and $6 each.

JERUSALEM CHERRIES, red berried, 6-in. $6 and $9 a doz.

CYCLAMEN, 5-in., $4 a doz.; 6½-in., $5 a doz.; 6-in., $6 a doz.

ORANGES, Citrus Sinensis, fruited, very fine, 6-in. pots, 75c. and $1 each; 7, 8 and 9-in., also 7-in. pans, $1.50, $2, $3, $4 and $5 each.

CARNATIONS, 7-in. pans, $9 a doz.; 8-in. pans, $12 a doz.

DRACÆNA
Massangeana, 7-in. pots, $1.25 and $1.50 each; 8-in. pots, $2 each.
Lindeni, 6½-in. pots, $1.25 and $1.50 each.
Fragrans, 5½-in. pots, $6 a doz.

CROTONS, 4-in. pots, $2 a doz.; 4½-in. pots, $3 a doz.

PANDANUS VEITCHII, 6 and 6½-in. pots, $1.25 each; 6½ and 7-in., $1.50 each; 8-in. $2 each.

LIGUSTRUM Ameum, Golden Privet, 4½-in. pots, $3 a doz.

ARAUCARIA Excelsa, 4½ and 5-in. pots, $6 a doz.; 5½ and 6-in., $9 a doz.; 6-in., larger, $12 a doz.; 7-in., $2 each; 8-in., $3 each.

ARAUCARIA Glauca, 6-in., $1.25 and $1.50 each; 6½ and 7-in., $2 and $2.50 each.
Compacta, 5½ and 6-in., $1 each.

BOXWOODS, 15c., 20c., 25c. and 30c. each.
Pyramids, $3 to $10 a pair.
Standards, $2, $3 and $4 a pair. .....

CIBOTIUM Scheidel, 6-in., $2.50 each; 6½-in., $3 each; 7-in. $3.50 each.

FERNS, Boston, 7 and 8-in. pots, 75c. and $1 each.
Scottii, 6-in. pots, $6 and $9 a doz.; 7 and 8-in., $1 and $1.50 each.
Scholzeli, 6-in., $6 a doz; 6½-in., $9 a doz.; 7-in. $12 a doz; larger, $1.50 each.
Whitmani and Piecsoni, 75c., $1 and $1.50 each.

PHOENIX Roebelenii, 4½-in., $9 a doz.; 5½-in., $12 a doz.; 6-in., $1.50 each.

KENTIA Belmoreana and Forsteriana, from 75c. to $5 each.

RHAPIS Humilis, $1.50 to $5 each.

COCOS Weddelliana, large, from 2 to 4 ft. high, $1.25 to $6 each.

Cash with Order, Please. All Goods must travel at the purchaser's risk.

ANTON SCHULTHEIS

316 Nineteenth St., COLLEGE POINT, L. I., New York

Please mention the Exchange when writing.

Trees and Plants Adapted to Christmas Use

By JOSEPH MEEHAN

English Holly, as Ilex Aquifolium is known, while one of the oldest of known trees is one of the most prized, its long association with Christmas having done more to popularize it than anything else. No one living today, no matter how old, but has known of it and its Christmas uses from his youngest years; and records much beyond that make mention of it in the same way. It is its lovely red berries, set off by its deep green, handsome leaves, that causes the admiration for it. We have our Holly in our woods, it is true; it is true also that it is not nearly as pretty as the English; the only reason why it is to be seen oftener in collections here is that it is hardy in States having climates colder than the English will endure. But the hardiness of the latter is underestimated. Place it where little or no sun will reach it in Winter and it will not be hurt in zero weather. Thousands of establishments now without a specimen of it could have one to thrive if the owners wished it.

So firmly are Holly and Christmas associated in the minds of everyone, that besides the branches of our native species, I. opaca, being demanded for Christmas, it is now common to find imported Holly trees, planted in tubs, used by many of those who do not mind the expense. Our picture will show the style of tree used, and how full of berries they are. These trees are grown abroad especially for the trade here, and are made safe to handle by being transplanted often when young, producing good root systems, which about insures their living when set in small tubs. After their Christmas use, these young trees can be cared for under cover until Spring and then planted somewhere in the grounds, in the sheltered position already suggested.

Seeds of Hollies are like Junipers and some other kinds, they require to lie in the ground a whole year before they sprout; because of not knowing this, many suppose seeds to be worthless when they do not appear the first season.

Those who follow up the doings of our florists find that every year sees additions made to the lists of plants and berries used for supplying the demand for decorative material for Christmas.

In addition to the sorts to be found every year, there are a few others appearing in small quantities, some of which may become popular in time, so much so as to make large quantities of them necessary every Christmas season. Among those valued for their berries the following are known and used to some extent:

SCHINUS MOLLE, the Pepper Tree as it is called in California, is now well known as a useful and ornamental shade tree, but to us in the cold States its berries are its attraction. They are clustered on the slender branches, and, being pink in color, are beautiful when displayed in vases for table use. The Schinus is a native of Peru, though often referred to as coming from Australia.



Leucothoë Catesbei

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THE YAUPON HOLLY, Ilex cassine, is reported fairly abundant in some parts of the South, and its red berries would seem to warrant its use much more than is the case. Very little of it comes to market. It is of far less sturdy growth than the common Holly.

COTONEASTERS. There are many Cotoneasters that would make lovely selling articles, potted up and kept in pots for the purpose. All have pretty red berries and neat foliage, and being hardy, too, it is in their favor for thinking of them for Christmas use. These plants need to be well pruned when small, to make them of a bushy habit, a habit they do not take on their own accord.

SKIMMIA JAPONICA. This is still found in small quantities. It is a hardy, broad-leaved evergreen of low growth, bearing dark red berries in Autumn and Winter. I wonder why it is not used more than it is?

CRATÆOUS PYRACANTHA. The orange scarlet berries of the Cratægus Pyracantha well set among its small evergreen foliage would sell the plants whenever they could be had. As with the Cotoneasters, it requires good pruning to keep in a compact shape. There would be sale for all the plants of this and the Cotoneaster a florist could offer, the plants grown on a year or two in advance so that they would be in good shape to set out in the garden when their use indoors was over.

PHOTINIA ARBUTIFOLIA and ARBUTUS MENZIESI. Photinia arbutifolia and Arbutus Menziesi would make good material for our florists at Christmas, as specimens sent here indicate, the twigs cut and kept fresh until received from the Pacific States. Their red berries are bright and pleasing.

EUONYMUS. There would surely be sale for some of the deciduous Euonymus if grown in pots and well supplied with berries. Besides the common ones, such as the atropurpureus and Europæus, there is the Americanus, with its pretty warty pods and its scarlet fleshed seeds; and Hamiltonianus has pods of a pink color, with orange fleshed seeds, an uncommon combination. When outdoors, the foliage has fallen by Christmas, but this would not occur were the plants under cover when Fall came, and even when bereft of foliage these Euonymus are ornamental.

SMILAX. The evergreen Smilax, laurifolia, is well known to florists, but a deciduous one, S. Walteri, with scarlet berries, is not well known, or, if it is, is not much used; being a vine it is very useful.



Andromeda floribunda

COCCULUS CAROLINUS. There is a little vine, common in some of the Southern States, Alabama for one, which bears lovely red berries. It is the Cocculus Carolinus, formerly classed as a Menispermum. This is unknown among the florists who look up such plants. It may be herbaceous only, which, if so, would account for its non-use.

CERASUS CAROLINIANA. There are several evergreen shrubs which could be grown for indoor use that are never met with. Take the Cerasus Caroliniana for one. Its foliage is of a lovely shining green color, its whole appearance pleasing. A plant, too, though a Southern one, hardy at Philadelphia, it should come into common use for the purpose named. It bears berries, but being black they are not as noticeable as if red.

EVERGREEN PRIVETS. The evergreen Privets of Japan have been much overlooked as pot plants for Christmas and other times. There are several of them. Japonicum is the best known, but lucidum is the better of the two with respect to foliage. The leaves are thick, dark green, and of rather large size, making of it a striking plant for pot growth and holiday uses. Japonicum is very good, and a faster grower than the other. Both should be grown for tub use.

CUPRESSUS. Several of the Cupressus would make striking plants for holiday uses. The C. sempervirens, C. torulosa and C. thurifera are three good ones for the purpose.

Oregon still sends us the branches of the Oregon Grape, Mahonia Aquifolium, the shoots of Gaultheria Shallon and the fronds of Aspidium munitum. When the Northern supply of Aspidium acrostichoides runs low the A. munitum could take its place, being not unlike the former. It is hardy in Philadelphia, as plants of it have proved.

The Partridge Berry, Mitchella repens

There is such neatness in the appearance of the Partridge Berry that, aside from its pretty red berries, it often compels admiration from those who meet with it in their rambles through a woods. To the florist, it is one of many berried plants he finds use for at Christmas, but to those who meet with it in the early Summer its pretty flowers, white, tinged with red, please through their beauty and fragrance. Usually, the plant is found trailing along the ground, sometimes in great masses; again it is sometimes found on rocks, at times with its shoots hanging down the sides of them; and when in this condition and its berries are displayed it forms a pretty picture.

As its foliage is small, of a deep green, and in abundance along its length of shoots, it is a splendid plant to use in small vases where larger, coarse-leaved ones would be out of place.

No doubt birds are fond of the berries of this creeper, as they are very sweet, though containing little besides their stony seeds. Partridge Berry is the common name it is best known under. Mitchella repens is its scientific one, being named after a Dr. Mitchell of Virginia, early in the history of that State.

Palm Seeds Just Arrived

	Per 1000 Seeds
Areca Lutescens	$8.00
Kentia Belmoreana	6.00
Kentia Forsteriana	7.00
Pandanus Utilis	8.00

My catalogue will guide you through reliable Florists' Flower Seeds. It's free.

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Specimen Ilex aquifolium. English Holly

The Holly After Christmas Use

Were it more generally known that the English Holly is fairly hardy in the Middle States, its sales at Christmas would be greater than they are today. The fact is there exists an erroneous opinion regarding the hardiness of this Holly, and this is to be the more regretted because those who think it more lacking in entire hardiness than it is miss the gratification of seeing it flourishing on their lawns. To illustrate its hardiness is here presented a photograph of a tree of this English Holly, taken Dec. 1. The tree has already weathered three Winters in its present position, without a single leaf suffering any blemish. It is now so well established and is growing so freely that it is not likely any Winter to come will hurt it. The specimen was one of a number grown in tubs for Christmas use, and after its service in this way it was placed in a closed shed, where no heat was, and given what water it required, being planted where it is now when Spring opened. The place where it is growing is particularly favorable to it. The wall of a dwelling shades it on the south side, so practically, no sun reaches it in Winter, save for an hour or two in early morning, while on the north and west are dwellings not far away, which lessen the force of winds, conditions of great excellence for such evergreens in Winter and which should be sought as nearly as possible by those possessing specimens that have been used indoors at Christmas. Entire shade through the Winter is the most essential thing of all, next the checking of cold winds; and with these provided, a good mulching above the roots, to keep the soil from freezing deeply, will greatly assist it to resist any cold.

In this connection, it may be well to say that though the Holly may be loaded with berries when procured, it may not prove so fruitful when set out by itself, bearing berries more abundantly when one or two companion trees are near it than when alone. The tree illustrated was full of berries when planted, but being now by itself, though having thousands of flowers in season, it rarely bears more than two or three berries.

Palmetto and Other Palms

While the wild Palms of the South are more in evidence on Palm Sunday than at any other time, their use at Christmas is not unknown. In former years, before greenhouse Palms were grown as they are today, the ends of the Saw Palmetto, Serenoa (Sabal) serrulata was frequently seen used in decorations, the ends of the shoots being cut off from the wild plants, brought North and placed in pots or boxes, surrounded with damp sand, moss or anything to furnish moisture to the stem. These crowns kept fresh a long time when so treated, and could be used at Christmas or any other time when festivities were in order. With moisture assured and the crown kept from the sun, this Palm could be kept in good condition from Christmas until Easter, the foliage being sprinkled occasionally, and the butt kept continually wet.

In addition to the whole crown, as is well known, the leaves of this Palm and that of the Cabbage Palm, Sabal Palmetto, are in great demand for Christmas and for Palm Sunday. In this case the immense buds of these Palms are used while the leaves are all close together. When opened out, these buds give big clusters of leaves, and it is these leaves that churches use on Palm Sunday. Besides the varying lengths of the leaves from a single bud, those of the Cabbage Palm are much larger than those of the Saw Palmetto, the bunches of smaller ones being usually of the latter kind when small-sized leaves are called for.

In addition to the two Palms named, there is another of the same genus, Sabal Adansoni, of almost creeping growth, as is the serrulata, and both of these endure a little freezing without injury, which cannot be said of the Palmetto.

The demand for these Palm leaves for the holidays is large, especially also for Palm Sunday services, causing the cutting off of great quantities of buds when the calls for this stock reach collectors.

Christmas Use of Andromeda Floribunda

It has often seemed to the writer that use could be made of the Andromeda floribunda for Christmas, and a glance at the picture before us will probably lead others to think so too.

This evergreen shrub is a Spring blooming one, but in company with a few other shrubs it displays its little panicles of flower buds months before Spring, early in Autumn, in fact. The photograph of this plant was taken in October, and one not acquainted with it would suppose it was in flower then, so handsome is its appearance at that season of the year. Probably, if desired, its flowers could be expanded in season for Christmas, the forward look of the buds indicating that but little heat would be required to expand them.

This Andromeda is one of our valued evergreen shrubs, and being quite hardy could be used in Spring for planting on a lawn, together with the English Holly, the Skimmia Japonica, Aucuba, and many other shrubs used for the Christmas festivities, either for their berries or for their foliage, sometimes for both.

A companion Andromeda, the Japonica, is handsome in the same way as the floribunda, perfecting its flower buds in Autumn; it is valued, too, for the bronze color of its foliage in the Winter season, adding much to the beauty of its already handsome foliage.

Leucothoe Catesbæi

The order Ericaceæ contains many of the most useful of decorative plants. The Erica, Kalmia, Epigæa, Andromeda, Oxydendron, Azalea, Rhododendron, and Clethra are members of it, as is the subject of these notes, Leucothoë Catesbæi. Old botanical works classed the Leucothoe as Andromeda, as some do yet. It is known to florists as one of much use to them, especially in the Winter season, its value to them lying in its lovely foliage. Its leaves, of a bright green in Summer, become of a bronze color in Winter, or as soon as the cold of Winter sets in, and it is at this stage of its growth that it is so useful. The thick texture of its leaves enables it to appear to advantage long after it has been cut and shipped, so that there is always a call for Leucothoë sprays from those called on to furnish decorative material.



English Holly Growing Outdoors

Many of those who handle Leucothoë sprays in Winter may never have seen the shrub as it grows, though it is freely hardy in the milder parts of the Middle States. It is, therefore, with much pleasure we present with this the picture of a plant in the grounds of John T. Morris, Chestnut Hill, Philadelphia, which well displays its beauty, showing, too, how well it thrives there as a hardy shrub.

As this shrub flowers in June, would it not make an excellent plant to force for holiday occasions, when for Christmas use the pots of it could be kept outside until nearly the day to use them came, and then be brought inside, this to assure a good bronze color to the leaves. For Easter use it would be the flowers and green foliage that would count, and what an elegant combination it would be!

Perhaps forcing of this plant is not unknown, but the writer has not seen forced specimens of it.

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Handling Christmas Business

By FRITZ BAHR

Getting Ready for the Holiday Rush

In order to get a full share of the Christmas business it is, first of all, necessary that you have on hand the proper stock; next in importance is letting the people in want of it know that you have it. With this preparation, the volume of business will depend, to a large extent, upon how your customers are treated, how attractive the arrangement of the Christmas display, the stock you carry, and the way the orders are filled. Only a small percentage of the thousands of retail growers throughout the country are located anywhere near the centers of the cities or towns they live in. While there is quite a number who have a chance to display their plants and flowers so as to attract the attention of great numbers of people, and others who have retail stores, besides their greenhouses, in the main thoroughfares of towns, there are far more who have their establishments located along the outskirts of the cities, and it is this class which, perhaps more than the others, has to depend largely on advertising in order to attract attention and stimulate business. There are more than a few retailers who, possibly for good reasons, have come to the conclusion that a steady trade right along would be far better than the Christmas rush, where, usually, nothing much is doing three weeks before and after the holiday, and six weeks of business is crowded into three or four days. However true this may be it won't change matters in any way, and for the present we shall have to look forward to an increase of business in our line, from year to year, for the holidays, and this means preparation for it in order to turn it into a paying proposition. Christmas has been known as one of the great days of the year for the disposal of flowers for the last thirty years, and has grown in importance every year; and it depends on just what we produce in the line of foliage and flowering plants as well as cut flowers, and how well we advertise and thereby create a demand for our products, whether we do a good holiday business or not. The people are there to use what we have to offer; more money than ever before is being spent for Christmas gifts and there isn't anything the millions of people would appreciate more than a growing plant or a bunch of flowers for the occasion, if at all reasonable in price, and given a chance to find out where they could be obtained. I am sure that it matters but little where a man is located; as long as he conducts a retail place he can, by dint of energy and sticktoitiveness increase the volume of the business he has been doing and make Christmas the banner day of the year.

The Show House

Will Do as Much as Anything Toward Bringing Business

There are still many, especially of the small retail growers, who do not seem to appreciate the value of a show house, and yet there are but very few things of greater importance. By show house isn't necessarily meant a large house used exclusively for making a display. Wherever the space permits of such a house, well and good; but even the smallest grower can, without much trouble, provide and create facilities which will answer for properly displaying the stock of flowering and decorative plants he has to offer. Among the many advantages of such a place might be mentioned the following: The impression a customer gets on entering an establishment; it is the only way whereby it is possible to display stock effectively; the great saving of time in having the salable stock all together instead of scattered through the houses, and thereby making quicker sales possible. It matters little how small an establishment may be or how little of the stock sold is grown on the place, a liberal space in a certain house devoted to displaying the stock, and everything kept in nice shape, is a great advertisement. It isn't fancy fixtures that make the store or show house attractive, the simpler it is the better; but a tasty arrangement of flowering plants, Palms, Ferns, made up dishes and pans of whatever is in season, is what attracts, and, of course, a special effort should be made for an occasion like Christmas to have everything in tip-top shape at least several weeks before that day. Give the care of the display to one man, one who will see to it that it is kept up to the handle, and each plant shown to its best advantage. As quickly as a sale is made the article sold should leave the show house and its place be taken by another. If you run short on blooming stock towards the last, do not let that be the reason for having stock scattered all over; reassemble it, and, perhaps, fill up with Palms and Ferns; any of them with a red pot cover and a red ribbon presents an ideal Christmas plant; avoid, if it is possible, having your late customers disappointed in the appearance of your show place.



A 5-in. Pot Plant of Lorraine Begonia Without Artificial Support

Advertising

Don't Overlook This, It is Too Important

The ordering of the Christmas greens as well as the flowers is often left until the last minute by many of our customers. There are so many things to be thought of and attended to at this time that it is not to be wondered at: and again, but few people, outside of the flo-

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Sweet Peas and Fischer's Purity Freesias

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Poinsettias with Boston Fern

rists themselves, fully realize how important it is to leave their orders, especially for cut flowers, in time. This means doing two things: One is to send out a "Reminder" in the way of a neat advertisement, and the other to prepare and have on hand a good supply of stock to meet the demand. We all agree that we are living in a time when advertising the things we have to sell is absolutely necessary, if we want to keep in the front. Here and there we find an old established firm which practically does no advertising to speak of and still sails along nicely; but the progressive man, who conducts a business on an uptodate plan, and is alive, ready to do more, advertises. It isn't necessary to have competition to force you to do so—don't wait for that, rather take the view that even your old standby customers need reminding and should have suggestions as to what they ought to have in the line of flowers or green decorations for a day like Christmas. The fact that a new firm starts up, a few blocks away from you, into business and they as well as yourself make out all right, shows that there is plenty of room for all, and the more people see of flowers, or the more they are reminded of them, the more will be sold. As regards the advertising itself, it is my opinion that the more you say in the fewest words the better; too many lines and too small type usually prevent an announcement from getting a proper consideration. Why not take a few hours off and carefully go over your telephone directory—that is, if your town isn't too large. Use a little care in selecting names outside of what you have on your ledger already. Prepare a neat announcement and mail it without delay; a week before Christmas isn't by any means too late. You may be under the impression that it is hardly worth while to do this, or be doubtful as to results, but that is wrong; whether directly or indirectly you are bound to reap some benefit from it; sometimes results are hard to trace, but that is immaterial. No matter how fine your stock or how large, you must let people know that you have it. There is an increased number of people in every town, and the names in your ledger should keep pace in proportion. A business, like anything else on earth, must constantly increase if in a healthy state, and this means pushing.

The Stock of Foliage Plants

An Important Item with the Florist

For the beginner, or the man who is rather uncertain as to the amount of Christmas business to be expected, I should strongly recommend stocking up well with plants, especially Palms, Ferns and other decorative foliage plants, such as if not sold for or during the holidays will be as valuable afterwards as they were before, and any of these are, after all, most desirable for Christmas, and many of them are sold for Christmas gifts all over the country. Only when you have had, or passed through a Christmas when every cut flower was sold and, practically, every good blooming plant disposed of, and some late comers were well pleased in being able to get an Araucaria, Kentia, or large Boston Fern, can you appreciate their value; and the retail grower, the one who at other times only carries an ordinary stock of such plants, should be especially strong on them for Christmas—it is a good investment. Among such stock especial attention might be directed to the following: The Kentias, both Belmoreana and Forsteriana will, perhaps better than any other plants, answer a wide range of purposes; plants from $1.50 up to $25 can be had, and while the $3 to $5 sizes are most in demand, a few larger ones should be carried. Arecas are also desirable Palms, either as large specimens or small madeup plants, and can be sold at a fair profit and yet at a reasonable price. Cocos Weddelliana, especially the larger plants, are most desirable for Christmas sales; there is, perhaps, nothing more graceful. Latania Borbonica, or Fan Palm has seen its day; while we have a call for a few, other Palms have replaced it to a large extent. Not many of us can get along without a good stock of different sizes of Araucarias; we often have people buy them for the reason that they look so much like a Christmas tree. Phœnix Roebelenii is also of great value; plants in 5″ and 6″ pots we find sell best. Pandanus Veitchii and Dracæna



Double Roman Narcissus. One of the Best of Its Class for Christmas Blooming

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All the Leading Varieties of Roses,

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Orders filled for above Specialties on short notice for Christmas and New Year's

Growers having Cut Flowers for this market will find it to their advantage to ship to me. Satisfaction guaranteed and prompt returns

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Massangeana are among the most beautiful of the variegated leaf plants; both sell well and greatly help to make the show house attractive. Dracæna fragans is also still admired by many as an inexpensive showy plant; and the color of D. terminalis is about ideal for Christmas, especially small plants of it. Pandanus Veitchii is of great value for madeup hampers or plant arrangements. Ficus pandurata has come to stay, and plants in 6″ pots, about 3 ft. in height, are certainly showy. The list of the Nephrolepis is getting to be a long one. The Boston, perhaps the first break from the old N. exaltata, is of as great value as ever; a good stock should be found on every place, ranging from 2½″ to 10″ pot plants. N. superbissima as a specimen plant is a grand Fern; the most remarkable thing about it is its dark green color; but when it comes to gracefulness there are others. N. elegantissima is in great demand, and so is N. Whitmani; N. Scottii, whether used in the smallest or largest sizes, is still one of the very best. Four or five others could be named, but all mentioned are distinct from one another and will fill the bill nicely for the average florist. It is a mistake not to have a good assortment of decorative plants for Christmas, in order to be able to suit different tastes, and yet you can carry this to extremes, especially if your trade does not call for an extra heavy stock. If a small retailer carries a number of each of the different sized Kentias of just one variety it means quite a stock and is, perhaps, all that is required in the Palm line.

Blooming Plants

With Many Retail Growers They Are More Profitable Than Cut Flowers

The average florist cannot be expected to grow all of his own stock in this, any more than in other lines; but certain stock everyone of us ought to grow, and while it may not consist of the choicest or most expensive, it might prove as profitable, and really should be more so, than the plants we have to buy already grown for sale. For instance, there is hardly a florist's place where Roman Hyacinths, Paperwhite and double Roman Narcissus, Lily of the Valley, Primulas, and Christmas Peppers cannot be properly handled, and while some may class most of these under the heading of ordinary stock, if rightly done and properly displayed one can sell as many of them as anything else. One great trouble, and it happens only too often, is that not enough attention is paid to these plants, just because they are not considered as choice as a Lorraine Begonia or an Ardisia, either of which we have great trouble with in order to get half way decent plants. The accompanying photographs show a Roman Hyacinth and a 12″ dish of Paperwhites; either one can be done nicely in the oldest 10 ft. sash house, or the old brick flue heated affair of 35 years ago. With just the simplest of dressing up each will represent ideal Christmas stock. In the 12″ Narcissus dish shown there are 21 bulbs made use of. Such a dish sells at $1.75 to $2.50—you can easily figure out the rest. Not that I wish to say that every customer wants one. No! Some, yes many, wouldn't look at them or have them for a gift. And yet many of them are sold, and we have had customers decide in favor of such a dish instead of a Palm. That decision, of course, is only possible when there is a good salesman on the premises, and depends, too, on the purpose for which the customer wishes the plant. A Palm or Fern may be preferred if the plant is to be kept; but for a Christmas gift the other is more cheerful. A good supply of the blooming plants mentioned will be found most useful and profitable. Among the other flowering plants Poinsettias in pots and low dishes head the list, and while not to be recommended as "keepers," there is, after all, nothing to take their place as Christmas flowers, and more than ever will be disposed of this season. Cyclamen are as popular as ever; good 6″ plants in bloom, especially the deep pink and red ones, might be considered next in importance to the Poinsettias. The Lorraine Begonias are in a class by themselves, we cannot get along without having a large supply of all sizes; we have quite a call for the smaller sizes, such as are grown in 5″ pots, without artificial support; while such plants are, perhaps, not as showy as those carefully tied up, they are by far more graceful, and on that account preferred by many when seen side by side. A 5″ plant can be sold at $1.25 to $1.50, and far more of them could be disposed of if people had a chance to see them. Add Azaleas and Ericas to the foregoing and you have about the main flowering plants used for Christmas. There are, of course, a few other sorts, but nothing which the average grower handles, except as a side line. The plants described and a good stock of the Christmas Pepper, a few Ardisias, and Oranges in fruit, will make a grand show when at their best, and not only will practically sell themselves but help sell the foliage plants.



A Good Pan of Paperwhite Narcissus. When Properly Done, the Flowers Do Not Need Supporting

Cut Flowers

Don't Take Orders You are Not Sure You Can Fill

There is not very much to be said of this line. If we grow Poinsettias, Roses and Carnations it means we shall dispose of them to the best advantage; but if we have to buy them we must exercise great care. To begin with, red is the color for Christmas, and in Roses and Carnations the market is always liable to be short. There is nothing easier than to take an order for such flowers, but it is quite another thing to fill it satisfactory. Don't expect your wholesale house to supply you with an extra amount of red Carnations or Roses without a good proportion of white or light colored ones. The man out of town, away from the large markets of the country, cannot be too careful in taking orders. A cus-

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Growers' Cut Flower Co.

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TELEPHONE 6237 Madison Square

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SELECTED STOCK OF BEAUTIES, the two KILLARNEYS, MY MARYLAND, RICHMOND, MRS. JARDINE, BRIDES and BRIDESMAIDS.

J. J. COAN, Manager

Please mention the Exchange when writing.



Well-Grown Roman Hyacinths in Dish with a Pot Cover of Waterproof Crepe Paper

tomer may feel disappointed in not being able to get such and such particular flower or shade, but this, after all, isn't nearly as bad as having to disappoint her afterwards, when she finds she didn't get what was ordered. It is almost impossible to have for this day all of the flowers to fill the orders, and on that account the good salesman will push the sale of flowering plants whenever at all possible; frequently it needs but little urging to change the customer's mind, and while one can prepare several weeks ahead a fine display of flowering plants and have them in good condition for Christmas, and long after it is not possible to do so with the cut flowers. In order to have the least possible hitch in the cut flower supply, the following might be suggested: Try to have your customers order early, especially orders of any size, so that what you have to buy may be ordered in good time; if possible, get posted in advance by your wholesaler as to the conditions of the market, as to what to depend on and what might be short; try to land a plant order whenever possible; avoid the handling of pickled stock, whether the pickling is done by yourself or others—there cannot be anything worse to my mind than to take good money from anybody, whether a regular customer or one you may never see again, for cut flowers which belong really to the decoration of a compost heap; that is a mighty poor business principle, out of which anything good can never come.

Christmas Greens

More Important With Each Year

In this line Holly plays the most important rôle. Every florist is expected to keep it, but only the very best grade. Your customer can buy the other kind in any grocery store; she comes to you to get something extra good, and in most instances is willing to pay for it in proportion. There is never any money made on cheap Holly; the best is none too good, whether you want it for wreaths or as loose Holly. Here and there we may have to decorate a large hall, when a cheap grade may answer. It is of great importance to have a proper place to store all the greens and a dugout coldframe as described in the last "Week's Work" in the EXCHANGE is an ideal place. All the Christmas greens, in order to keep fresh and in good shape, need a dark, cool and rather moist place. Of a case of good Holly, practically every bit can be made use of. The long branches, when opening a case, should be selected and either be repacked or tied up at once into 25c., 50c. and $1 bunches, ready for filling orders; the short ones will do for the wreaths. There isn't any reason why the making up of wreaths cannot be started ten days before Christmas Day, if you have the proper place to keep them afterward. About the wreaths themselves: The average florist cannot afford to make up any at much less than 35c. and 50c.; for a 12" wreath when well done isn't any too much. Of course, we all have orders to fill which call for more expensive ones, but when a customer has to use 10 or 15 wreaths for that number of windows, 35c. to 50c. each figures up. A splendid way to do a little advertising in this line is to have fair samples of two or three different priced wreaths on display in the store or show house. Put up a fresh sample every day, and call attention to it whenever possible. Wreaths made out of Boxwood are meeting quite a call of late years, and when well made up, with a liberal trim of red ribbon, command a good price and sell well. Lycopodium wreathing when heavy enough has always to be carried in stock, for there are people who would rather have it than anything else. Laurel wreathing is another of the best of materials when heavy garlands are wanted, as is the case in decorating churches. Don't try to put this wreathing up yourself, it can just as well be bought already made up. Ilex verticillata, or Winterberries, while not a green are of great value for decorating, and, if received in good condition, they prove great sellers. There has been nothing introduced as yet to take the place, for decorating, of Wild Smilax, and a good supply should be on hand. California Pepper is another excellent decorative green, but exorbitant express rates make it often quite expensive when shipped long distances. However, there is good money in handling any of these greens, as long as one receives them in good condition and handles them properly; and, as with the flowering plants, a great deal depends on how they are brought to the notice of the customer. To have boxes full standing around and let everybody dive into them is wrong; a little of each, artistically displayed, is the only way to sell them. A centerpiece made of Winterberries, surrounded by sprays of select Holly, is as beautiful as the best red Roses or



A 6-in. Cyclamen. One of the Most Desirable of the Flowering Plants for Christmas

1877

NOW READY
FOR SHIPMENTS OF

1910

CHRISTMAS HOLLY

Boxwood, per case, **$9.00**
Laurel Festooning,
per 100 yards, - **6.00**
Southern Smilax,
per case, **$4.00** and **6.00**
Galax, per case, - - **8.00**
Hardy Ferns, per 1000, **1.50**

American Beauties
Orchids, Gardenias, Lily of the Valley, Violets,
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Richmonds, Marylands,
Brides, 'Maids and all seasonable Flowers
Corrugated Cut Flower Boxes.

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Carnations, and more appropriate for the Christmas dinner table.

Plant Arrangements and Fern Dishes

Avoid a Great Mixture and Overcrowding

It should never be a matter, when a hamper or basket is being made up of different plants, to find out how many different varieties one can get into a certain space, but rather to try to have the whole harmonious, simple and pleasing. For instance, small Lorraine Begonias, Asparagus plumosus, and a center plant of Pandanus Veitchii makes a beautiful combination. So does Roman Hyacinths, Adiantum, and Dracæna terminalis. You can never be very much out of the way by using enough light, airy material, such as Adiantum or Asparagus plumosus with the flowering plants in a plant arrangment, but the mistake is often made of using a perfectly grown specimen of a Cyclamen, Azalea, or something else, crowding them in with other plants. Such is only permissible where hampers or baskets of enormous sizes are made use of; otherwise these plants look far better alone. A good assortment of filled Fern dishes should always be on hand. The round, bowl shaped Willow baskets, stained brown, are both artistic as well as inexpensive. It pays to have on hand a stock of the different sizes. A 6″ Fern dish in a plain pot, which you hold at $1 to $1.25, with one of these Willow baskets at a cost of 25c. will sell at $2. You will not overlook, in case there are Poinsettias in pans, with bare stems, planting a few small Boston, Whitmani or some other Ferus around the base. Don't leave too much soil on the Ferns, for the less you disturb the roots of the Poinsettias the better, and the Ferns will last as long as the Poinsettias anyway. Large bulb pans of 8″, 10″ and 12″ diameter, filled with a good assortment of larger Ferns, a few Carex and a good center plant, when dressed up with waterproof crêpe paper of a Holly red shade, and a ribbon of the same color, can always be disposed of. And it doesn't hurt a bit to fill a good number of such pans as well as smaller ones. Any green foliage plant or plant arrangement when dressed with a red pot or pan cover and a Holly red ribbon is appropriate for Christmas; and here again it largely depends on how you display this stock, and how good the salesman as to the amount that will be sold. If a customer is undecided as to just what to get, that's the time to talk plants.

Taking Orders and Delivering

A Proper System is Very Necessary

A good man is needed on the books for Christmas week; so much depends on a proper system of booking the orders and deliveriug the goods, as well as making correct charges, and the utmost care is needed whenever there are several persons taking orders. We all, perhaps, differ in our conception of ways and means of conducting a business. However, attention called to this part of the work should be of value to at least the beginner. We keep, outside of our day book, a separate order book in which, not alone are the orders booked in full, with their delivery directions, but a part of it is devoted to a list of the names of the customers and the number of wreaths each get; another part records loose Holly orders, and so forth. In this way, by looking up now last year's book, we can, at a glance, tell the number of wreaths sold or the greens, and to whom, and this is of great help. If there were large orders from certain parties last season which, at a certain date, have not been repeated, a telephone call or a nice note may land them this year. If it is at all worth having, let's go after it. When it comes to delivering, don't wait, say, for Thursday's orders to be put in readiness for delivery until Thursday morning; have the list made out on Wednesday afternoon, and all the stock, excepting cut flowers, ready on Wednesday evening, aud clear the decks early Thursday morniug. To get orders out on time is something many of us are lax in; we are liable to meet the hearse a block away from the residence with a pillow, or get to the wedding with the bride's bouquet when the ceremony has begun. Try to avoid this in the Christmas rush. Prepare the necessary material in boxes, wrapping paper and all things needed to deliver plants and flowers, in case a bad spell of weather should set in. Don't put this off until the last minute; nothing is gained by so doing. All the effort made in working up a good stock, having a grand display and taking more orders than ever before on Christmas, are of little benefit if the delivering of the goods is not attended to in a proper way; and you are not through with the Christmas work until every customer has what was ordered, in good shape and on time.



Well-Grown Paperwhite Narcissus

THE SINGLE DAHLIA Marie Corelli has been a leading cut flower novelty in the Philadelphia market this Fall, and has been shipped out largely by commission merchants. The moral is that a free flowering, long stemmed flower of light color pays in the market, whether it lasts over its third day or not. Another moral is, that Marie Corelli will not be a novelty in any flower market within shipping distance of Philadelphia, in September, 1911. For next pear, plant something long stemmed, light colored, distinctive—and different. If you grow for cut flowers, lead the market instead of following forty-fifth in a procession of imitators. It is just as safe, and far more interesting. Also, use a special label for long lived varieties of cut Dahlias. Specialize in a few long stemmed, long lived flowers, and educate retail florists to give those the preference at the commission houses. Certain Dahlias are as little likely to fall to pieces, or wilt down, or lose color, on the retailer's hands as are the Carnations now in trade. The retailer and the public govern the wholesale market, and they are both keen about value received.—J., Pittston, Pa., in *Dahlia News.*

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"A Thing of Beauty is a Joy Forever."—K

"Never lose an opportunity of seeing anything Sacrament. Welcome it in every fair face, every and earnestly with your eyes."—Kingsley.

WHAT is there more beautiful than Orchids? What a What an exquisite fragrance!

Read the "Garden Song" in Tennyson's "Maud." Son that he will be able to sing in fitting song the praises of th it has been said, the latest works of God's Creation are H Creations must have been the Orchids.

My sources of Orchid Supply are unquestionably large Orchids is greater than ever before. The Florist must meet th

My offerings in Orchids suitable for the Holidays are as fo **Formosum, Phalaenopsis Amabilis, Cattleya Trianae Laelia Anceps** and **Autumnalis, Oncidium Tigrinum,**

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eautiful. Beauty is God's handwriting, a wayside fair sky, every fair flower, and drink it in simply

diversity of form they present! What a variety of colors!!

day a Poet will arise whose harp will be so nicely attuned strangely and exquisitely beautiful flower, the Orchid. If, as Highest, then surely among the last work of His Flower

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than those of any other Dealer. The popular demand for demand. You will require Orchids for Your Christmas Trade.

ws: **Cypripedium Insigne** and **Leeanum, Dendrobium Cattleya Percivaliana, Cattleya Dowiana, Calanthe, anda** and **Cymbidium.**

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WHOLESALE FLORISTS

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Our sources of supply in Cut Flowers and Decorative Plants are inexhaustible. The best Valley, Orchids, Roses and Carnations to be found in the New York market. Everything for the Retail Florist. Prompt Shipments. No Disappointments.

Please mention the Exchange when writing.

THE CONQUEST OF SCIENCE

BY

EMILY LOUISE TAPLIN

"WHEN a place gets all littered up with biologists sittin' around like so many tame toads, that's where I feel like quittin'," remarked Kershaw bringing his syringe to bear on a shrinking Orchid. "Not as I rightly know what a biologist is, except that they look like them chaps with a double set o' goggles and a collectin' box, as you're always fallin' over, around a botanical garden.

The boss's daughter laughed. She was fastening cotton batting collars around the stems of Cattleya blooms, and after an hour or so of solitary confinement on the top of a step-ladder, Kershaw's varied conversation was a relief.

"But why do you expect the place to be overrun with scientists?" asked Miss McMurchie.

"Well, we've got one of 'em already, settled on us permanent," responded Kershaw gloomily; "that's what a man gets for tinkerin' around with hand pollenization. 'Course I know the boss wasn't satisfied with the Peas he was handlin' to follow his 'Mums, but why start tryin' to breed the wrong thing out instead of breedin' the right thing in?"

"That's Mendel's law," said his listener, with a slight air of feminine superiority.

"No doubt you're right, Miss Tina," said Kershaw, "but it seems more natural to me to sow what you want, and rogue out what you don't, and when a bald-headed biologist, that has to put a rubber band around his head to know whether he's gettin' a shave or a hair cut, starts in to tell me how to handle stock 'Mums, I felt like tellin' the boss I'd go next Saturday." So saying, Kershaw picked up his watering can and tramped off with the slight limp he had brought back from the Philippines.

McMurchie was a retail grower hustling with modest capital in that condition of prosperity which enables a man to pay his bills promptly (so long as his most important customers do not go back on him); to keep his place in repair and to meet the coal man with his head up, but there is not usually a great deal of real money left at the end of the season, and this is likely to become still less if a florist is afflicted with a desire for scientific research. The great truths of science do not always present themselves in a form that appeals strongly to the commission man. An early view of McMurchie's ancestral Sweet Peas induced one candid friend, who grew enough Smilax to reach from here to Timbuctoo every year, to ask him whether he was getting his stock from the Government free seeds, which is about the deadliest insult that can be offered to a self-respecting grower.

However, it happened that the very qualities calculated to arouse professional scorn cleared up some obscure question of morphology; McMurchie's Sweet Peas became a star feature at botanical congresses and, after a period during which scientists flocked down to the greenhouses like crows in a cornfield, McMurchie found himself supplied with a modest subsidy from the great Rockleigh Trust for the support of his experiments, and the collaboration of a biologist who was to reduce his work to technical terms. And, although this latter's energies were to be confined to his office and the experimental greenhouse, there is no doubt the potting shed aggregation decided, quite promptly, that they could do without that biologist. There was no real reason why anyone should object to him, except that his sympathies were with plant pathology rather than with the processes by which an unscientific trade grower tops the market on 'Mums. However, that was before his higher education was completed by Tina McMurchie.

In the eyes of many disinterested persons Miss McMurchie was, as stated by the cub who scoured flower pots and evicted mealy bugs, just about the whole Carnation crop. Her hair had been likened by a poetic commission man to the leading bronze Chrysanthemum then on the market; her complexion suggested the Rose Society's prize winners, and one well-placed dimple which came into view when she smiled—which she generally did—really ought to have been marked "dangerous." When Tina came strolling through the Rose house with her father—McMurchie himself resembled in general outline a freight car with a thatch of red hair—even a florists' supply man with a new line of samples would become temporarily silent, while the number of unattached young men, who formed a sudden craze to learn the business, after a glimpse of Miss McMurchie ought to have settled the help question for the entire trade.

Even the most hardened of the visiting biologists, who was reported to spend his entire existence in a sterilized atmosphere of microscopic investigation, showed susceptibility to her charms, and endeavored to make himself agreeable by pointing out some characteristic cases of Plasmodiophora brassicæ, which seemed likely to interfere with Mrs. McMurchie's future stock of red Cabbage pickle.

The permanent biologist was a cheerful young man who had acquired his culture at a co-educational college, which he had attempted to live down afterward by a strenuous plant-hunting career. The fact that he parted his name in the middle, and signed himself J. Wallace Horton, should not be laid up against him, as his inconsiderate parents had fixed upon him the name of Jebusa while he was still too young to retaliate. It was the irony of fate that Kershaw, who regarded Professor Horton as entirely superfluous, was selected as helper around the experimental greenhouse, whenever any odd chores were required.

"You see, Kershaw," remarked Miss McMurchie, "Professor Horton says he thinks you're such a dependable man."

"Oh, he does, does he?" growled Kershaw. "Mayhe I am, but I'll tell you right now, Miss Tina, it wouldn't be safe to depend on me if that professor was to fall overboard, and I was the only chap on hand with a rope."

"Is there any real reason for your absurd prejudice, Kershaw?" asked Miss McMurchie with much dignity.

"I s'pose not—you can just lay it to my mean disposition, Miss Tina," said Kershaw, stiffly. "But we've been gettin' along all right for a good many years without them high brows, and I don't see what call they have to be buttin' in now. Microbes is all very well in their place, but that aint around a greenhouse," and with this remark, which seemed to include Professor Horton and Mendel's law under the general head of bacteria, Kershaw retired to the flower room, and bunched Carnations gloomily.

It was not surprising that the biologist formed a habit of strolling back to the greenhouses in the evening, where, after a few words with McMurchie about the day's progress, he usually found himself discussing scientific horticulture and a few other topics with Miss Tina. Even a

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We do business without bluff or bluster.

CORRESPONDENCE SOLICITED.

We shall have about Two Hundred Thousand First Class Violets to sell for the Christmas Trade to Retailers at Twelve Dollars and Fifty Cents per Thousand. *Contracts made with reliable parties only.*

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scientist who gets his name in "Who's Who" as an authority on the Hyphomycetaceæ may not be entirely oblivious to dimples, although he himself explained his interest solely on the ground of Tina's intelligent conversation.

"You appear intensely interested in your father's work, Miss McMurchie," remarked Horton, one evening.

"I think Dad's a regular shark at it," was Tina's appreciative reply.

"You have naturally absorbed a good deal of his love for science," continued the young man.

"Not so's you could notice it," responded Tina, with candor. "Of course, I can always keep my end up when it comes to talking about those blessed hybrids, but if I could have my choice between pure science and a tennis tournament, give me tennis every time."

"But Kershaw tells me you are interested in collecting lepidoptera," continued the scientist.

"I don't see how you can call poor little moths any such name as that, even if they are such messy little nuisances," said Tina, reproachfully. "Dad collects them—it's his only amusement outside of cribbage—and I arrange the poor little beasts in his cabinets, and fix them up with pasteboard tombstones afterward, but it's not what I call hilarious. If he collected fiery flying serpents instead of moths, I suppose I'd be a snake charmer. You see, he always felt rather sore because I wasn't born a boy, so I have to persuade him he hasn't missed much."

It happened that the young lady and the scientist met quite frequently that Fall; Tina was the only living person who could read her father's handwriting offhand and, as McMurchie had a habit of keeping his records on odd bits of wrapping paper, according to a system which would make a Ninevite hieroglyphic seem easy reading, progress was somewhat slow. Professor Horton was preparing a monograph on the Sweet Pea hybrids, full of gametes and zygotes and astronomical signs; hence his need of Tina's assistance. A cheerful young bulb agent from Haarlem, who, according to popular belief, first hooked McMurchie's order, and then offered himself and his affections to Tina regularly every season, displayed such animosity to the unsuspecting scientist that even McMurchie noticed it. Indeed, Mr. Van Der Kuylen's jealousy was so obvious that the boy who toted flower pots ventured to comment on it, for which Kershaw promptly clouted him over the head with a bunch of raffia. It may be that some potting shed rumor reached Tina's ears; certain it is that she took to treating the professor more like a scientific dictionary and less like a human being, after the contrary manner of girls.

Science, as Professor Horton had once rashly observed in Tina's hearing, is the only thing in the world to live for, but it doesn't pay for coal and tobacco extract, and grate bars and a few other necessities of life that a florist has to allow for before he invests in a motor car or a trip to Europe. Consequently, as Winter came on, McMurchie had to think more of his market stock and less of his hybrids, and the biologist spent most of his time in solitary state, save the occasional presence of Kershaw with a length of hose, and the surreptitious society of Mrs. McMurchie's parrot. The parrot was not a permanent member of the greenhouse staff, but a habit of pulling out its feathers whenever the bird was bored with its domestic surroundings sometimes rendered it so extremely unclothed that seclusion under glass seemed advisable.

Perhaps the biologist hardly realized that there were other interests in life besides science until Miss McMurchie had finished translating her father's fragmentary records and was no longer called upon to assist him in his work. Indeed, he tried to convey this fact to Tina one day, when he was permitted to escort her to a belated local football match. He had been allowed to take charge of the little one-lung runabout in which McMurchie performed all sorts of perilous stunts, including some apparent attempts at climbing trees, and after cranking the machine fifteen hundred and seventy-nine times, actual count, they started off.

Tina was kept quite busy suppressing the effervescence of her setter puppy, which had a passion for motoring, and managed to get quite as much in the way, in the small car, as a whole pack of hounds. It is not easy to be sentimental in a motor car, even without a dog. The biologist, who had not had much experience in expressing his emotions, was just trying to tell Tina how different life had seemed since he had first met her when he managed to run over a pestiferous Wyandotte hen, whereupon the puppy insisted upon bouncing out of the car and retrieving the hen. This was embarrassing, and very difficult to explain to the owner of the hen. The scientist seemed a little ruffled after this incident, and Tina ignored him for a mile or two, while she continued to address the puppy as her "own precious doggums that wasn't half appreciated," which had a somewhat aggravating effect.

"Miss McMurchie," said the professor rather savagely, "is it absolutely necessary for you to fuss with your dog whenever I begin to speak seriously?"

"It is," said Tina, cheerfully, "if I am to listen to you seriously."

After that there was prolonged silence and the young man sat through most of the football game with no more outward expression than an Indian totem pole. Perhaps the motor car was really responsible for a further chill to sentiment on the way home, for it showed a fiendish activity in picking up pernicious punctures and refusing to answer to its steering gear.

"I begin to understand why this sort of machine is called a runabout," remarked Tina, with a gasp, as the car swerved to one side in an apparent attempt to chase a casual pedestrian over a fence.

There is no reason why a young man who can call all sorts of fungi by their first names and extract subsidies from official departments and repentant millionaires (which requires genius), should feel humiliated because he couldn't run an erratic motor car, but every time Tina looked at him the scientist felt as though he assayed about 30 cents to the ton. He began to feel that if Miss McMurchie had desired to cultivate the growth of sentiment, she would have suppressed the dog even though unable to control the motor. When finally deposited in safety on the family doorstep that afternoon, Tina assured the young man that she had had a perfectly lovely time, in a voice as chilly as a breeze from Medicine Hat.

Kershaw shook his head sadly when Miss McMurchie continued to ignore the experimental greenhouse; he had become, in a measure, reconciled to the presence of the biologist, and occasionally imparted to him fragments of the story of his life, which appeared to be almost as varied as the Arabian Nights.

It was far on in December, one raw windy evening, when McMurchie was shut in by a touch of florist's rheumatism, that Tina settled down to beat her father at cribbage. The parrot was strolling around the room with the air of having something on his mind, occasionally whistling "Has Anybody Here Seen Kelly" with variations of maddening shrillness. There was one loose shutter which kept pounding against the sash, and Tina raised the window to fasten it. She was leaning out, wrestling with a refractory catch, when something brushed past her cheek and she realized that Polyanthus (which was the name the parrot didn't answer to) had sought liberty outside. She called frantically, and the bird, lingering to call "goo'-bye," fluttered off in the direction of the greenhouses.

"That blessed bird! If I don't round him up right away I suppose the little wretch will get rheumatism and pneumonia," remarked Tina, pettishly. "And I know he'd just like to lead the whole neighborhood a dance; it's a parrot's idea of a good time!"

So, gathering up a sweater, Tina rushed out, closing the door with a perceptible bang. It was a moonlight evening with a crisp icing of snow underfoot, just right for the Christmas season, but not exactly the weather one would select to stand under a beech tree, addressing coaxing observations to a parrot. There was a little rustle among the dry beech leaves, and Polyanthus, poking his

—CHRISTMAS, 1910—

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disreputable head out, remarked cheerfully "Nice day," and fluttered off toward the greenhouses. This was disturbing, as previous experience had shown the parrot capable of strolling up and down the ridge poles for an hour or so before deciding to seek his happy home.

Tina looked about helplessly; there was no one around the place but the night fireman—a person of uncertain nationality, generally described as a Skowhegian—who was then in the depths of the boiler pit engaged in physical culture exercises with the furnace. He was entirely willing in any emergency, but not alluring enough to capture a parrot. Polyanthus fluttered up to the ridge pole of a Carnation house, and began to promenade along it. It was very chilly; Tina's teeth chattered as she addressed endearing words to the parrot.

"Pretty Polly, come to your own Tina," began the young lady, adding with asperity, "don't you know you're catching your death of pneumonia?"

Polyanthus croaked in a voice that suggested combined croup and bronchitis, and hopped a little farther along the roof. It does not seem possible for a parrot to develop gooseflesh, but Polyanthus fluffed out his feathers, displaying several recent bald spots, and drew up first one chilly claw, then another, as he fluttered along toward the potting shed roof. Occasionally the parrot slid along a bit of ice, at which time he used an interdicted expression acquired in the packing shed when Kershaw hit his thumb with a hammer. As Polyanthus fluttered up to the shed roof, Tina ran inside and, climbing up a ladder, opened, with some difficulty, a skylight, and stepped out on the roof. By this time the shivering but impenitent Polyanthus was quite ready to be captured and buttoned inside Tina's sweater, where he croaked "Merry Christmas" in an asthmatic voice.

There was only one drawback to the bird's immediate restoration to the family circle, and that was the fact that when Tina went back to the skylight she found it had fallen into place, and apparently defied the efforts of anything less strenuous than dynamite to open it. As the light fitted down into the frame without any external fastening, and as Tina had come out unprovided with a burglar's jimmy, the situation seemed serious. After skinning a few knuckles and breaking a perfectly good finger nail, Tina began to march up and down the roof, hoping to see the gleam of the fireman's lantern. Unfortunately, that worthy was at the other end of the place, indulging in a comfortable smoke before lining his nightly stent of flower boxes. Tina was smothering the impulse to shriek like a banshee, because the only person within shrieking distance, except the Skowhegian, was her rheumatic parent, when a footstep on the snow announced a possible rescuer. It was Professor Horton, bent on an evening inspection of the hybrids, and it was with decided embarrassment that Tina called to him.

"Are you on the roof?" he asked, in amazement.

"Foolish question," responded Tina, "I'm trying out an aeroplane at Palm Beach."

"But, why—"

"No, I'm not here because I like it," continued Tina, "I've been catching Polyanthus and now I'm catching cold, and if you want me to fill out an official application and make an affidavit before you offer any help, I wish you'd rush your documents," and Tina sneezed twice as an evidence of good faith.

With creditable promptness the biologist rushed for the potting shed ladder, and a moment later joined Tina on the roof. Unfortunately he, too, was unacquainted with the depraved character of the trap door and, as he slammed it down in his hurry, he was rather surprised by the vivacity of Tina's exclamation.

"Really," she remarked, "it doesn't seem any warmer for two people to freeze to death here than one."

"Tina," said the young man with fervor, pulling off his coat and wrapping it around her, "I know I'm a duffer, and I'm not good enough to look at you, but I'm ready to jump off the roof in a minute if you tell me to."

"I wouldn't advise it," said Tina, "there's a twenty-foot drop with a very realistic rockery at one end and a frame full of hardy Primulas at the other. Besides, it wouldn't be really helpful. Why didn't you specialize in airships? I wish I had a rocket and a life line; I could stand it better if I didn't know that Oscar is peacefully playing pinochle in the boiler room."

"Of course," remarked the unhappy scientist, who was studying the possibilities of the greenhouse gutters, "it wouldn't be so bad if you weren't marooned up here with a fellow you positively loathe, but seeing you haven't spoken to me for over a month—"

"In just about two minutes," remarked Miss McMurchie, with a slight catch in her voice, "I'm going to cry, and what's the use of having all sorts of college degrees and things if you just stand there and let me freeze into an iceberg?" and Tina finished with a realistic but entirely artificial sob, as an evidence of good faith.

The professor, who was much more afraid of feminine tears than of a whole menagerie of roaring lions, began to roll up a closely written sheet of manuscript. "It's lucky I've got my notes on Orchid mutations," he remarked briskly, "they'll make a bully torch, if they're not good for anything else."

"Oh, but perhaps you ought not to burn them," said Tina, sympathetically.

"Tina, I'd burn my microscope for you," said the professor, with intense feeling; "I'd burn a chemical laboratory if you wanted me to. I never realized before how little importance everything else in the world could be," and a second sheet was set alight, the operation being somewhat hampered by the young man's unscientific desire to hold both Tina's hands (for the purpose of warming them) while striking matches. The torch burned out, but there was no appearance of the unconscious Oscar.

"I've only one more sheet—then I'll try crawling along those narrow gutters, if there's no sign of rescue," observed Horton.

"You might burn your collar and cuffs next, if you're bent on self-sacrifice," suggested Tina, who had sidetracked her threatened tears, and really appeared to be enjoying herself. This final expedient, however, was rendered unnecessary by the appearance of Kershaw on his way to a pinochle tournament in the boiler room.

"Well, by the great horn spoon!" he was heard to exclaim, and, a moment later, the offending skylight was opened once more and the imprisoned pair released.

"I've no call to be buttin' in," observed Kershaw, reproachfully to the embarrassed professor, "but it does seem to me that if you wanted to talk to Miss Tina, confidential-like, the roof aint the best place on a chilly night."

A slight confusion noticeable after this remark was somewhat increased by the parrot, who wriggled under Tina's sweater and remarked "Bully for you," in a muffled voice. As Tina hurried through the little Orchid house, where McMurchie hung his job-lot Cattleyas until they recovered from the dried-pickle stage of importation, the scientist remarked rather nervously:

"It's so near Christmas that one might almost imagine those queer little Cattleyas are Mistletoe over one's head."

"How fearfully unbotanical you are growing," called Tina, who was leading the way. "Was that one of the Orchid mutations you were writing about?"

"No," said the professor, with decision. "Just now I'm not a scientist—I'm just a plain man. Christmas is only a few days off, and those Cattleyas are going to be Mistletoe for this occasion only," and the professor, with entire calmness, put in practice the legendary privileges of the Mistletoe just as Kershaw tramped off in the distance, whistling fluent variations of the Wedding March.

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Wiesbaden, Germany

A Profitable Holiday for Florists

All Saints' Day trade, looked for by all florists here as a sort of Fall harvest, was almost a total failure this year. Chilly, cold rain before, on and after this day kept the public from visiting the graveyards *en masse*. The regular procession of the Roman Catholics from their main church to the cemeteries, also the service on the grounds, were called off too. In consequence, the numerous small florists and market gardeners of this town, who have on this day the privilege, under control of the marketmaster, to offer floral designs, pot plants and cut flowers in booths along the roads leading to the cemeteries and immediately before the entrances to them, suffered severe losses.

The customary objects used here for offerings on the graves are wreaths and crosses formed of evergreen or Autumn foliage, frequently interspersed with bunches of wild berries or other fruits, fruit vessels or pods, such as acorns, Pine and Spruce cones, etc. Other designs are formed of Oak, Birch and Pine barks, the spaces between the pieces of bark being filled up with clumps of pretty moss, lichens and various sorts of wild fruits, evergreen foliage and grasses.

This sort of emblematic offering for a grave looks very strange to an American. It is a modified custom of the ancient Germans, the so-called heathen Germans, who cremated their dead and offered on altars. It is a visible sign of the loving connection still existing between those departed and the living.

Many of the lots are nicely, even elaborately, decorated with garlands of green and Chrysanthemums, and many individual graves with characteristic floral offerings; this one with a handsome wreath of Lily of the Valley, that one with one of Heather, and still another with a huge one of La Safrano Roses with conspicuous silk ribbons attached.

On some lots the arrangements or forms of decorations were very tasteful. A handsome gravestone in the rear of one lot was flanked by choice small evergreens and rustic rocks on both sides, leaving a clear space of about 6x6 ft. in its front. This was thickly covered with small white gravel, and in the center of it, sunk about an inch or two, was a shallow copper basin, about 4 ft. long, in shape of a Roman cross, containing wet sand, in which pink Heather, bordered with Lily of the Valley and tips of Taxus stuck in, arranged, as one could observe, by an experienced and skillful hand. A couple of rustic rocks and two splendid specimens of Japanese evergreens flanked this arrangement in the foreground and completed the very impressive decoration.

On another lot, the Summer-flowering plants having all been taken up, the formal beds covering the individual graves were planted with Spring-flowering bulbs, and the respective beds were covered systematically with Spruce twigs of uniform color, while the edges of the beds were bordered with Chrysanthemum flowers and Heather, stuck into the loose ground. In this case the gravel between the beds was black and white, mixed, and in good keeping with the arrangement.

There were so many really tastily decorated lots and single graves that it was well worth our while and tramp under an open umbrella to see them. When the weather is favorable great crowds visit the cemeteries on this day, it being a legal holiday, and when in the afternoon the day begins to darken, thousands of little wax candles, fancifully arranged on the graves, or pretty little lighted lanterns illuminate the lots and are supposed to act as signals.

This beautiful custom, which we witnessed a few years ago for the first time, is very impressive, and not solely practiced by the Roman Catholics here; the Protestants, too, do it, although in a somewhat modified form. All the cemeteries, excepting the Grecian and the two Hebrew cemeteries, are owned by the city, and open to all congregations alike.

The interest of the florist in this custom is in this country not confined to All Saints and All Souls Days; the third Wednesday in November is set aside by the Prussian government as a day for meditation (Busstag), a strict holiday throughout the kingdom, and the Sunday following is Memorial Day, or "The Day of the Dead." On both of these days, set purposely in the periods when Nature goes to rest and the days have become short and gloomy, many floral offerings are bought and deposited at the bases of monuments, in churches or on graves. You see there are various ways and forms of customs over here in which the florist plays an important part.

The big floral establishment had, weeks ahead, very fine window displays emblematic of this characteristic branch of the business. Wahl's windows showed what an artist can do with foliage, fruit pods or seed vessels, grasses, bark, odd-shaped leafless twigs, moss and lichen. Some wonderfully tasty arrangements could here be admired. Weber & Co. displayed, next to several rustic pieces, many designs composed of young twigs of Colorado Blue Spruce with and without cones. In some of these pieces blue-green colored silk ribbons were used in various ways with good effect.

All of our other florists, although not especially mentioned here, had very meritorious displays in their windows, each, of course, catering to his own class of trade.

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Brasso-Cattleya Senateur de Bast
(From Moeller's)

Brasso-Cattleya Senator de Bast

This novelty attracted much attention at the flower show held in connection with the Brussels Exposition, last Spring, as being the finest Brasso-Cattleya extant. The show plant was a vigorous, five-year-old specimen, the result of Brassavola Digbyana × Cattleya aurea crossed with B. Digbyana × C. Mossiæ, being therefore of the third generation. Both petals and sepals are wide and well developed, imparting a round, perfect form to the flower. The color is a delicate lilac pink, derived probably from C. Mossiæ. The lip is 3½ in. wide, very beautiful and graceful in form; it is dark pink, while the throat is a golden yellow, and both are striped dark red, and are very much fringed. It is the darkest in color of the crosses so far known between B. Digbyana and Cattleyas and Lælias. The fringing and the fine habit of the lip, which is bent far down, are probably derived from B. Digbyana. The show plant flower measured nearly 9 in. across. In the competition for the "finest Lælia or Cattleya or their hybrids not yet on the market" it received the first prize.

The originator, Mr. Theodor Pauwels, of the firm of Theodor Pauwels & Co. of Meirelbeeke near Ghent, Belgium, Orchid specialists, who devotes his attention mainly to the raising of Orchids from seed, particularly Cattleyas, has now 25,000 seedlings under cultivation, many of which are expected to flower next year for the first time, and he will use Senator de Bast for further hybridization.—*Moeller's.*

Begonia Gloire de Charentaise

This is a French origination of recent origin of value as an indoor bloomer. It is a cross of B. metallica and B. Credneri, both of whom it resembles, though it is much finer than either of the two; its habit is somewhat more stout than that of the first named, while it is as fully branched. The leaves are a shining olive green above and bronze color on the reverse side. The petals are pure white on the inside and of a brilliant carmine pink (and hairy) on the outside. The flowers are 2½ in. across and are bunched profusely in great panicles, rising out of the bushy plant, and lasting for months, chiefly from August to November. This Begonia is hardy and an easy grower. It wants a temperate house with much air in the Summer. If the young plants are treated to bone meal water, after being fully rooted, fine exhibition plants may be grown in one season. For bushy plants frequent pinching is necessary.—*Moeller's.*



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Fall River, Mass.

On a visit to Fall River, Mass., the past week, the writer visited the Orchid establishment of Paul de Nave, where he found a large quantity of Orchids and the plants in very fine condition. Mr. de Nave is cutting a fine crop of Cattleya labiata, also of Percivalliana, which finds ready market at $6 to $9 per doz. There was also a good crop of Dendrobium formosum, which were running from four to ten blooms to the stalk. Mr. de Nave is an expert grower of Orchids and the condition of his place shows good taste and management.

At Frank Buffington's place were noted some very fine large specimen Palms and one large Phœnix, which was in superb condition; the seed of same was sown 34 years ago by Mr. Buffington. He also reports business has been very good with him during the past season, both in cut flowers and funeral work.

H. Grinnell reports good business, both in plants and cut flowers. He has a fine lot of Begonia Gloire de Lorraine in full blom and his stock in general is looking fine.

C. Warburton was the busiest man in Fall River in the florist line; he was decorating the Armory for the ball given by the Free Kindergarten Association of Fall River. The hall was handsomely decorated with evergreens, Palms, Poinsettias, Ferns and cut flowers. The balconies were decorated with greens, interspersed with red electric lights. This function proved a brilliant success, the attendance numbering between 500 and 600, including a large representation of local society, also many guests from out of town. Mr. Warburton did himself proud in the manner in which the hall was decorated. The boxes were arranged to accommodate six persons. Fay's Orchestra of Providence rendered a fine concert from 8 to 9 o'clock, when dancing began and continued until 1 o'clock, supper being served at 11 o'clock. It was on the whole a brilliant affair, and the celebration was the passing of the Free Kindergarten Association to be now taken up by the public schools.

Mr. Warburton's greenhouses were found in excellent condition. An elegant crop of American Beauty Roses was coming into bloom, also a fine lot of Cyclamen, Azaleas, Primulas and Begonia Gloire de Lorraine. H. C. N.

The Christmas Tree Supply

The New York Herald of Dec. 6 had this to say of the Christmas tree supply in the East:

"Dealers in Christmas trees are not agreed as to whether the demand is increasing or falling off. At the office of W. C. Deyo & Co., 859 and 861 Washington st. (New York), it was said that owing to the inflammable character of evergreens and the many fatal fires caused by illuminations the demand for Christmas trees had decreased from ten to fifteen per cent. On the other hand, George Blank, of 102 Park place, declared that more trees could be sold thia year than ever before, and he had been in the business forty years. A Quebec authority says that five hundred thousand trees are on the way from Canada to New York and Boston; that farmers and foresters along the Canadian Pacific and Quebec Central railroads are reaping a harvest; that the trees are contracted for chiefly by a New England dealer, who is able to control the market. Owing to legal prohibition of tree cutting in New England States, the supply now comes almost exclusively from Canada. Mr. Blank said yesterday that his buyer had been away three months and had bought only ten carloads. The trees are from five to eight feet in height and sell to grocers at from seventy-five cents to $1 a bundle. Grocers pay according to the size of the trees, and tax consumers according to the size of their pocketbooks."

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Oncidium varicosum Rogersii

Two Notable Orchids for Florists

Dendrobium Phalænopsis and Oncidium varicosum Rogersii

Orchids in recent years have made rapid strides in this country, both in private and commercial establishments, and they are, without doubt, the "aristocrats" of the floral kingdom, although, like all other flowers, to be appreciated to the fullest extent high culture is the keynote to success. It was considered some years ago by many Orchid experts throughout the country, and also in Europe for that matter, that there was much mystery attaching to the successful culture of the Orchid family. While I am well aware that there are many details necessary to be followed out towards bringing the majestic blossoms of Orchids to the highest state of perfection, also that the preservation of plants in full vigor year after year is accomplished through knowing when to give abundance of water and when to withhold, or what we would term their resting season, still all such important details may be carried out to the letter. Even with men who thoroughly understand the requirements of different species and varieties, much depends on the house plants are grown in.

It has been said, and there is good room for the assertion, that some of the species degenerate or wear out in a few years. This undoubtedly is the case with some kinds, notably Dendrobium Phalænopsis, one of the most useful Orchids of a large family, either for cutting or decorative purposes. Some ten years ago I bought a batch of healthy, vigorous plants, and in two or three years they dwindled down to a standard where they could not be prized much as cut flower producers, nor for decorative purposes. Indeed, according to their appearance, they had passed their stage of usefulness for all time. However, a change of house worked beyond all expectations, until today they are, without doubt, finer than when they were bought, and as far as appearance goes they should be good for years to come. For some years they have been allowed to make their growth in the humid atmosphere of the Pine house, up near the glass. The slight shade necessary for the Pines is evidently congenial, and they finish up magnificent growths and flower abundantly in the Fall. Their varied colors make them doubly attractive.

It has been proved to my satisfaction that Dendrobium Phalænopsis will grow and flourish for many years, providing climatic conditions are agreeable to them. There are two important points that should not be lost sight of. In the first place they are undoubtedly impatient when their roots are disturbed often. They may be allowed to go two and sometimes three years without repotting, especially by filling up any hollow spaces that may occur from time to time, as it is an understood fact that no Orchids can thrive under any conditions unless their roots are firm. Secondly, it is absolutely necessary to keep the plants in small receptacles. If over potted they will resent the treatment in short order. It is when the pots are well filled with roots and confined to small space that the plants respond best. Under those conditions one need not hesitate to feed them lightly during their growing season, either with weak liquid manure or Bon Arbor. The latter may be used at the rate of 10 ozs. to 30 gallons of water. For my part, I would prefer to use a little of both. However, in speaking of feeding Orchids it is well to remember that it is better not to feed at all than to overstep the mark. The condition of the plants, also, is all important. It would be poor policy to feed any Orchid unless it was well supplied with healthy working roots. It would be a sad mistake to suppose that feeding any plant that had poor root action, with a view to giving it renewed vigor, would prove of benefit. The grower should be the best judge of his plants.

Oncidium varicosum is also of high merit as a cut flower, and is a noble companion for Dendrobium Phalænopsis, both species flowering about the same time, although their treatment varies in regard to heat and moisture during their growing season. Still, excellent growths may be procured in the coldest end of a Cattleya house, or even in a house with a slightly lower temperature.

Oncidiums also will do their best when confined to small pots or baskets. The flowering season of varicosum is a trying one on the plants, and no wonder when we consider the enormous spikes produced from such small plants. One cannot but marvel at the immense amount of vitality stored up in the growths producing spikes four and five feet in length, with a large quantity of golden yellow flowers. Naturally, for any Orchid that has undergone such strain a complete rest for the Winter months is absolutely necessary. Nor do they require much water at their roots while at rest, only enough to prevent shriveling. They may be rested in a temperature of 55° to 55°, according to weather conditions. The health and vigor of Oncidium varicosum depends wholly on a season of complete rest. The photograph herewith represents a very fine type of Oncidium varicosum Rogersii, flowers of large size and substance and of intense yellow, one of the most distinct Rogersii that has ever come to my notice. It was from an importation of a year ago. W. T.



Dendrobium Phalænopsis

Gardening a Healthy Occupation

According to recent official statistics issued in England, gardening is, together with agriculture, among the most healthful occupations, since it shows the smallest mortality in comparison with other occupations; this is, e. g., a third less than among inn keepers, and nearly three-fourths less than among fruit and vegetable dealers. Gardening is even more healthful than agriculture and forestry. It is a mistake, however, for sickly persons to take it up, on the ground of spending their days in the open air, for they would soon find out that they were not equal to the demands made upon them.—*Der Handelsgaertner.*

A Notable Date Culturist

I send you a photograph of the most remarkable man I have yet met in California. It will be noticed that he is seated beside a Date tree; and, like an affectionate father holding the hand of his child, this aged enthusiast is holding the fingers of one of the hands of the child of his brain, and of his courage and his patience. His name is James P. Read. At the age of 70, after leading the strenuous life of a prospector for gold, in the mountains and deserts of the Southwest, for 30 years, he decided to settle down to the less arduous work of horticulture and agriculture. He chose for his location the Coachella Valley, California, which is part of the Colorado Desert, and properly named.

One hundred and thirty-seven feet below sea level, and separated from the ocean by a high range of mountains, which robs the breezes blowing from it of practically all its moisture, the hills surrounding the Valley are absolutely destitute of vegetation, so fierce and intense is the heat of the sun. Artesian water, sweet and pure, is obtained at a depth of 500 ft., in unlimited quantities, and when turned upon the land, which is alkaline, develops a crust which, when dry, contains 27.10 per cent. sodium chloride, 12.20 per cent. sodium sulphate, 6.50 per cent. sodium carbonate, and 2.05 per cent. carbonate of lime, and crackles when trod upon as if one should walk on potsherd of 2-in. pots. I had an analysis made of it that I might be accurate and absolutely correct when writing about the man and the soil he cultivates. I also had an instrument to determine the temperature and humidity, that readers of these notes may understand all the conditions under which this pioneer works; and this for several reasons, one of which is that there are more abandoned homesteads in that Valley than I have yet seen anywhere in this State, in spite of the fact that water is abundant, and for the reason that the settlers rushed in, leveled and ploughed the soil, and planted crops wholly unsuited to such conditions. The result was disastrous, and they all moved away. Not so with the man whose picture appears herewith. He observed the Government Date orchard at Mecca, nearby. It being a success, he decided that the Date was adapted to such fierce heat, and such alkaline soil, and he had the water. Pedigreed plants from Africa were not to be had, so he applied to the Department of Agriculture for seed of the best Deglet Noor varieties.

The little tree shown in the picture, now three and one-half years old, with 45 pounds of fruit on it, is one grown from a lot of seed he received. It has not been transplanted. The first 1500 transplanted into the orchard from the nursery row died because of the alkali. Undismayed, and with a courage not often met with, he decided to try again. He carefully studied the situation, and concluded that if planted in pure sand the plants would get a start and penetrate the soil, prepared for the situation. Holes were dug, filled with clean sand, 4500 plants set, and they all grew; and on the success of this pioneer's demonstrations, which required a mind of keen discernment, of trained powers of observation, and a spirit of dauntless courage, the Date industry of the Coachella Valley will be founded. It is such men as he that blaze the way and mark out the path in which the less courageons, the less thoughtful of the human race follow, and through which empires are built and republics founded. The wilderness and solitary places are glad for them, and the deserts rejoice and blossom as the Rose because of their presence. This man is now in his 76th year.

The air is so dry that it contains but 4 per cent. of moisture during the day. As a great natural sanitarium for those afflicted with the "white plague" it is a cure. The life in the open, the entire year; sleeping rooms made of a framework covered with wire netting fine enough to exclude mosquitoes and flies, are preferable to plastered houses. A double roofed house to break the effects of the direct rays of the sun, which shines with an intensity unknown in a climate of great humidity, is an essential, and when the residents shall have learned to use the leaves of the Palm, Washingtonia filifera, a native there, for covering buildings, there will be no necessity for importing shingles for the purpose.

P. D. BARNHART.



James P. Read, a Notable Date Culturist

New Haven, Conn.

John Seibold of Townsend ave. is getting along nicely with his two new houses, one for Violets and one for Carnations, and is beginning to cut some fine stock.

Jos. J. Sokol of Westville has his houses well stocked with fine flowering plants for the holiday trade.

John A. Long of East Haven is cutting some very fine white and pink Killarney Roses these days.

John N. Champion & Co. are hustling, having several coming-out parties on their hands the coming week, quite a little funeral work, with several out-of-town orders being shipped daily, and a fine stock on hand. Some very fine Sweet Peas are being handled at the store, from the well-known grower, John H. Slocombe.

Business is brisk at the F. S. Platt Co.'s store; the concern has increased its capital stock from $20,000 to $50,000.

The Morse Floral Co. has sold its greenhouses to Anderson & Nyran. Mr. Nyran, formerly with Chas. Munro, is to take charge; he is an experienced man. Mr. Morse is conducting a retail store, having opened a new place at 162 Orange st.

Miss Emily Slocombe, daughter of John H. Slocombe, who was seriously injured in an automobile accident, in October last, is steadily improving.

Chas. Conte, the Grand ave. florist, has completed his greenhouse, situated on the South End road, East Haven. The size of the house is 250 by 30 ft., and cost in the neighborhood of $5000. He is very busy at present stocking the house with seasonable goods. F. H. W.



Only Two Weeks Before Christmas

Dealers who want the profit of selling the best

Christmas Novelty

will be obliged to order without further delay. The supply is large, but orders are coming in at a rate that will surely exhaust it.

THE ANDERSON

VELVET POINSETTIA

PATENTED 1910

Has Made the Hit of the Year

There is no Other on the Market to Compare With It

If you have not seen one of these truly beautiful flowers, send for a sample. Every Live Florist will want a supply for the holidays.

$2.50 per dozen; $27.00 per gross

Special prices on larger quantities.

Early ordering is advised.

For Sale by Leading Supply Houses in the United States.

OR

S. A. ANDERSON

440 Main Street,

Buffalo, N. Y.

Cut this out and mail

Enclosed find 25 cents in stamps; mail me sample of Velvet Poinsettias

Address.....

Please mention the Exchange when writing.

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th Street — Telephones 798 and 799 Madison Square — NEW YORK

Best Stock
Best Location
Best Facilities
Best Attention

We will have for the Holidays an exceptionally fine **Cut in American Beauties, Chatenays, Killarneys, White Killarneys, Richmonds, Marylands, Jardines, Bridesmaids** and **Brides.** An assortment that cannot be EQUALED by any other single Wholesale House in the CITY, together with our usual supply of superb **Cattleyas, Valley, Violets, Poinsettias** and **Lilies.**

Your orders placed here—then you know you are in right

TRAENDLY & SCHENCK, Telephones 798 and 799 Madison Square 131 West 28th Street, New York

SEND FOR PRICE LIST

Please mention the Exchange when writing.

Robert Craig Co., Philadelphia and Norwood, Pa.

As a visitor enters the Craig range of greenhouses this week he is at once confronted by an array of Christmas plants of that splendid quality which can only be produced by the intelligent and skillful efforts of experienced growers. Naturally, at this season, a caller looks first for that Christmas plant *par excellence*, the Poinsettia, and he finds them here of all sizes, from little plants with their bright red bracts in three inch pots, all the way up through the different sizes to three plants, grown with Ferns, in 7″, 8″ and 9″ pans. Some 10″ low pans, with six Poinsettias to a pan, with Ferns between, are remarkable specimens of the grower's skill. The comparatively little seen double Poinsettias, in both single plants and made-up pans, are perfect beauties; as the bracts are double and larger than the single variety, and of equally brilliant color, the effect is very striking. A house of bench-grown plants for cutting presents a dazzling sight, some of the heads being 18″ in diameter. The timing of a plant to bloom at a certain season always requires good judgment, and the Craig Poinsettias this year are in just the pink of condition for Christmas use.

Not so showy, but more durable, are the beautiful Cyclamen, which command attention, in all sizes from those grown in 4″ pots to specimen plants with a spread of 30″, growing in 8″ pots. The foliage is clean, and the plants are well covered with bloom with a range of color all the way from purest white to deep crimson, and varying in form also from those blooms of the old orthodox gigantea type to those of the fimbriata shape.

The Begonia section of the Craig range is today a charming sight; it is just a sea of pink blooms. Words are inadequate to describe the beauty of these Begonias of the Lorraine type. It is hard to choose between the plants seen here of the original Begonia Gloire de Lorraine, or its lighter colored sport, Lonsdale, or the dark colored sport of Lonsdale itself which holds its flowers better than any of the others, or the Glory of Cincinnati, which many think will displace in time the original Lorraine. More lasting than the Poinsettia, but not quite so hardy as the Cyclamen, yet surpassing both in airiness and grace, the Begonia Lorraine and its varieties is one of the most desirable of Christmas plants.

The Azaleas are in splendid condition; a house of the dark pink variety, Madame Petrick, is especially fine. Besides this variety are seen the favorite variegated Vervæneana and the new white form of the same variety, also the Crimson Hexe.

Every grower takes off his hat to Craig's Crotons. They are famous everywhere, and the stock of these plants available for filling Christmas orders is large and fine. The Cronstadtii, the Lonsdale, the Craigi, the Reedi, and a great many other beautiful varieties, are seen here. The red colored varieties are, of course, showiest for Christmas use, but the yellow colora are equally beautiful.

Among other foliage plants especially noteworthy are some grand specimens of Ficus pandurata, a fine stock of Pandanus utilis and Dracæna Massangeana, but most attractive of all are some very highly colored Dracæna terminalis with perfect foliage from the baby leaves right up to the tops.

In the decorative plants which carry a green foliage are seen here, in 8″ pots and tubs, some well grown specimens of the Phœnix Roebelenii which is so rapidly growing in favor, also the Areca lutescens, of good color and in nice condition.

In Ferns there may be seen here everything in the Nephrolepis varieties. Especially noticeable are the beautiful Scholzeli, the elegantissima compacta, the Scottii, the Todeaoides and the new Giatrasi.

In berried plants, some Aucubas, well covered with their red fruit, are very attractive.

The W. W. Edgar Co., Waverly, Mass.

This company has been well known for years for the fine pot plants it produces. On a recent visit I was delighted with the exceptionally fine appearance of all the houses and their contents. It makes one feel good when one sees plants grown to such perfection. Begonia Gloire de Lorraine is grown here at its very best, several large houses being devoted to it. I seldom ever had the pleasure of looking at better plants than are in full bloom here. Every plant is a specimen and of large dimensions at that. This plant is a difficult one to handle in its younger stages of growth, requiring great care and attention, therefore one appreciates the skill and good culture given them to produce material like this from single leaf cuttings in one season. There is a splendid demand for this plant in the Boston market. When one sees whole houses of specimen plants like these he begins to wonder if there are customers enough to buy them all. But, indeed, most of these plants sell at handsome prices. If grown cool and not forced in any way, there are few plants to compare with a well-grown Lorraine Begonia as a Christmas gift. If it is forced or given too much heat it is liable to drop its blossoms when it gets to the retail stores.

The next house I entered was one wholly devoted to Poinsettias, and such a dazzling show! They are exceptionally well grown and in perfect condition for the holidays; could not be better. There is a large number with several plants to a large pan with Asparagus plumosus used as a groundwork. Quantities are grown in six-inch pots. The Poinsettias are well grown, having healthy foliage right down to the pots and large, handsome bracts. This is the right color and is the plant *par excellence* for Christmas. Several houses are given up to Azaleas for Christmas and I have never seen better stock anywhere; there are about seven thousand plants, in all sizes, from large specimens down to small ones in 4 and 5 inch pots.

Cyclamen are also grown, but not in quantity. One house is given up to Adiantum cuneatum Edgari, now in excellent condition for cutting.

Standard Heliotropes were well grown and make a pleasing plant which finds a ready market. Mignonette in 5 and 6 inch pots was nicely grown; they were in full bloom and make a desirable fragrant plant. Australian Bottle Brush is rather unusual at Christmas but several, well grown and in full bloom, are ready for Christmas customers.

In foliage plants the company has a nice lot of Dracæna terminalis, beautifully colored. They are finishing cutting their 'Mums. Dr. Enguehard is considered one of their best late pink varieties; Cullingfordi is one of their late dark red, and Bonnaffon their best late yellow.

Although the houses just mentioned are all in Christmas stock there are numerous others devoted to stock for Easter, and these are being looked after just as carefully. The whole establishment is under the careful management of Herman Bartsch and the plants and cut stock he is turning out prove his skill and ability as a plantsman and a thoroughly good manager. R. C.

John Mackenzie, North Cambridge, Mass.

Mr. McKenzie has a fine stock of plants for his Christmas trade. One house is in Cyclamen plants which are in fine flower. The plants are well grown in six and seven inch pots. A house of Begonia Gloire de Lorraine is a sight worth seeing; the plants are grown in different sizes and are compact, neat, well grown. He has a fine batch of Begonia Glory of Cincinnati and considers it a grand thing. It is a little later in producing its flowers than the former, but they are quite large and the plants have a strong, sturdy habit, which will make them excellent for shipping.

Mr. McKenzie has a large number of Azaleas which will be in the very best condition for his holiday trade. His Carnation houses are carrying a heavy crop of flowers. He has done excellent business in his new store on Mass. avenue, and his Thanksgiving business far exceeded that of any previous year. He keeps his store well stocked with the best plants and flowers and his windows are always conspicuously brilliant. R. C.

NEW IRISH ROSE MELODY



NEW IRISH ROSE MELODY

FOR several years we have made a study of the Pedigree Seedling Roses of Messrs. Alexander Dickson & Sons. We have visited their Nurseries when from 3000 to 5000 Seedlings were in bloom, and our earnest endeavor has been to select varieties for Winter Forcing in America that will flower as freely during the Winter as Killarney. We have tested several beautiful Roses that the retailer would gladly buy, but they would not produce enough flowers during the Winter months to be profitable to the Grower. In Melody we have the freest flowering Winter Forcing Rose yet introduced; it is a Yellow Pedigree Seedling of Messrs. Alexander Dickson & Sons, Newtownards, Ireland; and is the fourth Rose they have given us for Winter forcing, their former introductions being Killarney, Liberty and Mrs. Jardine.

Melody has a strong, willowy growth, unlike any other forcing variety, with rich glossy foliage. Flowers are of perfect form, of a beautiful yellow, shading toward the center to deep apricot yellow, and very double. It will be particularly valuable to Florists from the fact that it produces such quantities of flowers in Winter, when other varieties are apt to be shy. With us in Sharon Hill it is as free in Winter as My Maryland is in Summer; and from one two-year old plant, last December, we cut 26 flowers, and from the same plant on the next crop in February we cut 27 flowers.

We offer only Own Root Plants, as, like most yellow Roses, Melody does not take kindly to Manetti stock.

Prices: $6.00 per dozen, $30.00 per 100, $70.00 per 250, $250.00 per 1000. 2½ inch pots; Delivery during March.



ROSE DOUBLE PINK KILLARNEY

Double Pink Killarney

THIS Novelty originated in our own place. Some years ago we had a White Sport from Killarney, and after working it up to a house of 1700 plants, we sold cut flowers from it. One of these plants sported back to pink, but instead of the ordinary Killarney we found that the habit of growth was much stronger, and the flower had from 10 to 12 more petals than Killarney, some having as many as 35, and were a shade lighter in color. Every Florist who has seen this Sport likes it, as it is a better shipper and a larger flower than Killarney.

Prices: Own Root Plants, 2½ inch pots, Spring Delivery, $4.00 per dozen, $20.00 per 100, $40.00 per 250, $150.00 per 1000.

GRAFTED PLANTS: $30.00 per 100, $250.00 per 1000. Orders filled strictly in rotation.

Address all Orders to.. **ROBERT SCOTT & SON,** **SHARON HILL, Delaware County, PA.**

OR TO OUR AGENTS

S. S. PENNOCK-MEEHAN CO.
1608-1620 Ludlow Street, PHILADELPHIA, PA.

HENRY A. DREER
714 Chestnut St., PHILADELPHIA, PA.

A Grand New Carnation

BRIGHT SPOT

Outclasses everything heretofore grown in the Dark Pink Section.

Won First Honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure, bright, dark pink of even shade, size 3½ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100 . . . $12.00
25 at 100 rate

Price per 1000 . . . $100.00
250 at 1000 rate

Price per 5000 . . . . $400.00

PLACE YOUR ORDER NOW, TO BE IN ON EARLY DELIVERIES

NIC. ZWEIFEL, NORTH MILWAUKEE, Wisconsin.

Please mention the Exchange when writing.

The George Robert White Medal of Honor

An important event in the horticultural world, in the present year, is the establishment of the George Robert White Medal of Honor, for the maintenance of which a suitable fund has been given to the Massachusetts Horticultural Society; the medal is to be awarded by the executive management of that organization.

Mr. George Robert White of Boston, in his deed of trust accompauying the fund, states that he has long thought that there was an opportunity for broadening the field of influence of the Mass. Hort. Society and of extending the interest in its work if some suitable recognition were made of those persons who have accomplished important results in horticulture; the award to be made independently of or in addition to any prizes or certificates of merit that may be bestowed by the Society in the course of its regular schedule of premiums.

He has, therefore, founded the George Robert White Medal of Honor Fund, the income of which is to be devoted annually for the specific purpose of providing a substantial gold medal to be awarded to the man or woman, commercial firm or institution in the United States that has done the most during the year, or in recent years, to advance the interest in horticulture in its broadest sense.

The first award of the medal has just been made to Prof. Charles S. Sargent, Director of the Arnold Arboretum, whose eminent service in horticulture is generally recognized both in this country and abroad. His great work has been the introduction of many desirable ornamental trees and shrubs and the testing of their hardiness in this latitude.

The George Robert White Medal of Honor will have a strong influence in promoting the horticultural activities of the country.



The George Robert White Medal of Honor

The medal was struck in the United States Mint in Philadelphia, from twenty-four karat gold; it is two and three-quarter inches in diameter, five thirty-seconds of an inch thick, and weighs between seven and eight ounces.

On the face, the figure symbolizes not the ordinary horticulturist as much as the scientific intellect whose aim is to improve nature, even to create, if that is possible. The trees in the background represent the allied branch of arboriculture. On the reverse, in the inscription, the name is so designed that it can be replaced by another name each time the medal is awarded.

The George Robert White medal was executed by John Flanagan, a native of Newark, N. J., and a student, first of Augustus St. Gaudens, later, in Paris, at the Academy Julien, under Chapu, and the Atelier Falguiere, at the Ecole des Beaux Arts. During the course of these years of study Mr. Flanagan was awarded many coveted prizes, and acted as an assistant to MacMonnies on his fountain for the Chicago World's Fair of 1893. Since then he has received commissions for many medals, portrait busts, and other works, among the best known being the Brinton medal, the Langley Memorial, and the Hudson-Fulton and Pennsylvania Society medals. Several of Mr. Flanagan's medals have been acquired by the Musée du Luxembourg, the Metropolitan Museum, New York, and recently by the Museum of Fine Arts at Ghent.

A Natural Hotbed

The town of Niederplanits, near Zwickau, Germany, was, up to a short time ago, the fortunate possessor of a great natural hotbed that did not require any artificial heat. The coal deposits of the Zwickau mining district rose to the surface here and the work of the miners consisted formerly merely in shoveling the coal out of the ground. Many years ago a coal bed caught fire and continued to glow slowly under the surface. Although no outward signs of this conflagration were visible, the area was hot enough to melt all snow away in a few hours. So the citizens conceived the idea of using this natural heat for raising exotic plants. Large beds were laid out and the most rare and magnificent plants were grown free on the spot. Even the sensitive Victoria regia flourished over this subterranean heat. Unfortunately, for the people, this great fire, burning for centuries, has now gone out, or at least receded so far into the interior of the earth that this natural heat can no longer be utilized for the hotbed.—*Bindekunst.*

Vaughan's XXX Fancy Holly

Bouquet Green Holly Wreaths Mistletoe And All Holiday Decorations

Write for Special Circular

Immortelles

Colored White, Purple, Bright Scarlet, Pink, Blue, Light Green, bunch 25c., 3 bunches 65c., dozen $2.25, 50 bunches $8.00, 100 bunches $15.00, case of 125 bunches $18.00

Natural (Yellow) bunch 20c., dozen $2.25, 50 bunches $8.00, 100 bunches $14.50, case of 125 bunches $17.00

Vaughan's Tissue Christmas Bells

	Each	Doz.	Gross
5 inches	5c	$0 50	$4 00
8 inches	10c	70	6 50
12 inches	15c	1 25	12 00

XXX Fancy Holly Wreaths

	F. O. B. New York Doz.	100
Single, wound one side, 12 inches diameter	$1 75	$13 00
Double, wound both sides, 12 inches diameter	2 75	20 00
Single, wound one side, 14 inches diameter	2 25	15 00
Double, wound both sides, 14 inches diameter	3 25	25 00
Double, wound both sides, 18 inches diameter	7 50	

Bouquet Green Wreathing

Put up in coils of 20 yards each.

Light Grade, per 100 yards	$5 00
Medium Grade, per 100 yards	7 00
Heavy Grade, per 100 yards	8 00

F. O. B. New York

Mistletoe

We expect to have a choice stock of this for delivery about December 15th. **Order now.**

Extra Quality. Per lb. 25c., 10 lbs. $2.25, 25 lbs. $5.00.

Ordinary Quality. Per lb. 20c., 10 lbs. $1.90, 25 lbs. $4.50.

Laurel Wreathing

Made of dark green Laurel leaves taken from swamps, without spots and seeds. Wound on rope and made extra heavy; will last a long time. Per 100 yards $7.00, 50 yards $3.75, 25 yards $2.00

Evergreen Wreaths

	F. O. B. New York Doz.	100
Single, wound on one side, 12 inch	$1 50	$12 00
Double, wound on both sides, 12 inch	2 00	15 00
Double, Extra Heavy, 12 inch	3 00	20 00

Vaughan's Seed Store

New York 25 BARCLAY STREET Chicago

Please mention the Exchange when writing.

J. Bolgiano & Sons, Seedsmen, Baltimore, Md.

This firm nearing the century mark in its history (93 years young), has recently established, under the direct personal supervision of an expert from the U. S. Dept. of Agriculture an uptodate, completely equipped seed analyzing and seed testing laboratory and is now in a position to give their customers, at all times, accurate and scientific information about any of their seeds, which comply in purity, cleanliness and quality with every requirement of the Virginia State Seed Law and the seed laws of all other States in the Union.

As shown in our illustration this house has purchased and added to its establishment one of the finest water front properties in the city of Baltimore. This mammoth new property is conveniently located near their main offices and salesrooms and just opposite the new ten million dollar city docks. Their own pier has three hundred and seventy five feet of private dockage. All railroads and steamship companies entering Baltimore deliver freight to their pier without extra charge, thus saving thousands of dollars in drayage. On their new piers and warehouses they have over seventy-five thousand square feet of floor space, which includes their Onion set and seed Potato warehouses, bulb, seed and grain warehouses, and their immense new poultry food manufacturing plant, also their special Grass, Clover and field seed cleaning machinery. With their complete new automatic machinery it is possible to unload a carload of grain or field seeds, weigh, thoroughly clean and reload in the same or another car in a very short time.

They have installed a new poultry food plant capable of producing three thousand bags of poultry food per day; this is about fifteen times their former capacity. All the various grains and seeds required for their poultry food brands are delivered free to this pier, handled right from the cars by automatic machinery, cleaned, milled, scientifically proportioned, bulked, mixed, weighed, bags sewed, and the finished food automatically conveyed back to the cars on their pier, all by machinery.



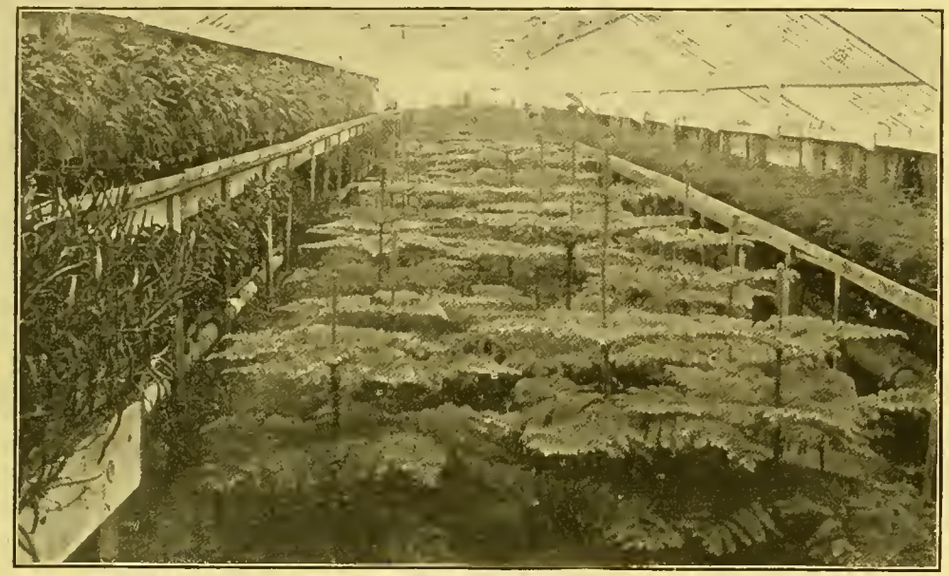
BOLGIANO'S PIER.

Prepare For The Holidays

It won't pay to let others get ahead of you. Don't look as to what is behind you; go straight forward. Make a break for Godfrey Aschmann's greenhouses, to the old reliable firm who always looks after your interests and protects the trade. We have no department stores for our customers.

We Sell Only to the Trade

If you have room, now is the time to purchase your supply, while the weather is mild and shipments can be made more safely and while we have a big stock at bargain prices.



HOUSE OF ARAUCARIAS

LEADER IN FERNS

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer, 5½, 6, 7 in. pots at 40c., 50c., 75c. to $1.00 each; as big as a bushel basket for $1.25. 1 doz. or over, same rates.

LEADER IN AZALEA INDICA

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

WE LEAD YOU INTO WEALTH

AZALEA INDICA

Already forced for Christmas

All showing color and stored away in colder houses to harden off.

Remember, for Christmas forcing we must select only the healthiest plants. Small, weak, sickly looking plants won't force successfully for Christmas. Have only large plants.

DEUTSCHE PERLE (double white), **SIMON MARDNER** (double pink), **VERVAENEANA** (double rose variegated), price 75c., $1.00, $1.25, $1.50 to $2.00. Don't order many at 75c.; we haven't got them; larger sizes must accompany the order. **MME. PETRICH**, very scarce in Europe this year; early light pink, 75c., $1.00, $1.25 to $1.50.

EASTER VARIETIES

NIOBE (double white), 66c. and 75c. **SHREVERIANA**, double variegated, only big plants of this variety, $1.00, $1.25, $1.50 to $2.00 **MME. VAN DER CRUYSSEN**, best pink (scarce this year), 75c., $1.00, $1.25, $1.50 to $2.00. **VERVAENEANA**, and **EMPRESS OF INDIA**, double variegated, well known varieties, 50c., 60c., 75c., $1.00, $1.25, $1.50 to $2.00. **SIMON MARDNER**, 75c., $1.00, $1.25, $1.50 to $2.00. **PROF. WOLTERS**, only large stock, $1.00, $1.25 to $1.50. **BERNARD ANDREA ALBA**, white, only large plants, $1.25, $1.50 to $2.00. **OSWALD DE KERKEN**, $1.00, $1.25 to $1.50.

(As I already mentioned, owing to the scarcity of stock, I had to buy large plants)

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 50c., 75c. to $1.00; 7-in. pots, $1.25 to $1.50; 3-in. pots, 13c. to 15c. Large sizes must also be taken in connection with the 50c. size.

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached the top of the pole, and there we are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES.

LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 50c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you the best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA**, a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsteriana, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each; 4-in., 20 in. high, 20c. to 25c. Combination Plants, 5-7 in. pots, three plants in a pot, 30, 35, 40 in. high, $1.25, $1.50, $1.75 to $2.00.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

POINSETTIAS, 4-in., 25c.

BEGONIA, new improved Erfordi, for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 5 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.

ASPARAGUS Plumosus Nanus, 2½-in., as big as 3-in., $5.00 per 100.

ASPARAGUS Sprengeri, 2½-in., 3c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston**, extra good value, 6½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each.

NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.

NEPHROLEPIS Glatrasii. This is a new Fern, resembling the Scottii, only shorter and bushier. 5¼-in. pots, 40c., 50c.; 3-in. 25c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100.

ADIANTUM Hybridum, 5-in. pans (3 plants) 25c. per pan.

CINERARIA Hybridum, 2-in. pots, $3.00 per 100.

CYCLAMEN Giganteum, 4-in. 25c.; 5-in., 35c.; in bud.

PRIMULA Chinensis, John Rupp'e strain, 4-in., 10c.

PRIMULA Obconica, our well known best strain, 4-in., 10c.; 5-in., 15c.; 6-in., in bloom, 25c. to 35c.

FICUS Elastica, 5¼, 5½ to 6-in. pots, 25c. 40c., 50c.

PTERIS WILSONI, a popular and showy Fern, 5-in. pans, 25c., 35c., 40c., three plants in a pan.

HYDRANGEA Otaksa, pot grown, 5-in., 25c., 35c., 40c.; 7-in., 60c., to 75c. Remember only pot grown, will force successfully for Easter.

JERUSALEM CHERRIES (Solanum), 6-in. pots, 25c., 35c., 50c.; full of ripe berries.

DRACAENA Brunnii, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 35 in. high, 50c.

LATANIA Borbonica, 5-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.

HOLLY FERNS, 4-in. pots, 25c. Please state if shipped with or without pots.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

F. E. Best Advertising Medium—Alive and Up-to-date



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(135) **'Mums a Failure.**—We have a lean-to built on the south side of our greenhouse which we planted with 'Mums this season. We planted about June 12, using good healthy plants from 2½" stock, but they did not do well at all. We fed and gave them the best of care; the soil is very good, about 18" deep, and has a gravel bottom under it; we have glass in the sides and a sash roof; gets fine light and sunshine the largest part of the day. Do you think there is too much soil, or would they do better if we put in a concrete or cinder bottom?—G. P., N. J.

—It is merely stated that the Chrysanthemums did not do well, but in what respect they were a failure is not indicated in the question. A south side lean-to house would need ample arrangements for ventilating in order to keep down the temperature and allow free circulation of air. Perhaps better results would have been obtained by raising a bed, 5" to 6" deep, directly on the ground level of the lean-to with an underdrainage of cinders, or by using a low bench 5" deep.

(136) **Covering Pansies.**—I have a quantity of Pansy plants in frames and wish to know if I could cover with leaves and shutters in place of glass, so as to use my glass on other beds. I have always, hitherto, kept the glass on all Winter.—O. H. J., R. I.

—Pansy plants will probably winter fairly well with a protection of leaves even without shutters, provided the location is such that the water will drain off perfectly from the frames. The shutter will, of course, keep off the water. Undoubtedly, a glass covering will give the best results, as with it there is always an opportunity to watch the plants.

(137) **Berry Bowls—White Flies.**—Can you tell me where the glass bowls with covers can be bought which are so often filled at Christmas time with Partridge Berry vines. I want to buy the empty glasses. Can you also tell me how to rid my greenhouse of white flies?—F. L. B., Vt.

—Robert Kift, 1725 Chestnut street, Philadelphia, Pa., has for sale improved "New Fern and Berry Globes," which will probably be the very best article procurable in the Berry globe line. Hydrocyanic gas, correctly used, will destroy the white flies in your greenhouses, but this gas is dangerous both to the user and to the plants in unskilled hands. It is suggested that Aphine be tried. Read the articles on "Hydrocyanic Acid Gas in Greenhouses," in the issue of Nov. 26, 1910, of the Florists' Exchange, and also in issue of Nov. 13, 1909.

(138) **Goldfish.**—Please inform me of a wholesale dealer in goldfish and aquariums nearest to Augusta, Me., as I have intention to deal in the same as a side line?—S. W., Me.

—R. Douker, 362 Amsterdam ave., N. Y. city, and E. C. Vahle, 319 Market st., Philadelphia, Pa., are dealers in goldfish and aquariums. A want ad. inserted in our classified adv. column would probably bring you a reply from dealers located nearer to your city.

EL PASO, ILL.—Chas. Snyder has disposed of his interests in the El Paso Carnation Co. and has purchased the greenhouses located three blocks south of the El Paso water works.

BARTLESVILLE, OKLA.—J. C. Stanhauser of Pittsburg, Kans., has taken charge of the greenhouse property at the corner of Third st. and Cherokee ave. and will at once put it in condition. Mr. Stanhauser is an experienced man in the business.

CHRYSANTHEMUMS

As You Like Them

Our Collection Comprises:

THE EARLIEST THE LARGEST
THE LATEST THE SMALLEST
THE BEST

Also Smith's Peerless Asters

WHICH ARE UNSURPASSED

Catalogue in January

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

STOCK CHRYSANTHEMUMS

THE BEST OF LAST YEAR'S NOVELTIES

In pot and bench plants, viz.:

Wells' Late Pink, W. Mease, Mrs. H. Stevens, R. F. Felton, Gladys Blackburn, Keith Luxford and others at 50 cents each

Our new list for 1911 will be ready soon. Send for copy.

SCOTT BROTHERS

Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Chrysanthemums

STRONG STOCK PLANTS.
Tonset, Alice Byron, Ivory, Deajouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bunnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).
75 cents per doz.; $4.00 per 100.

WM. SWAYNE, Kennett Square, Pa.

Please mention the Exchange when writing.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Verbenas! Verbenas!! Verbenas!!!

THE GEM BEDDING PLANT

J. L. DILLON, Send for Circular **Bloomsburg, Pa.**

Please mention the Exchange when writing.

Winter-Flowering, Sweet Pea Plants

Out of 2½ inch pots; fine strong plants, $2.50 per 100.

NEWMAN & LEGG, P. O. Box 287, Manasquan, N. J.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

WHITMANI

Pot Grown

Nice Stuff

5 inch at 20 and 25 cents
6 inch at 40 and 50 cents

Cash or C. O. D.

State whether with or without pots.

L. F. GOODWIN

Clark Mills, N. Y.

Please mention the Exchange when writing.

ASSORTED FERNS

FOR DISHES

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and Forsteriana, 2¼-in., 4 leaves, $10.00 per 100.

ASPARAGUS Plumosus, 2-in., $3.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddeliana and KENTIA Belmoreana, from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN,
SHORT HILLS, N. J.

Please mention the Exchange when writing.

FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street **Port Chester, N. Y.**

Please mention the Exchange when writing.

BOSTON and WHITMANI

FERNS

2½-inch pots, $30.00 per 1000
100 at the 1000 rate.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.
WHITMANI FERNS, 2½-inch, $5.00 per 100, $40.00 per 1000; 250 at 1000 rates.
NEPHROLEPIS MAONIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

FERNS

MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; assortment of 12 best varieties, $2.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 6 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in.,, 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and Sprengeri, 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, from 2¼-in. pots, ready in large lots, $30.00 per 1000.

ASPARAGUS Plumosus, new stock ready.

20,000 KENTIA Belmoreana, in 2¼-in. pots, $55.00 per 1000.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.
4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

FERNS

BOSTON — SCOTTII — WHITMANI

4-in. 15c., 5-in. 35c., 6-in. 50c.,
7-in. 75c., 8-in. $1.00

Scranton Florist Supply Co., SCRANTON PA.

Please mention the Exchange when writing.

F. E. BEST ADVERTISING MEDIUM

—ALIVE AND UP-TO-DATE

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.

The color is the clear, deep pink so much in demand.

Rooted Cuttings ready December 15th.
$6.00 per 100, $50.00 per 1000.

ALMA WARD **Rooted Cuttings ready December 15th.**
$7.50 per 100. $60.00 per 1000.

OTHER VARIETIES, Rooted Cuttings, Ready January 1st.

Pink Delight, $6.00 per 100, $50.00 per 1000.
Beacon, $4.00 per 100, $30.00 per 1000.
Winsor, $4.00 per 100, $30.00 per 1000.
Enchantress, $4.00 per 100, $30.00 per 1000.

Cottage Gardens Co. Inc. **Queens, Long Island, New York**

Please mention the Exchange when writing.

C. Ponnet, Alexandria, Va.

About fifteen years ago, C. Ponnet, a Frenchman, located on a small tract of land fronting on Duke st., in the western suburbs of Alexandria, Va., where he and his son began raising flowers and Mushrooms.

Today visible results mark a great success, both father and son taking an active interest in the business in addition to a corps of helpers. Every foot of land is being utilized to the best advantage, and although the engine houses of the Southern Railway are close by, keeping the air full of smoke and the glass darkened, there is a vigor and healthy appearance about even the Roses and Carnations which mystifies the observer. Thousands of Boston and Whitmani Ferns are also grown.

Some 25,000 sq. ft. of glass comprise the range, which is divided into a number of long narrow houses of even span with valley gutters between. Two of the larger of these houses are filled with 4000 Roses, while two others contain the same number of Carnations. These two crops, with the addition of thousands of Adiantums, comprise the principal stocks grown, but there are also a few late Chrysanthemums, Asparagus plumosus, Poinsettias, bulbs, some miscellaneous stock and a fine lot of Pteris.

There are seven Mushroom houses of the even span type, built of rough boards with valley gutters. Each house is 180x15 ft., and is covered top and sides with tar paper to exclude cold, rain and draughts. While there is a series of small ventilators at intervals along the houses, the only visible openings are small doors at either end through which materials are carried for the construction of the beds. On the inside, the tops, sides and supporting posts are neatly whitewashed. The entire floor space, exclusive of walks on each side of the 12-ft. beds, is slightly elevated and used for planting. The centers of the beds are made accessible by means of a 12-in. board bridging their entire length and supported by stakes, so there is no space lost.

Two hot water pipes, elevated slightly upon the posts, maintain a temperature of from 53° to 60° throughout the Mushroom season, which is from Nov. 1 to April 15, when the warm weather usually stops the crop. Manure is purchased in carload lots and, after undergoing the usual process of fermentation, it is packed to a depth of about 7 in. upon the hard floor, which has been previously purified with lime. When your correspondent called, several of these large beds had been spawned and were covered with straw to retain moisture, while others were awaiting final decline in temperature prior to spawning.

Under favorable conditions from 100 to 150 pounds are gathered at a picking and shipped to the markets, hotels, etc., of Washington, Baltimore, Philadelphia and New York. When a fair yield is obtained, results are gratifying, but there seems to be nothing certain (except a lot of hard work), until the crop is in bearing. Mr. Ponnet says that one of his chief difficulties lies in procuring the proper fertilizer; this means manure that is not infected with foreign chemicals such as are used about stables, and the presence of which manifests itself only through the destruction of the mycelium. There are also many other causes of failure, but most of these have been recognized and can be avoided. After the manure has served its specific purpose in the Mushroom beds it is used in growing the fine Ferns and other plants, with the addition of air slaked lime to sweeten the soil and kill any remaining traces of fungi. In addition to a home trade Mr. Ponnet conducts a wholesale and retail stand in the Center Market in Washington. J. L. C.



Mushroom Houses of C. Ponnet, Alexandria, Va.

Interior of House Showing Beds Spawned and Covered With Straw to Retain Moisture

Exterior View of Mushroom Houses



Light-Strong-Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst, like old-style wrapped duck construction. Made in continuous lengths up to 500 feet, which gives you any length you want and avoids leaky couplings.

MANUFACTURED BY

REVERE RUBBER CO., Boston, Mass.

Branches

NEW YORK PHILADELPHIA PITTSBURGH CHICAGO
MINNEAPOLIS NEW ORLEANS SAN FRANCISCO

Please mention the Exchange when writing.

Buffalo

We must report at this date. Dark days and cloudy weather have been very detrimental to the growing of flowers under glass, such as Carnations, Roses, Violets and, in fact, all kinds used by the florists, consequently cut flowers are scarce.

L. H. Neubeck, Main and High sts., is delivering quite a few plants to his many customers. He shows some very fine imported Holly plants, mixed with Asparagus Sprengeri and fancy ribbons, making a very fine display. He also is well stocked with Lily of the Valley, Harrisii Lilies, and Azaleas. Orders are already coming in for Christmas delivery.

S. A. Anderson, 440 Main st., has had some very large decorations in hand in the past few days, keeping his boys on the hustle. He certainly has the plants with which to do the work, as he has bought the store and greenhouses of J. H. Rebstock at 493 Elmwood ave., adjoining his own greenhouses. Rachel M. Rebstock, 614 Main st., had quite a rush last week, work of all kinds and discriptions coming right along. On one of her busy days quite a number of large funeral designs were turned out for the funeral of the wife of Judge White of Buffalo.

The Lenox Flower Shop, 584 Main st., report having their share of floral work of all kinds, and are kept very busy. They are making preparations for the holiday trade, propects for which they claim look good to them.

W. C. Stroh, 354 Main st., had to leave his store on Thanksgiving Day, a sick man, the trouble due to over work and a very severe cold. His business was carried on just the same by his employee, who was well able to take charge. Mr. Stroh is around again and able to look after his trade as usual.

H. Keitsch & Sons Co., 810 Main st., are doing a good business in cut flowers and designs. The scarcity of flowers preveuts the usual surplus for show purposes, but the store is well stocked with Palms and Ferns.

The William Scott Co., Main and Balcom sts., are in good shape to supply florists of the city with a choice lot of cut flowers and plants, as their nine greenhouses are well filled with them. The stock is very choice and in fine condition.

W. J. Palmer & Son, 304 Main st., have a fine exhibit of cut flowers and orders are as numerous as ever. They are making preparations for the Christmas trade and have a fine lot of Palms and Ferns to offer.

The Newlands Co., 1838 Main st., have their four greenhouses filled ready for the holiday trade. They also have a very choice lot of cut flowers and other stock suitable for cemetery use. They take care of many vases during the Summer.

J. Rebstoch, who lately sold his greenhouses to S. A. Anderson, expects in the near future to take a trip to Florida.

The Wm. F. Kasting Co., 383 Ellicott st., is getting ready for the coming holidays. He has all ready a full supply of Holly, Smilax, bouquet green and a full line of Immortelles for decorating. It has a staff of 15 girls now busy working on roping and wreaths. The company reports cut flowers coming in very slowly, and some orders have to be turned down every day in consequence. It is hoped we shall be favored with good weather very soon to help the trade along.



Interior of Store of Fred. H. Lemon & Co., Richmond, Ind.

Buffalo Florists' Club

A regular meeting of the Buffalo Florists' Club was held at Kasting's Hall on Tuesday, December 6, President Streit in the chair. Secretary Legg read the minutes of last meeting and same were approved as read. The flower show committee reported all bills paid up to date but of the guarantee fund, the report was accepted and the committee received a unanimous vote of thanks. Geo. Kumpf and Jacob Weise were elected members of the Club. Under the head of new business, on motion of W. F. Kasting it was decided to hold the flower show another year. It was also on motion decided that the president appoint the committee to take charge of the show by next meeting, and that postals be sent to every member advising him in time to prepare for next year. Messrs. Kasting, Adams, McClure and Guenther spoke very highly of the good the show had done with the general public, and expressed themselves as sure that not only the people of the city but every member of the Club would do their best to help the show along to make it a success. Adjournment was taken until the first Tuesday in January.

The Buffalo Florists' Club bowled at Oertels alleys on Thursday evening, Dec. 1, making the following scores in three ten frame games:

Neubeck	175	161	133
Grever	123	129	121
P. Taylor	105	132	102
Savage	112	112	119
	515	534	475
Streit	142	142	126
Cloudsley	212	119	146
Kietsch	125	162	125
H. Taylor	98	98	88
	577	521	485

The Club will bowl every Thursday evening at the alleys, and it is requested that as many members be present as possible. L. H. S.

Richmond, Ind.

Richmond can now boast of a thoroughly uptodate flower shop, situated right in the heart of the business section of the city. Fred H. Lemon & Co. are the proprietors. Fred H. Lemon is a son-in-law of the well-known grower, E. G. Hill, and has taken over the East National rd. greenhouses of the E. G. Hill Co., where he will grow a general line of decorative plants and cut flowers, supplying the store which, by the way, is a new departure for Richmond, and the only cut flower store located centrally in the city, consequently it is attracting considerable attention as well as doing a nice business. J. M.

POEHLMANN BROTHERS COMPANY

WHOLESALE GROWERS OF AND DEALERS IN **CUT FLOWERS**

All telegraph and telephone orders given prompt attention

35-37 Randolph Street, - - - CHICAGO, ILLINOIS

Greenhouses: MORTON GROVE, ILLINOIS

Please mention the Exchange when writing.

Forcing Gladiolus

For Immediate Delivery

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch crop and take up but little room. The following are the best for this purpose:

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.00 per 100; $27.50 per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up, $16.00 per 1000.

Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, $1.25 per 100; $12.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. $1.25 per 100; $12.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladioli in cultivation. $1.00 per 100; $9.00 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK CITY

Please mention the Exchange when writing.

Fine Ferns and Blooming Plants

Securely packed and delivered to the Express Company in good condition, when our responsibility ceases.

FERNS, Bostoniensis, Piersoni, Eleganlissima, Exaltata and **Scollii,** 5 inch 25c.; 6 inch 50c.; 7 inch 75c. and $1.25; 8 inch $1.00 and $1.50; **Specimens** in 9 inch, 10 inch and 12 inch, $2.00, $3.00, $4.00 and $5.00.

SPECIAL VALUE IN THESE.

ARAUCARIA EXCELSA, 5 inch 50c.; 6 inch 75c.; 7 inch $1.00 and $1.25.
ARAUCARIA EXCELSA GLAUCA, 6 inch $1.50; 7 inch $2.50.
CYCLAMEN, Red only, best Christmas seller, 6 inch 50c., 75c. and $1.00.
BEGONIA LORRAINE, 5 inch 75c.; 7 inch $1.50.
AZALEA INDICA, 75c., $1.00 and $1.50.
SOLANUM (Jerusalem Cherries), extra fine, 5 inch, 6 inch, 7 inch, 25c, 35c. and 50c.
ROMAN HYACINTHS, 6 inch 65c.; 8 inch $1.25.

Stock all At. Correspondence invited. Cash with Order.

THE H. WEBER & SONS CO., OAKLAND, Maryland.

Please mention the Exchange when writing.

Azaleas and Begonia Gloire de Lorraine

in quantity for Christmas

AZALEAS, at $6, $9 and $12 per doz.; larger plants, from $1.25 to $5 each.

BEGONIA Gloire de Lorraine, 5-in. pots, 50c.; 6-in. pots, 75c.; and larger plants, $1.00 each.

Satisfaction Guaranteed

JOHN McKENZIE, Florist

North Cambridge, Mass.

Please mention the Exchange when writing.

DAHLIA ROOTS

Whole Field Clumps, at $5.00 per 100 and up. 1000, in 10 distinct kinds, either Show, Decorative or Cactus, our selection of kinds, for $40.00 cash.

CANNA ROOTS

Strong Division, at $2.00 per 100, $12.00 per 1000, and up. **Send for List.**

R. VINCENT JR., & SONS CO., White Marsh, Md.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Indianapolis

Mr. Jas. Meiklejohn was looking after the interests of H. Frank Darrow of New York in Indiana this week.

Frank E. Kegris of Ralph M. Ward & Co. is calling upon the local florists.

W. H. Elverson of New Brighton, Pa., is once more able to be about. Indianapolis was his first stop for several weeks after suffering severe injury through a fall.

Wm. Hamitt and Richard Coots of Bertermann's have returned from a hunting trip in Southern Indiana.

E. A. Nelson is cutting a fine grade of Poinsettias.

John Rieman is unusually busy with funeral work these days.

S. T. Hitz is cutting a large number of good late 'Mums.

The Smith & Young Co. is installing an additional boiler at Cumberland.

Tomlinson Hall Market does not receive many flowers lately; nearly all the choice flowers are ordered by 'phone direct.

The Warren Seed Co., successors to the Swain Seed Co., are extremely well satisfied with their new venture.

Review of the Market

INDIANAPOLIS, Nov. 6.—One of the most troublesome problems confronting the shopmen just now is to obtain a sufficient variety of moderately priced flowers. It is easy enough to buy a large amount arbitrarily, but it is not easy to obtain good marketable flowers at a moderate price.

Cold seasonable weather has a tendency to liven matters in all departments. Counter trade is notably better; so is decorating. Plant trade is beginning to take a firmer hold, as there is more of a constant variety and supply.

It was generally thought that Carnations would be more plentiful this season than ever before, but this is not the case; prices have advanced 1c. to 2c., and flowers are difficult to obtain at that; retail prices range from 60c. to $1.25 per doz.

Roses are retailing well at $1 to $3 per doz. for the various kinds, excepting American Beauty, which range up to $9 per doz. Fine Killarney, My Maryland and Richmond bring $7 to $10 per 100; medium grade bring $3 to $4 per 100; shorts $2 to $3.

The supply of Cattleyas has greatly diminished and few, if any, home grown ones will be available for the holidays; 50c. to 60c. each is the wholesale figure for them.

Lily of the Valley are being generally used for the corsage at $1 a doz. Harrisii Lilies and Callas are cleared up each day without difficulty at $12.50 to $15 per 100. A few late rubrum are still on hand at $7 per 100.

Paperwhite Narcissus are seen everywhere at $3.50 to $4 per 100. Home grown single Violets are not plentiful at 75c. per 100. Eastern doubles are again arriving regularly at $1.50.

Poinsettias and Chrysanthemums may be used for feature window trimming and seem to make an ideal subject for that purpose. The price for the Christmas flower is $1 to $3 per doz. wholesale; double that at retail.

Holly, Laurel, Mistletoe and Michigan berries are being handled in surprising quantities by the seed stores who report an excellent advance sale of them. The florists are doing little with this line of late years except to fill the orders which unavoidably fall to them. I. B.

Benjamin Cartmell

Fred. H. Moore of Devon, Pa., is anxious to ascertain the whereabouts and to hear from the above named party, who is a florist, we understand. Mr. Moore will be grateful to anyone who can assist him to locate Mr. Cartmell.

F. E.—Best Advertising Medium

Increase Your Cut Flower Supply

A few Surplus Bulbs which we are offering at the very close prices noted, while unsold.

At Chicago, Ill.

	1000
Hyacinths:	
White Roman, 11 to 12 ctm.	$15.00
Dutch Roman, Czar Peter	15.00
Mixed Single Bedding, red and white shades	17.50
Tulips:	
Chrysolora, Single	$5.00
Mon Tresor	10.00
Pottebakker, White	9.00
Proserpine	16.00
Princess Marie Anne	6.50
Rosa Mundi	6.50
Yellow Prince	5.00
Parrot Mixed	5.00
Single Early Mixed	5.00
Primrose Beauty, late flowering pink, very fine	15.00
Tournesol, Double Yellow	11.00
La Candeur, Double	8.00
Double Early Mixed	5.00

VAUGHAN'S SEED STORE, Chicago, Ill.

Please mention the Exchange when writing.

ADVERTISERS ARE REMINDED THAT

CHRISTMAS STOCK

SHOULD BE OFFERED FOR SALE **NOW**

as the prudent dealer will have his display ready for customers fully two weeks before Christmas.

To assist advertisers we will, until Dec. 17 issue, group all Christmas offerings, so far as in our power, and make a special "Christmas Goods Offering" Index for same. We advise the use of the heading "Stock for Christmas" over your advertisement.

Pubrs. **THE FLORISTS' EXCHANGE**
P. O. Box 1697, N. Y. CITY

SEASONABLE PLANTS

BOXWOOD for Window Boxes, finely shaped plants, $3.00 per doz.

CLEMATIS paniculata, strong plants, $10.00 per 100.

CLEMATIS Jackmani, Henryi and **Mme. Edouard Andre,** 2 years old, dormant plants, $3.00 per doz.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each; 6-in. pots, 4 tiers, 75c. each.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

JERUSALEM CHERRIES, 6-in. pots, full of berries, 20c. each.

HELIOTROPE, Dark Blue and White, 2½-in. pots, $3.00 per 100.

ROOTED CUTTINGS FROM SOIL, $1.00 per 100, of: HELIOTROPE Dark Blue and White, VARIEGATED VINCAS, FUCHSIAS in 4 varieties, GERANIUMS, assorted varieties, Hardy ENGLISH IVY, ROSE GERANIUMS, SNAPDRAGON, White, COLEUS, Ferschaffelti and **Golden Bedder;** Euonymus Radicans and Golden Variegated.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

J. Blaauw & Co. Boskoop Holland

OFFER

Picea Pungens Glauca Koster Compacta

Purest, Bluest Strain, "The Only Real Good Shaped Blue-Spruce in Existence," Clean Stock

Height	Diameter		Height	Diameter		Height	Diameter	
Plants, 15 in. x 12	—15 in.	$30 00 per 100	Plants, 3¼ ft. x 2½ ft.		$2.50 each	Plants, 4 ft. x 2¾ ft.		$3.50 each
" 2 ft. x 1½ ft.		1.00 each	" 3½ ft. x 2½ ft.		3.00 "	" 4½ ft. x 2¾ ft.		4.50 "

Catalogue free on application

Please mention the Exchange when writing.

Christmas Ferns

Ferns from pots only and ready for immediate use. These are extra fine for store trade—perfectly clean and healthy and in excellent growing condition. A sample order will show you just what they are. No order too small for our careful attention.

Bostons, from 6 inch pots, 40 cents each | **Whitmani**, from 6 inch pots, 40 cents each
Bostons, from 7 inch pots, 60 cents each | **Whitmani**, from 7 inch pots, 60 cents each

Very fine stock, will please your customers

SMITH & GANNETT, Geneva, N.Y.

Please mention the Exchange when writing.

SURPLUS STOCK OF CALIFORNIA PRIVET FOR SALE

500,000 CUTTINGS

Strong cuttings, 8 inch, $1.00 per 1000. Delivery after January 1, 1911.
BOXWOOD, 18 inch, $35.00 per 100.

JOHN F. SIMON & SONS, Florists and Nurserymen, BUSTLETON P. O., PHILADELPHIA, PA.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

Orders of the following all booked for December: **Poitevine, Janlin, Viaud, Castellane** and **Ricard**. For January, February, March and April, these will be $12.00 per 1000.

Orders taken for the following: **Nutt, Doyle, Grant** and **Buchner** at $10.00 per 1000. Cash with order.

FRED. W. RITCHY, First & Ruby Sts. LANCASTER, PA.

Please mention the Exchange when writing.

FERNS

From bench, ready for 6-in. pots, **Boston, Whitmani** and **Scottii**, $20.00 per 100.

Asparagus Plumosus and **Sprengeri**, from 3-in. pots, $5.00 per 100.

Dracaena Indivisa, from 3 and 5-in. pots, $4.00 and $12.00 per 100.

FRANK J. REPPA, 19 North Yermont St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

125 New Introductions

by Dr. Franceschi, never before offered for sale in the United States, are described in our Price List No. 2, mailed free on application.

MONTARIOSO NURSERY
Box 1500 SANTA BARBARA, CAL.

Please mention the Exchange when writing.

GERANIUMS

Doyle, S. A. Nutt, Buchner, 2-in. pots, $1.80 per 100; $18.00 per 1000. Ricard, Poitevine and others, 2-in. pots, $2.00 per 100; $20.00 per 1000.

	R. C. Per 100	2-in. Per 100
Feverfew	$1.00	$1.60
Coleus	.60	1.50
Vinca Variegata	1.00	2.00
Ageratum	.60	1.60
Heliotropes	1.00	1.50

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. **MONOGRAM XMAS STATIONERY**, three initials, if wanted, 50c. box. **General printing. Samples free.**

FRED. A. SOTTER, Douglassville, Pa Box 86L

Please mention the Exchange when writing.

Seasonable Plants

1000 JERUSALEM CHERRIES, heavy plants full of berries, from 4, 5 and 6-in. pots, $10.00 and $15.00 per 100.

CYCLAMEN Giganteum, heavy plants, well budded, 3 and 4-in. pots, $7.00 and $15.00 per 100; 6-in. pans, $40.00 per 100.

BOSTON, SCOTTII and WHITMANI FERNS, 4 and 5-in. pots, $15.00 and $20.00 per 100.

PIERSONI FERNS, 3, 10 and 12-in. pots, 75c. $1.00 and $1.50 each.

SILK OAKS, 4-in., $12.00 per 100.

BEGONIAS, Zulu King and Anald Ruga, in bloom, pink and red, 6-in., $2.00 per doz.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Holly and Holly Wreaths

CHOICE HOLLY, dark green leaves, well berried, $3.25 per case, delivered at your place.

WREATHS, 14-in., $1.00 per doz.; 16-in., $1.25 per doz. Four and five clusters of berries made with wire, on each wreath. Terms: strictly cash with order.

BARRETT & CO., SEAFORD, Del.

Please mention the Exchange when writing.

$1.50 per 100, all 2-in. stock

Feverfew, Gem, Ageratum, Salvia, Asparagus Sprengeri: Primula, Officinalis Hybrids; Hardy sweet scented Cowslip; **Primroses**, Obconica Alba, Lilac, Rubra Hybrida, Rosea, Carminea, Sanguinea; **Cuphea, Heliotrope. Rubbers**, 5-in. 25c. to close out. **Paris Daisy**, yellow and white, 2-in. 2c.

Rooted Cuttings by Mail, postage prepaid

Paris Daisy, yellow and white, $1.00 per 100; **Cuphea**, 75c. per 100; **Heliotrope**, 3 kinds, $1.00 per 100; **Alternantheras**, 3 kinds, $4.50 per 1000; **Brilliantissima**, $5.00 per 1000; **Abutilons**, $1.25 per 100; **Hardy Pinks**, 6 kinds, $1.00 per 100; **Fuchsias**, 5 kinds, $1.00 per 100; **Ageratums**, 4 kinds, 60c. per 100, $5.00 per 1000; **Coleus**, 10 kinds, 60c. per 100, $5.00 per 1000.

Cash with order.

BYER BROS.,
Chambersburg, Pa.

Please mention the Exchange when writing.

Geraniums!! Geraniums!!

S. A. Nutt, Beaute Poitevine, Brett, La Favorite, Buchner, Doyle, Brnanti, Viand, Castellane, General Grant and several others, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.

FEVERFEW, 2¼-in. pots, $1.75 per 100; $15.00 per 1000; rooted cuttings, $1.00 per 100.

HELIOTROPE, 2¼-in. pots, $3.00 per 100.

FUCHSIAS, 2¼-in. pots, $3.00 per 100.

COLEUS, 2¼-in. pots, in variety, $2.00 per 100.

ACHYRANTHES Lindeni, rooted cuttings, $1.00 per 100.

Cash must accompany the order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

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THE AMERICAN CARNATION PRICE $3.50
A.T. De La Mare Ptg. & Pub. Co., 2 to 8 Duane St., N.Y.

It will pay you for EASTER

To take advantage of this offer. We have a limited surplus af **First Class Bulbs** which we MUST dispose of as we need room. This stock is of the BEST in the market, and if not satisfactory can be returned at our expense. Offered as long as it lasts at

Less Than Import Price.

Hyacinths

	100	1000
Florists' Best Forcing Sorts, **Named**, large 2d size	$3.00	$25.00
Miniature Dutch Hyacinths, Named, in best sorts, white sorts, rose and light blue sorts	1.25	10.00
Mixed to Color, 15 ctm., extra fine bulbs	1.75	15.00

Tulips

At $5.00 the 1000 the following sorts: **200 at 1000 rate.**
La Reine, Yellow Prince, Chrysolora, Double Alba Maxima

At $6.00 the 1000 any of following sorts:
Artus, Brutus, Duc Van Thol Scarlet, Rose Gris de Lin, Duke of York, Gloria Solis, La Candeur, Le Blason

At $7.50 the 1000
Couleur Cardinal, Cottage Maid, Murillo, Rex Rubrorum

At $10.00 the 1000
Belle Alliance

Mixed Single or Mixed Double Tulips, per 1000, $4.50.

Narcissus

	1000
200 at 1000 rate	
Empress Mother Bulbs	$9.00
Princeps	5.00
Polyanthus, all sorts mixed	6.00
Orange Phœnix	6.50
Silver Phœnix	7.50
Poeticus ornatus	3.50
Poeticns	3.00
Leedsii, named sorts	6.00
Barrii conspicuus	5.00

Spiraea and Gladioli

	Doz.	100
SPIRÆA Gladstone. Extra strong clumps	$1.25	$9.00
SPIRÆA Compacta Multiflora	1.00	6.00
SPIRÆA Astilboides Floribunda	1.00	6.00
SPIRÆA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS Umbellatus, blue	1.50	10.00

Write for prices on **Fresh Asparagus Plumosus Nanus Seed.**

Address

H. H. BERGER & Co.

70 Warren St., New York

Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg Rochester, N. Y.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.

The Retailer



Wreath of Large Flowering Pompon 'Mums and My Maryland Roses
By W. J. Palmer & Sons, Buffalo, N. Y.

The "Sign of the Rose"

In the very heart of the city of "Brotherly Love," situated among the surrounding sky-scrapers on Broad st., said to be the longest straight street in the world, for it stretches away north and south for sixteen miles, and opposite to the Bellevue-Stratford, perhaps the largest and finest hotel in the world, will be found the quaint old English structure of one story and a half, the "Flower Shop" of Charles Henry Fox, one of the florists of Philadelphia who is especially noted for the originality of his ideas as shown in the fitness of his use of flowers and in his effective advertising. This "shop," with its studio, its reception room, and its conservatory, is unique. In front of it, well out over the pavement, swings in the winds a wooden sign, on which is depicted a red Rose. This "Sign of the Rose" is the subject of our illustration and constitutes of itself a most effective advertisement for the enterprising proprietor, for here is an instance where, on account of the nature of the surrounding buildings, the prominent sign is justified, while the artistic method of its design gives it a uniqueness which inevitably fulfills its mission—that of attracting the attention of passers-by.



A Christmas Basket Made Up of a Kentia Palm, Erica, an Azalea and Pteris
By Myer, New York.

"Flowers by Telegraph" — International Floral Association — Incorporated under the Laws of the State of New York — Capital, $50,000.00 — 1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue — Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — 1706 BROADWAY — DENVER, COLORADO — J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura Street

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. Florists — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Arthur Dummett INC.
MOUNT VERNON AND WHITE PLAINS
NEW YORK STATE

J. N. Champion & Co
NEW HAVEN, CONN.
1026 Chapel Street
Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe
IN HEART OF
NEW YORK CITY
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer
NEW YORK
609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard FLORAL CO.
NEW YORK
413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent
NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex McConnell
NEW YORK
571 Fifth Avenue

Charles Henry Fox
The Sign of the Rose
Broad St. below Walnut
Philadelphia.
We deliver to all suburbs of Philadelphia, Atlantic City and all New Jersey resorts.

F. J. Johnston & Co. Florists
PROVIDENCE, R. I.
171 Weybosset St.

J. B. Keller Sons
ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist
SCRANTON, PA.
122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson
ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

SAN FRANCISCO and SOUTHERN CALIFORNIA
Julius Eppstein
The California Florist
SAN FRANCISCO, CALIFORNIA
344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention; exceptional facilities for delivering flowers on outgoing steamers. We cover all California and guarantee satisfaction. Wire us your orders.

Blackistone
WASHINGTON, D. C.
14th and H Streets
Also
1601 Madison Ave. BALTIMORE, MD.
J. Dan Blackistone

Gude Bros Co.
WASHINGTON, D. C.
Florists
1214 F. Street, N. W.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



A Christmas Basket Composed of Erica, Pandanus Veitchii, Dracæna and Pteris
By Myer, New York.

RETAILER'S CHRISTMAS ANNOUNCEMENT

On page 1020, this issue, will be found our advertisement of two very taking forms of Christmas Invitation Announcements, prepared by the publishers of The Florists' Exchange for this special occasion. Read the advertisement and send in your order quickly. Samples furnished on application.

Littlefield Florist.
WORCESTER, MASS.
407 & 409 Main St.

For "Supply" Advertisements see pages 1096-98

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
St. Paul	Dec. 10	10.00 am.	W. 23rd St., N.Y.	Southampton
New Amst'rdam	" 10	10.00 am.	5th St., Hoboken	Rotterdam
Lapland	" 10	11.00 am.	W. 18th St., N. Y.	Antwerp
Prinzess Irene	" 10	11.00 am.	3rd St., Hoboken	Gib-Algiers Naples-Genoa
Duca di Genova	" 10	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
K. Aug. Victoria	" 10	12.00 m	1st St., Hoboken	Hamburg
Minneapolis	" 10	12.00 m.	W. 16th St., N. Y.	London
Cedric	" 10	12.00 m.	W. 19th St., N. Y.	Liverpool
Columbia	" 10	1.00 pm.	W. 24th St., N. Y.	Glaagow
Niagara	" 10	3.00 pm.	W. 44th St., N.Y.	Havre
Roma	" 10	3.00 pm.	31st St., Bklyn	Naples-Mars.
Lituania	" 10		Bush Dks, Bklyn	Libau
K'r W. d. Gr'sse	" 13	10.00 am.	3rd St., Hoboken	Bremen
Adriatic	" 14	9.30 am.	W. 21st St., N.Y.	Southampton
Caronia	" 14	10.00 am.	W. 14th St., N.Y.	Liverpool
La Lorraine	" 15	10.00 am.	W. 15th St., N. Y	Havre
La Gascogne	" 15	3.00 pm.	W. 15th St., N.Y.	Havre
Philadelphia	" 16	10.00 am.	W. 23rd St., N.Y.	Southampton
Pres. Grant	" 17	10.00 am.	1st St., Hoboken	Hamburg
Caledonia	" 17	10.00 am.	W. 24th St., N.Y.	Glasgow
Koenigin Luise	" 17	10.00 am.	3rd St., Hoboken	Bremen
Minnehaha	" 17	10.30 am	W. 16th St., N.Y.	London
Arabic	" 17	11.00 am.	W. 19th St., N.Y.	Liverpool
Mauretania	" 17	6.00 pm.	W. 14th St., N.Y.	Liverpool
Guyane	" 17		W. 44th St., N.Y.	Bord'x-Dunk'k Constant'ple
Themistocles	" 17		—Brooklyn	Piraeus-Smy'a
Noordam	" 20	10.00 am.	5th St., Hoboken	Rotterdam
Vaderland	" 21	10.00 am.	W. 18th St., N. Y.	Antwerp
Teutonic	" 21	3.00 pm.	W. 21st St., N.Y.	Southampton
Rhein	" 22	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 22	10.00 am.	W. 15th St., N.Y.	Havre
Pennsylvania	" 22	11.00 am.	1st St., Hoboken	Hamburg
Volturno	" 22		Pier 38, Bklyn	Rotterdam
Baltic	" 24	12.00 m.	W. 19th St., N. Y.	Liverpool
Minnetooka	" 24	12.00 m.	W. 16th St., N.Y.	London
Chicago	" 24	3.00 pm.	N. Y.	Havre
Floride	" 24	3.00 pm.	N. Y.	Havre
Russia	" 24		Bush Dks, Bklyn	Rot'd'm-Libau
Re d' Italia	" 27	12.00 m.	Gr'nd St. Jer. Cy	Naples-Genoa
Lusitania	" 28	9.00 am.	W 14th St., N.Y.	Liverpool
Samland	" 28	10.00 am.	W. 18th St., N.Y.	Antwerp
Venezia	" 28	3.00 pm.	31st St., Bklyn	Naples-Mars.
D'a D'Abr'zzi	" 29	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
United States	" 29	2.00 pm.	17th St. Hoboken	Copenhagen
La Bretagne	" 29	3.00 pm.	N. Y.	Havre
Mesaba	" 31	9.00 am.	W. 16th St., N. Y.	London
St. Louis	" 31	10.00 am.	W. 23rd St., N.Y.	Southampton
Celtic	" 31	10.00 am.	W. 19th St., N.Y.	Liverpool
From Boston				
Zeeland	Dec. 13		B& M Dks, Char	Liverpool
Anglian	" 16		B & M Dks, Char	London
Bohemian	" 21		B&A Dks, E. Bos.	Liverpool
Corinthian	" 23	2.00 pm.	MysticWhf, Char	Glasgow
Cambrian	" 30		B & M Dks, Char	London
Lake Erie	Jan. 6	1.00 pm.	MysticWhf, Char	Glasgow
Philadelphia				
Haverford	Dec. 10	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 10		24 No. Wharves	Glasgow
Menominee	" 23	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 24		24 No. Wharves	Glasgow
Merion	" 24	10.00 am.	53 So. Wharves	Liverpool
Graf Waldersee	" 28		Alleghany Ave.	Hamburg
Friesland	" 31	10.00 am.	53 So. Wharves	Liverpool
Mongolian	Jan. 7		24 So. Wharves	Glasgow
San Francisco				
Manchuria	Dec. 13	1.00 pm.	1st Street	Honolulu
Chiyo Maru	" 20	1.00 am.	1st Street	Japan
Asia	" 27	1.00 pm.	1st Street	China

PLEASE NOTICE THAT
Items of interest to the Retail Trade are not confined to this page but will be found throughout the entire paper.



"The Sign of the Rose"—Store of Chas. Henry Fox, Philadelphia, Pa.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—On small private place by Hollander, married, no children. Address, T. A., care The Florists' Exchange.

SITUATION WANTED—By florist, strictly sober and industrious; capable of taking charge. Good propagator. Address, T. C., care The Florists' Exchange.

SITUATION WANTED—By florist, first-class grower of cut flowers and pot plants, also Perennial Stock; maker-up. Address, S. G., care The Florists' Exchange.

SITUATION WANTED—By single man as greenhouse assistant on private place. Englishman, well recommended. Forelsham, Shadow Brook, Lenox, Mass.

SITUATION WANTED—As foreman by experienced grower of cut flowers, decorative and bedding plants; experience in cut flower designing and decorating. References. Address, S. H., care The Florists' Exchange.

SITUATION WANTED—By a life experienced grower of Roses, Carnations, Violets, 'Mums, decorative and bedding plants; middle-aged, single, sober, industrious. State wages. Address, T. K., care The Florists' Exchange.

SITUATION WANTED—By gardener, 32, German, on gentleman's private place; well versed in any kind of flowers, greenhouse and landscape work. Please address, stating wages and full particulars, T. H., care The Florists' Exchange.

SITUATION WANTED—By German florist, single, 37, 23 years' experience; good grower of Carnations, Roses, Violets, 'Mums, and all potted plants. Able to take charge. Address, M. N., care Hanlon, 187 East Main St., Waterbury, Conn.

SITUATION WANTED—By Hollander, 25 years of age, single, as greenhouse man; 8 years' experience in the trade. Advertiser would like to learn decorating. Good references. Address, stating wages and full particulars, T. I., care Room 614, 60 Wabash Ave., Chicago, Ill.

SITUATION WANTED—By young man, sober and industrious, experienced in growing 'Mums, Sweet Peas and bedding stock; also a greenhouse builder; hot water and steam fitting, boiler setting of all descriptions, brick and concrete work done. Address, stating wages with board, J. Guizzetti, 22 Broad St., Carlstadt, N. J.

SITUATION WANTED—As foreman for up-to-date greenhouse concern. Advertiser has life experience in producing high-grade cut flowers. Roses a specialty; A-1 propagator of all kinds of greenhouse and nursery stock. Capable to handle large force of men. Address, T. G., care The Florists' Exchange.

SITUATION WANTED—By practical, middle-aged gardener as greenhouse or store man; good all-around plant grower, designer, etc. First-class man on all outside work. Capable of handling outside business in Spring. Advertiser, who is single, strictly honest and reliable, would go South during Winter. Address, "Practical," care The Florists' Exchange.

SITUATION WANTED—By first-class gardener, 24, married, one child, on private place. Advertiser, who has had 7 years' experience, is well versed with growing garden flowers and planting trees and shrubs. First-class references can be furnished. Position as assistant superintendent for a park would be preferred. Address, stating wages and full particulars, R. Y., Box 237, Oyster Bay, N. Y.

SITUATION WANTED—By young married man, 29, temperate, with 12 years' experience in Carnations, Roses, 'Mume, etc.; also some knowledge of designing. Advertiser desires connection with some firm where ability is needed; capable of assuming charge. Good references. Eastern vicinity preferred. Address, stating particulars and wages paid, T. E., care The Florists' Exchange.

Continued to Next Column

SITUATIONS WANTED

Seedsman Wishes Position

The subscriber wishes a position as seedsman. Is familiar with indoor counter work and traveling as well; will furnish full particulars upon application to

J. G. SLATER, 89 Charles St., Boston, Mass.

CARNATION SPECIALIST

Open for position as manager or foreman. One of the leading winners in important classes at the most prominent showe in the country. A grower with a national reputation, successful both East and West. Highest recommendations from the leading specialists. Failure not known, always done well. Only first-class places considered, firms who want to be leaders. My record in a class by itself. Addrees, T. D., care The Florists' Exchange.

HELP WANTED

WANTED—Bookkeeper thoroughly experienced in nursery line; strictly temperate; best of references required. State wages. The Elizabeth Nursery Co., Box 197, Elizabeth, N. J.

WANTED—Married man, thoroughly experienced plant grower, capable to take charge. Must have good references. Address, giving age and address of former employers, N. B., care The Florists' Exchange.

WANTED—A young man for large Rose and Carnation plant, one who can take charge if necessary; single man preferred. Apply with references and stating wages desired to O. L., care The Florists' Exchange.

WANTED—Rose Grower, thoroughly experienced; must furnish the best of references. Excellent position for competent man. Replies strictly confidential; wages $30.00 per week. Address, T. F., care The Florists' Exchange.

WANTED AT ONCE—A man that is thoroughly familiar with growing Christmas, Easter and Spring Stock; must be competent and a good all-around man. Only such need apply. A. L. Miller, Jamaica Ave., Brooklyn, N. Y.

WANTED—Night fireman, single, to take care of two hot water boilers and temperature in greenhouses on private place. Apply, stating references and wages expected, with or without board, F. X. Golly, Box 150, Ramsey, N. J.

WANTED—Young man for large commercial plant where American Beauty Roses are chiefly grown. Position now open. Apply with references and stating wages wanted to O. M., care The Florists' Exchange.

WANTED—Night fireman for steam plant, hours 6 to 6, to work with an assistant who takes care of temperature in houses. Wages, $60 per month. None but an experienced man wanted. Apply with references, Q. N., care The Florists' Exchange.

WANTED—Two men experienced in greenhouse work; able to take charge of sections. Wages $2.00 per day to begin with. Married men preferred. Only those with commercial experience need apply. Address Louis Dupuy, Whitestone, L. I., N. Y.

WANTED—A-1 Rose Grower as section man for two new houses, 30x350 feet (our Rose department) wages $80.00 per month. Will furnish plenty of help. Married man preferred. Steady job for a good grower; only an exceptional grower wanted. This is a good opening for the right man, to whom will be given additional glass if he proves worthy. Address, T. O., care The Florists' Exchange.

WANTED—By large commercial place in the East, married man, thoroughly experienced on making up of funeral work and attending to customers of a general retail trade. Must also understand the shipping of cut blooms to the wholesale markets. One with thorough experience and capable of taking charge of packing room and designing may have a steady position with proper pay. Reply, with references, to T. M., care The Florists' Exchange.

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS—Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $26.00 per 1000. Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Neil, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry II, Sunderbruch, 50c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J.

Continued to Next Column

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUM STOCK PLANTS.—White: Early Snow, Polly Rose, G. S. Kalb, Touset, Poehlmann, Ivory, White Cloud, Eaton, Baby Marguerite. Pink: Pacific Supreme, Rosiere, Shaw, Gloria, Liger, Duckham, Dean, etc. Red: Shrimpton and Cullingford11. Yellow: Golden Glow, Monrovia, Geo. Pitcher, Eaton, Appleton, Golden Eagle, Golden Wedding, Nagoya, Rieman, etc. 50c. per doz.; $4.00 per 100. President Taft, Golden King, Mrs. Kelley, Golden Dome, 75c. per doz.; $5.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

MISCELLANEOUS

PELARGONIUMS—Mrs. Layal, $5.00 per 100, $40.00 per 1000, 2-in. stock. Cash. A. J. Winget, Mansfield, Ohio.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

STOCK FOR SALE—10,000 Hydrangea Otaksa, pot grown, 4-in., $8.00 per 100; 3-in., $5.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

FOR SALE—Aster Seed, grown from Vick's seed: New Upright White, Mikado Pink, Express, Violet and Rose King, $1.00 per ounce, while it lasts. Dr. M. D. Williams, Middleport, N. Y.

STOCK FOR SALE—Chinese Primroses, 4 in., 10c.; Primulas, 4 in., 10c.; in bloom; fine for Christmas. Cyclamen, 4 in., healthy stock, in bud and bloom, 10c. Cash, please. F. B. Rine, Riverview Greenhouses, Lewisburg, Pa.

SWEET PEAS—Strong plants, from 3-in. pots: Christmas Flowering, Spencer and other good forcing varieties, in Pink, White and Lavender, 75c. per doz., $5.00 per 100. Forwarded from Hartford. W. H. Atkins, Burnside, Conn.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piereoni, 6 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

CHRISTMAS PEPPERS, 12 to 20-in. across, 12 to 26-in. high, 75 to 200 fruit to a plant, 6 and 6-in. pots, 15c. JERUSALEM CHERRIES, 10 to 15-in. high, 10 to 15 in. across, 75 to 300 fruit to a plant, 6-in. pots, 15c. Cash please. Riverview Greenhouses, Lewisburg, Pa.

STRONG FIELD GROWN CARNATION PLANTS.

Kanarie Bird, best yellow to date. Every grower ought to have some, $2.00 per dozen, $3.50 per 25, $12.00 per 100. Cash with order.

Henry Schrade,
Saratoga Springs, N. Y.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

JERUSALEM CHERRIES—The dwarf variety, fine plants and full of berries; 4-in., 15c.; 5-in., 25c.; 6-in., 35c.

HYDRANGEA OTAKSA—Pot-grown, 5-in. ready for 7-in., with 4 to 7 flowering shoots, 15c. to 20c.; 4-in., 3 to 6 shoots, 10c.

HYDRANGEA—Thomas Hogg, pure white, resembling snowball, fine bushy plants, 5-in., 15c.; 4-in., 10c.

BEGONIA LORRAINE—Nice, clean stock, 6-in., 75c.; 5-in., 50c.

POINSETTIAS—5-in., 25c. to 35c. each; 4-in., 15c.

SWAINSONA ALBA—Heavy plants in bud, 4-in., 10c.

FERNS—For Fern dishes, $3.00 per 100. Asparagus Sprengeri, 4-in., 10c.

Also a fine lot of Primula Obconica and Chinese in 4-in. pots, just budding, at 12½c. Cash with order, or will exchange for few thousand Nutt, Ricard and Poitevine Geraniums.

JOS. J. SOKOL,
Westville, New Haven, Conn.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $5.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

WANTED — 10,000 Asparagus Plumosue Nanus, 2¼-in. pots or seedlings. Cash price. A. E. Paree,
Summit, N. J.

WANTED—200 Magna Charta Roses, 2 or 3 years old; must be large and strong.
C. H. Campbell,
3501 Germantown Ave.,
Philadelphia, Pa.

WANTED—Field Plants: Primula Verie Superba, Iris Germanica Queen of May, Violets Double English, Hardy Moon Vines (Ipomea Pandurata).
Pallsades Nurseries, Sparkill, N. Y.

WANTED—Geraniums, 2¼-in. pots: S. A. Nutt, Poitevine, Jean Viaud, in exchange for Perennials, Shrubs, Evergreens, Vines. Write us.
The Evergreen Nurseries,
K. M. Van Gelderen, Prop.,
Long Branch, N. J.

FOR SALE OR RENT

FOR SALE—Florist business in Baltimore, Md., western section, doing a profitable business. Good bargain if sold at once. Best of reason for selling. Address, A. Locher, 2025 W. Pratt St., Baltimore, Md.

FOR SALE—Old established retail flower store, located in one of the best centers in Philadelphia, uptown, doing a good business. Good name and reputation; best of reason for selling. Splendid opportunity for right party. For particulars address T. B., care The Florists' Exchange.

FOR SALE—Greenhouse property; ten thousand feet of glass, fully stocked for retail trade, in town of fifteen thousand population in Connecticut; also eight-room house. Address T. L., care The Florists' Exchange.

AUCTION SALE OF GREENHOUSE PROPERTY

Six large new greenhousee and 13 acres of land located on the line of The Lake Shore Electric Railroad Company and on the Maumee and Western Reserve Turnpike in Clyde, Sandusky County, Ohio. Double strength glaes, 500 Garland Gutters with iron supports, 50 horse power Boiler, 350-bbl. Cistern, good stock of plants and flowers, in all respects a most desirable property. Situated in a prosperous and growing town of over 3000 people, cause of sale dissolution of partnership. Entire stock and plant to be sold together between the hours of 1 and 2 o'clock P. M., Dec. 20, 1910, on the premises to the highest cash bidder. Address, Miller & Arlin, Clyde, Ohio.

MISCELLANEOUS WANTS

WANTED—Smoke-etack, 25 to 40 feet, iron or tile. Stafford Floral Co., Stafford Springs, Conn.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO RENT AT ONCE—Greenhouses and some land, preferably in Madison or Chatham, New Jersey. State full particulars in first letter. Clarence A. Mannon, 427 Centre St., Trenton, N. J.

WANTED TO RENT OR Buy—About 5,000 feet of glass; must be in good condition. Address T. N., care The Florists' Exchange.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

SUNDRIES FOR SALE

FOR SALE—1750 feet of 3-in. old boiler tubes. Apply to J. F. Dour, 369 Canal St., New York City.

FOR SALE—Covered automobile delivery wagon. For photo and full particulars write to

H. F. Littlefield,
Worcester, Mass.

FOR SALE—10 section Standard Boiler (Gibbin & Co.) in first-class order; must be sold to make room. Henry Schrade, Saratoga Springs, N. Y.

FOR SALE—Several Lord & Burnham sectional boilers, capacity 3500 ft. 4-in. pipe, tested and complete in every way, equal to new, price $150.00 each, f.o.b. cars, Jersey City, N. J. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J.

AUTOMOBILISTS, ATTENTION — Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.
I. Suesserman, 229 Livingston St., Newark, N. J.

Inch and Quarter Steam Pipe For Sale. 20,000 Feet

At three cents per foot, cash, delivered on cars, Washington, D. C. Guaranteed well threaded couplings, and free from holes and splits. Also two to four inch pipe, very fine, and valve and valve manifolds, all good as new.

FRANK I. WHITEHEAD, Washington Post Bldg. WASHINGTON, D. C.

Please mention the Exchange when writing.

FOR SALE—One new 5-section Metropolitan water boiler, guaranteed to heat 4,000 sq. ft. of glass, $100.00.
One new 6-section, guaranteed to heat 5,000 sq. ft. of glass, $118.00.
One new 19-in. round boiler (water) guaranteed to heat 1,600 sq. ft. of glass, $43.00.
One new 26-in. round water boiler, guaranteed to heat 3,000 sq. ft. of glass, $83.00.
1500 ft. brand new standard commercial black steam pipe at 8c. per ft., all threaded and coupled.
New 10x12 double-thick glass at $1.90 per box; 16x12 double-thick glass at $2.40 per box.
New ventilating apparatus at $23.00 per 100 ft., complete.
METROPOLITAN MATERIAL CO.,
1400 Metropolitan Ave., Brooklyn, N. Y.

PIPE Second-Hand FOR SALE

26,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 3.96c. per ft.
60,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.
5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 6.46c. per ft.
26,000 ft. 2-in. pipe, second-band, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.
All the above pipe is guaranteed free from holes and splits, and in good condition.
All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Landscape Gardening



PROF. CRAIG

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.
Progressive Florists recognize the growing importance of a knowledge of Landscape Art.
Gardeners who understand up-to-date methods and practice are in demand for the best positions.
A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.
250-page Catalog free. Write today.

The Home Correspondence School
Dept. F. E., Springfield, Mass.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Louisville, Ky.

Prospects for coming trade during the holiday season with local florists were never brighter than they are at present, and the dealers say without reserve that the Christmas season of 1910 is going to bring more and better trade than has been in evidence locally for several years past. The local stock of Christmas greens, in Holly, evergreens and Mistletoe, is showing up excellently and a rousing business in Christmas trees is expected, in deference to the old established precedent of Young America.

At the recent Governors' Congress, the chiefs of States were entertained with a big reception at the Seelbach Hotel, when all of Louisville's "400" were in evidence. The decorations for the occasion, which were extremely handsome and profuse, were furnished by Nanz & Neuner, whose new shop, "The Rosery," is now doing a rushing business. Twenty-two tables were required to seat the visiting host at the banquet which followed the reception, and more than 2,000 first quality Chrysanthemums were used by Nanz & Neuner in transforming the Seelbach leather room, dining hall and rathskeller into a veritable floral bower.

Colonel J. D. Carmody, of Evansville, Ind., passed through Louisville a short time ago, calling upon F. Walker & Co. Mr. Carmody was en route to Florida, where he proposes to spend the remainder of the Winter.

Fred W. Creighton, representing Arthur T. Boddington of New York City, recently paid a visit to Louisville, calling upon the local trade.

F. Walker & Co. have ordered a handsome big ice box, with glass sides, from the McCray Refrigerator Co. of Kendallville, Ind. The box will be installed in the front portion of the Walker establishment and will be used to contain and display an assortment of Christmas flowers. H. G. Walker reports "fine business," and that there has been received a big stock of imported vases and jardinières in preparation for Christmas trade along this line.

J. B. Stuessy, a well-known Louisville florist, who is chairman of the convention committee of the Kentucky Society of Florists, has appointed H. G. Walker, of F. Walker & Co., as chairman of the executive committee of the Bluegrass body. Mr. Walker intends to put forth a strong effort to have Louisville appointed as the meeting place for the convention of the Society of American Florists, in 1912. The prowess of Louisville as a city wherein genuine Kentucky welcome and old fashioned Southern hospitality is extended to all visitors is so widely exploited that Mr. Walker feels that the place of the 1912 convention is practically decided. The Gateway of the South ranks second to none as a city from which delegates to scores of conventions in the past have departed, saying "We'll come again next year."

Jacob Schulz, one of the foremost florists of Louisville, recently issued a neat advertising booklet, labeled "The Story of the Chrysanthemum." The book was attractively gotten up to appeal to the Thanksgiving and holiday trade, and contained a short sketch of the mythological origin of the Japanese national flower. The sketch was written in an attractive style and the advertising value of the pamphlet was marked.

One of the handsomest window "trims" that has appeared in local florists' windows for some time was noted on Thanksgiving Day in the big show window of the Schulz Flower Shop, on Fourth ave. The window was thickly carpeted with moss, and on this turf there stood an enormous turkey gobbler, with wings outstretched and head defiantly reared as though in scorn of his approaching doom. The attractive fowl was made of white cotton, glistening with diamond dust, and had been uniquely constructed by a couple of the Schulz employees. The background of the window was filled with mammoth Chrysanthemums, contained in hollowed out Pumpkins, forming a realistic and effective Turkey Day display.

The new Melody Rose, a handsome yellow specimen that made a big "hit" with the local trade, has figured prominently in the decorative work and special orders of Mrs. M. D. Reimers during the past fortnight. Mrs. Reimers is also showing some very handsome Orchids.

The Kentucky Nursery Co. recently completed a big $1,500 packing shed and grafting room, which forms a considerable addition to the establishment, according to Manager Boone Gardiner. Mr. Gardiner expects an enormous business in Christmas trees this season and says that his stock of greens is in A-1 condition. He recently received visits from two gentlemen from "foreign parts," representing the Ouerkerk Company, and Von Selden & Co., of Boskoop, Holland.

P. Bollander, representing P. Bollander & Sons, Tippecanoe, O., recently visited Louisville.

C. L. Brunson & Co., of Paducah, Ky., are doing extensive advertising for holiday business in the Paducah newspapers and report a big volume of orders already received for holiday delivery.

The Morgan Floral Co., of Henderson, Ky., recently filed amended articles of incorporation with the Secretary of State at Frankfort, Ky., increasing its capital stock from $3,500 to $5,000. The incorporators of the concern are C. A. Morgan, E. A. Eckert and William Lambert.

G. D. C.

About Mistletoe

Extract from column news article in the Elizabeth City, N. C., "Independent"

"THERE is a lot in knowing how to gather, select and pack Mistletoe. In this, P. C. Squires and his men are experts. The greater part of the Southern Mistletoe is obtained by cutting down the trees or dropping the bunches from the standing trees. The former wastes the timber and either method wastes the berries.

Squires' men climb to the tops of the tall gum trees where the Mistletoe is most abundantly berried and carefully cut and lower the bunches in baskets to the packer at the base of the tree.

In this way, the Squires' Mistletoe reaches his trade unbruised and with bunches unbroken.

The finest Mistletoe in the world grows in this vicinity and flourishes best on the land that Killicanoe deeded to Durant three hundred years ago with the mark of an arrow and a bow."

The Squires' Selected, All Berried Mistletoe is carefully packed in cases of 20 pounds net each and sent express paid to any Express Point East of Chicago, Ill. . . . . . **for $5.00**

CASH WITH ORDER

Order quickly, Mistletoe shipped any date after Dec. 10th.

P. C. SQUIRES, ELIZABETH CITY, NORTH CAROLINA

Reference: First National Bank, Elizabeth City, N. C.

Please mention the Exchange when writing.

Your Christmas Ferns

Should Be the Very Best Obtainable

WE have extra fine stock to offer you. Pteris Wilsoni, Wimsetti, Victoræ; Aspidium, Holly Ferns, etc. Bushy plants from 2 inch pots, at $3.00 per hundred.

Packing is done with great care and our shipments reach you in perfect order. Liberal count to help offset express charges.

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

MARKS an EPOCH in the HISTORY of ARTIFICIAL LIMBS



MARKS' PATENTS of 1854 to 1905 cover all the accredited improvements in Artificial Legs and Arms and make the Marks' Limbs Peerless. Rubber feet remove jar and make the stump bearings easy. Rubber hands extend the limits of accommodations.

Light, durable and practical. Do not get out of order, and are inexpensive to wear. Over 30,000 in use. 46 highest awards.

A farmer in the Southern States writes that he can pick as much cotton and saw as much wood in a day as any one.

LEWIS C. COX says: "I have used a Marks' leg in spading, ploughing, hauling logs and other hard work. I can walk 25 miles a day. The rubber foot lasts longer and takes less repairs."



Send for **Manual of Artificial Limbs**, containing 416 pages with 724 cuts. Instructions are given how to take measurements and obtain artificial limbs without leaving home.

A. A. MARKS, 701 Broadway, New York, U.S.A.

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

Ribbons

are what you want on every plant, every basket, every bunch of flowers, you send out at Christmas.

Do not let your Stock of Ribbons run low.

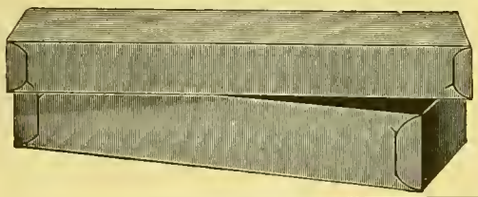
Order now, order from the manufacturer, and get new fresh Ribbons; lustrous, beautiful weaves. Send Postal for samples today. Satin Taffeta Ribbons, Taffeta, Gauze, Fancy Florist Ribbons. High Grade Ribbons only, but at low prices; for you buy direct from the mill and **save all between profits.**

The Pine Tree Silk Mills Co.

806-808-810 Arch Street
52-54 North Eighth Street
PHILADELPHIA, PA.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices

WRITE US

C. C. Pollworth Co.

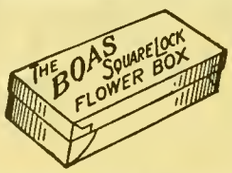
MILWAUKEE, WIS.

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS $1.00 per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass. L. D. Phone Connection.

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX. Order our Special 50-lb. cases of Smilax for your Christmas Trade; only $5.00, and it's fine quality, too.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.50 to $3.00 per doz. Try a few of our Pine Wreaths at $1.50 per doz. They are bargains. First come, first served.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.

Get our **PARTRIDGE BERRIES now.** They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,

All Decorating Material in Season.

Please mention the Exchange when writing.

Prices Advertised for the Trade Only

Retail Notes

MADISON, N. J.—The Model Stemmer Co. has been incorporated to manufacture florists' materials and supplies.

HENDERSON, KY.—The Morgan Floral Co. has increased its capital stock from $3500 to $5000.

OLEAN, N. Y.—Dana R. Herron, florist, opened his new store on North Union st. on November 19, and every caller was presented with a Rose. The store is finished in white and green.

Philadelphia Retail Notes

M. C. Dunn, 618 Chestnut st., reports considerable outoftown trade and some nice funeral work. For the past month his window has been partly obstructed owing to alterations being made to the adjoining building.

Arthur F. MacIver, formerly connected with Graham, Keegan and Habermehl, opened a store at 111 So. 8th st. on Nov. 12. The store is well arranged, and a nice window lends itself to some good displays. Trade has been far in excess of that expected, and much political work is reported. All furnishings were made by the Standard Refrigerator Co.

Edward McGrath, 2307 Ridge ave., reports a fine lot of church work. He has stocked up completely with Christmas novelties, etc.

Wm. H. Smith, 2551 No. Front st., had a very large Thanksgiving Day business, making up a number of designs in addition to a big store trade.

Walter S. Holt, for several years located at 588 Glenmore ave., Brooklyn, N. Y., has opened a flower shop and postcard store at 2850 No. Front st. The store, which was opened about Nov. 1, has two nice windows and is well stocked with all needed supplies. Trade has been good and all hands are busy making up the Christmas stock. Mrs. Holt is sister to "Big Bill Kuebler," well known to New York and Brooklyn florists.

Mrs. C. H. Schick has been located at 1623 Germantown ave. for nearly 20 years. Some nice trade is enjoyed and prospects look very bright for a good Christmas trade. A nice assortment of novelties is now being made up.

Wm. H. Wyatt, 236 No. 13th st., has one of the best stocked stores in this city. A plentiful assortment of Ferns, Palms, Ficus and potted plants, as well as all seasonable cut stock, can always be found here.

Carl Keinath, 1542 No. 27th st., is spending some time in the country owing to illness, and is not expected back for some time. Mrs. Keinath is about to dispose of the business, which has been established several years.

Martin & Co., 2612 Columbia ave., are busy on design work, and report an excellent outlook for the Christmas business, for which they are well prepared.

Wm. H. Le Gierse, 4653 Lancaster ave., had the decorations for the Elks' Memorial services held at the Grand Opera House on Sunday, Dec. 4.

John B. Cella, 2100 Columbia ave., has a store well filled with Christmas stock and believes the coming Christmas trade will greatly exceed that of the previous year.

James Cursham, 1430 Columbia ave., has one of the best lighted stores in his neighborhood, and this helps considerably in enticing trade during the evening.

Joseph Joseph, 1905 Columbia ave., is getting a nice share of business and reports some good design orders.

P. Schembs, 17th st., below Fairmount ave., is making special sales of Ferns, which help greatly in increasing sales of cut stock.

Miss Nora Ohl, of the Primrose Flower Shop, 828 Broad st., had her window dressed with an attractive Thanksgiving Day design, consisting of the ship "Mayflower" filled with Primroses, flowers that always take a prominent part in all her store decorations.

Wm. L. Schaeffer, 237 No. 16th st., reports the best Thanksgiving trade for years, and looks for the best Christmas.

The Glenwood Flower Shop, 2700 Ridge ave., has two nicely decorated windows, and all hands are working upon Christmas novelties. Business has been and is very fair for this season of the year, and Mr. Koch believes the coming Christmas will be a good one for trade. (*Continued on page 1098*)

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address
JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.



KRICK'S
Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN
CUT FLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Fancy Delaware Holly

The foliage is perfect, glossy and dark green, and heavily berried. We personally supervise the packing of all our goods. Delivered by freight to points east of the Mississippi River, $4.00 per case.

HOLLY WREATHS made by experienced makers from best, glossy, dark green Holly, wound with wire on round hoops, with 4 large clusters of berries, 14 in., $10.00 per 100.

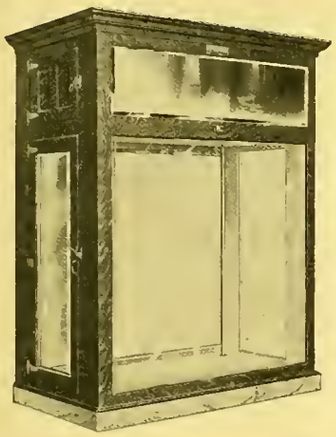
We solicit the placing of your orders early. Special attention given to small orders. Cash with order.

THE H. AUSTIN CO., Felton, Del.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Reliable Supplies for both Wholesale and Retail Florists



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.
267 Lake Street Kendallville, Ind.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX
All Telegraph and Telephone Orders Given Prompt Attention
CALDWELL The Woodsman Company
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**
Place your Christmas orders now, for Holly, Mistletoe, Palms, Pines Magnolia Leaves, and Moss.
Wire or write your wants. Satisfaction guaranteed.
Please mention the Exchange when writing.

BOXWOOD

Sprays | DIRECT FROM SOUTHERN PLANTATIONS. BRIGHT GREEN, FRESH, CLEAN SPRAYS | Sprays

PRICE, PER 100 POUNDS, HIGH QUALITY STOCK $15.00

3 Bushel Sack $1.50 **FANCY GREEN SHEET MOSS** 3 Bushel Sack $1.50

Our Guarantee goes with this stock

PITTSBURGH CUT FLOWER CO.,
121 SEVENTH ST., PITTSBURGH, PA.
Descriptive Booklet Free

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** EVERGREEN THE QUICKEST ALABAMA SHIPPER

Please mention the Exchange when writing.

Bell Phone 2566 Grant
WILLIAM LOEW
Xmas Trees, Wreathing Holly, Moss and Mistletoe
PITTSBURGH, - - PA.
Please mention the Exchange when writing.

GEORGE COTSONAS & CO.
127 WEST 28th STREET NEW YORK
Greens of Every Kind and Florists' Supplies
Telephone 1202 Madison Square
Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK
Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

YOUR 1910
Christmas Announcements

At the Christmas holidays all retailers make special efforts to draw the attention of their customers to the choice stock of plants, flowers, etc., which they have provided for that special occasion. This object can be most quickly accomplished through the use of our Christmas Invitation Folders, of which we have prepared two forms, as follows:

Wreath of Holly, tied with red ribbon, and showing the Holly foliage and berries in natural colors.

A spray of Mistletoe showing the foliage, berries and stems, all in natural colors.

Both designs are very attractive.

The Invitation takes the form of a four page folder, and is printed on fine enamel stock; the four-color design of either Holly or Mistletoe, with "Merry Chris'mas, 1910" being printed on the front page and the announcement on the third page.

Envelopes of fine quality, unprinted, are furnished with each order. Any wording desired will be printed on the third page in black ink, unless otherwise ordered. Delivery F. O. B. New York, at the following prices:

100 Folders and Envelopes, $4.50	500 Folders and Envelopes, $13.50
250 " " " 7.50	1000 " " " 25.00

Each Additional 1000, $22.50

Cash with order, please, if you have no account with us

Purchasere can order half of each design.

A sample set of Invitation Announcements will be sent on request. Address,

THE FLORISTS' EXCHANGE
P. O. BOX 1697, NEW YORK, N. Y.

Plant Culture

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, $1.50.

Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
NOS. 2 TO 8 DUANE ST., N. Y.

THE CHRYSANTHEMUM
By A. Herrington

A complete and comprehensive work on the cultivation of the Chrysanthemum. Handsomely illustrated, 186 pages, 5 x 7 inches. Price only 50 cents, postpaid.

A. T. De La Mare Ptg. & Pub. Co. Ltd.
P. O. Box 1697 - NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY

Reliable Supplies for both Wholesale and Retail Florists

THE FLORISTS' SUPPLY HOUSE OF AMERICA

SIT UP AND TAKE NOTICE

Red Letter Announcement Of All Good Florists' Supplies in Red

RED

LET YOUR WISHES BE KNOWN TO US. WE DO THE REST
PROMPTNESS. NO DISAPPOINTMENT

Baskets for **Poinsettias** in every shape and form to suit all purposes.

Mats for your **Pots.**

Ruscus to give a tone to your **Christmas Work;** it does wonders.

Stars for your **Wreaths,** etc.

Bells from the little fellows up, the kind for your **Araucarias.**

Chiffon to decorate your **Baskets** and put a complete finish to them.

Immortelles. Their uses are many; you know them all.

Immortelle Wreaths. All the sizes, and ready to deliver to your Customers.

Beech Sprays for your **Christmas Decorations,** and your application to your **Wreaths** puts tone to them.

Ruscus Wreaths, the **New Success** among Wreaths.

OUR CATALOGUE COMES TO YOU ON REQUEST

H. BAYERSDORFER & CO., **1129 Arch Street PHILADELPHIA, PA.**

Please mention the Exchange when writing.

Phila. Retail Notes. *Continued*

Rudolph Barth, 11th and Master sts., has his store well filled with all kinds of Christmas novelties, all of which were made long ago, in the dull times of Summer. Mr. Barth can now rest while other florists are hard at work.

John G. Eisele, 1031 Columbia ave., reports that the storage vault made last Summer is proving of great value now, and he can keep stock several days longer than before. This is a "stunt" worth following, especially by the florist far from a base of supplies.

Louis Niemann, 5th st., above Lehigh ave., reports a good sale of Chrysanthemums this Fall, and that he never had a better. At present his store is well filled with Christmas goods, and sales are being made earlier than in previous years. One of the best sellers is the moss wreath.

C. Petersen, formerly of Chicago for a number of years, has opened the flower store at 2312 Frankford ave., occupied previously by Thomas Smith.

W. H. Rieder & Bro., 302 W. Susquehanna ave., is getting some nice decorative work, and is busy on Christmas stock. The Christmas window decoration is one of the features of this store.

Wm. H. Ferguson & Son, 1210 Spring Garden st., reports the best November trade in several years, especially so for Thanksgiving Day.

Jos. G. Neidinger, 1513 Germantown ave., has changed the location of his office and showroom, having taken over his entire building, devoting all of same to manufacturing of numerous supplies for the florist. Several thousand doves are prepared here and this one item is only limited to the number of birds obtainable; it is pointed out that pure white birds are very hard to get. One of the novelties for this season is Japanese chenille, which presents an appearance similar to Immortelles after the frame has been covered with it. Mr. Neidinger obtained this and other novelties on his recent trip abroad.

Aug. Muller, 219 So. 8th st., had a splendid season in Chrysanthemums, all of which he grew. The demand for design work here has been very fair.

Mrs. M. C. Riehs, 1020 No. 5th st., has enlarged her windows and has same nicely filled with Christmas stock, orders for which are coming in very well.

Joseph Riehs, a son of Mrs. Riehs, has returned home for a visit over the holidays, having been West for some time.

Mrs. W. Freeman Eaton, 1108 Girard ave., is now busy preparing for Christmas, and is looking forward to some good trade. She reports some good funeral orders of late.

Chas. Kaelker, 1029 Girard ave., has a nicely arranged store, in which birds, fish and flowers are jointly sold. A nice trade in design work is reported. Miss Edith, long manager here, recently left to engage in married life.

Anna Hursh, 810 Girard ave., has had steam heat installed and her store improved. She reports a good share of funeral work, and a number of wedding decorations.

ORCHIDS-ORCHIDS

We are headquarters for **ORCHIDS.** We Collect, Import, Export, Grow and Sell them *exclusively.* Our prices are moderate and quality of stock A No. 1. The following are a few of those we carry in *established stock:*

AERIDES, in variety.
ANGRÆCUMS, in variety.
BRASSIAS, in variety.
BRASSAVOLAS.
CALANTHES, all kinds.
CATTLEYAS, all kinds.
BRASSO-CATTLEYAS, i nvariety.
LÆLIA-CATTLEYAS, in variety.
CŒLOGYNES, in variety.
CYMBIDIUMS, in variety.
DENDROBIUMS, all best kinds.
DENDROCHILUMS.
EPIDENDRUMS, in variety.
EPI-CATTLEYAS, in variety.
LÆLIAS, in variety.
LYCASTES, many kinds.
MAXILLARIAS, many kinds.
MILTONIAS, in variety.
MASDEVALLIAS.
ODONTOGLOSSUMS, in variety.
ONCIDIUMS, in variety.
PHAIUS GRANDIFOLIUS.
PHALÆNOPSIS, in variety.
PESCATOREAS.
SACCOLABIUMS, in variety.
SCHOMBURGKIAS.
SOBRALIAS.
SOPHRONITIS.
STANHOPEAS.
VANDAS.
ZYGOPETALUMS, in variety.
CYPRIPEDIUMS, in great variety.

Of *Imported* **ORCHIDS** we have received the following in perfect shape: **CATTLEYA GIGAS, HARDYANA TYPE, ONCIDIUM VARICOSUM ROGERSII AND VANDA CŒRULEA.**

We also carry supplies for **Orchid Culture,** such as choice **Peat, Live Sphagnum Moss, Baskets** of all kinds and shapes, and **Books on Orchid Culture.**

CATALOGUES AND SPECIAL LISTS FREE

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

New Bedford, Mass.

Business the past week has been very good. Flowers are none too plentiful just now. Carnations are very scarce, retailing at 60c. and 75c. per doz.; Roses, $1.50 and $2 per doz.; Violets, $1.50 per 100; Snapdragon, 75c. per doz.; Callas, $2 per doz. Some nice Stevia is now coming in, also Candytuft; these help out in design work. Good Ferns sell well, also Cyclamen in pots.

Funeral work has been good the past week.

R. H. Woodhouse had the decorations for the Brown-Hussy wedding at Grace Church, last week; he also decorated the house for the occasion, using immense quantities of Palms, 'Mums and Roses.

Saturday, about 4.30 a.m., a disastrous fire broke out rather mysteriously at Wm. E. Mosher's greenhouses on North st.; the damage amounted to about $2,500 and only the framework of the houses now remains. A cottage to the east of the greenhouses was burned to such an extent that the furniture is hardly of any use. The damage to the greenhouses plants and fixtures is estimated at $1500; to the furniture in the cottage about $600. Mr. Mosher leased the place and his loss comes pretty hard right near the holidays.

We are having good freezing weather; all are getting ready for the Christmas trade. We wish all a good business. Carnations still continue scarce.

HORTICO.

Hartford, Conn.

The annual meeting of the Connecticut Horticultural Society, at which the election of officers for the ensuing year will take place, will be held in the County Building, Hartford, on Friday, Dec. 9, at 8 o'clock p.m.

On Friday evening, Dec. 2, the Horticultural Society was favored with an illustrated lecture by John T. Withers of Jersey City, N. J., an ex-president of the Society, and a former superintendent of public parks of Hartford, on the subject of "The Progress of Horticulture in Various Countries," covering his recent journey around the world, made for the special purpose of studying the most famous parks, playgrounds, trees, shrubs, flowers, etc. The lecture was free to the public, and was given in Hillyer Hall, in the Parish House of the Windsor ave. Congregational Church. Mr. Withers is a landscape architect, forester and tree surgeon of national repute, and gave the Society, free, the benefit of horticultural information obtained in this world wide tour. His lecture was of great interest to the members and the public. Each member wore his button and the officers their badges, and a good deal of advertising for the Society was effected in this way, swelling the number of members from 179 to 200. We are growing fast! H. O. Warner had charge of the lantern. The general public is greatly indebted to Mr. Withers and to the Society for providing this very instructive and useful entertainment. The large hall was packed to the doors, not even standing room.

W. W. Hunt & Co. of Blue Hill ave. and 24 State st., nurserymen, report an exceptionally good season, double the trade of last year. Their fine nursery is stocked with trees of all kinds, shrubs and other hardy stock. There has of late years been a craze for 'old fashioned gardens," where one can have the flowers which delighted our great, great grandmothers. Mr. Hunt has supplied and laid out a great many of these gardens in the past year, as his nursery is stocked with the rare old flowers and plants that delight us all. As the "heeling in" time is past for the present, Hunt & Co. are handling for the holidays Christmas trees, Norway Spruce, which makes the best trees for the purpose, roping, and wreathing, Princess Pine, etc.

The florists have been complaining about business the week after the holiday; but it is natural for a florist to be a "kicker"; there has been quite a lot of funeral work. Roses, Lilies, Carnations and other stock are scarce. Reports are that it was next to impossible to get extra stock to finish out with funeral work last week, but one can generally find it. There is a very pretty green which is new, and I think far superior to Galax or Magnolia for design work, and that is the "Mexican Ivy"; it will stand up longer than the Galax and is more graceful. G. G. McClunie of 175 Main st., has the Eastern agency for it; it is something entirely new and is in fine taste with Roses, etc.

Whiting's Greenhouses, West Hartford, have installed electric lights in the boiler pits, potting sheds, and wareroom; and have had a line of piping laid from the main water pipe to the house of Gustave Peterson, the foreman, so that his house is now supplied with city water.

E. S. Drake, proprietor of the Cedar Hill Greenhouses, reports plenty of work, and 'Mums all cleaned out; but he has some very fine Boston Ferns, Carnations, Stevia and other plants that will be in fine shape for Christmas. Gene says he is thinking of starting a matrimonial agency, having had three of his men get the fever this past year; the last one was John Leivengia, who was married on Saturday, Dec. 3. John has been employed at Cedar Hill for about five years. We all wish him luck. Mrs. Drake has been indisposed for ten days, but is now on the road to recovery.

Mrs. Gains Wm. McClunie is very ill with pneumonia.

Our old friend, Charles Calverley, is with us again, with his trees and greens, a couple of carloads. He reports picking cherries last week.

The Spear & McManus Co. of Asylum st., and Edw. Welch of the same street are stocking up their stores for the Christmas trade. They both have been very busy with coming-out parties in the past week, and as they handle most of the best trade one can imagine what that means.

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NEW YORK, Dec. 7.—In the cut-flower market today the supply and demand are pretty well balanced as regards most stocks. With a little larger demand, some shortages would soon appear, and a little heavier supply would soon result in some accumulations. Indeed there are now accumulations of Smilax and Adiantum. The tendency in general is towards higher prices, except in Narcissus and Hyacinths, where the downward tendency in price is seen. Apparently the growers are making ready to supply, through the wholesalers and retailers, the expected and hoped for rush of holiday trade, and the present time is the calm in the market before the storm.

The supply of American Beauty Roses and the demand for them are very well balanced. Specials are selling at from 25c. to 40c. each, according to quality.

Killarney, both pink and white, and My Maryland are abundant, and the supply of Bride and Bridesmaid is increasing, but Richmond is not plentiful. In a matter of choice, pink Killarney is said to be given the preference to My Maryland. Choice blooms of all the above varieties are now seen, and also of Mme. Abel Chatenay, Mrs. Jardine, and the new Rose, Melody. The prices of top grade blooms of the above are as follows: Killarney, My Maryland, Bride, and Bridesmaid 8c. each; Richmond, Chatenay and Mrs. Jardine 12c. each. It should be noted also that some exceptionally choice Killarney and My Maryland in occasional sales realize 10c. to 12c. each, and Richmond 15c. each.

Carnations are not abundant. There is a fair demand, and prices show an upward tendency. The quality is very satisfactory. The choicest blooms of standard varieties sell for 5c. each, novelties at 6c. each, and a few extra choice selections are said to touch the 8c. mark. The range of price through all grades is from $2 to $6 per 100. Many nice blooms part ownership at $4 per 100.

The Orchid supply is still short, but it is increasing. The demand readily disposes of this supply. The choicest blooms of Cattleyas realize $1 each, Dendrobium Formosum 40c. each, and Cypripediums $1.50 per dozen.

The Gardenia supply is increasing and the demand is keeping pace with the increased supply. Top grade blooms are selling for $4 per dozen; a very few choice selections are said to realize $5 per dozen. On the other hand, as usual, some blooms of very inferior quality realize no more than $6 per 100.

In Lilies, Harrisii are moderately abundant, and are moving better; the price today is $10 per 100, though a few are said to realize as high as 12c. each. Lilium rubrum is moving increasingly well at $10 per 100 for the best of the long stock, and $3 to $5 per 100 for the short.

Callas are again becoming a factor in the market, and meet with a ready sale at $1.50 to $2 per dozen.

There is only a moderate supply of Lily of the Valley, but it is not moving quite as freely as during the last several weeks; the top price for choice stock is $4 per 100.

The Chrysanthemum supply is waning fast and will soon cease to be any considerable factor in the market. A few blooms still realize $2.50 per dozen and from that down to 50c. per dozen.

There is not an over supply of Violets, but they are moving slowly. The top price for specials is 75c. per 100, and the range of price from 40c. to 75c.

There is an increase of the Sweet Pea supply and improvement in quality, and a fair demand at prices ranging from 75c. to $1.50 per dozen bunches.

In Miscellaneous stocks, Narcissus Paperwhite realizes $1.50 to $2 per 100, and white Roman Hyacinths $1 to $1.50 per 100; Stevia 10c. to 20c. per bunch. All three of these are very abundant, and there is imminent danger of an over supply.

In addition to these there are Bouvardia and Daisies at quoted prices.

The situation in greens has been already noted. Asparagus is still the favorite, and seems for many uses to be superseding the old time favorites. Adiantum and Smilax, though the small supply of Adiantum hybridum is meeting with a ready sale at $1.50 per 100.

PHILADELPHIA, Dec. 5.—A snow storm, beginning at 11 a.m. and continuing the remainder of the day, on Monday, did not stimulate business, but in spite of weather conditions, the books and the ice boxes, at night, showed a moderately good day's business.

American Beauty Roses are more plentiful, but the increased demand clears them out nicely at advanced prices. Specials are realizing for the choicest selections as high as 40c. each, but in most sales 30c. to 35c. is the price. Culls and ordinaries bring from $8 to $12 per 100. The supply of all other Roses is only moderate, and Richmond is a little shy. The steady demand uses the supply. In pink Roses it is neck and neck between Killarney and My Maryland, but Killarney is going strong. The new yellow Rose, Melody, is leaping into favor because of its intrinsic value; its keeping qualities are as great as its beauty, and it is a splendid shipper. The choicest blooms of My Maryland, Killarney, Mrs. Jardine and Richmond are selling for 12c. each, Perle for 10c. each, Bride, Bridesmaid and Golden Gate for 8c. each. The lowest grade blooms of all these bring from $3 to $5 per 100.

There is only a fair supply of Carnations, and they are moving nicely at good prices. Mrs. Ward, in some sales, careful selections, has realized 8c. each, but in general is selling for 6c. each, and very few sales of top grade Carnations of all varieties are made at a higher figure than 5c. each. The range of price is from 2c. to 6c. each.

The Orchid supply is only a trifle larger, and the demand easily exhausts it. The choicest blooms of Cattleyas are selling for 75c., Dendrobium Formosum 50c. and Cypripediums 15c. each. Gardenias are more abundant, but the demand increases with the supply and prices are steadily rising; top grade flowers now realize $5 per dozen. The supply of Lilies is somewhat larger, and they are moving well at $10 to $12.50 per 100. There are larger arrivals of Callas, which are selling at the same price as Lilies. Lily of the Valley is not overplentiful, and is moving very well at $2 to $5 per 100. In general, however, $4 is top price.

Chrysanthemums are nearly over. In most sales $2 is top price, with a few sales at $2.50 and $3 per dozen. The Violet situation is about the same, a very moderate supply, and a fair demand. Singles realize 50c. to $1 and doubles $1 to $1.50 per 100. In miscellaneous blooms are seen Bouvardia at $3 to $4 per 100, and Narcissus Paperwhite at the same price; an abundance of Stevia at 25c. to 35c. per bunch, and Sweet Peas at 50c. to $1 per 100. Poinsettias are now coming in at 25c. to 35c. each.

Greens are moving better, especially Asparagus, at quoted prices.

BOSTON, MASS., Dec. 6.—Market conditions are excellent and, with the fine, seasonable weather we are having, there is not much fear but prices will hold good until after Christmas. All crops are rather short, with demand exceeding the supply. Cut stock is of good quality and growers are cutting lighter than a few weeks ago.

Roses are of excellent quality and the demand, if anything, is in excess of the supply, stock being cleaned up at an early hour daily. American Beauty are in fair supply and have a tendency upward. Killarney Roses are the favorites and are quickly picked up at good prices. Bride and Bridesmaid are not popular and go slow. Mrs. Aaron Ward is the most popular of all and is picked up quickly whenever it appears in the market.

Carnations are not over plentiful and are in good demand now that 'Mums are scarce; 3c. to 4c. is the average price, but some choice varieties go as high as 6c.

Violets are still scarce and a few growers are getting choice prices for their flowers.

Chrysanthemums are on their last legs, but those who have good blooms are realizing high prices.

Orchids are in good demand. Cattleyas are rather scarce; Cypripedium Insigne is plentiful.

Gardenias are becoming more plentiful and the demand is increasing steadily at satisfactory prices.

Lilies are rather scarce and prices have advanced. Lily of the Valley is more plentiful but with not much change in price.

Paperwhite Narcissus are quite abundant and going rather slow. Roman Hyacinths are seen in small quantities. Mignonette is in good demand. Stevia is becoming more plentiful and selling well. All green goods are selling well.

There is a good demand for plants. Azaleas are in abundance, Begonia Gloire de Lorraine was never better and is always popular. Poinsettias are plentiful and in good demand. R. C.

CHICAGO, Dec. 6.—Business is all that could be desired; in fact, if there was any greater volume it could not be taken care of at the present time. The supply is about equal to the demand, although occasions arise when some hustling is necessary to secure requirements.

Long stemmed American Beauty Roses continue to arrive in greater abundance than medium and short stock, in which there is a decided shortage. Other Roses are excellent in all lines. Prices remain on a par with those of last week.

Carnations are excellent, and very few are to be found that would not be considered "fancy" at most times, although the quality of the fancy today is superior form and brings 5c. per flower. More Carnations could be sold. Still a few 'Mums linger, although practically over for this season.

Lilies are coming in greater quantities, also Callas. Valley also is excellent and the demand about as usual. Stevia is abundant. Paperwhite Narcissus is coming in more profusely. Sweet Peas, owing to the continued dark days, are a disappointment, coming along very slowly. Mignonette is arriving, with fine large heads, full of bloom, long stemmed and with beautiful foliage. Snapdragon is to be seen in some places.

Violets are good, although there are very few home grown available. Orchids are in greater quantities, but not too great. Gardenas are as popular as ever.

Poinsettias are also seen at some of the houses, although mostly in the plant line.

Staple greens are coming forward, as many will be used to take the place of our Christmas greens, which are exceedingly scarce.

ST. LOUIS, MO., Dec. 5.—The market is in such condition at present that the retailer must hurry to get his daily supply, as everything is limited to only a few hundred, and the commission men clean up early in the day, with nothing left for afternoon sales, and the prices they put before one often takes your breath away; they are at present as high as they ever will be this Winter, so it is foolish for any grower to hold back his stock for Christmas, as he will not obtain a higher price.

There is quite a lot of social work going on, and the large uptown florists say business has at last become steady. The prices at the commission houses look something like this: Roses, from $8 to $10 for choice; seconds, from $5 to $6; shorts, $3 to $4; American Beauty, long, fancy, $3 to $4 per doz.; others according to length of stem. Carnations, from $4 to $5 for fancy stock, and hardly anything sold under $3 per 100. Violets, 50c. to $1 per 100. Lily of the Valley, Roman Hyacinths and Paperwhite Narcissus, from $3 to $4 per 100. Lilies, from $12.50 to $15 per $100. 'Mums from $8 to $20 per 100; quite a few of these latter are still coming in. Ferns have gone up to $2 per 1,000, but prices on all other greens remain the same. ST. PATRICK.

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" extra	15.00 to 25.00	Standard Varieties White	3.00 to 4.00
" No. 1	10.00 to 15.00	Standard Varieties Pinks	3.00 to 4.00
" No. 2	4.00 to 8.00	Standard Varieties Red	3.00 to 4.00
" No. 3	.75 to 1.50	Standard Varieties Yel. & Var.	3.00 to 4.00
Killarney	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties) White	4.00 to 5.00
White Killarney	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties) Pinks	4.00 to 5.00
My Maryland	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties) Red	4.00 to 5.00
Richmond	2.00 to 12.00	*Fancy (* The highest grades of Sta'd varieties) Yel. & Var.	4.00 to 5.00
Mme. Abel Chatenay	2.00 to 12.00	Novelties	5.00 to 6.00
Kaiserin	1.00 to 5.00	Gardenias, per doz.	.75 to 4.00
Golden Gate	.... to	Gladioli	.... to ....
Bride, Maid, fancy—spec.	4.00 to 8.00	Hydrangea	.... to ....
" extra	5.00 to 6.00	Lilies, Harrisii and Longi.	.... to 10.00
" No. 1	3.00 to 5.00	Lilium Rubrum	9.00 to 10.00
" No. 2	2.00 to 3.00	Lily of the Valley	2.00 to 4.00
Mrs. Jardine	2.00 to 12.00	Mignonette, per doz.	.75 to 1.00
Adiantum	.50 to .75	Narcissus	1.50 to 2.00
Croweanum	.75 to 1.00	Orchids, Cattleyas	.50 to 1.00
Antirrhinum (per bunch)	.... to	Cypripediums, per doz.	.... to 1.50
Asparagus, cut strings	.25 to .40	Dendrobium Formosum.	25.00 to 40.00
Plumosus, bunches	.15 to .25	Pansies, per doz. bunches	.... to ....
Sprengeri, bunchea	.15 to .25	Poinsettias, per doz.	.... to ....
Bouvardia	2.00 to 3.00	Hyacintha	1.00 to 1.50
Callas (per dozen)	1.50 to 2.00	Smilax (per doz. strings)	.50 to 1.25
Chrysanthemums, per doz.	.50 to 2.50	Stevia, per bunch	.15 to .20
Daisies	.50 to 2.00	Sweet Peas, per doz. bun.	.75 to 1.50
Ferns, per 1000	1.50 to 2.00	Tulips	.... to ....
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BOX 261, RHINEBECK, N. Y.

New York

The New York Wholesale Florists' Protective Association held its annual meeting at the Earlington Hotel on Friday, December 2. The following officers were elected: Frank H. Traendly, president; W. S. Allen, first vice-president; Joseph Fenrich, second vice-president; Ward W. Smith, secretary; E. C. Horan, treasurer. There has been, since the last annual meeting, a large increase in the membership.

The regular monthly meeting of the directors of the N. Y. Cut Flower Exchange was held at Long Island City, on Saturday, Dec. 3.

The Growers' Cut Flower Co., 41 West 28th st., is receiving a supply of nice Lily of the Valley and American Beauty and Killarney Roses.

The new firm of Siebrecht & Siebrecht, whose announcement is found elsewhere in our columns, have opened up their store at 136 West 28th st., under most favorable auspices, and at a time of year when there should be no waiting for business. Howard Blauvelt is with the new firm, as manager.

Since the strike of the employees of the express companies was settled, the Wells-Fargo Co. has ceased to make the 8.30 a.m. delivery of flowers to the various wholesale cut flower dealers. This company is now making its first delivery to wholesale florists at from 10 to 10.30 a.m., which greatly inconveniences the wholesalers, to whom an early delivery is of great importance. A petition from the wholesalers asking the company to restore the early delivery is being circulated.

Prices Advertised in these Columns are for THE TRADE ONLY—

When Writing Please Mention THE FLORISTS' EXCHANGE.

The real estate column of a daily paper announces as follows: "Horace S. Ely & Co., in conjunction with Ames & Co., have leased to a client of the former the old three-story dwellings, 111 and 113 West 28th st., for W. S. Dunne, for a term of twenty-one years. The lessee will improve the property." It is understood that the lessee is J. S. Nicholas, 37 East 42d st., the well-known florist.

Hilary E. Le Page, of Stamford, Conn., was recently in town calling on Kessler Bros., 138 West 28th st. Mr. Le Page has a large range of glass at Glenwood, near Stamford, where he grows both cut flowers and plants.

Howard Mabie, of Maywood, N. J., is the happy father of a boy baby, which came Monday, November 28.

Kessler Bros., 138 West 28th st., are showing a very full line of holiday plants, among which are noted Marguerites, Azaleas, Jerusalem Cherries, Cyclamens, Bougainvilleas, Primula obconica, Poinsettias, Begonia Lorraine and Ferns in variety.

Frederick Smith is now seen again at his stand at the N. Y. Cut Flower Exchange.

Philip Kessler, 55-57 West 28th st., is receiving now an increased supply of those splendid Callas, and of Lilies.

The four-year-old son of Joseph Fenrich, of Henshaw & Fenrich, 51 West 28th st., who was seriously injured a few weeks ago through having his feet run over by an ash cart, is now improving.

The mother of Joseph Vocke, manager for Wm. H. Siebrecht at the N. Y. Cut Flower Exchange, underwent a dangerous but successful operation at St. Mary's Hospital, Brooklyn, N. Y., on Tuesday, November 29.

Robert Craig, Jr., of Robert Craig Co., Philadelphia, Pa., was recently in the city calling on the trade.

Louis Dupuy of Whitestone, L. I., last week celebrated his 65th birthday anniversary and the 20th anniversary of his wedding. May he be permitted to celebrate very many more is the wish of all his friends. Among the enjoyments of his home, most prominent is the billiard room. In this room, it may be incidentally mentioned, John Donaldson of Elmhurst, L. I., gave, last week, a remarkable exhibition of his skill as a pool player. John doesn't make many "foodles" on the bowling alley, and it is refreshing to learn that he is equally apt with a ball at the end of a stick.

N. Y. Florists' Club

The meeting of the Club on Monday evening next, December 12, should see a large turnout of the members. Election of officers for the ensuing year is the principal business. The following are the nominees for the different offices: President—Joseph A. Manda, John B. Nugent. Vice-president—H. A. Bunyard, J. H. Fiesser. Secretary—John Young, J. H. Pepper. Treasurer—W. C. Rickards, A. R. Kennedy. Trustees, three to be elected to serve two years—I. S. Hendrickson, Frank H. Traendly, Charles Weber, Henry Weissman, John Rassbach, Chas. H. Totty. Secretary Young calls attention to the fact that the points competition for the Hitchings cup is still in progress, and exhibits are expected. He also announces that the E. G. Hill Co. of Richmond, Ind., will stage vases of their new Roses, Sunburst and Rose Queen, varieties which have figured prominently in the Western shows this season, and are of more than ordinary interest to the trade. The N. Y. Florists' Club Bowling Association will bowl at the Albion Alleys, 115 W. 23d st., in the afternoon prior to the Club meeting, and all members are invited to take part in the games.

Boston

The weather has turned considerably cooler since last week. We have had quite hard frost with bright sunny days, just the right sort of weather for this time of the year. Market conditions are excellent and the most encouraging reports come from all over. Many of the crops of flowers are rather light just now, and we expect there will be very little surplus on hand until after the holidays. The growers are beginning to cut light and, in quite a number of instances, the demand exceeds the supply.

Morris Comley of Lexington has had splendid luck with white Bonnaffon Chrysanthemums; he considers it one of the best white varieties to grow and one of the most profitable. It has small foliage and thus can be planted closer in the rows, giving more plants in a house than some of the others. He says it starts slow in the Summer and makes most of its growth late in the Fall. Lady Lenox Cosmos he considers a great acquisition and has had grand success with it this Fall, by growing it under glass, and considers it a profitable plant. He has several houses devoted to Sweet Peas, some of which are flowering well. His Smilax is among the finest coming to the city at this time. He is perfectly satisfied with some of the new Carnations he bought from the Chicago growers last Spring.

Adam Foster of Woburn is a Violet specialist and, although this commodity is very scarce, he is bringing to the market some fine Princess of Wales.

John McFarland of North Easton is again in the market with some grand Gardenias. This is one of his specialties and he does them excellently. He has a large cut of Lily of the Valley of superior quality. Poinsettias, both single and double bracted varieties, are being shipped from his greenhouses now; the bracts are much larger than those usually seen.

Donald Carmichael is one of the leading Carnation growers in Wellesley; he is shipping to the Boston Flower Exchange some excellent grown flowers of all the leading varieties.

Herman Waldecker of Braintree is happy over the arrival of a girl; the stork landed the present on Friday, Dec. 2.

John T. Gale of Tewksbury is shipping to the Boston Co-operative Market some well grown Violets.

Arthur Capers of Wellesley has some excellent Carnations and is shipping heavily. He has a grand stock of Asparagus Sprengeri and finds it profitable.

Malcolm Elliot, who has been with Wm. H. Elliot for the past twelve years as assistant salesman, has gone to Vancouver, B. C. His father is a successful farmer there and he is going to join him and take up that industry. He was always quiet, polite and obliging; his friends wish him much prosperity in the far Northwest.

William Nicholson of Framingham has a superior strain of Mignonette and is cutting some elegant material. There is a splendid demand for it and it sells on sight. He brings sixteen dozen daily to market. Carnation Pink Delight with him is of exceptionally fine quality, large flowers with beautiful color and extra long stems. He is shipping in quantity all the leading varieties. His Stevia is of good quality and in steady demand.

Peirce Bros. of Waltham are cutting some good Cattleya labiata flowers for which there is a good market. They have a grand house of Cyclamen in perfect condition for holiday sales. Azaleas they have by the thousands and are shipping heavily. Their Carnations are better than ever and bearing heavy crops for Christmas trade. They make a specialty of Giant Purity Freesia and, in a few days, will be able to cut in quantity. They are also heavy growers of Poinsettias. With their two auto trucks they not only supply the Boston market but many other New England towns.

Edward Rogean, at the Boston Flower Exchange, is handling in quantity excellent Paperwhite Narcissus for H. H. Vose of Hyde Park. He has also nice pans of Asparagus plumosus, good Cyclamen and nicely fruited Peppers.

Frank P. Putnam of North Tewksbury is shipping to George Cartwright at the Boston Flower Exchange some fine White Enchantress Carnations. His Enchantress are also excellent and so are all the leading varieties he grows. Mr. Putnam is practically a new man in the market but he is shipping remarkably fine stock. His grower is Charles Andersou.

Eber Holmes is cutting some excellent Killarney and Richmond Roses; these are of excellent color, with large buds and long stems, stout and heavily clothed rich, dark, healthy foliage. He is growing Mrs. Aaron Ward Roses and is very much pleased with them and finds them profitable.

W. C. Stickell of Lexington is a large grower of Carnations. He has always been considered in the A-1 class but his flowers this season are unusually good and they are sold as soon as he gets to the market. He is now marketing Enchantress, White Enchantress, Pink Enchantress, White Perfection and other leading varieties.

W. H. Carr, at the Boston Flower Exchange, is handling for W. H. Tomlinson of Dorchester some fine Pink Delight Carnations; he also has some good Whitmani and Boston Ferns.

Nelson & Johnson of Framingham are cutting good Sweet Peas, also among the best Violets that come to town. They are shipping large quantities of the following Carnations: White Perfection, Fenn and Beacon. Their goods are handled at the Boston Flower Exchange by salesman W. A. Hastings.

The Exeter Rose Conservatories is shipping to J. S. Mauter at the Boston

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

J. KOPELMAN

Wholesale and Commission Florist

25 Washington St., Providence, R.I.

GREENHOUSES, OAKLAWN, R.I.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 5, 1910	Pittsburgh Dec. 6, 1910	NAMES AND VARIETIES	Boston Dec. 7, 1910	Detroit Dec. 6, 1910	Cincinnati Dec. 5, 1910
25.00 to 35.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	30.00 to 40.00	35.00 to 50.00	30.00 to 40.00
15.00 to 18.00	20.00 to 25.00	" extra	15.00 to 25.00	20.00 to 30.00	20.00 to 25.00
10.00 to 12.00	10.00 to 15.00	" No. 1	10.00 to 12.00	15.00 to 20.00	—— to 12.00
6.00 to 8.00	4.00 to 8.00	" No. 2	..... to ——	4.00 to 12.00	..... to ——
4.00 to 10.00	4.00 to 12.00	Killarney	4.00 to 12.00	4.00 to 10.00	4.00 to 8.00
4.00 to 8.00	4.00 to 12.00	White Killarney	4.00 to 12.00	4.00 to 10.00	4.00 to 8.00
..... to	3.00 to 8.00	Bride and Bridesmaid	4.00 to 6.00	3.00 to 10.00	4.00 to 6.00
..... to	..... to	Mrs. Jardine	—— to ——	—— to	..... to .....
..... to	4.00 to 10.00	My Maryland	4.00 to 12.00	4.00 to 10.00	3.00 to 6.00
4.00 to 10.00	6.00 to 12.00	Richmond	4.00 to 12.00	4.00 to 12.00	4.00 to 5.00
4.00 to 6.00	3.00 to 8.00	Perle	..... to ——	—— to	—— to .....
—— to	..... to	Golden Gate	..... to ——	..... to	2.00 to 4.00
4.00 to 6.00	2.00 to 6.00	K. A. Victoria	..... to	4.00 to 12.00	..... to .....
..... to ——	..... to	Adiantum	.75 to 1.25	.75 to 1.50	..... to .....
..... to	—— to	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	..... to 10.00
..... to	..... to	" Sprengeri, bunches	25.00 to 50.00	20.00 to 30.00	—— to ——
..... to ——	—— to	Bouvardia	..... to ——	..... to	—— to .....
..... to 12.50	—— to ——	Callas	..... to	..... to 15.00	..... to .....
..... to	..... to	Carnations—Inferior grades, all colors	1.50 to 3.00	—— to	..... to .....
..... to 4.00	3.00 to 4.00	Standard Varieties: White	1.50 to 3.00	2.00 to 3.00	4.00 to 5.00
..... to 4.00	3.00 to 4.00	Standard Varieties: Pink	1.50 to 3.00	2.00 to 3.00	4.00 to 5.00
..... to 4.00	3.00 to 4.00	Standard Varieties: Red	1.50 to 3.00	2.00 to 3.00	4.00 to 5.00
..... to 4.00	3.00 to 4.00	Standard Varieties: Yellow and var.	1.50 to 3.00	—— to	—— to ——
—— to 5.00	..... to 5.00	*Fancy: White	3.00 to 4.00	3.00 to 4.00	—— to ——
—— to 5.00	..... to 5.00	*Fancy: Pink	3.00 to 4.00	3.00 to 4.00	—— to ——
..... to 5.00	..... to 5.00	*Fancy: Red	3.00 to 4.00	3.00 to 4.00	—— to ——
—— to 5.00	—— to ——	*Fancy: Yellow and var.	3.00 to 4.00	..... to ——	—— to ——
..... to	12.50 to 15.00	Chrysanthemums, ordinary	..... to	5.00 to 10.00	15.00 to 18.00
..... to 25.00	..... to 20.00	" fancy	15.00 to 25.00	12.00 to 25.00	..... to .....
..... to .75	1.00 to 2.00	Daisies	—— to 1 00	..... to ——	—— to .....
..... to .25	—— to .20	Ferns, hardy	—— to	..... to .15	..... to .15
..... to .20	—— to .12	Galax, green and bronze	—— to	..... to .12	—— to .10
—— to ——	—— to 6.00	Gardenias, per doz	2.00 to 2.50	..... to	..... to .....
..... to ——	..... to	Lilac	..... to	..... to	—— to .....
—— to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	—— to 15.00	..... to .....
—— to 3.00	3.00 to 5.00	Lily of the Valley	..... to ——	3.00 to 4.00	..... to .....
..... to	—— to ——	Mignonette	..... to	2.00 to 4.00	..... to .....
—— to	3.00 to 4.00	Narcissus	..... to	—— to	—— to .....
..... to	..... to 75.00	Orchids—Cattleyas	40.00 to 50.00	..... to 50.00	..... to ——
—— to ——	—— to	Cypripediums	..... to	10.00 to 15.00	—— to .....
—— to	..... to	Dendrobiums	—— to	..... to ——	—— to .....
..... to 25.00	15.00 to 25.00	Pointsettias	..... to	..... to	—— to .....
—— to 1.80	..... to 1.80	Smilax, (per doz. strings)	—— to ——	—— to 1.80	—— to ——
..... to .75	1.00 to 1.50	Sweet Peas	.50 to .75	.50 to .75	—— to 1.00
..... to 1.00	—— to	Violets, single	..... to	.50 to 1.00	—— to 1.00
..... to 1.00	.50 to 1.00	" double	—— to ——	.50 to 1.00	—— to .....

All Cut Flowers in Season

Heller Bros.' Fine Beauties. Market Prices.

Boxwood, $7.50 per case of 50 pounds.

Leucothoe Sprays, 50c. per 100, $4.50 per 1000.

Wild Smilax, $3.00, $4.00 and $5.00 per case.

Fancy Eastern Ferns, $1.50 per 1000.

Galax, Sheet Moss and Sphagnum.

"Manufacturer of Superior Wire Work"

Catalogue for the asking.

E. G. GILLETT

131 East 3rd St., CINCINNATI, OHIO.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

NANZ & NEUNER

(INCORPORATED)

FLORISTS

SEEDSMEN AND NURSERYMEN

LOUISVILLE, KY.

Please mention the Exchange when writing.

PEIRCE BROS.

Waltham, Mass.

AZALEAS CYCLAMEN FERNS AND OTHER CHRISTMAS PLANTS

For particulars address

PEIRCE BROS.

WALTHAM, MASS.

Please mention the Exchange when writing.

BEAUTIES—RICHMOND—MARYLAND
PINK AND WHITE KILLARNEY

The prospects with us are for a large cut of Roses, particularly Beauties, of a fine quality. You can depend on us, no matter what grade of stock your trade requires.

BOXWOOD, $7.50 per case.

SWEET PEAS 75 cents-$1.00 per 100. | **MIGNONETTE** $5 00-$6.00 per 100.

NEW BRONZE GALAX, $7.50 per case.

WARD'S ROOTED CUTTINGS
ALMA WARD, $7.00 per 100, $60.00 per 1000.
MRS. C. W. WARD, $6.00 per 100, $50.00 per 1000.

Send for our descriptive list of Ward's and other good commercial varieties.

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Dec. 7, 1910	Buffalo Dec. 6, 1910	NAMES AND VARIETIES	Phil'delphia Dec. 5, 1910	St. Louis Dec. 6, 1910
30.00 to 35.00	25.00 to 35.00	Roses—A. Beauty, fancy—special	35 00 to 40.00	25.00 to 40.00
20.00 to 25.00	20.00 to 25.00	" extra	25.00 to 30.00	15.00 to 20.00
12.50 to 15.00	10.00 to 12.00	" No. 1	15 00 to 20.00	8.00 to 10.00
6.00 to 10 00	4.00 to 6.00	" No. 2	8.00 to 12.00	3.00 to 4.00
4.00 to 6.00	4.00 to 10.00	Killarney	3.00 to 12.00	5.00 to 8.00
4.00 to 6.00	4.00 to 10.00	White Killarney	3.00 to 12.00	5.00 to 8.00
3.00 to 5.00	4.00 to 10.00	Bride and Bridesmaid	3.00 to 8.00	..... to .....
..... to	..... to	Mrs Jardine	4.00 to 12.00	..... to .....
4.00 to 5.00	4.00 to 10.00	My Maryland	3.00 to 12.00	5.00 to 8.00
3.00 to 5.00	4.00 to 10.00	Richmond	4.00 to 12.00	5.00 to 6.00
3.00 to 4.00	4.00 to 8.00	Perle	6.00 to 8.00	..... to .....
3.00 to 5.00	..... to	Guideo Gate	3.00 to 8.00	..... to .....
3.00 to 5.00	4.00 to 8.00	K. A. Victoria	..... to	6.00 to 8 00
..... to 1.00	.50 to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	50.00 to 60.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	50.00 to 60.00	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	3.00 to 4.00	..... to .....
..... to 10.00	10.00 to 12.00	Callas	8.00 to 12 50	..... to .....
..... to 1.50	..... to	Carnations—Inferior grades, all colors	2.00 to 3.00	..... to .....
2.00 to 2.50	2.00 to 3.00	Standard Varieties: White	4.00 to 5.00	3.00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Pink	4.00 to 5.00	3 00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Red	4.00 to 5.00	3.00 to 4.00
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Yellow and var	4.00 to 5.00	..... to .....
..... to 3.00	2.50 to 4.00	*Fancy (*The highest grades of Std'd vars.): White	6.00 to 6.00	..... to .....
..... to 3.00	2.50 to 4.00	*Fancy (*The highest grades of Std'd vars.): Pink	6.00 to 6.00	..... to .....
..... to 3.00	2.50 to 4.00	*Fancy (*The highest grades of Std'd vars.): Red	5.00 to 6.00	..... to .....
..... to 3.00	..... to	*Fancy (*The highest grades of Std'd vars.): Yellow and var	5.00 to 6.00	..... to .....
8.00 to 10.00	10.00 to 12.00	Chrysanthemums, ordinary	10 00 to 15.00	..... to .....
15.00 to 25.00	16.00 to 20.00	" fancy	25.00 to 30.00	..... to .....
..... to	..... to	Daisies	1.50 to 2.00	..... to .....
..... to .15	..... to .20	Ferns, hardy	.10 to .15	..... to .....
..... to .10	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
1.50 to 2.25	..... to	Gardenias, per doz	2.00 to 5.00	..... to .....
..... to	..... to	Lilac	.75 to 1.50	..... to .....
..... to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	10.00 to 12.50	..... to 12.50
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	3.00 to 5.00	3.00 to 4.00
..... to	2.00 to 4.00	Mignonette	2.00 to 3.00	..... to .....
..... to	..... to	Narcissus	8 00 to 4.00	..... to .....
..... to	75.00 to 85.00	Orchids—Cattleyas	..... to 75.00	..... to .....
..... to	12.00 to 15.00	" Cypripediums	..... to 16.00	..... to .....
..... to	..... to	" Dendrobiums	..... to 50.00	..... to .....
..... to	..... to	Poinsettias	25 00 to 35.00	..... to .....
..... to 2.40	..... to 1.80	Smilax, (per doz. strings)	1.50 to 1.80	..... to .....
.75 to 1.00	.50 to .75	Sweet Peas	.50 to 1.00	..... to .....
..... to	..... to	Violets, single	.50 to 1.00	..... to .....
.50 to .75	1.00 to 1.25	" double	1.00 to 1.50	..... to .....

EDWARD REID
Wholesale Florist
Orchids, Valley, Gardenias, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

Flower Exchange some fine Killarney and Richmond Roses; these find a ready sale as there is a good demand on now.

W. A. Hastings, at the Boston Flower Exchange, is disposing of some extra fine Carnations for P. and W. O. Jahn of East Bridgewater. The varieties Beacon and Fenn are of superior quality. Their Dorothy Gordon is of very high quality and shows fine culture. R. C.

Prices Advertised in these Columns are for THE TRADE ONLY

Philadelphia

Today, Tuesday, the snow which began falling on Monday morning is increasing fast. It has already covered the city with a white blanket, and is rendering transportation difficult and slow, especially in the narrower streets. Business today in the wholesale cut flower district, and with the florists is a little slow, but every one expects that this real coming of Winter will increase the indoor festivities and stimulate the buying of flowers.

As a result of careful inquiry, it appears that both cut flower and plant growers will be able to supply the holiday market with goodly numbers of choice blooms and plants, but anything like a deluge of stock is unlikely, and, on the other hand, it is already quite evident that there will be shortages in some plants and blooms. Early arrangements as regards orders will help wholesalers, and prevent many disappointments.

P. M. Read, who has acted as traveling representative for the EXCHANGE, is now calling on the retail trade as florist supply salesman for the S. S. Pennock-Meehan Co.

Recent callers on H. Bayersdorfer & Co. were Mr. and Mrs. A. B. Ellsworth, Allentown, Pa.; R. C. Bridgham of Boston, and Mr. Gibbs, of Gibbs Bros., Lynn, Mass. H. Bayersdorfer & Co. are making ample arrangements to supply their holiday trade so that there may be no disappointments. Orders may be sent in any hour of the night as well as day. The demand for goods is greater than ever before in the history of the firm, and everything indicates a tremendous holiday business. The steamers Palanza and Lapland, which arrive next week, will bring large additional supplies of holiday goods.

The decorations of the twenty-two booths, and also the general decorations at the "Feast of Booths," which opened Saturday night, Dec. 3, at the Grace Baptist Church, and will continue till Dec. 12, were furnished by James Walsh, 211 South 3d st., Camden, N. J. Rustic work, with natural greens and flowers, were used, and the effect was very pleasing.

The wife of Wm. C. Smith, the florist at 61st and Market sts., died on Wednesday, Nov. 30.

Charles Henry Fox, at the Sign of the Rose, South Broad st., is making an attractive window display this week of Madame Petrick Azaleas, in canoe Birch tubs.

Among recent callers on the Leo Niessen Co. were Ernest Ashley and Charles Horn of Allentown, Pa., and Miss L. H. Dundore, who recently engaged in the florists' business at Lancaster, Pa. This company's supply of Mrs. C. W. Ward Carnations is one of the heaviest arriving in this city, and they meet with great favor among buyers.

Edward Reid expects to be well established in his new quarters at 1619 to 1621 Ranstead st. by Dec. 15.

The following were callers this week upon the Robert Craig Co., 4900 Market st.: Thomas Roland, Nahant, Mass.; A. Leuthy, Boston, Mass.; and John E. Haines, Bethlehem, Pa. W. P. Craig is now on a Western trip. The Christmas sales of this company are already very large.

James Brown of Coatesville, Pa., was a recent caller on the S. S. Pennock-Meehan Co. A bunch of Melody Roses, which were brought to the store of this company on Nov. 17, were seen in the ice box on Dec. 5, and were still in good condition.

The Two Killarneys

From now till after the Holidays, Christmas especially, we'll have some of the Choicest Stock ever produced, splendid long heavy buds, stems and foliage fine, in large quantities and any lengths.



For the coming week we offer them:

SPECIALS $17.00 per 100
FANCY $12.00 per 100
EXTRA $10.00 per 100
FIRSTS $8.00 per 100
SECONDS $6.00 per 100

Christmas Greens, write for our Full List

P M QUALITY

TWO SPLENDID NEW ROSES
MELODY AND DOUBLE KILLARNEY
Orders booked in rotation, deliveries during March
Write for our Descriptive List and Prices

S.S. Pennock-Meehan Co.
THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
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Wholesale Prices of Cut Flowers, Chicago, Dec. 6, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 5.00
30-inch stems.. "	3.00 to 4.00
24-inch stems.. "	.... to 3.00
20-inch stems.. "	.... to 2.50
18-inch stems.. "	.... to 2.00
12-inch stems.. "	.... to 1.50
8-in. stems and shorts "	.... to 1.00
Killarney	4.00 to 6.00
" extra	8.00 to 10.00
White Killarney	8.00 to 10.00
Richmond	6.00 to 10.00
My Maryland	6.00 to 10.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	3.00 to 4.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	5.00 to 7.00
Chatenay	4.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	6.00 to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.75 to 1.00
Asparagus, bunch	.35 to .50
" Sprengeri	.35 to .50
Callas	.... to 15.00
Chrysanthemums, doz.	2.00 to 2.50
" fancy doz.	.... to 5.00
Daisies	.... to ....
....	.... to ....

CARNATIONS	
Standard Varieties: White	2.50 to 3.00
Standard Varieties: Pink	2.50 to 3.00
Standard Varieties: Red	2.50 to 3.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy: White	4.00 to 5.00
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*Fancy: Yel. and Var.	.... to ....
* The highest grades of Sta'd varieties	
Ferns, hardy, per 1000	.... to 2.00
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Lily of the Valley	4.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	3.00 to 5.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	60.00 to 75.00
" Cypripediums	15.00 to 20.00
Panales	.... to ....
Smilax	12.00 to 15.00
Stevia	1.50 to 2.00
Sweet Peas	.75 to 1.00
....	.... to ....
Violets, single	.75 to 1.00
" double	1.50 to 2.00
Gardenias	25.00 to 35.00
....	.... to ....
....	.... to ....
....	.... to ....
....	.... to ....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
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Wholesale Florists
Valley, Carnations and Roses
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On Monday, November 28, was celebrated the marriage of Frank L. Polites, 1418 Chestnut st., and Miss Ourania Louisa, of Athens, Greece, in Musical Fund Hall. The ceremony, conducted by the Rev. Demetrius Petrides, of the Evangelosmos Greek Orthodox Church, was picturesque, unique and beautiful. At the end of the ceremony the priest took two wreaths of Lily of the Valley and placed them on the heads of the newly married pair.

Chicago

Chicago Florists' Club

The Chicago Florists' Club held its regular monthly meeting on December 1, at the Union Restaurant. There was an unusually large attendance on account of its being the night for nominations of officers. Nominations were as follows: For president, H. E. Philpott; vice-president, A. C. Kohlbrandt; secretary, A. T. Pyfer; treasurer, E. F. Winterson; trustees, H. N. Bruns, A. Henderson and J. P. Degnan. After the meeting all the members were invited to step into the dining room, where a most elaborate supper was served, all present being the guests of president-elect Philpott. President Asmus was toastmaster, and toasts were responded to by the present officers, and those nominated. The table decorations, of Roses, Carnations and Ferns, were superb. The Chicago Carnations Co. exhibited a vase of Washington Carnations, excellent blooms, with long, stiff stems, and flowers of a beautiful, distinct cerise coloring. The exhibit was awarded the Club's certificate of merit.

R. A. Smyth of Benton Harbor, who was in charge of the Michigan exhibit at the recent Land Show, left Chicago the beginning of the past week for his home, to recuperate, returning again on Friday last to take charge of the closing of the exhibit at the show on Sunday night. A seedling Chrysanthemum, very late flowering, a beautifully formed white with a pink tinge, raised by Elmer D. Smith & Co., and called Christmas Gem, was on exhibition at the store of J. B. Deamud Co., last week. It is an exceedingly late variety, the flowers being cut on November 30, and should meet with approval. The stems were well foliaged and stiff, most desirable features.

Edward Mallinson, who has been with C. A. Samuelson for the past two years and a half, was married December 6 to Miss Hanford of Englewood. Mr. Samuelson had the decorations for the wedding, which was a church and house affair. After a short honeymoon the newly wed couple will reside at 6410 May st., Woodlawn. Congratulations from their many friends in the trade are extended.

A daughter arrived in the home of D. J. Murphy on Friday last. Mother and child are both doing well.

H. E. Philpott left on Sunday for his home in Winnipeg, and says he will, as president, be present at as many meetings of the Chicago Florists' Club as he was while filling the office of vice-president.

Anton Then, father of Anton Then, Jr., the florist, died on Thursday at the advanced age of 82 years. The funeral was held on Sunday. The deceased was also father of Michael Then, gardener for E. H. Grossman, and is survived also by a third son and a daughter.

Wietor Bros. are cutting both pink and white Killarney Roses in tiptop shape. Their American Beauty have never been better. The prospects for Christmas stock with them is good, although if the present dark weather continues it will reduce the quantity as well as quality.

The A. L. Randall Co. is receiving Poinsettias of an exceptionally large size; Stevia is also an attractive seller.

At Vaughan's Seed Store the regular importations of Spiræa and Lily of the Valley are being distributed. The first carload lots of Holly arrived December 3, and looked well. Snowstorms East and West have lessened the already slim chances of an additional supply of bouquet greens for Christmas.

The stock of greens and Christmas trees that arrived last week by the schooner Rouse Simons, docked at the southwest corner of Clark st. bridge, was disposed of rapidly. Captain H. Schieneman, who has brought in loads for 32 years, reports an exceedingly marked shortage this season.

Bassett & Washburn cut their last 'Mums last week. The long stemmed American Beauty Roses that are arriving have never been better. The firm are cutting as many as 1000 long stemmed flowers each day. Short stock is not so plentiful in this line. Mr. Washburn says their November business was excellent.

Vaughan & Sperry are handling some extra fine home grown Violets. Some grand Cattleyas are also being received at this house, as well as extra stock in all other lines of flowers.

The Poehlmann Bros. Co. is cutting some fine blooms of Cattleya Trianæ which meet with a ready sale. The prospects of this company are for a large and excellent grade of stock in all lines for the holidays.

Manager Pyfer of the Chicago Carnation Co. says they do not have time to unpack their shipments of Carnations before they are all snatched up. This is the one line of flowers that is at present the most sought after.

The J. B. Deamud Co. is still handling some fine flowers of the 'Mum Christmas Cheer. The company is daily receiving increased shipments of Cattleyas, Phalænopsis and some extra fine plants of Jerusalem Cherries.

Wm. Hoerber of Hoerber Bros. says that with all their additional glass they are not cutting nearly enough stock to fill their shipping orders. They are receiving some high grade Killarney Roses, also fancy stock of Carnations in several varieties.

Tim Matchen of Peter Reinberg's says that the American Beauty Roses received by them at the present time are unusually fine in foliage, stem and coloring of flowers. Their Killarneys and Richmond are improving with each cut.

Chas. McKellar says the shortage of Cattleyas is at an end for a time, as several varieties are now on crop.

Henry Wietor and party left on Sunday on a hunting trip to Cascade, Ia., expecting to return with a good supply of moose and deer. They will spend two weeks on this expedition.

Some of our florists were busily engaged on Monday making floral pieces for the City Hall, when Council sat and the newly elected were sworn to office. Our County Commissioner, J. H. Mendel, was well remembered, not at the City Hall alone, as many wholesalers had his picture, decorated with American Beauty Roses, displayed at their respective places.

A. Miller, representative of Skidelsky & Irwin, Philadelphia, spent a week in Chicago, recently, visiting various growers. He paid a visit to our florist friends in Milwaukee and found stock in remarkably fine shape.

Wm. P. Craig of Philadelphia spent several days in town.

We are glad to note that T. E. Waters is again at his post, having been laid up for several days from the effects of a nail in the foot.

The morning papers of Tuesday state that never on an occasion when newly elected politicians were sworn into office has there been such a profusion of flowers as when the new Councilmen were installed this year. Over $12,000, it was estimated, was spent to turn the offices into bowers in honor of the elect. The denuded walls of the City Hall were hidden by lavish floral displays. Huge masses of Roses and Chrysanthemums, great set pieces, floral balances for the judges, floral brooms, horseshoes, roosters, and stepladders for the County officers filled the rooms. One of the most profusely decorated offices was that of the County treasurer, Wm. L. O'Connell. It was so filled with blooms that the callers had to be received in an outside room. Outside the corridor stood a gigantic floral rooster on a great floral pedestal, and its head touched the 12-ft. ceiling. The market was drained in all directions to fill the demand, and the growers were kept busy telephoning to their greenhouses to cut stock as close as possible. It was certainly a day to be remembered for some time to come.

Visitors

E. L. Page, Greene, N. Y., L. W. Wheeler, of Peters-Wheeler Co., Hollister, Cal.; Ralph Latham, Minneapolis, Minn.; Mr. and Mrs. E. A. Fetters, Detroit; A. C. Kendall, Cleveland; J. Young, St. Louis.

Washington, D. C.

Business seems to have assumed normal proportions for the season, as compared with other years, and prospects are good for a lively Christmas trade. The stores are slowly getting into Christmas attire, and much activity is noticed in preparing wreaths and other nonperishable ornaments, in order to be ready when the rush comes. There seems to be quite a good deal of stock on hand among the growers, and the qualities in many cases are above the average at this season. Violets are scarce, in spite of a better demand than usual; the market here seems to be relying chiefly on Violets from New York, and nobody appears to get enough to fill orders.

One of the most elaborate decorations ever put up at the White House was seen on Wednesday, when Miss Helen Taft made her début. There were masses of flowers everywhere, principally red and pink Roses, with no scarcity of long-stemmed American Beauty. The mantels were banked with Farleyense Fern. Many handsome bunches of flowers were received by the débutante from all over the country, and but few flowers from the White House conservatories even used.

The State Department is negotiating with Japan for the direct importation of a number of Japanese Cherry trees, to replace the trees sent Mrs. Taft and planted on the Potomac driveway, and which had to be destroyed on account of disease.

Archibald Small, brother of J. H. Small, who conducts a large stock farm near Silver Spring, Md., was very severely injured by a boar on Saturday last.

JAS. L. CARBERY.

Publications Received

Bulletin No. 32 of the Nebraska State Horticultural Society is unusually interesting to owners of Orchards, inasmuch as it deals in detail with the subject of frost protection for Orchards, and although written from the standpoint of Nebraska conditions the same ideas, modified in parts, will be found to answer equally well for other States.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 5 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybrids All Colors, in bud and bloom, from 5 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $4.00; from 4 in. pots, $8.00 per 100. Satisfaction Guaranteed.

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1000 CYCLAMEN PLANTS

In 6 and 8 inch pots, 50c. to $1.00 each. Extra fine stock and just right for the holidays.

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DWARF HYBRIDS, Large Flowering, Finest Shades and Colors; strong, stocky plants, ready for shift, 2 in., $1.50 per 100; 3 in., $2.50 per 100.

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Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. PRIMULA Obconica, 5-in., $10.00 per 100. CYCLAMENS, 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. CINERARIAS, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

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Special Bargains

We need room. Liberal extras given for early orders.

CHINESE PRIMROSES, 4-in., large plants, mixed colors, double and single, in bud, $8.00 per 100.
PRIMULA Obconica, 4-in., mixed colors, in bud and bloom, $5.00 per 100. Try them.
BEGONIAS, flowering, 13 varieties, mixed, fine plants, $5.00 per 100.
BEGONIA Vernon, mixed, $3.50 per 100.
SMILAX, 2½-in., extra large, $2.50 per 100.
SNAPDRAGONS, 4-in., pure white, pink or yellow, stocky plants, $5.00 per 100.
CALLAS, from pots, 12-in. and over, tall, $20.00 per 100.
FERNS, large, bushy plants for 5-6-7 in. pots, Boston, Scottii and Whitmani, Elegantissima, etc., 15c., 20c., 25c. each.
HELIOTROPES, 4 varieties, MAROUERITES, 2 varieties, from 2½-in. pots, fine plants, $2.00 per 100.
FUCHSIAS, 2½-in., 6 varieties, including Little Beauty and Storm King, $2.50 per 100.
GERANIUMS, Beante Poitevine, Gen. Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., fine plants from 2¼-in. pots, $2.25 per 100, $20.00 per 1000.
An extra large stock of 2¼-in. plants on hand.

Write for price on quantities.

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DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

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HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.
DRACÆNA Indivisa, 4-in., $10.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C. $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C. $1.50 per 100; pot plants, 2-in., $2.50, 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.
FERNS, Boston, 5-in., 25c. each.
VINCA Variegata, 2-in., $2.00 per 100.

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PIERSONI FERNS, 4-in., 10c.
SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c. each.
DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 5-in., 20c. each.
ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.
CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

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From 3-in. pots, $5.00 per 100.

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NEPHROLEPIS Scholzeli, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.
ASPARAGUS PLUMOSUS, 2½-in. pot plants, $3.00 per 100, $25.00 per 1000.
PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.
ASPARAGUS SPRENGERI, strong 5-in. pot plants, 15c. each.
HELIOTROPE, Purple, in 5 good varieties, $3.00 per 100, $25.00 per 1000.
BOXWOOD, Bush Shape, for windox-boxes or pot sale, very bright foliage and bushy, 10 to 12 inches high, $20.00 per 100; 12 to 15 inches high, $25.00 per 100. Full lines of sizes in both Pyramidal and Natural Bush Forms. Prices on application.
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Obconica alba and rosea, 2½ inch pots	1.50
Obconica gigantea	2.00

ASPARAGUS SPRENGERI, 2½ in. pots, $2.00 per 100.
ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 60c. per 100. Cash please.

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Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	476 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2¾ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
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500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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POT MAKERS FOR 140 YEARS

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

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When the machine is filled within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
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FERTILIZER

For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

Fertilizers of all kinds at wholesale prices.

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St. Louis

We had quite a batch of callers hailing from the Quaker City last week, and they came in rotation like this: William Craig, representing the Roht. Craig Co.; Martin Reukauf, representing H. Bayersdorfer & Co.; S. Skidelsky, of Skidelsky & Irwin. These gentlemen all had Christmas novelties to sell and say they were well pleased with the result of their visits.

Secretary Beneke of the Florists' Club reports that the following florists have sent in applications for membership in the Club: John Held, Otto Sander and Jules Bourdet. The applications will be presented at this week's meeting.

The Mayor will soon send in his statement of new appointments, and the one the local florists are interested in is the office of park commissioner, as a number of them have made application for the office, but the commissionership will hardly fall into the hands of a florist, as it never has. The commissioner appoints his superintendent and he is generally a florist.

It was learned while in the park commissioner's office that George E. Kessler, the landscape architect, will move to this city with his family asd make this his future home. Mr. Kessler is employed by the local park department at a salary of $5000 per year; he is also engaged by the park departments in Cincinnati, Memphis, Denver, Kansas City, Omaha, Indianapolis and Oklahoma City, in the same capacity, as landscape architect and advisory engineer for the park systems, in the cities above mentioned.

The J. J. Burke Floral Co., doing business at Grand & Finney aves., have sold out to the Burns Floral Co., with Miss May Burns as head of the firm. Miss Burns was, until recently, in the employ of Miss Newman at Spring and Olive sts.

The Foster Floral Co., who also run the Paris Floral Co., have decided to give up their store in the Century bldg., and combine the two at Broadway and Olive st., where the Paris Floral Co. is located. It is said that the old stand has been leased by Otto Sander, who is now at Ninth and Pine sts.

The Retail Florists' Association held a special meeting last week as something very important came to a head that had to be settled at once; their regular monthly meeting took place Dec. 5.

At a recent meeting of the executive board of the Horticultural Society it was learned that the loss at the late show will run a little over $1000; the question now arises, will the Society hold another show next year? ST. PATRICK.

San Francisco

The Market

Everything points to December being a busy month for everyone in the trade. Business at the time of writing is exceedingly brisk, and growers are getting nice prices for their stock. In the stores there is a vim and briskness apparent which means good sales for the retailers. The last two weeks or so have been especially conspicuous for fine weather, which has had the effect of improving the quality of Roses and Carnations and stock in general. Carnations are fine, and everything points to their being in full crop at the holiday time; in the stores these flowers are moving well, and some very fine lots are being brought into town daily. The variety O. P. Basset is excellent at present, and I question whether this variety can be seen anywhere in better shape than right here in San Francisco. Roses are now assuming their rightful place in the hearts of the flower buying public and the quality of the stock is better

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Better, Earlier Crops

Sunlight Double Glass Sash reduces to a minimum the labor connected with hot-bed and cold-frame gardening.

You never have to cover Sunlight Double Glass Sash

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The double layer of glass does it
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Between the two layers is a ¾ inch layer of dry still air—a transparent blanket that is better than mats or boards because it never shuts out the light. The plants gets all the light all tha the time. As a result, they will grow faster and become sturdier, will be ready for the market earlier and bring the big prices.

Glass is held in place without putty. Can't work loose, easily replaced

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Write us for details.



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Get these two books

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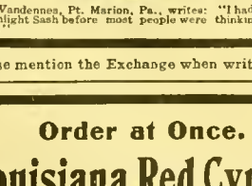

Arthur Vandennes, Ft. Marion, Pa., writes: "I had lettuce under Sunlight Sash before most people were thinking about sowing it."

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For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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ALL SIZES
16x24 A. & B. Double a Specialty
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DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
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Couplings furnished.
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Order at Once. We Can Ship Promptly
Louisiana Red Cypress Greenhouse Material
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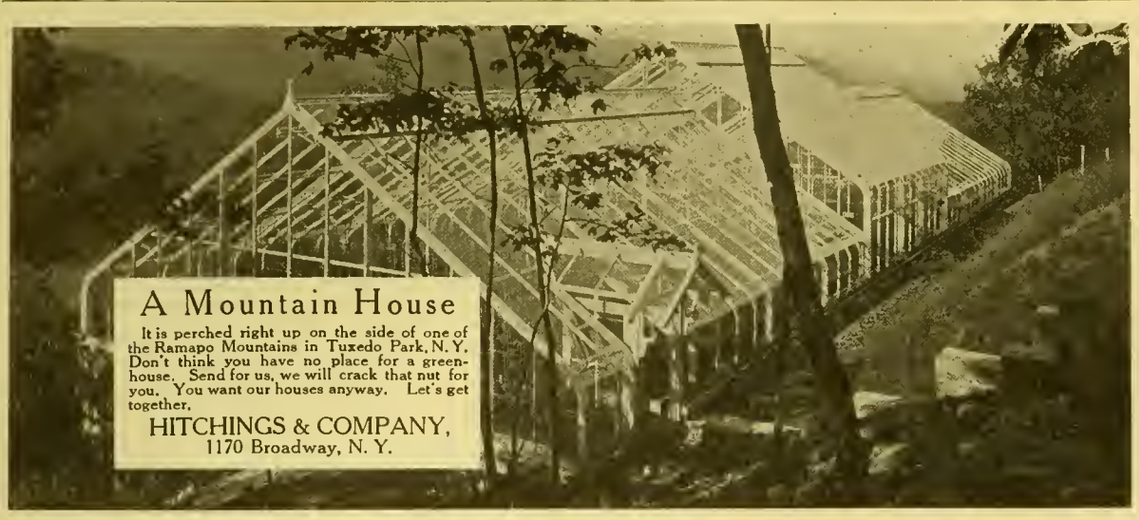

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We have interesting prices

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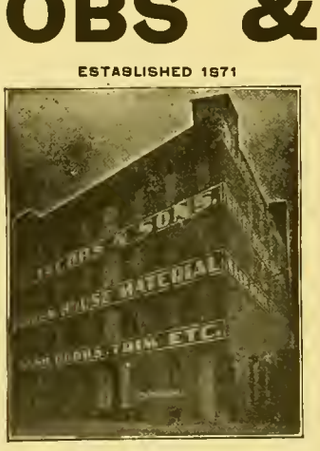
ESTABLISHED 1871



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Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States

OUR NEW VENT APPARATUS Will Lift Easy 100 Feet

GREENHOUSE GLASS

20,000 Bxs. in Stock At Wholesale

Round and Sectional BOILERS

Pipe Fittings, Valves Split Fittings

WE INVITE COMPARISON

DOUBLE LIGHT HOT-BED SASH Requires No Covers

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F. E. BEST ADVERTISING MEDIUM —ALIVE AND UP-TO-DATE

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

than I have seen it for many moons. American Beauty is very fine and moves well. Bride and Bridesmaid are plentiful and of excellent quality. Hyacintha of all sorts are beginning to make their appearance. Romans are abundant and are being used largely in design work. Valley is plentiful and of excellent quality, although it seems to be hard to dispose of. In the Orchid line there is an abundance to pick and choose from. Cattleyas are overabundant, and growers are selling them for 50c. per bloom. Another week or so should see the bulk of the C. labiata crop disposed of, when prices should go up again. Phalænopsis amabilis is to be seen in grand shape in the store windows; this handsome Orchid is undoubtedly one of the finest commercial sorts in cultivation. Green goods are abundant, the quality first class and the demand up to the average.

In the plant line there are lots of offerings to pick and choose from. Azaleas are plentiful and exceedingly well flowered. Primulas of various sorts are being disposed of in quantity, as also are Cyclamens. Lorraine Begonias are better this year than ever before, and there is quite a demand for them. The retailers are busy stocking up with Palms and Ferns and the demand for this line of plants was never better. Taken all round, market conditions are in fine shape, and that they may continue so is the wish of growers and retailers alike.

Various Notes

Alfred Husbands, for some time past with the MacRorie-McLaren Co., has taken a position on the new estate of Miss Crocker, at Burlinghame.

H. Plath is busy at present on his new greenhouse at Ocean View. A fine lot of Liliums at this establishment look well for the holiday trade.

Pelicano & Rossi had a splendid display of cut Orchids in their store windows last week. Business with this concern was never better than at present.

A recent visit to the J. B. Coryell estate at Fair Oaks showed everything in fine shape. The Orchids are just now the principal attraction, one house of Cattleya labiata having over 3000 blooms on show. The plant houses all looked remarkably well, the Crotons especially showing evidence of good culture.

The Shibeley Mann Co. have moved from Polk st. to a more commodious site on Franklin and Sutter sts.

Dr. Parker of Santa Cruz has an exceptionally fine lot of Orchid blooms at present. The Orchids in general at this place are looking well, and well worth seeing.

Podesta & Baldocchi have given up their store on Sutter st., and in the future will carry on their business in their Grant ave. store.

The California Nursery Co. at Niles reports a heavy demand for nursery stock of all descriptions. Several carloads of evergreens, established and otherwise, were shipped last week.

Arrangements are being made by the Pacific Coast Horticultural Society, and the State Floral Society, to hold a Spring show in San Francisco some time in April. No money prizes will be awarded at this exhibition and the entire proceeds of the show will be given to some deserving charity. It is things like these that impress people and show them that the spirit of helpfulness is with us.

MACMILLAN BROWN.

Christmas Greens in Chicago

Never in the history of the business has the Chicago market seen such a scarcity of Lycopodium as exists at the present writing. There is a fair offering of light wreathing but, naturally, stiff prices are asked for same, four cents per yard being the price at present ruling, with indications of an advance before long. It also appears that good Holly will not be in over supply, and dealers generally are of the opinion that the market will see a scarcity equal to that of last year. The shortage of bouquet greens is attributed to the forest fires of the past Summer necessitating going so much deeper into the woods to gather stock, and to snowstorms, occurring earlier than usual, cutting off all chance of picking. It is stated, however, that Wild Smilax will be utilized extensively in place of the Lycopodium, and dealers in same are looking forward to an extra demand, and are ordering their supplies accordingly.

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METROPOLITAN MATERIAL CO.

1398-1408 METROPOLITAN AVE., BROOKLYN, N. Y.



ALL SIZES OF

Hot Water and Steam Boilers

carried in stock ready for shipment. Send for catalogue and prices. We have a few more Second Hand Boilers left.

New and Second Hand PIPE

Any quantity, or cut to sketch.

New Fittings and Tools

At prices paid for old.

A Large Stock New and Old

Single Light Double Light

Hot-Bed Sash

Hot-Bed Frames

Clear Louisiana Gulf Cypress

Greenhouse Material

GLASS in lots of 50 boxes or over at car load prices.



Send for printed matter describing our Sash, Ventilating Apparatus, Bench and Greenhouse Fittings.

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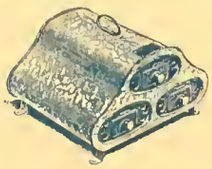
INSURANCE OF YOUR PLANTS FROM FREEZING in cold weather may be obtained at trifling cost if you will use a

LEHMAN WAGON HEATER



There is no danger of fire; no smoke, dirt or gases to injure the plants. They burn **Lehman Coal**, which costs less than half a cent per hour. **350,000 Lehman Heaters** are in actual use which shows they have merit. **Florists everywhere use and recommend them. HAVE YOU ONE? BEWARE OF IMITATIONS!** Write for circular telling more about them today.

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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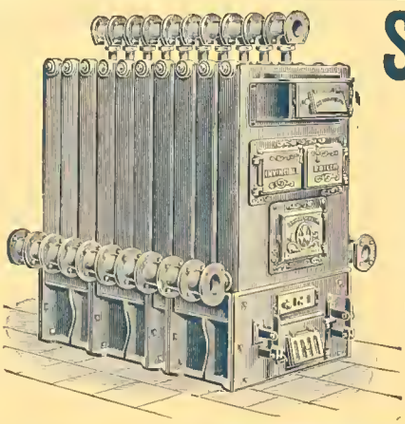

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ARE BEST

For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

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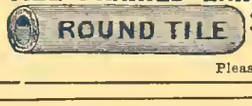
TILE DRAINED LAND IS MORE PRODUCTIVE



Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. **Jackson's Round Drain Tile** meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Portland Cement, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N. Y.

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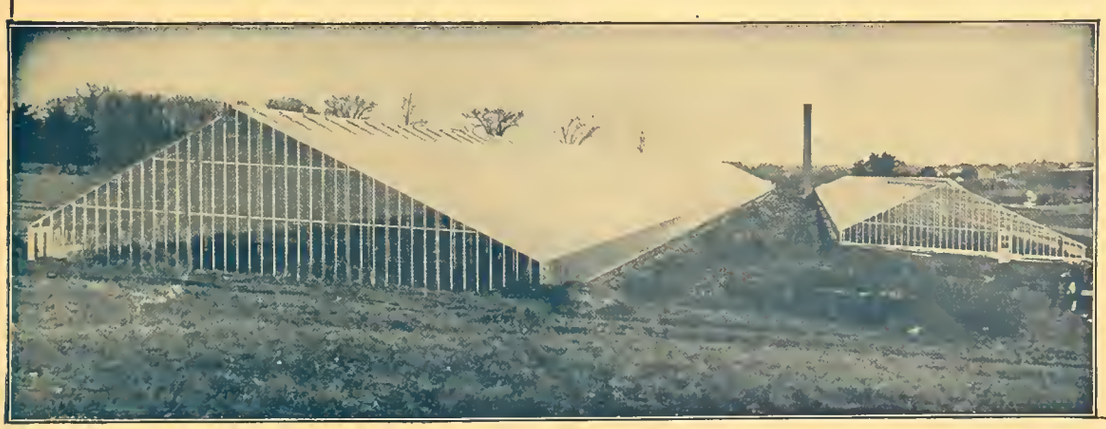

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DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

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PLAN 91

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Is what you have when you are using a **STANDARD PUMPING ENGINE** with direct pressure for your Greenhouse watering, and with a **Pneumatic Tank System** for **Domestic Water Supply**

THE SAME PUMPING ENGINE SUPPLIES BOTH
WITHOUT EXTRA ATTACHMENTS

Even our small sized Pumping Engines keep a plentiful supply of water delivered under high pressure to all the house fixtures, and available at all times for

FIRE PROTECTION

You are doubtless already acquainted with the advantages of the Standard Pumping Engine for greenhouse and garden use, and you know that the **high pressure** attainable only with a Standard Pumping Engine is indispensable for effective spraying and irrigating. It **saves** your men many hours **time** daily, and **saves** you the **money** you are paying for this time.

We shall be glad to send you Our Catalogue and other Literature, which very thoroughly explain all this.

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JOHN A. PAYNE
Horticultural and Heating Engineer
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For Private and Commercial purposes
Send for Circulars and Estimates
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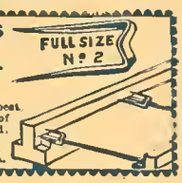
Holds Glass Firmly
See the Point of
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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IRON or WOOD SASH BARS
In all lengths up to 32 feet
Milled to any detail furnished or will furnish details and cut material ready for erection
FRANK VAN ASSCHE, Fulton Ave., Rose Ave. and Dwight Street.
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Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS
N. COWEN'S SON
14 & 16 Wooster Street, New York

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Christmas Present

GET ONE FOR YOUR BOILER

Would Not Do Without Generator at Five Times the Cost

I have put in my piping system according to your plans, and the Generator. The Generator is the best thing that the greenhouse man can get for his heating system, and it has given me the greatest value I ever received for the money I spent. I would not do without the Generator at five times the cost.
S. K. Green, Paris, Ill.



THE KROESCHELL GENERATOR
IT SPEEDS UP CIRCULATION

Kroeschell Bros. Co.
468 West Erie Street
CHICAGO, ILLINOIS

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THE **KING** IDEA IN GREENHOUSE CONSTRUCTION HAS COME TO THE TOP TO STAY, WHETHER IRON FRAME OR SEMI-IRON FRAME FOR COMMERCIAL HOUSES, OR CHANNEL BAR CONSTRUCTION FOR CONSERVATORIES AND PRIVATE WORK.

SEND FOR BULLETINS AND LEARN ALL ABOUT IT.

OUR PIPE HANGERS, SHELF BRACKETS AND VENTILATING MACHINERY ARE THE LAST WORD IN THEIR LINE.

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We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in. pots, $6.00 per dozen; 8-in., $12.00 per dozen; large specimens in 12-in. pans, $3.00 to $5.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in. pots, $6.00 per dozen.

Nephrolepis Scholzeli Fine plants, 3½-in. pots, $2.50 per dozen; 6-in. pans, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per dozen.

Nephrolepis Scottii 8-in. pans, $12.00 per dozen.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cyrtomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

Crotons nice assortment, well colored, 5-in. $9.00 per doz.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BOSTON FERNS

6-inch pans, strong bushy plants..... $0.50 each, $6.00 per doz.
7-inch pans, strong bushy plants..... .75 each, 9.00 per doz.
8-inch pans, strong bushy plants ..... 1.00 each, 12.00 per doz.

ADIANTUM FARLEYENSE

5-inch pots, 75c. each; 5-inch pots, selected, $1.00 each; 6-inch pots, $1.50, $2.00 and $2.50 each.

ADIANTUM CROWEANUM
4-inch pots, $15.00 per 100.

COCOS WEDDELLIANA
3-inch pots, $15.00 per 100.

FICUS PANDURATA
6-inch pots, $1.00 each.

JERUSALEM CHERRIES
Short, stocky plants, $2.50 per doz., $20.00 per 100.

GARDENIAS
6-inch pots, extra fine plants, $6.00 and $9.00 per doz.

CROTONS
5-inch pots, 75c. each, $9.00 per dozen; 6-inch pots, $1.00 each, $12.00 per dozen.

BEGONIAS GLOIRE DE LORRAINE

5 inch pots..... .....50c each; 6 inch pots.....75c and $1.00 each.

ASPARAGUS SPRENGERI
2¼-inch pots, $3.50 per 100, $30.00 per 1000. 3-inch pots, $6.00 per 100. 4-inch pots, $10.00 per 100.
Seedlings, $5.00 per 1,000.

ASPARAGUS PLUMOSUS NANUS
2¼-inch pots, $3.50 per 100. 3-inch pots, $6.00 per 100.
Seedlings, $10.00 per 1,000.

SMILAX SEEDLINGS, $5.00 per 1,000.

LILY OF THE VALLEY CLUMPS
$15.00 per 100.

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AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Simon Mardner, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12- to 14-inch crown	$8.00	$60.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Bulb Surplus

		Per 100	Per 1000
2500	**Victoria Narcissus**, double crown	$1.25	$11.00
4000	**Victoria Narcissus**, single crown	.80	7.00
1000	**Poeticus Ornatus**	.75	6.50
1000	**Princeps**	.80	7.00
1000	**Golden Spur**, large size	2.00	18.00
4000	**Murillo Tulips**	1.25	10.00
800	**Proserpine Tulips**	2.00	18.50
800	**Vermilion Brilliant Tulips**	2.25	20.00
500	**Tournesol Tulips**	1.60	15.00
9000	**Spanish Iris**, 5 varieties	.40	3.50

HYDRANGEA OTAKSA

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00

CASE LOTS AT 1000 RATES

LiliumFormosum

	100	1000
7x 9, 300 to the case	$8.00	$70.00
9x10, 200 to the case	10.50	95.00

CASE LOT AT 1000 RATES

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

CASE LOTS AT 1000 RATES

WM. F. KASTING CO.
383-387 Ellicott St., BUFFALO, N. Y.

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SPECIAL

Some few Specials that are not seen as frequently as they should be. We offer fine Stock from 3 inch pots.

GERANIUMS, Silver Leaf S. A. Nutt.
GERANIUMS, Mountain of Snow.
IVY GERANIUMS, Variegated-Leaved Eleganta.
VARIEGATED ROSE GERANIUMS, Lady Plymouth.
COLEUS, Brilliancy.
TRADESCANTIA, Zebrina Multicolor, 2 inch.

GERANIUMS

500,000 ready for shipment. A good assortment of Ivy-Leaved, Scented and Standard Varieties, from 2 inch pots, at $2.00 per 100, $18.50 per 1000; from 3 inch pots at $3.00 per 100, $25.00 per 1000.

SPECIAL COLLECTION 1000, 50 each of 20 distinct kinds, every one a good one, from 2 inch pots, $18.50; from 3 inch pots for $25.00; cash

	2-inch per 100	3-inch per 100
COLEUS, Golden Bedder, Verschaffeltii, and Other Kinds	$2.00	$3.00
LANTANAS, 10 Varieties	2.00	3.00
HELIOTROPE, Assorted	2.00	3.00
FUCHSIA, 6 Kinds	2.00	3.00
SWAINSONA ALBA	2.00	3.00
LEMON VERBENAS	2.00	3.00
ALTERNANTHERA, 6 Varieties	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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A MERRY CHRISTMAS TO ALL

	100	1000
LILIUM Harrisii, 9-11	$14.00	
FREESIAS, Selected	.35	
TULIPS, Artus, scarlet	.90	$7.50
Chrysolora, yellow	.65	5.00
Pottebakker, yellow	.80	7.00
Double Rex Rubrorum	1.25	10.00
Double La Candeur	.90	8.00
WHITE ROMAN HYACINTHS, 13-15 ctms.	2.00	
DUTCH HYACINTHS, Named varieties	3.00	
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA, Japonica, extra strong	5.00	
Gladstone	9.50	
CHINESE SACRED LILIES, $1.25 per basket of 30 bulbs.		
IMMORTELLES, in colors, $2.50 per dozen.		

	Tr. Pkt.	Oz.
ASTER, Queen of the Market, in colors	$0.20	$0.50
BEGONIA Vernon	.25	3.00
BELLIS Perennis, mixed	.20	1.00
CANDYTUFT, White Empress	.20	1.75
COBŒA Scandens, blue	.15	.30
DAISY, Shasta	.20	1.00
LOBELIA, Crystal Palace Compacta	.25	1.50
MIGNONETTE, Goliath	.25	2.00
MYOSOTIS, Victoria	.25	1.00
PETUNIA, Grandiflora, Mixed	1.00	
PYRETHRUM Aureum	.10	.30
SALVIA, Bonfire	.25	2.50
STOCKS, Ten Weeks, in colors	.25	2.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

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We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

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Stokes Seeds Philadelphia

For Seedsmen

I have a small surplus of my own growing at "*Floracroft Gardens*" as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
SALVIA Clara Bedman or Bonfire	1.60	16.00

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Blue List of Wholesale Prices mailed only to those who plant for profit.

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WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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Seeds of our celebrated strains

Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

We are also large growers of other Small Seeds. Send for Trade List.

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Price $3.50. Send for Sample Pages

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SPIRAEA CLUMPS

Fine selected clumps, packed 100 clumps to the case . . .

GLADSTONE, $9.00 per 100; $87.50 per 1000.
COMPACTA MULTIFLORA, $8.00 per 100; $75.00 per 1000.
QUEEN ALEXANDRA, $15.00 per 100; $145.00 per 1000.

We also have about 30,000 extra fine **LILY OF THE VALLEY PIPS,** that we offer at $14.00 per 1000.

Stumpp & Walter Co — *50 Barclay Street, New York*

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Onion Seed—Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., - Chillicothe, Ohio

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New Seed for Florists' Planting

WE are rapidlygetting our New Stocks of all the various kinds of Flower and Vegetable Seeds ready for orders. **New ASTER SEED CATALOGUE and WHOLESALE PRICE LIST ready soon.** Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

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Palm Seeds Just Arrived

	Per 1000 Seeds
Areca Lutescens	$8.00
Kentia Belmoreana	6.00
Kentia Forsteriana	7.00
Pandanus Utilis	8.00

My catalogue will guide you through reliable Florists' Flower Seeds. It's free.

O. V. ZANGEN Seedsman **Hoboken, N. J.**

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CANNAS

One Million Sound, Plump Roots, 2 to 3 eyes, and true to name; over 100 leading kinds, $7.00 per 1000 and upwards. CANNA SEED, 1910 Crop, All Kinds Mixed, $1.00 per lb. Also DAHLIAS, GLADIOLUS, IRIS, ETC.

SHELLROAD GREENHOUSES, Grange BALTIMORE, MD.

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COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Braziliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneti	1 50	12 00
crispathe	1 50	12 00
Gartneriae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
odoreta	1 50	12 00

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SAN FRANCISCO — CALIFORNIA

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DUTCH HYACINTHS—TULIPS
NARCISSI and OTHER BULBS
AT QUICK SELLING PRICES
SEND FOR SURPLUS LIST AT ONCE.

Headquarters for Winter Forcing Rhubarb and Asparagus Roots

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XXX SEEDS

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
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PETUNIA, Giant Double Fringed, very fine, trade pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact. Large pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 600 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c A wonderful bloomer.
CINERARIA, large-flowering dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 250 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz., $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c. Best New Giants.
LOBELIA, EMP. WM., dwarf, very dark blue, finest of all the Lobelias; pkt. 20c.
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ANTIRRHINUM NOVELTIES. Defiance, fiery scarlet; **Black Prince,** nearly black; **Queen Victoria,** finest white. **Mixed,** or **Separate,** pkt. 20c
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COLUMBINE, New blue with yellow spurs, extra, pkt. 20c. Grand Novelty.
SHAMROCK, Irish Green, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

CASH. Liberal extra count.

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FLORIST SEEDSMEN
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!! SPECIAL OFFER F. O. B. YOUR DEPOT !!

Prices hold good as long as stock is on hand: Per 1000
Hyacinths, mixed colors, separate $20.00
Hyacinths, miniature, true to name 18.00
Hyacinths, second size, true to name 35.00
Hyacinths, first size, true to name 50.00
Tulips, single, in finest mixture, separate colors. 7.00
Tulips, single, Artus 10.00
Tulips, single, Keizerkroon 11.00
Tulips, single, La Reine 8.00
Narcissus, von Sion, double-nose, extra fine 19.00
Spiraea, Gladstone, fine, heavy clumps $9.00 and $12.00 per 100
Spiraea, Queen Alexandra, fine clumps, $16.00 per 100.

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Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

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JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N. Y.
CARL R. GLOECKNER, Pres.

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SEEDS—SEEDS

Fresh Reliable

"For Early Sowing"

	Tr. Pkt.	Oz
Salvia Clara Bedman—"Bonfire"	$0 25	$2.25
Salvia Splendens	.15	1.00
Verbena, S. & I. Choice Mammoth Mixed	.25	1.50
Verbena S. & I. Choice Mammoth Separate Colors	.25	1.25
Lobelia, Crystal Palace Compacta	.25	
Lobelia, Speciosa (Trailing)	.15	
Begonia, Vernon 1/16 oz. 50c	.25	
Begonia, Luminosa. Fiery dark scarlet	.40	
Petunia, Giants of California, 1/16 oz. $2.00	.50	

Asters (Vick & Hill grown), see Catalogue

SKIDELSKY & IRWIN CO.
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SEND FOR OUR NEW CATALOGUE

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark American Spawn Co., St. Paul, Minn

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BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Prices Advertised for the Trade Only

SPIRAEA and GLADIOLI

	Doz.	100
SPIRAEA Gladstone, Extra strong clumps	$1.25	$9.00
SPIRAEA Compacta Multiflora	1.00	6.00
SPIRAEA Astilboides Floribunda	1.00	6.00
SPIRAEA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride, 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom, 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS		
UMBELLATUS, blue	1.50	10.00

Write for prices on Fresh Asparagus Plumosus Nanus Seed.

H. H. BERGER & CO., 70 Warren St., New York

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Thorburn's Bulbs

VALLEY PIPS

Our usual highest grade at reduced prices for Present Delivery.

In case of 1000 pips at $9.00 per 1000.
In case of 3000 pips at $8.00 per 1000.

J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC. Dec. 3-4, S. S. Idaho—Gerhard & Hey, 6 packages living plants; J. Dietjens, 1 box fruit trees. S. S. St. Paul—A. Roelker & Sons, 10 cases plants; Lunham & Moore, 100 packages seeds, etc.; Vaughan's Seed Store, 7 cases plants; McHutchison & Co., 6 cases plants; Maltus & Ware, 2 cases Roses; O. G. Hempstead, 2 cases Roses, 35 plants. Dec. 5, S. S. Columbia—Perry, Ryer & Co., 12 packages plants; P. Henderson & Co., 150 barrels Grass seed. S. S. Nieuw Amsterdam—Kennedy & Moone, 113 bags garden seed, etc.; Peter Henderson & Co., 270 bags Grass seeds; Maltus & Ware, 55 cases plants, 32 cases trees and shrubs, 3 cases bulbs; J. M. Thorburn & Co., 73 bags Grass seed, 61 cases trees, etc.; Stumpp & Walter Co., 1 case bulbs, 3 cases trees; Wadley & Smythe, 18 cases trees and shrubs; MacNiff Horticultural Co., 5 cases trees, etc.; F. B. Vandegrift, 60 packages flower seed, etc.; McHutchison & Co., 18 cases roots, trees, etc.; P. C. Kuyper & Co., 18 cases roots, trees, etc. Dec. 6, S. S. Lapland—Martus & Ware, 4 cases plants. Dec. 7, S. S. Kaiser Wm. der Grosse—Wm. Elliott & Sons, 1 case seeds. S. S. President Grant—Gerhard & Hey, 5 packages plants, etc.; Maltus & Ware, 31 cases Lily pips; W. Hagemann & Co., 144 cases Lily pips; H. F. Darrow, 40 cases Lily pips; Vaughan's Seed Store, 180 cases Lily pips; S. Stern, 87 cases Lily pips; C. C. Trepel, 10 cases Lily pips; H. G. Osterman, 18 cases plants, etc.; Lunham & Moore, 54 cases Lily pips, etc.; McHutchison & Co., 489 pkgs. Lily pips; Peter Henderson & Co., 1 bag Spinach seed. Dec. 8, S. S. President Grant—C. C. Trepel, 10 cases Lily pips; S. Stern, 87 cases Lily pips; H. G. Osterman, 18 cases plants; Lunham & Moore, 54 cases Lily pips, etc.; W. Hagemann & Co., 144 cases Lily pips; H. F. Darrow, 554 cases Lily pips, 25 cases shrubs; Vaughan's Seed Store, 180 cases Lily pips; McHutchison & Co., 489 packages Lily pips. Dec. 9, S. S. Adriatic—McHutchison & Co., 15 cases plants; Perry, Ryer & Co., 8 cases Asparagus roots; J. Hahn & Son, 50 crates Mistletoe; J. P. Sauer & Co., 50 crates Mistletoe; Moore, Hentz & Nash, 100 crates Mistletoe; Maltus & Ware, 13 cases plants; O. G. Hempstead & Son, 11 cases plants; C. C. Abel & Co., 3 cases plants. Dec.

You may have heard about the little fellow who stole very cautiously up to the letter-box and when no one was looking, slipped a letter in without a stamp on it, thinking he had saved two cents. Well now, that's just about the way some Growers buy Lily Bulbs. They think it is smart practice and good business to "jew" down a salesman; but, gentlemen, it's not. It is not good for either the buyer or the salesman. In Lily Bulbs you are going to get just what you pay for and no more. It's the same in many other bulbs, plants, etc., and the wise buyer is the man who pays a fair price for the article he wants and insists upon getting what he buys. We have the most direct connection possible in the Japanese Bulb Business and we know the value of the bulbs; and by costly experience we have learned that it don't pay in the long run to buy cheap Lily Bulbs—excuse us, we prefer others handle that part of the business. Good Lily Bulbs, at reasonable prices, we can supply in any ordinary quantity for immediate delivery or for shipments during 1911 from Cold Storage.

Write us.

RALPH M. WARD & COMPANY

"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Order your Cold Storage Bulbs now.

Please mention the Exchange when writing.

Cyclamen Persicum Splendens

GIGANTEUM HYBRIDS

	1000 Seeds	Trade Packet
Bloodred, Carmine, Daybreak, Lilac Shades, Pink, Pure White, White with Carmine Eye, each color separate	$6.00	$1.00
The above colors even mixed	5.00	.75
Cattleya Fringed, new orchid color	10.00	1.00
Gigbriatum Carminea—Marginatum	8.00	1.00
Iery af Wandsbek, beautiful Salmon shades	12.00	1.00
Rococo, finest shades mixed	10.00	1.00
Salmoneum, improved Salmon color	8.00	1.00
Victoria, new fringed striking variety	10.00	1.00

My catalogue will guide you through reliable Florists' Flower Seeds—it's free

O. V. ZANGEN Seedsman HOBOKEN, N. J.

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FOTTLER, FISKE, RAWSON CO.

CYCLAMEN. New Crop Seed Just Arrived

Our grower in England makes a specialty of Cyclamen seed; this strain is noted for size and brilliancy of coloring.

CYCLAMEN Giant Strain

Brilliant, deep crimson extra. **Excelsior,** white, claret base. **Grandiflora Alba,** giant pure white. **Mauve Queen,** mauve. **Moni Blanc,** white. **Picturatum,** giant light rose, claret base. **Prince of Wales,** giant bright red. **Rosy Morn,** delicate rose, tinted claret base. **Giant Salmon King,** extra large beautiful pink. **Sunray,** pink, claret base. **Finest Mixed,** all colors. The above varieties, 100 seeds, $1.00; 1000 seeds, $8.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. Boston, Mass.

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Gorgeous Iris

FOR FALL PLANTING

GERMAN

	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling	25.00
PARKMANI. Uprighte pure lemon; falls white veined purple	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00

Single

APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

DAHLIA ROOTS

White Field Clumps, at $5.00 per 100 and up. 1000, in 10 distinct kinds, either Show, Decorative or Cactus, our selection of kinds, for $40.00 cash.

CANNA ROOTS

Strong Division, at $2.00 per 100, $12.00 per 1000, and up. Send for List.

R. VINCENT JR., & SONS CO., White Marsh, Md.

Please mention the Exchange when writing.

FOR THE BEST New and Standard

DAHLIAS

Peacock Dahlia Farms

Post Office, Berlin, N. J. Williamstown Junction, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

The Moore Seed Company

Growers and Importers

339 Market Street, PHILADELPHIA, PA.

QUALITY BULBS AT SURPLUS PRICES

250 Bulbs at 1000 Rate

SINGLE TULIPS

		1000
1500	Belle Alliance	$9.90
500	Duc Van Thol, Red and Yellow	5.25
2000	Rosamundi Huykman	6.00
1000	Ophir d'Or	5.50
1200	Proserpine	11.40
850	Rose Luisante	9.60
2300	L'Immaculee	4.25
1350	La Reine	4.50
1500	Duc Van Thol, Scarlet	8.50
450	Bizard Verdict	4.25
700	Pottebakker, Yellow	6.00
400	White Hawk	9.00
400	Vermilion Brilliant	12.00
1750	Duc Van Thol, White Maximus	6.00
750	Jacoba Van Beyerle	9.00
375	Couleur Cardinal	6.60
500	Cottage Maid	5.50
1000	Duc Van Thol, Crimson	5.25
1000	Mon Tresor	7.80
1500	Crimson King	6.60
500	La Precieuse	6.00
12000	Fine Mixed	3.90

DOUBLE TULIPS

		1000
3000	Rose Blanche	$5.50
2000	La Candeur	6.00
3900	Duc Van Thol, Red and Yellow	8.50
1200	Duke of York	5.75
1550	Murillo	6.60
1900	Rex Rubrorum	8.70
1300	Tournesol, Red and Yellow	8.50
800	Imperator Rubrorum	8.50
1000	Gloria Solis	7.00
500	Purple Kroon	7.00
1000	Rubra Maxima	6.75
500	Le Blasan	6.30
500	Couronne de Roses	12.60
300	Yellow Rose	4.50
10000	Fine Mixed	3.90

SINGLE LATE TULIPS

		1000
450	Mrs. Moon	$10.00
400	Orange Beauty	10.00
475	Cramoise Brilliant (Parrot)	4.80
500	(Parrot) Admiral Constantinople	4.80
500	(Parrot) Lutin Major	4.80
1000	(Parrot) Fine Mixed	3.90

		Doz.	100
	SPIRAEAS		
2000	Gladstone	$1.15	$8.50
1000	Floribunda	.75	6.00
1000	Compacta Multiflora	.70	5.50
100	Grandis	3.00	25.00
	DIELYTRA SPECTABILIS		
400	Dielytra Spectabilis	$0.65	$5.00

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM HARDY LILIES

Tenuifolium, Wallacei, Hensoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

WRITE FOR PRICES

E. S. MILLER, Wading River, N. Y.

Please mention the Exchange when writing.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers Baltimore, Md. Established for 92 Years

Please mention the Exchange when writing.

Forcing Gladiolus

For Immediate Delivery

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch crop and take up but little room. The following are the best for this purpose:

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.00 per 100; $27.50 per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up, $16.00 per 1000.

Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, $1.25 per 100; $12.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. $1.25 per 100; $12.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladioli in cultivation. $1.00 per 100; $9.00 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK CITY

Please mention the Exchange when writing.

10-11, S. S. Pannonia—Lehn & Fink, 7 packages herbs and seeds. Dec. 12, S. S. Minnehaha—F. B. Vandergrift & Co., 70 packages seeds, 1 box Mushroom spawn; T. Meadows & Co., 74 packages seeds, etc. S. S. Philadelphia—J. Roehrs Co., 4 cases trees; Lunham & Moore, 18 packages seeds, etc.

European Notes

We are "up to our eyes" in mud just now, for the frost has been washed out of existence by three days' continuous rain. The result is that all outdoor work is at a standstill and a very vexatious delay occurs in our already belated forwarding department.

France has been particularly unfortunate this year, and while the recurrence of the floods in Paris does not especially affect the seed trade, some very ominous news comes at the last moment from the West. In the valley of the Loire the situation is most disastrous. At Nantes about forty factories and workshops have had to close. All navigation is suspended and the railway service between Nantes and Angers has stopped working. Many riverside villages are surrounded and farms have disappeared beneath the water.

Remembering the heavy losses the seed growers in the district suffered through the floods in April last, we are filled with grave apprehension regarding the fate of the plants of hardy biennials upon which our hopes of a crop next season depend.

Austria, Italy and Germany report very similar circumstances, with the addition of intense cold in the first-named country.

In England, the frost while it lasted was very severe and the deluge of the past few days must injuriously affect plants already weakened by the cold. Holders of good stocks of cabbage will please take good note of this and act accordingly. EUROPEAN SEEDS.

American Notes

The Seedsmen's Quiet Period

With the coming of real Winter weather—which has, as expected, put an end to the outdoor planting of bulbs—until well into the new year, when the seed catalogs have been distributed and the new selling season opens, has commenced what will be, as always, the quietest time of the whole twelve months with the seed trade, in so far as immediate business is concerned. Of course, there is no time of the whole year when seedsmen are busier than they are from now on, getting ready all the innumerable details for the opening of the Spring campaign of seed selling, which is daily coming nearer and nearer. Again, those seedsmen who add Christmas stocks as a department to their business will, naturally, find much activity in this line until after the holidays.

Speaking of the prospects for the new year, in so far as seed sales are concerned, it is very pleasing to be able to say that, from much correspondence received from practically all sections of the country, even barring the scarcity of many important seed stocks, never have indications so strongly pointed to a most satisfactory season of seed distribution to commence immediately the seed catalogs are in the customers' hands.

Now, with regard to the distribution of the seed catalog, there has always been quite a question as to when is the best time to mail the same, but it would seem to be generally agreed that as soon as possible after January 15 is the right time, unless for some special reason it is not possible to do this; but every effort should be made to insure distribution not later than February 1. As stated, every sign seems to point to a most prosperous seed selling season for 1911.

Christmas Cards

At the Christmas season the custom of sending reminders to our friends in the form of holiday cards is certainly a most happy one, and in this regard it may be said that it is more and more becoming the custom for business houses to follow this plan with reference to their customers. Apart from the surely earnest wish of all dealers to convey to their customers of the past year their good wishes, it is good advertising to send out such reminders, as in so doing attention can be drawn to whatever seasonable stocks, and especially Christmas stocks, are being offered by the senders of such Christmas announcements. To meet the steadily increasing demand for Christmas announcements at the holiday season, the publishers of The Florists' Exchange have sent to the trade samples of two extremely artistic four-page folders, printed on fine enameled stock, the four-color design on one being a Holly wreath and on the other a bunch of Mistletoe, with the legend "Merry Christmas, 1910," printed on the front page;

REPRESENTATIVE SEEDSMEN

THE W. E. BARRETT CO.
PROVIDENCE, R. I.
One of New England's Oldest Seed Houses
GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE
Please mention the Exchange when writing.

GARDEN PEA SEED
Gradus, Thos. Laxton, Sutton's Excelsior and others of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.
Preliminary Wholesale List now ready.
S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.
Please mention the Exchange when writing.

SEVEN TOP
Seed Merchants whose supplies of
SEVEN TOP TURNIP
are under their requirements, are requested to ask for prices, at the same time naming quantities they are short.
D. LANDRETH SEED CO., Bloomsdale Farms, Bristol, Pa.
Please mention the Exchange when writing.

CROP OF 1910
PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1098.
BEAULIEU, WOODHAVEN, N. Y.
Please mention the Exchange when writing.

Fireball Salvia Seed
Ounce, $1.50; Trial Packet, 25 cents
ALBERT NIRK
EAST NUTLEY, N. J.
Please mention the Exchange when writing.

Begonia Seeds
From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties. Trade packet of 10,000 seeds, $1.00; ½ trade packet, 50c.
Cash with order.
E. A. BLINN, Cromwell, Conn.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS
NEW CROP—GREENHOUSE GROWN
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50
SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.
Our Flower Seed Catlog free on application
The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.
Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO,
Radish, Pea, Muskmelon,
Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

PANSIES
THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Cost is measured by the results obtained and in no other way

any announcement desired, of any special line of business, may be printed on these Christmas cards. Those dealers who have in the past, perhaps, not considered this matter of Christmas announcements, should make it a point to see what is being done in this line.

Seed Advertising

Just as soon as the seed catalogs are ready for distribution, plans should be made, if such have not already been laid out, for suitable advertising, in such papers as are adapted to the particular branch of the seed business that each firm is engaged in, to announce that the seed catalog for 1911 is ready. It is much better policy to advertise the seed catalog strongly through January and February, and even in December, than to wait, as is done in many cases; for all the seeds that can be sold during January and February are, so to speak, just so much a source of extra profit, as after the first of March seed sales will always take care of themselves; in fact, from March on, every seed firm will, for the rest of the season, receive all the orders they can well take care of. Every endeavor should be exercised to make as many seed sales as possible during the first part of the year, that is, previous to March 1, for it is these early sales that, when the final end of the season does arrive, help to swell the grand total of the year's business to satisfactory figures. It has come to be an established policy that early advertising and early distribution of seed catalogs are important factors. V.

New York Seed Trade

While the real Winter weather with plenty of snow which we are now having has, of course, practically put an end to the sales of bulbs for outdoor planting, those seedsmen who cater particularly to Christmas business report orders in this line as being placed quite freely, and all indications point to unusually active holiday sales of everything in the line of decorative greens, etc.

F. W. Bruggerhof, president of J. M. Thorburn & Co., has the sincere sympathy of the entire trade in the death of his wife, which occurred on Tuesday last.

W. C. Rickards, Jr., of Rickards Bros., was, for another year, elected treasurer of the New York Florists' Club last Monday evening.

H. H. Berger & Co. have been receiving many orders for Spiræas and forcing Gladiolus bulbs in the past week.

Christmas greens, in practically every line, are in short supply in this city, the early and heavy falls of snow causing this condition. At this writing, the best Holly is held at $5 per case and bouquet green at 18c. per pound.

Harry A. Bunyard of Boddington's is being congratulated by his many friends in the trade upon his election to the office of vice-president of the New York Florists' Club.

Peter Henderson & Co. have this week attractively arranged their show windows, the sign, "Holiday Presents, Orders Booked Now," drawing attention to a most attractive display of flowering and foliage plants for the Christmas trade, including Poinsettias, Begonias, Jerusalem Cherries, Oranges and Palms.

Wm. Elliott & Sons report that while sales of Christmas greens are very good indeed, they wish the supply of everything in this line was more ample.

Vaughan's Seed Store, as usual, is very busy with Christmas orders for everything in the line of holiday decorations, and is advising its many customers to place their orders early on account of the shortages in this line, which seem sure to develop more and more as the days pass, on account of the early falls of snow which have so interfered with the gathering of bouquet green.

"Buds" Seed Store has arranged an attractive stock for the holiday sales, including Japanese plants and bulbs that are desirable and adapted to house culture.

Philadelphia Seed Trade

With the ground covered with snow all outside seed planting, even of grass, and of bulbs, has ceased. The only outlet now for the bulb surplus is in sales for forcing purposes, and to dispose of this surplus the seedsmen are making some very attractive offers indeed, which growers who have a little room for forcing bulbs should read with care. Poultry supplies are moving well. Spraying for scale insects is now in order whenever the temperature is above the freezing point, and the seedsmen are offering sprayers of all sizes, and the proper insecticides.

Robert Buist, the veteran seedsman of 4 So. Front st., is very critically ill at his apartments at the Bellevue-Stratford Hotel, with a complication of diseases, the most pronounced of which is pleurisy, involving the lungs and weakening heart action. Mr. Buist was taken suddenly sick the night before Thanksgiving. Although he is now 73 years of age, his vigorous constitution, which has enabled him for the last few days to hold his own against the disease, leads his friends to hope that he may possibly recover. Later—Mr. Buist died at 11.40 Tuesday night. Further particulars will be found in our Obituary column.

The Moore Seed Co. having disposed of its entire stock of bulbs except Tulips, is offering these this week through our columns at prices which should soon exhaust the surplus. A recent caller upon this company was W. H. Small, of W. H. Small & Co., dealers in field seeds, Eclipse poultry and chick feed, Evansville, Ind.

The Henry F. Michell Co. reports that the advance sales of the new Gladiolus Kunderdi Glory, of which the company is the disseminator, both in Europe and this country, are very large. It is now expected that the Michell 1911 catalog will be ready several days before the contract time. The early snowfall is making it almost impossible to secure the usual supply of Princess Pine and other greens with which to fill holiday orders, and a sharp advance in the prices of all greens is likely to follow. In the store windows of the company, at 518 Market st., may now be seen, in one an exhibit of Target Brand of scalecide, sprayers, and pruning tools, and in the other a full display of decorative plants.

Walter P. Stokes is making a careful comparison of the results obtained from Liliums giganteum and Formosum, at his Moorestown greenhouses, and he finds that the former gives a much more even quality and more satisfactory blooms than the latter, and that the results from the Formosum this year are less satisfactory than in 1909.

Henry A. Dreer, Inc., has a full store display of seasonable decorative plants; a display in one window of Green Mat ware jardinières in many attractive shapes, and in the other a display of "Kill Scale," and spraying apparatus. J. Otto Thilow, secretary of the company, says: "Spray now for scale whenever the weather permits."

Some of the seedsmen are making exhibits at the fifth annual exhibition of the Philadelphia Poultry, Pigeon and Pet Stock Association at the 2nd Regiment Armory, Broad and Diamond sts., Dec. 13 to 17. The Stokes Seed Store's exhibit is in charge of William J. Stokes. The chief features of the exhibit are a full line of the Essex Model incubators and brooders. An incubator is shown in action, with a full batch of Barred Plymouth Rock and White Leghorn chicks. Vigor poultry foods and remedies also are shown, and a general line of implements connected with poultry raising. The Henry F. Michell Co.'s exhibit is in charge of L. B. Riegler. This company is showing the Prairie State incubators and brooders, and the Norwich automatic exerciser and feeder, with a practical illustration of its use by a small flock of fowls. A full line of bone, Clover and root cutters and general supplies also are shown. The exhibit of the Johnson Seed Co. is in charge of William H. Smith. The mascot of the exhibit is a very large prize winning white Embden goose. The leaders in the exhibit are the well known Cyphers incubators and brooders, poultry fountains, foods and remedies. The Cycle, a low priced reliable incubator, is also shown. In mid air above the exhibit hangs a model aeroplane, constructed by Herbert W. Johnson, Jr., who is now constructing for his own use a large monoplane.

SANTA ANA, CAL.—The address of The Haven Seed Co. has been changed from Lodi to Santa Ana. The company's crops have yielded well and been harvested in prime condition. The acreage for 1911 will be increased.

REPRESENTATIVE SEEDSMEN

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

LILIUM LONGIFLORUM GIGANTEUM
Mammoth Bulbs, 9 to 10 inches in circumference, $9.00 per 100.
SPIRAEA Gladstone $9.00 per 100
Superba Compacta $6.00 per 100
WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage
Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds
Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

CHOICE GERMAN FLOWER SEEDS
Catalogue Free on Application
FREDRICK ROEMER
Seed Grower
Quedlinburg, Germany
Please mention the Exchange when writing.

Surplus Stocks

	100
SPIREA, Gladstone	$8.50
SPIREA, Peach Blossom	9.50
SPIREA, Queen Alexandra	9.50
SPIREA, Floribunda	5.00
DIELYTRA, strong clumps	6.00

Fresh Tobacco Stems
Bale of 300 pounds, $1.75; Ton, $9.00.
W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)

The Man Who Knows Always Sows Michell's Distinctive Seeds

VERBENA
MICHELL'S MAMMOTH FANCY

	Trade Pkt.	Oz.
Blue, Pink, Scarlet Striped and White	$0.30	$1.25
Mixed colors.....	.25	.75

LOBELIA

	Trade Pkt.	Oz.
CRYSTAL PALACE COMPACTA.....	$0.30	$1.00
CRYSTAL PALACE SPECIOSA, trailing	.20	.50
BARNARD'S PERPETUAL.....	.25	1.00

SMILAX

	Trade Pkt.	Oz.
One of our leaders Plump, fresh seeds	$0.10	$0.30

COBEA SCANDENS
Fresh, strong growing seeds.

	Trade Pkt.	Oz.
PURPLE.....	$0.10	$0.35
WHITE.....	.25	.75

MOONFLOWER

	Trade Pkt.	Oz.
IPOMŒA NOCTIFLORA.....	$0.15	$0.50

VINCA ROSEA

	Trade Pkt.	Oz.
ALBA, white, rose eye.....	$0.15	$0.50
ALBA PURA, pure white.....	.15	.50
ROSEA, pink.....	.15	.50
MIXED.....	.15	.40

[Complete Catalogues for 1911 ready now; you may have one if you ask for it.

HENRY F. MICHELL CO. 518 MARKET STREET, PHILADELPHIA, Pa.

Please mention the Exchange when writing.

GET READY FOR CHRISTMAS

I offer my immense stock of Fruited, Flowering and Decorative Plants at the most reasonable prices.

POINSETTIAS, very fine; 7 and 8 plants in a 9-in. pan, $24 a doz.; 10 plants in a 10-in. pan, $3 each pan.

AZALEAS, Vervaeneana and Simon Mardner, 6-in. 50c. and 75c. each, $6.00 and $9.00 a doz.
6½-in., $1 each; $12.00 a doz.
7-in., $1.50 and $2.00 each; $18.00 and $24.00 a doz.
8 and 9-in., $3.00, $4.00 and $5.00 each.
Fans. (Prices on application.)
Firefly, in bloom for Christmas, $1, $1.25, $1.50 and $2 each. **Very fine.**

BEGONIA LORRAINE, very fine, in 7-in. pots, $12, $18 and $24 a doz.

CAMELLIA Chandleri (pink) loaded with flowering buds, very fine for Christmas, 5½ and 6-in. pots, and $1.50 each; 6 and 6½-in. pots, larger, $1.75 and $2 each.

ORANGES, Citrus Sinensis, fruited, very fine, 9-in., also 7-in. pans, $2, $3.

CARNATIONS, 7-in. pans, $9 a doz.; 8-in. pans, $12 a doz.
Massangeana, 7-in. pots, $1.50 each; 8-in. pots, $2 each.
Lindeni, 6½-in. pots, $1.50 each.
Fragrans, 5½-in. pots, $6 a doz.

CROTONS, 4-in. pots, $2 a doz.; 4½-in. pots, $3 a doz.

PANDANUS VEITCHII, 6½ and 7 in., $1.50 each; 8-in. $2 each.

LIGUSTRUM Aureum, Golden Privet, 4½-in. pots, $3 a doz.

ARAUCARIA Excelsa, 5½ and 6-in. pots, $9 a doz.; 6-in., larger, $12 a doz.; 7-in., $2 each; 8-in., $3 each.

BOXWOODS, 15c., 20c., 25c. and 30c. each.
Pyramids, $3 to $8 a pair.
Standards, $2, $3 and $4 a pair.

CIBOTIUM Scheidei, 6-in., $2.50 each; 6½-in., $3 each; 7-in. $3.50 each.

FERNS, Boston, 7 and 8-in. pots, $1 and $1.50 each.
Scottii, 6-in. pots, $6 and $9 a doz.; 7 and 8-in., $1 and $1.50 each.
Scholzeli, 6-in., $6 a doz; 6½-in. $9 a doz.; 7-in. $12 a doz; larger, $1.50 each.
Whitmani and **Piersoni,** $1 and $1.50 each.

PHOENIX Roebelenii, 4½-in., $9 a doz.; 5½-in., $12 a doz.; 6-in., $1.50 each.

KENTIA Belmoreana and **Forsteriana,** from $1.50 to $5 each.

RHAPIS Humilis, $3 to $5 each.

COCOS Weddeliana, large, from 2 to 4 ft. high, $1.25 to $6 each.

Cash with Order, Please All Goods must travel at the purchaser's risk.

ANTON SCHULTHEIS

316 Nineteenth St., COLLEGE POINT, L. I., New York

Please mention the Exchange when writing.

Verbenas! Verbenas!! Verbenas!!!

THE GEM BEDDING PLANT

J. L. DILLON, Send for Circular **Bloomsburg, Pa.**

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Rooted Cuttings

BY THE 100 PREPAID.

Dreer's set of 15 double fringed Petunias, assorted and labelled, or pure white, pink and lavender, for design work; $1.50, either set.

	100	1000
HELIOTROPE	$0.75	$6.50
LEMON VERBENA	.75	6.50
ENGLISH IVY	1.00	9.00
GERMAN IVY	.50	4.00

CHARLES FROST, Kenilworth, N. J.

Please mention the Exchange when writing.

ASPARAGUS SPRENGERI

Fine Stock for Christmas Trade

3 inch, $5.00 per 100.

J. W. ADAMS & CO., SPRINGFIELD, MASS.

Please mention the Exchange when writing.

CINERARIAS

BEST STRAIN

Chinese Primulas, Asparagus Sprengeri, Snapdragon, Dreer's Double Petunias, Mixed Geraniums, out of 2½ inch pots, $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Providence, R. I.

Business is taking on more of a holiday garb and seems in general to be holding its own. Immortelles are moving very good, but some stocks are far superior to others, being of better color, and bunches have not been cut to the smaller size. Violets are not giving the best of satisfaction, although some of the growers are bringing in fine stock and are getting top prices; other arrivals are off color and of poor quality. Roses are doing much better, as also are Carnations.

J. A. Budlong & Sons Co., Auburn, are cutting several thousand Roses daily. Their enormous plant is in the pink of condition and prospects of a good crop for Christmas are excellent. The leading varieties grown by them are My Maryland, Richmond, the Killarneys, Cardinal, Radiance and Kaiserin. Cardinal seems to be one of the leaders, the flowers being of a fine red, with stiff stems, excellent foliage, and the plants free blooming. Richmond is also very fine, the plants producing many specials and fancy grades. Killarney, both white and pink, are coming in fine shape. Boston and New York get their main output from this establishment, but Providence is getting its share. Their large refrigerators are kept fairly well filled with cut Roses. Violets are grown in several of the smaller houses, also Asparagus Sprengeri, which is looking good. The establishment is divided into two sections, each section having a foreman. There are over 100,000 Rose plants. One new house was erected last Fall, in which to keep young stock after being potted. Several foreign importations of Manetti stock have just arrived, and the stock is being potted.

Robert Johnston entertained the members of the banquet committee of the Florists and Gardeners' Club at his residence, 21 Meader st., on Friday evening.

L. J. Reuter, Westerly, R. I., was a recent visitor. Crofton E. Thorp, representing H. Nungesser of New York, was in town Thursday. Wm. Faulkner was also in town this week.

John Macrea, Smith st., is cutting some of the best white Carnations he ever grew. He reports business fair, with a scarcity of colored Carnations.

Mr. Coulette, representing C. C. Morse & Co., San Francisco, was in town on Thursday, calling on the seed trade. He reports business good in the way of advance orders.

Lawrence Hay is cutting some extra choice Carnations. The recent cold snap has checked the output of all cut stock. Easter Lilies are practically out of the market.

Evergreens and Christmas greens are coming in plentifully. P. J. Hopp is bringing in large quantities of Laurel, and many are making preparations for a large business in the Christmas market which opens to the public on December 17 at Market Square. Immortelles are beginning to move, as also are Cape Flowers.

J. Kopelman reports business very good, and stock at his Oaklawn plant looking good. His window display at the Washington st. store is always attractive.

Johnston Bros., Dorrance st., have made extensive alterations in their store, by rearranging their counters and refrigerators, creating more available floor space and utilizing the space to better advantage.

W. S. Pino reports a good bulb trade in the past season, with very little surplus stock on hand.

The Florists and Gardeners' Club of Rhode Island is to have a banquet in the near future.

J. J. Canning made an elegant design for the Florists and Gardeners' Club of Rhode Island for the funeral of the late Wm. Appleton.

The Market

Prices on Roses have been good since Thanksgiving. If the cold weather continues there will probably be a slight advance. Prices are as follows: Roses: firsts, $8 to $15 per 100; seconds, $7 to $9; thirds, $4 to $7; Amer. Beauty, $6 to $30 per 100, but only in limited demand. Mignonette, $1.50 to $2.50 per 100. White Roman Hyacinths, $2 to $3.50 per 100. Narcissus Paperwhite, $2 to $3 per 100. Orchids, $5 to $9 per doz. Lily of the Valley, $4 to $5 per 100. Gardenias, $4 to $6 per doz. Carnations, $3 to $4 per 100. Stevia 25c. per bunch. Violets, 75c. to $1.50 per 100. Adiantum, $1 to $1.25 per 100. Boxwood, $8.50 per case of 50 lbs., 20c. per lb. Asparagus plumosus and Sprengeri, 25c. to 50c. per bunch. H. C. N.

Jamestown, N. Dakota

Trade in Dakota is locally on the increase. The short crops have affected the small town trade, though, and the crisis has forced us to accept notes in lieu of cash in large amounts. We are, however, plugging right along and shall put up another house, 50x140, in the Spring. Have not contracted but we are receiving bids on the frame work above the concrete.

Christmas stock is fine, especially so are a few plants of our new cross of White Perfection×Queen, which is very free and robust and which so far has not shown a split calyx or a flower under 3 ins. Shall grow it another year before giving it name or saying much about it.

Dakota has some splendid openings for growers, especially of Roses and Violets. Sweet Peas do excellently here; also; we are cutting some now on 12 in. stems, with 3 and sometimes 4 hanlms.

WHEELER FLORAL CO.

PRICE LIST — CHRISTMAS, 1910

Craig Christmas Specialties

Are known all over the country and are in greater demand each year. Having increased our glass area over 50,000 square feet, we are in a position to meet our fast increasing business. Our stock for the Holidays is superior in quality to any we have ever grown, nothwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following, in the sizes herein listed :

20,000 Begonia Gloire de Lorraine **3,000 Azaleas**

BEGONIA GLOIRE DE LORRAINE

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.
5-in pots, heavy .....$6 and $9 per dozen
6-in pots .....$9 and $12 per dozen
7-in. pots .....$15 and $18 per dozen
8-in. pots .....$24 and $30 per dozen

BEGONIA LONSDALE

We have a large stock of this light sport at the same prices as quoted above for Begonia Gloire de Lorraine. This variety is considered far superior to the original type, making a finer shaped plant, and holding the flowers much better. The color is a little lighter than the original Lorraine.

BEGONIA LONSDALE—Dark Sport

This variety holds it flowers better than any other, and owing to its great "keeping qualities," it will become a universal favorite.
5-in. pots .....$50 and $75 per 100
6-in. pots .....$1 each
7-in. pots .....$1.50 each

BEGONIA GLORY OF CINCINNATI

This variety is endorsed by all the leading retail florists and will in time displace Begonia Gloire de Lorraine. Do not overlook this grand plant when placing your order for Christmas.
5-in. pots .....$1 each
6-in. pots .....$1.50 each
7-in. pots .....$2 and $2.50 each

AZALEAS

Our Azaleas were never in finer condition for Christmas and include one full house of that sterling variety "Madame Petrick," also a large quantity of "Hexe" and "Vervaeneana."
5½-in. pots }
6 -in. pots } .....$9, $12, $15 and $18 per dozen
7 -in. pots }
Larger plants at $2, $2.50 and $3.00 each

BOUGAINVILLIA SANDERIANA

We have an exceptionally fine lot of shapely specimens at $2.50, $3 and $3.50 each.
These plants will command big prices when in bloom next Winter and at Easter time.

BERRIED AUCUBAS

Well berried and well colored.
7-in., 8-in., 9-in., and 10-in. pots .....
$15, $18, $24, $30, $36, $48 and $60 per dozen

GARDENIA VEITCHII

These are very strong plants and will make grand stock for Winter blooming.
2¼-in. pots, heavy .....$8 per 100; $75 per 1000
4 -in. pots, heavy .....$20 per 100; $180 per 1000
6 -in. pots, heavy .....$50 per 100
7 -in. pots, heavy .....$9 per dozen; $70 per 100

CROTONS

The Croton with its highly colored foliage is indispensable for the coming season. We have the largest and most complete collection of Crotons in America, of the very highest quality and brilliantly colored.
6-in. pots .....$1, $1.25, $1.50 and $2 each
7-in. pots .....$2, $2.50 and $3 each
8-in. pots .....$3, $3.50 and $4 each
10-in. ¾ pans .....$5, $6 and $7.50 each
We desire to make special mention of Croton Cronstadtii. This variety is one of the most beautiful and graceful of the Croton family.
6in in., 7-in. and 8-in. pots ....$1.50, $2 and $2.50 each
Every retail store should feature Crotons this Winter. We know our stock will please you and your customers. There is nothing handsomer for Christmas baskets.

DRACAENA MASSANGEANA

The variety with the golden stripe down the centre of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an exceptionally large stock, well colored, and of the very highest quality.
7-in. pots .....$24 per dozen
8-in pots .....$30 per dozen
9-in. pots .....$48 per dozen
10-inch pots .....$5, $6 and $7.60 each

DRACAENA FRAGRANS

(Ready now)
6-in. pots .....$5 and $6 per dozen

DRACAENA AMABILIS

Well-colored plants.
6-in. pots .....$18 per dozen
8-in. pots .....$2 and $2.50 each

PHOENIX ROEBELENII

This is unquestionably one of the great palms of the future, combining the grace of a Cocos Weddelliana with the hardiness of a Kentia. It will prove an invaluable plant for the house. Our stock in the following sizes is unusually fine.
8-in. pots .....$30 and $36 per dozen
8-in. tubs.....$3.60 and $4 each

PANDANUS UTILIS

Superb stock
8-in. pots, strong plants.....$18 and $24 per dozen

PANDANUS PACIFICA

Very handsome plants
11-in. tubs .....$2.50, $3, $3.50 and $4 each

PANDANUS VEITCHII

2½-in. pots.....$30 per 100

ARAUCARIA EXCELSA

5-in. pots, 4 and 5 tiers.....$9 per dozen, $70 per 100
6-in. pots, 5 tiers.....$12 per dozen

FICUS PANDURATA

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered. It will surely give satisfaction.
6-in. pots, 2 ft. tall.....$2 each
6-in. pots, 2½ ft. tall.....$2.50 each
7-in. pots, 3 ft. tall.....$3 each
8-in. pots, 4 ft. tall.....$4 each
10-in and 11-in. tubs, 6 to 7 ft. tall. $5, $6 and $7.50 ea.
The large plants are unusually fine
Branch plants, exceptionally fine,
$2.50, $3, $3.60, $4, $5.

ABIES NORDMANNIANA

$0.75, $1 and $1.25 each
In tubs, very large.....$2.60 each

BOXWOOD

Just Arrived—Unusually fine stock of all plants of all sizes .....$0.50, $0.60 and $0.75 each
Ball shape .....$1, $1.25 and $1.50 each
Heavy Bush Form .....$1, $1.25 and $1.50 each
Pyramid .....$2.25, $3, 3.50, $4 and $5 each
Pyramid Squared, very handsome, in fancy tubs, $12.50 each
It will be well to place your order for the above at once. We will hold for future delivery or ship now.

ARECA LUTESCENS

Perfect plants with rich dark green foliage. Our stock is in splendid condition.
7-in. pots, heavy, 3 plants, 36 in. tall.....$24 per doz.
7-in pots, heavy, 3 plants, 40 in. tall.....$30 per doz.
8-in. pots, heavy, 3 plants, 42 in. to 44 in. tall, $36 per dozen
8-in. pots, heavy, 3 plants, 48 in. tall.....$3.50 each

NEPHROLEPIS—IN VARIETY

We are now the largest growers of Nephrolepis Ferns in the country, in the following varieties; in fact, we are headquarters for them. The demand increases each year and it is our aim to have every variety in Nephrolepis, in every size, every day of the year.
May we have your Christmas order on Ferns? Excellent values in all sizes.

NEPHROLEPIS AMERPOHLII

Philadelphia Lace Fern
6-in pots.....$6 and $9 per dozen

NEPHROLEPIS TODEAOIDES

London Fern
This variety we consider the best of the upright growing plants.
2¼-in. pots.....$6 per 100, $45 per 1000
4-in. pots.....$20 per 100
6-in pots.....$6 and $9 per dozen
8-in pots.....$12 per dozen
11-in. tubs .....$24 per dozen

NEPHROLEPIS SCHOLZELI

This is an ideal crested Fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.
2¼-in. pots .....$8 per 100, $75 per 1000
4-in. pots.....$20 per 100
6-in. ¾ pans, heavy.....$6 and $9 per dozen
8-in. ¾ pans, heavy.....$12 and $15 per dozen
10-in. ¾ pans, heavy.....$24 per dozen
12-in. ¾ pana, heavy.....$4 each

NEPHROLEPIS ELEGANTISSIMA IMPROVED

This variety is a greatly improved Elegantissima and shows no tendency to revert to the Boston. This will prove a valuable addition to the crested varieties.
6-in. pots, strong plants.....$6 and $9 per dozen

NEPHROLEPIS ELEGANTISSIMA COMPACTA

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape. Our stock of this variety is large and of exceptional quality.
2¼-in. pots.....$10 per 100, $90 per 1000
4-in. pots.....$25 per 100
6-in. pots .....$6 and $9 per dozen
8-in.pans .....$12 and $15 per dozen

NEPHROLEPIS SCOTTII

Our stock is in superb condition
2¼-in. pots.....$6 per 100, $45 per 1000
4-in. pots.....$16 per 100
6-in. pots.....$6 per dozen, $45 per 100
8-in. pans.....$12 per dozen
10-in. pans.....$18 per dozen
11-in. tubs, heavy.....$2 and $2.50 each

NEPHROLEPIS BOSTONIENSIS

11-in. buckets.....$3 and $3.50 each

NEPHROLEPIS GIATRASII—NEW

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.
2¼-in. pots .....$12 per 100

ASPARAGUS PLUMOSUS NANUS

2¼-in. pots .....$4 per 100, $35 per 1000
3-in pots.....$7 per 100, $65 per 1000

ROBERT CRAIG COMPANY

49th and Market Streets, ***Branch: Norwood, Pa.*** **PHILADELPHIA, PA.**

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

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Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
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Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY

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3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 16th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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Sorts for Immediate or Spring Delivery

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PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

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WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries

OUDENBOSCH, HOLLAND

Proprietors { U. J. HEERMA VAN VOSS
H. A. M. SWELLENGREBEL

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Leonard Oorthuys
POUGHKEEPSIE, N. Y.

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F. E. — Alert and Up-to-Date

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

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40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

D. T. McCARTHY & SONS

Nurserymen and Florists — Lockport, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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Chestnut Hill, PHILADELPHIA, PA.

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Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

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August Haerens

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Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
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English Ivy

Strong Bushy Plants

From 4-in. pots - - $12.00 per 100
Rooted Cuttings - 10.00 " 1000

Peter Wenk, OZONE PARK (L. I.) N. Y.

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We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

Araucaria Excelsa

5-inch pots, 4 to 5 tiers, 16 to 18 inches high, 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 5 tiers, with more spread, 18 to 20-inches high, 75 cents each; $7.50 per dozen.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Ornamental Trees and Shrubbery of All Kinds

THE WM. H. MOON CO., Morrisville, Pa.

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinispores, Arbor Vitae, Colorado Blues, etc.

Also in Celtis, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

Please mention the Exchange when writing.

LADY GAY and DOROTHY PERKINS ROSES

Field-grown, cut back to 2 to 3 feet of wood.
$5.00 per 100; $40.00 per 1000.

FLORENCE NURSERY - . - Florence, S. C.

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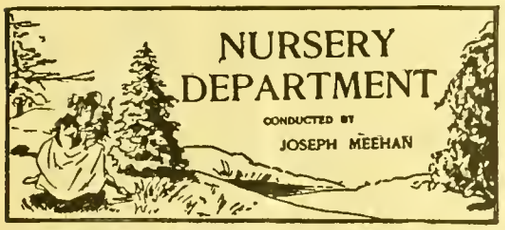
THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

BRISTOL, IND.—Saddler Bros., of Bloomington, Ill., have bought a 440-acre tract of fine land in Starke Co., Ind., and will devote the same to the upbuilding of a large nursery business.

GAYS MILLS, WIS.—The Gays Mills Fruit Farm & Nursery Co. has acquired 100 acres of land at Gays Mills and will plant the entire acreage to Apples.

COLLEGEPORT, TEX.—E. S. Stockwell & Son of the Gulf Coast Nursery at Alvin have purchased land at Collegeport and will at once begin the development of a branch nursery at this point. They will also plant 100 acres to Oranges as an orchard.

AUGUSTA, GA.—According to a despatch in the Charleston, S. C., Post, Fruitlands, the famed nursery owned by the late Prosper J. Berckmans, is to pass out of the control of his sons into the hands of his widow, who was Mr. Berckmans' second wife, the sons being by the first. Several years ago Mr. Berckmans retired from active business and the sons took over the control of Fruitlands through a holding company in which Mr. Berckmans retained a large interest, however. No will has been filed, but a deed has been recorded in the clerk's office, whereby the entire Fruitlands property is made over to the widow. The lease of the company will not expire until 1918.

Thuja Vervæneana

For usefulness in itself and in its many varieties there are few evergreens with a reputation so well deserved as the American Arborvitæ, Thuja occidentalis. One of its varieties, representing it in all respects save in color, is the Vervæneana, the one our photograph represents. Everyone who knows well the common type will remember its green color throughout. In some of its varieties, such as the George Peabody, the ends of the young shoots are of a lovely golden yellow color; in others, the Victoria, for instance, the tips have a white variegation, while Meehani has light golden ends. In Vervæneana there is no shading or distinct marking of color, as the entire foliage is of one shade, and this is a faint golden color, partaken of by every part of the foliage. There are colors and variations of colors on some evergreens which do not please, but this is not the case with this Arborvitæ, Vervæneana. It is admired by everyone, both for its appearance and for its well doing. Being a variety of a native tree it would, of course, be expected to be hardy, though sometimes varieties differ in hardiness as well as in other features; but this one maintains all the hardiness of the type, appearing as fresh in Spring after a hard Winter as it did at its commencement.

Planters of experience will not need the caution which may be given to beginners regarding the kind of stock to plant. Notice how straight and erect growing the specimen is that is illustrated! It is because it has but a single leader from the ground. Had it two, as many have, whenever a heavy snow came there would be a spreading apart of the two; and when this occurs, though the tops right themselves in a way, they are never as satisfactory as the single branched ones, as ours is. It is often better to cut away one of the branches as close to the ground as possible without too great disfigurement, bringing the specimen to a single leader.

Mulching Nursery Stock

Not many nurserymen have their grounds located near large cities, but many florists have, and to those who are so situated the getting of manure is an easy matter, many stable owners being glad to give the manure away for the hauling. There is no better material to use for mulching than manure, for no matter whether the object of the mulch is to protect the plants or to fertilize, there is nothing equal to it. Applied in early Winter, its food will have worked into the ground well before Spring, a fact the plants will show in their bright green foliage and increased growth when the growing season is on. A good heavy coat of manure should be applied.

Manure is of use to all nursery stock, big or little, for its food value, but, when stock is well established, a mulching to keep the frost out is not required, unless it may be in the case of newly transplanted stock, when it is much better for them to have their roots in unfrozen ground than otherwise. Small plants, herbaceous and the like, are apt to be lifted out of the ground by the freezings and thawings of Winter, hence mulching to prevent this is a great help to them. The mulch is better applied before freezing up, as it prevents frost penetrating deeply, a decided gain to the plants; on the other hand, a wheelbarrow is more easily used when the ground is frozen.

The Symphoricarpos

As seen in Autumn and early Winter, the bushes of Symphoricarpos, the red and the white berried, may be classed among the most ornamental of the season. The flowers of neither one are of much distinction, but when it comes to the ripening of the berries their claim for attractiveness is disputed by no one. The red-berried one is S. vulgaris, the white one, S. racemosus. Those of the former are not as large as those of the white one, the latter being of the size of a large marble, but they are clustered along the slender branches in great profusion; and the display they make lasts all Winter. We are led to refer to them now because of an inquiry from a reader who lives along the Schuylkill River, in Pennsylvania, and who asks advice as to what to plant to keep the banks from washing away, which they are doing, he says, in every severe flood. The Symphoricarpos is one of the best of shrubs for the purpose, forming numerous underground shoots as well as roots in abundance, and when above ground it forms a tangle of branches which also holds back the soil and adds to its value. This shrub may be planted alone along the banks of small streams, but where waters rush swiftly some strong growing trees should border the water as well. Willows always come to mind for the purpose; they make lots of roots and at the same time delight in the moisture they meet with there. Cornus sericea and Alnus serrulata are large growing shrubs of much value; so is the Spice Bush, Lindera Benzoin. The Pin Oak makes a lot of roots, so does the Red Maple, Acer rubrum. Red Birch, Betula rubra, is a good river bank tree, making many roots and delighting in the proximity of the water. With such trees and shrubs as these for an interior line, and the Snowberry for the facing, there would be great resistance to a rush of water.



Thuja Vervaeneana

Usefulness of Pinus Cembra

Evergreens in pots or tubs are becoming more common every day. It is something to have them in this shape to do duty wherever they will be useful—in the Summer season on the lawn, and near to or within a dwelling in the Winter months. It is recognition of the wisdom of the older gardeners who used to keep in tubs Oleanders, Pomegranates, Lemons, Pittosporums and Laurels for uses somewhat similar to those which gardeners of today find in evergreens and other plants. To form an idea of the immense trade in evergreens for potting, one should note the shiploads of them coming to our ports in these days. A single dealer will have almost a shipload of such stock in the height of the season.

It is almost all evergreens that are used, and of them those of a coniferous nature come first. At this season of the year Hollies and Box are used chiefly, looking forward to Christmas sales; the Spring brings a miscellaneous collection of Retinisporas, Yews, Pines and the like. A very useful pine is the Pinus Cembra. It is a slow grower, just what a pot plant should be, forms a well-shaped shrub, neither too bushy nor too thin. Because of its slow growth it can remain in the same pot for years, asking only a renewal of surface soil, to give it something to feed on.

What florists like about this Pine is that it is one of the easiest of all Pines to transplant. It is strange how Pines vary in this respect. Take the Austrian as an example, there is not another more difficult to transplant, and, vice versa, P. Cembra is one of the easiest. Importers find that not one plant in a hundred will miss growing. The secret seems to be that it depends on the roots. Those who contend that trees do as well with roots cut off almost to the trunk as with a quantity of them may continue to so preach. The successful planter will tell you that trees that have been blessed by Nature with quantities of roots are trees that grow, the Cembra Pine as an example.

Albizzia Julibrissin

A correspondent writes us that he has seen the Albizzia (Acacia) Julibissin flourishing well in the White House grounds, Washington, and asks whether this tree is sufficiently hardy to endure the Winters of Delaware County, Pa., where he resides. We should say there is no doubt it would flourish there, as this county is south of Philadelphia, and the tree can be seen today flourishing in two localities in Montgomery Co. in the same State, and north of Philadelphia easily 35 miles from the place the correspondent writes from. The situation of the ground when planted is a great factor in the well doing of this tree, as it is, of all trees, not over hardy. What all such trees demand is to be planted on comparatively high ground, and to be on the lee side of a belt of woods, a dwelling, or an evergreen which will break the winds in Winter; also to have a heavy mulching of some kind placed above the ground, to keep the soil from freezing to a great depth. The position on high ground ensures a thorough ripening of the wood, which means half the battle won in its preservation. Then the woods, evergreens or buildings will protect it from driving winds which would injure it, and the heavy mulching would help toward insuring that the roots are in unfrozen ground, a something of far more importance than many imagine.

This Albizzia is known among old school gardeners as Acacia Julibrissin, but Albizzia is now its recognized name. It has true Acacia foliage, and its flowers, which are produced in purplish tufts, are singularly pretty. Those intending to plant it should either start with a young plant and protect it in Winter for some years, until it is strong, or else begin with an older one already provided with hard wood.

Berry Bearing Roses

Among plants, shrubs and trees planted for their fruit pods, rarely are Roses thought of. They are not altogether overlooked though, for nurserymen say that landscape gardeners make large calls for such Roses at times. Well may they do this, for wherever they are planted in numbers to make a display their attraction in Autumn is very great. It is well understood that single flowered varieties, true species, are the kinds that give fruit in the greatest profusion. Some of the hybrid and other kinds, double and single, do occasionally bear berries; the Jacqueminot Rose for one, will often perfect them; but when one wants to see a sight he must find a block of our wild Prairie Rose, R. setigera, or the Japanese multiflora, bushes of which will bear pods by the thousands.

Our wild Swamp Rose, R. Carolina, bears its berries profusely when its plants are vigorous; so does the N. blanda and R. humilis, low-growing bushes, found along waysides.

The European species, N. Canina, and the Sweet Brier, R. rubiginosa, are on the list; and since the Japanese R. rugosa is now so well known it is valued as much for its display of fruit in Autumn as for its flowers in Spring.

Probably, of all those named, the R. setigera, R. rugosa and R. multiflora are the most planted. R. setigera is valued for its beautiful flowers in late Spring, of large size, single, pink, and in profusion; it is greatly admired, and being a climber is often used for covering arbors and like structures.

R. rugosa is in two colors, pink and white. It is not simply a Spring flowering Rose, but it flowers now and again throughout the Summer, finishing up with its bright colored, large fruit. Beside this, owing to its robust growth and foliage, it is handsome all Summer long.

The Japanese species, R. multiflora, flowers so freely that its foliage can hardly be seen at the time. The flowers are white, small, but in immense clusters; its berries are small too, but are in great abundance.

J. Blaauw & Co. Boskoop Holland

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Height	Diameter		Height	Diameter		Height	Diameter	
Plants, 15 in. x 12—15 in..		$30.00 per 100	Plants, 3¼ ft. x 2½ ft.		$2.50 each	Plants, 4 ft. x 2¾ ft.		$3.50 each
" 2 ft. x 1⅓ ft.		1.00 each	" 3½ ft. x 2⅔ ft.		3.00 "	" 4½ ft. x 2¾ ft.		4.50 "

Catalogue free on application

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STRONG STOCK PLANTS, $4.00 per 100. Tonset, Alice Byron, Timothy Eaton, Yellow Eaton, Mrs. Duckham and Pacific Supreme. Will exchange these, or Smilax Plante for Fern stock.

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A lot of **splendid planta.** These I will **sell cheap,** but as there is a vast difference in the quality of California Privet, of a given height, I do not name prices here. Please write for quotations, stating size and quantity desired. I have for sale, about

75,000 two years, 2 to 3 feet, extra bushy and fine.

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12 to 18 inch, branched	$1.25	$8.00
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Our new list for 1911 will be ready soon. Send for copy.

SCOTT BROTHERS

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WHAT IS IMPOSSIBLE?

If any one had the audacity five years ago to state his Chrysanthemum crop covered a period of half a year, he would have been considered a fit subject for honorary membership of the Ananias Club.

Many little realize how rapid the advancement is in thie class of plants. The advent of our Golden Glow, three years ago, made it possible to advance the flowering season three months.

Our New White, **Smith's Advance,** was cut July 25th.

Our New Bright pink, **Unaka,** was cut Oct. 1st.

Our New Yellow, **Chrysolora,** was cut Oct. 15th.

Our New Bright Crimson, **Dick Wittersiaetter,** was cut Oct. 25th.

Our New Intense Yellow, **Roman Gold,** was cut Nov. 1st.

Our New White, **Thanksgiving Queen,** was cut Nov. 20th.

Our New White, **December Gem,** was cut Dec. 1st and later

Here are the six months and they comprise the four best colors for Florists' use.

They have all been Certificated by the Chrysanthemum Society of America. Don't be misled by any statements that there are others just as good.

Our Exhibition Novelties are equally meritorious, all of the largest size and finest form and finish.

We have named them **Poughkeepsie, Glen Cove, Lenox, Morristown** and **Tarrytown.**

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From 3-in. pots, $5.00 per 100.

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4-in., $12.00 per 100; 3-in., $3.00 per 100.

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From 3-in. pots, $10.00 per 100.

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LOBELIA. New double blue, $2.00 per 100.

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SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

VERBENAS. Mammoth set, unsurpassed, $1.00 per 100, $8.00 per 1000.

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GLADSTONE	The peer of all Spireas. Introducer's original stock	$8.50	$80.00
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Marvelous Double Petunias
T. B. Shepherd Co., Ventura, Cal.

New Strains of California Petunias

These strains of Petunias have been bred to their present state of perfection from mongrel-stock of fringed hybrids and Giants of California combined with two plants of Benary's superbissima and one Alphonso. These last were not good field seeders so the pollen was used on good seeders for stock seed. While the new strains have some of the Benary characteristics, the breeder, Mrs. Francis of the Theodosia B. Shepherd Co., Ventura, Cal., feels that much has been done in her four years' work to refine them.

The flowers stand out on the plants with much longer stems and the texture is fine and satiny without much of the coarse veining so pronounced in the German strains. In fact, delicacy of texture is what the breeder has sought for. The strains are in colors of rose, blue, white and variegated, a very small percentage of reds being grown. Many of the Giants measure six and six and one half inchea across. The white with yellow throat is of a beautiful thick satiny texture and pure dazzling white. "Fluffy Ruffles" is just what its name implies; it ia so ruffled that the throat is often almost entirely obscured. Most of the doubles in the picture are from self seeding plants. The self seeding doubles originated in the Shepherd gardena in 1907. They are a large flowering fringed type in white, lavender, pink and variegated, and, though the flowers vary as do the Singles in color and size, a large percentage come double.

S. A. F. and O. H.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registrations of the Chrysanthemums, Smith's Advance, Unaka, Chryaolora, Paper White, Minta, Morristown, Oceanic, Glen Cove, Lenox, Tarrytown, Poughkeepsie, Madison and Dick Witterstaetter, by Elmer D. Smith Co., Adrian, Mich. becomes complete.

Registration of Geraniums

Public notice is hereby given that F. H. De Witt, of Wooster, Ohio, offers for registration the Geraniums described below. Any person objecting to the registrations or to the use of the proposed names, is requested to communicate with the Secretary at once. Failing to receive objection to the registrations, the same will be made three weeks from this date.

Raiser's Descriptions.

Panama.—Originated in 1909 by F. H. De Witt, a cross between Dryden and Pamela. It is a strong grower and much brighter in color than Dryden; the trusses of bloom are very large and have long, stiff stems, very free in bloom; single flowers.



Petunias—Fluffy Ruffles
T. B. Shepherd Co., Ventura, Cal.

White Cloud.—Originated in 1909 by F. H. De Witt, a cross between Mlle. Anastasie Lecadre and Pamela. Growth of medium height; clusters large, foliage of medium size; color pure white; single flowers.

Ruby.—Originated in 1909 by F. H. De Witt, a seedling of S. A. Nutt crossed with Pamela. Growth similar to S. A. Nutt; large clusters on long stems; color dark currant red, suffused with violet; semi double flowers.

General Wooster.—Originated in 1909 by F. H. De Witt, a seedling of S. A. Nutt crossed with Jean Viaud. Plant of dwarf habit, thick foliage, large trusses borne on heavy, rigid stems; color rose pink; semi double flowers.

Barnaby Rudge.—Originated in 1909 by F. H. De Witt, a cross between S. A. Nutt and Red Wing. Very strong grower; free in bloom; compact trusses; color rich carmine; double flowers.

Bright Eyes.—Originated in 1909 by F. H. De Witt, a cross between Jules Lametre and Jean Viaud. Of the Cyclops type; growth dwarf and compact; the florets are very large; the trusses of medium size and freely produced; color, bright red shading to violet with an unusually large white eye; single flowers.

December 8, 1910. H. B. DORNER, Secretary.

New Hybrid Tea Rose Councillor Glaser

Large as the assortment of Roses now is, there is still a dearth of good yellows for cut flower purposes, as most of the older as well as of the more recent varieties have the bad habit of opening imperfectly in rainy weather. But the new Rose Stadtrat Glaser (Councillor Glaser), which the rosarian Hermann Kiese, of Vieselhach, near Erfurt, Germany, is now putting on the market, combines all the good qualities which make the Rose Pharisee so desirable as a cut flower; it may, therefore, be designated as a yellow Pharisee. The bud is long and, while not very double, keeps well. The color of the open flower is sulphur yellow, shading into cream, the edges of the petals having a reddish tinge. The foliage is brownish red. The habit of the plant is sturdy, and the buds come singly or in clusters of three on straight stems, 20 in. or longer. Councillor Glaser, which is named after that well known lover of Roses, Glaser of Karlsruhe, Germany, is the result of a cross of Pharisee with a yellow seedling It has been awarded the silver medal of the Society of German Rosarians, and also an honorary prize. It is highly recommended as a Rose for grouping and for cut flower purposes.—*Moeller's.*



Petunias—White with Yellow Throat
T. B. Shepherd Co., Ventura, Cal.

The Week's Work

BY

FPITZ BAHR

Clean Pots and Foliage

Both of These Requirements are Often Overlooked

Because there is hardly a plant sold at Christmas without a suitable cover of some kind around the pot is no reason why every pot should not be cleaned before it goes to the show house or is shipped to fill an order. The nicest way is to handle nothing but new pots for the Cyclamens, Lorraine Begonias, Primulas and other plants. However, we can't always do this. When a pot is exposed any length of time to the greenhouse atmosphere it is bound to collect dirt of some kind, as well as fungus growth, making it look unsightly. While it isn't even a good plan to have such pots on the benches when the stock is growing, none should leave the place without being properly cleaned. Now about the foliage of the plant; this is as important as the flowers, every bit. It should be perfectly clean, so as to show to full advantage all the beautiful markings and shades which can only be found in a Cyclamen leaf; the least dust or dirt will render these marks invisible. The large grower who has uptodate houses with perfect roofs, houses located so as not to get any of the dust of the boiler pit and potting shed, isn't bothered as much as the small man in this respect. Quite frequently a Cyclamen looks clean until one gets started to clean it. Only too often we find plants, such as Palms, Aspidistras, Pandanus, Ficus, Dracænas and other foliage plants on display with dusty leaves. Nothing detracts more from their beauty than such a condition, and the best plants ever grown are worth less in dollars and cents when displayed in this way. Any of the plants mentioned are great dust collectors, and the least bit of dust shows on the surface of the leaves. It is time well spent to go over the plants in the Palm or show house occasionally, and especially is this true with those of us who have boilers or stoves anywhere near the houses, close enough to get coal or ash dust from them. It is almost needless to say that care should be exercised in washing the leaves of any plant. We all have a way of our own, and any way is a good one that will do the work quickly without breaking the foliage.

Christmas Notes

Don't Overlook Having a Full Stock of Supplies on Hand.

Are you all ready? It isn't always the fact of not having sufficient cut flowers or plants on hand that is liable to give us trouble and cause for worry. We are apt, in the rush of things, to overlook other things, and the country florist, the one oftentimes many miles away from the large markets, is liable to be greatly inconvenienced by having neglected to order or stock up in his supply lines, or on account of unexpected heavy business finds himself short in certain lines. The retailer in the large cities, located a few blocks away from the wholesale and supply houses, need not worry much in this respect; he can, in a few minutes, get what he wants. Especially at Christmas do we need a good supply of heavy wrapping material. Let us hope we will have to do but little wrapping—but be prepared for the coldest of weather. There are many of the smaller retail growers who are not supplied with a top wagon. In such cases a good large box is a good thing—not a clumsy affair, nor need it necessarily be bad looking; let it be a neat, plain looking affair, properly lined, allowing about 4½ ft. of head room, with a side opening, or, rather, an opening at one end. This box should fit into a wagon, placing it so as to allow the doors to open. Such an outfit, about 3x4 ft., can be lifted into the store, filled with orders and placed on a wagon when ready to deliver. Have a good supply of tissue and waxed paper on hand; the waxed paper is of great value in wrapping plants with, perhaps, moist foliage on cold days. Tissue paper will do for the next layer, but not against the moist surface of the leaves of the plants. A good number of waterproof crepe paper rolls in red and green, and a few white, should be ready. Every plant sold will want a pot cover, and when you run short of ready made ones it is very handy to have plenty of this paper, which forms the very best material for pot covers. Sheet moss is a good thing to also have plenty of; there is nothing to take its place between the plants of Lily of the Valley or Roman Hyacinths. How is the stock of ribbons and the waterproof chiffon? What a great help this is to us; we wonder how we got along without it. Take a few minutes off and go over the stock of the supplies—you may find yourself short on several things.

Seeds to Sow

Shamrock, Vincas and Calendulas on the List Now

Among the seeds to be sown at once, a small package of Shamrock should be included. While we have several plants which are known under the name of "Shamrock," of the better known are Oxalis Acetosella, or Wood Sorrel, and Trifolium repens, the white Clover. The latter is what the florist sows out now in order to have plants ready for March 17 next. There are but few of us who have not call for at least a few of them, in 2½-in. or 3-in. pots, on that day; in fact, of late years St. Patrick's Day has grown in importance, on account of the great number of dinners which are given, everyone of them calling for more or less flowers; and while these dinners are by no means given by people of Irish descent alone, the Shamrock plays an important part on every table; therefore, let's grow a good supply. Your Carnation house will do nicely. If you use Vinca rosea or alba in your bedding work next Spring, it isn't any too early to sow seeds out now, for the Vincas are slow growers and need five months to develop into fair sized plants. The average florist hasn't very much call for them, and yet where a variety of formal bedding is wanted they deserve a place, for few other plants we use for bedding make a better showing. For next Easter flowering, Calendulas ought to be sown out now. As with many other plants, to see a Calendula at its best is only possible when grown indoors. While the color is not as desirable as a clear white, pink, or blue shade would be, yet every retailer can sell quantities of Calendulas. Their culture is simple. Avoid a high temperature, not over 50°; sow in flats; transplant the little seedlings into 2½-in. pots and later into a bench, allowing 8 in. to 10 in. of space between the plants. Orange King is a very good sort to grow for indoors, and, as the name implies, is of an orange shade of yellow; when well grown, in good soil well drained, one can get great flowers with fair stems, which always sell, especially when he retails the stock, a course always of great advantage. Calendulas, like Chrysanthemums, can be cut and used for a dinner table decoration, for instance, when only partly open; but if there isn't any demand for the flowers they can remain on the plants for several weeks without losing in value. The retailer, the one who buys everything he sells, can't do this.

Pot Roses

Timely Work on Those Intended for Indoor Blooming

Roses which have grown in pots during the past Summer, such as those belonging to the Rambler family, including the Baby Ramblers, whether they are intended for forcing during the next two months or for Easter, should now be under cover. Even those potted up late last Fall should be in a drip frame, or cold house. It isn't that any of them are to be expected to start into growth, although the pot-grown Baby Ramblers started slowly now will be found good salable stock when in bloom—the slower they start the better. When once they do show active growth a little increase in temperature might be given. There can't be anything more disagreeable than handling a lot of frozen pots of Roses with long thorny canes and covered with snow. Have the plants somewhere in a frame or pit where this can be avoided. If you have hybrid Roses they can be cut down now to about six inches from the base of the plant; that is, the heaviest wood; 4 in. to 5 in. is sufficient for the lighter wood; anything like their side growth remove altogether. The Baby Ramblers need little or no pruning, while the tall growing sorts should have their canes cut back to about 3 ft. or 4 ft., according to the growth they have made. Bend the long canes over and tie the ends down to the root neck of the plant. The breaks from these canes are going to produce the flowers, and to cut them down as we do with the Hybrid Perpetuals would be wrong; for if deprived of this wood the Rambler Roses would only produce leaves and canes for another season's flowering. Heavy freezing does not hurt any of them, but to expose the wood to too much of it, or allow it to freeze and thaw out repeatedly is wrong. If for any reason the plants are to be left outdoors for another month, they should be properly protected with a good covering; not so much to prevent them from freezing but to let them, when once frozen, remain so and keep the sun away from them.

Tulips

For Early Forcing the Bulbs Should be Brought into Heat Now

The florist has more use for La Reine Tulips than almost any other variety grown. Their color, whether a snow-white or, as we often see it, a delicate pink, can be used for so many purposes, and when you add to this forcing qualities, this variety is one of the very earliest and holds its own against all the many other sorts that we use for late forcing. One can't help but call it "the florist's Tulip." For early forcing the present might be called the proper time to bring in the first flats. The specialist has done so already; but him alone does it pay to force Tulips in early December, for only with the proper facilities and attention can one get enough of the bulbs to produce good flowers in order to realize a profit. Even when everything goes well, there is bound to be quite a percentage of imperfect flowers or stems. But from the middle or end of December well-rooted bulbs brought in for forcing will pay every retail grower. If only one-half dozen flats are to be forced at a time a frame of about 3x6 ft. in diameter will answer. Have this frame about 12 in. in depth and place it over a bench with good bottom heat. A good way is to place several inches of soil or sand over the bench boards wherever the flats are to stand; at the ends or one end of the frame leave an opening in the bottom of the bench to allow the heat to enter the frame freely so as to be able to maintain a temperature above the flats of about 90°. The frame, of course, must be covered either with a hotbed sash or boards, and the Tulips must be kept in darkness until the proper length of stem is obtained, if possible. What it means to expose any plants to such treatment and allow them at any time to be in want of water should be borne in mind; one good drying out will ruin them. Avoid it! Water of a temperature of 95° for watering will help to get them to bloom, while water of 40° to 50° will chill them and set them back—and yet this is often done, and the man doing it is most anxious to know why he isn't successful in forcing Tulips.

The Bulbs

Those Ontdoors in Flats Need Good Protection

If you have most of your Tulips, Narcissus and Hyacinths out of doors, the present is a good time to think about covering them in a way that will make it possible for you to get at them during the next three months, without having to go through one or two feet of frost. While a great deal depends on how the flats were covered when brought out, and how thick the layer of leaves or straw manure is over the six to eight inches of soil on top of them, additional covering now is, in most places where the thermometer goes down to and below zero, necessary. A little frost, just enough to reach the bulbs, does no harm; in fact, a Tulip or Hyacinth does far better when exposed to frost than when we try to grow or rather force them without subjecting them to it. Attempts made to keep the flats, even in a Violet house temperature, indoors, expecting good results, are hardly ever successful. If you should have one hundred or even several hundred flats outdoors, put on a good covering now of long straw manure, and, if on hand, place some old boards or shutters on top of the manure—this will enable one to remove snow in short order. Have you provided proper divisions and labels between the different sorts? This is so important, especially where there are only a few flats of each sort, and many varieties. If the labels used are only short ones, now is the time, before the extra covering goes on, to put in long ones, so as to be able to see what you are after and doing, when ready to bring in a lot of flats. Often we have occasion during the Winter months, when an order given ahead of time calls for a certain shade of color in Tulips or a certain variety of Narcissus, to uncover, and the only way to know that the right thing is being brought in and forced is to have each flat properly labeled, and in a way so that the label can be seen and read. Small labels in the flats are all right, but not sufficient.

CLUBS and SOCIETIES

Albany (N. Y.) Florists' Club

A set of new officers will be installed by the Albany Florist club on Thursday evening, Jan. 5, 1911. At the meeting on the evening of December 1, nominations and elections were held together, with the following results: President, Frederick A. Danker; vice president, Edward P. Tracey; treasurer, Patrick Hyde; secretary, Robert Davidson; trustees, William Newport, J. H. Snyder, Charles Sanders, William C. Gloeckner, John J. Berberick and Louis Menand, Sr. Arthur Zirkman of Philadelphia was elected a member. Frederick Goldring, who served as president for three years, declined a re-election and will retire from office with the best wishes of the members. Following the business meeting a social time with refreshments was enjoyed.

New Jersey Floricultural Society

A regular monthly meeting of the New Jersey Floricultural Society was held, on Friday evening, Dec. 9, in its rooms, 240 Main st., Orange. Election of officers was held, and all the old officers were re-elected, as follows: President, Albert F. Larson; vice-president, Dederich Kindsgrab; treasurer, Walter M. Gray; secretary, William Reid. It was decided to have two classes hereafter in the monthly competition, to be known as A and B; the B class will be for the smaller growers. The executive committee will meet on Dec. 17 to arrange the schedules and prizes for the monthly exhibitions for the coming year. The competition for this year will close at the January meeting. The silver cups will be given to the winners in the various classes at our annual smoker, which will be held in February. Eugene Von Tombacht was elected to membership in the Society, and eight candidates' names were put in nomination for membership. William Reid, gdr. to Sidney M. and Austen Colgate, read a paper on "The Care of Apple Trees," and was given a hearty vote of thanks.

The following were the points awards of the judges: Roses: A. B. Jenkins, Albert F. Larson, gdr., 93; Thos. A. Edison, Frank Drew, gdr., 90; S. M. and A. Colgate, William Reid, gdr., 90. Carnations: Wm. Reid, 95; Chas. Hathaway, Max Schneider, gdr., 85; Seedling Carnation, William Reid, 80; Begonia Gloire de Lorraine, William Reid, 90; Nephrolepis Scholzeli, William Reid, 80. Collection of Orchids, Lager & Hurrell, 85. Certificates were awarded to Chas. Hathaway for Chrysanthemums, A. B. Jenkins for Roses, Thos. A. Edison for Roses, and to the Essex County Country Club for Carnations and Sweet Peas. The judges were Chas. Washmead, Malcolm MacRorie and Edward Eccles.

WILLIAM REID, Sec.

Pittsburg F. and G. Club

The December meeting, held last week in the Fort Pitt Hotel was very well attended, and quite interesting. President F. Burki being absent, Vice-President P. S. Randolph presided. T. P. Langhans, W. Clark and your correspondent were appointed a committee to invite R. Vincent, Jr., of White Marsh, Md., to the city some time in January, to show his pictures from Holland and the Brussels exhibition. S. S. Pennock-Meehan Co. sent a nice bunch of cut blooms of Robert Scott & Son's (Sharon Hill, Pa.) new Roses, Double Pink Killarney and Melody, which were much favored. Double Killarney is certainly an improvement over Pink Killarney, and a most valuable acquisition to the trade; Melody is a fine yellow Rose, but the demand for this color Roses is less than it used to be.

Mr. Featherstone, gardener to H. J. Heinz, showed some fine plants of Begonia Lorraine, Glory of Cincinnati, and exceptionally good Cyclamen.

D. Frazer, gardener to H. C. Frick, showed white Lorraine Begonia, a splendid plant, which is not grown as much by commercial florists as it should be.

Foreman J. Jones, of the Phipps Conservatories in Schenley Park, showed Begonia Glory of Cincinnati, and stated it was a great improvement over the old Lorraine in every way and the best of all Begonias to date.

P. S. Randolph, of Randolph & McClements, showed a few plants of Adiantum Farleyense grown by a boy of 16 years; a Swede in his employ, who is growing them by the thousands successfully, which has never been done heretofore in our locality. He also showed Begonia Agatha in 4-in. pots which sells readily and is as easy to grow as any ordinary plant.

F. Crook and F. Wissenbach, private gardeners, showed a fine lot of Mushrooms grown by them from the "Direct Pure Culture Spawn," which, they claim, is the best on the market and comes more even than the other spawn. Both gentlemen gave their cultural directions minutely; these seemed simple enough and I am afraid ere long the market will be glutted.

Mr. McCallum, of the West End City Park, brought in some sprigs of Winter berries in variety, such as Barberry, Matrimony Vine and a few varieties of Euonymus, good decorative material for the holidays.

Messrs. Langhans & Clark, of the Pittsburg Cut Flower Co., wholesale commission house, exhibited some devices for florists' use, such as Pine Cone for decorative purposes, security staples, used to secure cut flowers in boxes, etc., also the new deodorizer called Odozone, which seems a good thing if put in general use.

P. Demas, of the Florists' Exchange commission house, who returned a few weeks ago from Greece, was called upon to say something of that country. He stated he could not tell anything about the trade as the florists' business did not amount to much in the southern countries of Europe; he was worried over the trouble they are having with Turkey, and would be only too willing to fight for the rights of Greece. Mr. Demas visited his mother in Sparta, who is hale and hearty at the age of 115 years.

At the next meeting of the Club, in January, nomination of officers for the new year will be made.

E. C. REINEMAN.

Dreer's Holiday Offer of Decorative Plants

PALMS—DREER'S STANDARD QUALITY AND VALUE

Areca Lutescens

Splendid Plants of Good Value.

6-in. pots, 3 plants in a pot, 30 to 36 in. high..$1.00 each
7-in. pots, 3 plants in a pot, 36 in. high.... 2.50 each

Cocos Weddeliana

Splendid Plants of Good Color.

3-in. pots, 8 to 10 in. high..$2.00 per doz., $15.00 per 100
5-in. pots, 18 to 24 in. high.....$0.75 each
7-in. pots, 36 to 42 in. high..... 2.50 each
8-in. pots, 36 in. high, heavy..... 5.00 each

Kentia Belmoreana

	Each
6-in. pots, 6 leaves, 20 to 24 in. high	$1.00
6-in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50
7-in. pots, 6 to 7 leaves, 34 to 36 in. high	2.50
8-in. tubs, 6 to 7 leaves, 42 to 44 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 in. high	5.00
15-in. tubs, 6 to 7 leaves, 8 to 8½ ft. high	35.00
16-in. tubs, 6 to 7 leaves, 10 to 11 ft. high	40.00
16-in. tubs, 6 to 7 leaves, 11 to 12 ft. high	50.00

Kentia Forsteriana

	Each
6-in. pots, 6 leaves, 28 to 30 in. high	$1.00
6-in. pots, 6 leaves, 34 to 36 in. high	1.50
7-in. pots, 6 to 7 leaves, 38 to 40 in. high	2.50
8-in. tubs, 6 to 7 leaves, 42 to 45 in. high	4.00
8-in. tubs, 6 to 7 leaves, 48 to 50 in. high	5.00
9-in. tubs, 6 to 7 leaves, 60 to 66 in. high	8.00
10-in. tubs, 6 to 7 leaves, 5½ to 6 ft. high	10.00



Cocos Weddeliana

Kentia Forsteriana

(Made-Up Plants)

	Each
7-in. tubs, 3 plants in a tub, 36 in. high	$2.50
7-in. tubs, 3 plants in a tub, 38 in. high	3.00
8-in. tubs, 3 plants in a tub, 40 to 42 in. high	4.00
8-in. tubs, 3 plants in a tub, 42 to 45 in. high	5.00
9-in. tubs, 3 plants in a tub, 4½ ft. high	8.00
10-in. tubs, 3 plants in a tub, 5 ft. high	10.00
12-in. tubs, 3 plants in a tub, 5½ ft. high	15.00
14-in. tubs, 3 plants in a tub, 6 ft. high, heavy	20.00
14-in. tubs, 3 plants in a tub, 7 ft. high	25.00

Phoenix Canariensis

	Each
8-in. tubs, 36 to 40 in. high	$2.50
9-in. tubs, 42 to 46 in. high	3.00
10-in. tubs, 46 to 48 in. high	4.00
11-in. tubs, 48 to 52 in. high	5.00
11-in. tubs, 52 to 54 in. high	6.00
18-in. tubs, specimen plants, 8-ft. spread	40.00

Phoenix Roebelenii

	Each
4-in. pots, nicely characterized	$0.60
5-in. pots, nicely characterized	1.25
6-in. pots, 1½ ft. high, 2 ft. spread	2.00
8-in. tubs, 2 ft. high, 2½ ft. spread	5.00
12-in. tubs, 2½ ft. high, 3 ft. spread	12.50
14-in. tubs, 3 ft. high, 4½ ft. spread	35.00
15-in. tubs, 3 ft. high, 6 ft. spread	50.00

DREER'S FINE FERNS

Nephrolepis Bostoniensis

6-in. pots, ...50c. each

Nephrolepis Scottii

6-in. pots .....$0.50 each
8-in. pans ..... 1.00 each
10-in pans ..... 2.00 each

Nephrolepis Scholzeli

6-in. pots .....$0.50 each
10-in. pots ..... 2.00 each

Nephrolepis Whitmani

6-in. pots .....$0.50 each

Adiantum Farleyense

In prime condition for use in hampers, made-up work, etc.

4-in. pots, splendid stock.....$5.00 per doz.
5-in. pots, splendid stock..... 9.00 per doz.
6-in. pots, splendid stock.....12.00 per doz.

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Bird's Nest Fern

This Fern is out of the usual and will appeal to your customers for small jardinieres, and will also work in well with made-up work.

3-in. pots .....30c. each
4-in. pots ..... 40c. each

Assorted Ferns for Dishes

2¼-in. pots .....$3.50 per 100; $30.00 per 1000
3-in. pots .....$6.00 per 100

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Ball-shaped Boxwood

14 to 16 in. diameter .....$1.50 each
18 to 20 in. diameter ..... 4.00 each

Pyramid-shaped Boxwood

3 ft. high, 14 in. diameter at base.....$2.50 each
3½ ft. high, 16 in. diameter at base..... 3.00 each
4 ft. high, 18 in. diameter at base..... 4.00 each
4½ ft. high, 20 in. diameter at base..... 5.00 each
5 ft. high, 20 to 22 in. diameter..... 6.00 each

Standard Boxwood

	Each
Stems 16 to 18 in. high, crowns 12 in. diam.	$2.00
Stems 20 to 22 in. high, crowns 14 to 15 in. diam.	3.00
Stems 20 to 24 in. high, crowns 16 to 18 in. diam.	4.00
Stems 20 to 24 in. high, crowns 30 to 32 in. diam.	10.00

Pyramid Buxus Latifolia

4 to 4½ ft. high, 18 to 20 in. at base.....$4.00 each

Araucaria Excelsa

5-in. pots, 12 to 15 in. high, 3 tiers.....$0.60 each
6-in. pots, 14 to 16 in. high, 3 to 4 tiers.... .75 each
6-in. pots, 16 to 20 in. high, 4 tiers..... 1.00 each
7-in. pots, 20 to 24 in. high, 4 to 5 tiers.... 1.25 each

Araucaria Excelsa Glauca

5-in. pots, 8 to 10 in. high, 2 tiers.....$0.75 each

Asparagus Plumosus Nanus

For dish work, 2¼-in. pots, 60c. per doz.; $4.00 per 100
For dish work, 3 in. pots, 85c. per doz.; $6.00 per 100

Aucuba Japonica

Bushy plants, 12 in. high.....$0.30 each
Bushy plants, 18 in. high..... .40 each
Bushy plants, 24 in. high..... .60 each
Specimens, 3 ft. high, bushy..... 3.00 each

Silver Leaved Euonimus

Splendid for baskets and hampers.

6-in. pots, 18 to 24 in. high.....$0.75 each

Pandanus Veitchii

Nicely colored plants in 6-in. pots.....$1.00 each

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

Vaughan's XXX Fancy Holly

Holly Wreaths Mistletoe Immortelles And All Holiday Decorations

Write for Special Circular

Immortelles

Colored White, Purple, Bright Scarlet, Pink, Blue, Ligbt Green, bunch 25c., 3 bunches 65c., dozen $2.25, 50 bunches $8.00, 100 bunches $15.00, case of 125 bunches $18.00.

Natural (Yellow), bunch 20c., dozen $2.25, 50 bunches $8.00, 100 bunches $14.50, case of 125 bunches $17.00.

Vaughan's Tissue Christmas Bells

	Each	Doz	Gross
5 inches	$0.05	$0.50	$4.00
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12 inches	.15	1.25	12.00

Bouquet Green Wreathing

Put up in coils of 20 yards each.

Medium Grade, per 100 yards.....$7.00
Heavy Grade, per 100 yards..... 8.00 } F. O. B. New York

XXX Fancy Holly Wreaths

F. O. B. New York

	Doz	100
Single, wound one side, 12 inches diameter	$1.75	$13.00
Double, wound both sides, 12 inches diameter	2.75	20.00
Single, wound one side, 14 inches diameter	2.25	15.00
Double, wound both sides, 14 inches diameter	3.25	25.00
Double, wound both sides, 18 inches diameter	7.50	

Mistletoe

We expect to have a choice stock of this for delivery about December 15th.
Order now.
Extra Quality. Per lb. 25c., 10 lbs. $2.25, 25 lbs. $5.00.
Ordinary Quality. Per lb. 20c., 10 lbs. $1.90, 25 lbs. $4.50.

Laurel Wreathing

Made of dark green Laurel leaves taken from swamps, without spots and seeds. Wound on rope and made extra heavy; will last a long time. Per 100 yards $7.00, 50 yards $3.75, 25 yards $2.00.

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New York 25 BARCLAY STREET **Chicago**

Please mention the Exchange when writing.

FOR THE CHRISTMAS TRADE

Begonia Glory of Cincinnati

THE best Winter-flowering Begonia ever sent out. Its lasting quality gives satisfaction to customers. It costs no more than the good old Gloire de Lorraine, and is far superior. Prices:—Large plants, 4-inch pots, well-flowered, 50 cents each; 5-inch pots, $1.00 each; large specimens, 6-inch pots, $1.50 each; 8-inch pots, $2.50 each.

Customers say it "sells on sight." Six large houses of this beautiful plant. Try a few assorted sizes now, and you will want more for the Holidays.

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This Advertisement Appreciated

MR. JAMES MCMANUS,
42 West 28th St., N. Y. City.

Dear Sir: I just wish to let you know how much I enjoyed your "advt." in the EXCHANGE of Dec. 10. It is, indeed, a pleasure to read it over and over, and I hope that you will get results from it which will make you feel repaid for your effort.

FRITZ BAHR, Highland Park, Ill.

NANUET, N. Y.—Mrs. Alice Hoffman, wife of Michael Hoffman, florist, shot and killed herself in a furnished room house in New York on December 7.

WEST CHESTER, PA.—James A. McGrogan, who has for a number of years been employed at the Kift greenhouses, has leased the large greenhouses of Thomas C. Hogue, on North High st. and will use them as a store house for Summer plants.

Waynesboro, Pa.

Henry Eichholz has a nice batch of his new Carnation Christmas Cheer in bloom, in pots and pans; they will be sold locally only. The demand for cuttings has been such that February and March deliveries only can be booked from now on.

The output of his new Princess Charming Carnation will also be limited. This Carnation will be a pleasant surprise to the growers. It is doing remarkably well in the East at Chas. H. Totty's, Madison, N. J., as well as at the establishment of the Chicago Carnation Co., Joliet, Ill. At Mr. Eichholz's place, flowers with 2½ ft. stems as thick as a pencil, and with extra large flowers, can be seen; the lasting quality of the blooms is great. Two-thirds of the stock had to be topped to supply the demand for cuttings. Several seedlings of Princess Charming, seen here, of extra heavy growth, are very promising.

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Does all that is claimed for it. It has proved itself to be one of the cheapest and most effective Insecticides known today.

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MADISON, N. J.

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Prepare For The Holidays



HOUSE OF ARAUCARIAS

LEADER IN FERNS

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer, 5½, 6, 7 in. pots at 40c., 50c., 75c. to $1.00 each; as big as a bushel basket for $1.25. 1 doz. or over, same rates.

LEADER IN AZALEA INDICA

Leader in Begonia Gloire de Lorraine Kentia Forsteriana and Belmoreana, Rubbers, etc.

WE LEAD YOU INTO WEALTH

AZALEA INDICA

Already forced for Christmas

All in bloom; can supply all wants.

Remember, for Christmas forcing we must select only the healthiest plants. Small, weak, sickly looking plants won't force successfully for Christmas. Have only large plants.

DEUTSCHE PERLE (double white), **SIMON MARDNER** (double pink), **VERVAENEANA** (double rose variegated), price 75c., $1.00, $1.25, $1.50 to $2.00. Don't order many at 75c.; we haven't got them; larger sizes must accompany the order. **MME. PETRICH,** very scarce in Europe this year; early light pink, 50c., 75c., $1.00, $1.25 to $1.50.

BEGONIA GLOIRE DE LORRAINE

This is another specialty of ours. We have a secret in growing them, only known to us. Stand shipping well, traveling 2000 to 3000 miles without perishing in transit. We have a big house full, 6-7-in. pots, ready for immediate sale or for the holidays. Everybody knows that last Christmas we had the best Gloire de Lorraine in the market. They were crackerjacks, indeed. 6 in. pots, 75c. to $1.00; 7-in. pots, $1.25 to $1.50. Large sizes must also be taken in connection with the 60c. size.

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached the top of the pole, and there we are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES.

LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 60c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you the best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA,** a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsterinna, 4, 6, 7 in pots, 20, 25, 30, 35, 40, 45 in. high, 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each; large 3-in., 20c. Combination Plants, 6-7 in. pots, three plants in a pot, 30, 35, 40 in. high, $1.25, $1.50, $1.75 to $2.00.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

BEGONIA, new improved **Erfordi,** for Christmas blooming. This superior strain is of a deep pink color, always a mass of flowers during the whole Winter and Easter. 4 in. pots, heavy, ready for 6 in., $2.00 per doz.; 20c. each.

BEGONIA Rex, 4 in., 20c.
ASPARAGUS Plumosus Nanus, 2½-in., as big as 3-in., $5.00 per 100; 3-in., 7c.
ASPARAGUS Sprengeri, 2½-in., 3c.; 4-in., 10c.
NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston,** extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each.
NEPHROLEPIS Todeaoides, 2½-in., 5c.; 3-in., 8c.
NEPHROLEPIS Giafrasii. This is a new Fern, resembling the Scottii, only shorter and bushier, 5¼-in. pots, 40c., 50c.; 3-in. 25c.
FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100.
ADIANTUM Hybridum, 6-in. pans (3 plants) 25c. per pan.
CINERARIA Hybridum, 2-in. pots, $3.00 per 100; 4-in., 10c.
CYCLAMEN Giganteum, 4-in. 25c.; 5-in., 35c.; in bud.
PRIMULA Chinensis, John Rupp's strain, 5¼-in., $2.50 per doz.
PRIMULA Obconica, our well known best strain, 4-in., in bloom, 15c.; 5-in., 15c.; 6-in., in bloom, 25c. to 35c.
FICUS Elastica, 5¼, 5½ to 6-in. pots, 25c. 40c., 50c.
PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.
HYDRANGEA Otaksa, pot grown, 6-in., 25c., 35c., 40c.; 7-in., 50c., to 75c. Remember only pot grown, will force successfully for Easter.
JERUSALEM CHERRIES (Solanum). 6-in. pots, 25c., 35c., 50c.; full of ripe berries.
DRACAENA Bruanti, very beautiful, showy green foliage, very popular, stands heat and cold, 25, 30 35 in. high, 50c.
LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.
HOLLY FERNS, 4-in. pots, 25c. Please state if shipped with or without pots.

Cash with order, please. All goods must travel at purchaser's risk.

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Buffalo

Quite a few of our florists have a good deal of work completed in readiness for the holidays, but the dark weather conditions will have a serious effect on Christmas and New Year flowers, and cause a very short supply, unless they change and we get lots of sunshine right along. Carnations are out of sight, and but few can be had in this section. Roses and Violets meet the same condition.

W. J. Palmer & Son, 304 Main st., are very busy with Holly wreaths and decorations for our city stores. They are handling some very fine sprays of Southern Mistletoe and Holly and have a very choice lot of Palms and Ferns at their greenhouses to supply both their stores.

L. H. Newbeck, Main and High sts., is rushing his work along as he expects an extraordinary Christmas trade, and in order to be ready he claims a stitch in time saves nine.

S. A. Anderson of 440 Main st. has bought only the greenhouses of J. H. Rebstock at 493 Elmwood ave. It was inadvertently mentioned that he had bought "store and greenhouses" in our last issue, which was an error.

Galley Bros. of Gardenville certainly have a very fine lot of Primulas, Cyclamens and other flowers. and with the help of a little sunshine they will be able to put a good supply in market for Christmas.

O. W. Clark & Son, 59 Seneca st., reports the sale of bulbs all over, and they are making preparations and booking their seed orders for the many market gardeners in and around Buffalo. The outlook for the Spring trade is good, although there are shortages of seeds.

The Wm. F. Kasting Co., 383 Ellicott st., are very short of bouquet green and have turned down a good many orders, as they have not received one-half of the greens contracted for. Holly, Mistletoe and Laurel are plentiful and this house has a big supply on hand. Cut flowers are coming in daily, but it is found difficult to book orders ahead, the supply coming in very slowly at present.

J. Benson Stafford, 690 Main st., has his store finished; the alterations make quite a change, and much credit is due to Mr. Stafford for the artistic taste shown in the arangement. He has quite a few orders booked for dinner decorations, his idea of decorating with his new Sicilian pottery seeming to be a leading one at present.

Jacob B. Wiese of Washington Market is the king of the market. He keeps well stocked with all the cut flowers in season. He had a very fine lot of auratum Lilies in bloom, quite a novelty just now. His opening show of Christmas goods is large, and includes quantities of Holly wreaths, bouquet green and Laurel roping, Immortelle designs and bouquets.

W. C. Stroh, 354 Main st., after a ten days' rest is up and doing as usual. He is working hard getting ready for Christmas.

Rachel M. Rebstock, 614 Main st., has a big supply of artistic designs of dried Grasses and Immortelles ready for her Christmas trade.

Wm. H. Greuer, who represents the Ever Ready Flower Pot Cover Co., claims the covers are selling so fast that they are compelled to work overtime to get out their many orders booked for the holidays.

Jas. Pettit of Gardenville has a very fine lot of cuttings already potted for the Spring trade. They look healthy and certainly will make fine plants by next Spring.

The Buffalo Florists' Bowling Club bowled at Oertels alleys as usual on Thursday evening, December 8. The Club will bowl on Thursday of each week on the alleys mentioned. L. H. S.

Storing Celery in Cold Frames

Those of our readers who grow Celery for their own table will be interested in reading how John C. Pearce of Kentucky handles his in order to have it fresh and in first-class condition throughout the Winter.

I am using coldframes in an effort to keep Celery in perfect condition throughout the winter and am succeeding so well that I am sure your readers will be glad to be taken into my confidence. I grow Celery only to eat and give away, and therefore do not mind if any one else makes money out of my idea. So far it is only an idea, but I feel quite confident that it is correct.

The idea is this: Celery to keep sound must be kept growing. This Fall I had three varieties of plants—Golden Self-Blanching, Winter Queen and Giant Pascal. The first is an early kind and the others are late. About October 1 I topped them quite severely so that they would take up the least possible room in their Winter quarters and in a few days their wounds had healed over and they were growing rapidly again. On October 22 there was every indication of freezing weather and I took the plants up, roots and all, with as much soil as would come with them. Then I tied the stalks about one-third of the space from the top with soft twine, not only to make them straight and compact, but to keep dirt from sifting in during the subsequent operations. Then I planted the Celery in the coldframe in this way: the roots of each stalk and the dirt adhering thereto were held in a bucket of water about five seconds and the plants so watered were set in rows, almost but not quite touching each other in the coldframe. As each row was set it was covered firmly with ordinary hotbed dirt nearly to the top. Care was taken to keep the foliage perfectly dry.

The Pascal was put in the back of the bed, the Winter Queen next and the Golden at the front or lower side where it would be most accessible for use early in the season. The bed was at once covered with Sunlight double-glass sash. I used them for two reasons; first, because it would not be necessary to do any covering and uncovering, but mainly because, owing to their peculiar construction, they allow the rank, moist air to escape instead of condensing on the glass and dripping back on the leaves and stalks. To keep the plants growing under glass throughout the cold weather necessitated my providing the out-of-door conditions of mild weather, such as Celery loves in September and early October. This can be done very well with my double-glass sash.

Within a few days after setting the plants in the coldframe they had all made new roots and were just as green and fresh as they were before removal. The frame, which is a large one, requiring five sash to cover it, is packed full of plants and not a single leaf shows a blemish. On November 27 I pulled and supplied my table with some of the Golden Self-Blanching and it was as perfect as that variety ever gets to be, though some of the outer stems that were discarded would have bleached sufficiently for use had they remained in the ground a few days longer. The later varieties are not yet ready, but there is no doubt in my mind that so long as I do not expose them to freezing they will keep perfectly sound. Of course, I give the plants all the air short of frost, for while they must be kept growing, one does not want them to get too big for the box.

All my gardening life I have been trying new ways of keeping Celery, with varied success; but now, thanks to my double-glass sash, I think I have hit on the right idea, which is to keep the plants alive.—*Market Growers' Journal.*

Fine Ferns and Blooming Plants

Securely packed and delivered to the Express Company in good condition, when our responsibility ceases.

FERNS, Bostoniensis, Piersoni, Elegantissima, Exaltata and **Scottii,** 5 inch 25c.; 6 inch 50c.; 7 inch 75c. and $1.25; 8 inch $1.00 and $1.50; **Specimens** in 9 inch, 10 inch and 12 inch, $2.00, $3.00, $4.00 and $5.00.

SPECIAL VALUE IN THESE.

ARAUCARIA EXCELSA, 5 inch 50c.; 6 inch 75c.; 7 inch $1.00 and $1.25.
ARAUCARIA EXCELSA GLAUCA, 6 inch $1.50; 7 inch $2.50.
CYCLAMEN, Red only, best Christmas seller, 6 inch 50c., 75c. and $1.00.
BEGONIA LORRAINE, 5 inch 75c.; 7 inch $1.50.
AZALEA INDICA, 75c., $1.00 and $1.50.
SOLANUM (Jerusalem Cherries), extra fine, 5 inch, 6 inch, 7 inch, 25c, 35c. and 50c.
ROMAN HYACINTHS, 6 inch 65c.; 8 inch $1.25.

Stock all At. Correspondence invited. Cash with Order.

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IN THE BEST EIGHT (8) VARIETIES

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Assorted Ferns, extra heavy, from 2¼-in. pots, ready in large lots, $3.50 per 100; $30.00 per 1000.

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4-in. 15c., 5-in. 35c., 6-in. 50c., 7-in. 75c., 8-in. $1.00

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Strong Stock, 2¼ inch Pots.

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2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

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For Dishes

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddeliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and Forsteriana, 2¼-in., 4 leaves, $10.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

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BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $8.00 per 100, $40.00 per 1000; 150 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

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Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

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FERNS

WHITMANI FERNS, fine bushy plants out of 5 and 6 inch pots, $25.00 per 100.

BOSTON FERNS, fine large plants out of 5 and 6 inch pots, $25.00 per 100.

PAUL J. BURGEVIN, North Regent Street Port Chester, N. Y.

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Christmas Ferns

Ferns from pots only and ready for immediate use. These are extra fine for store trade—perfectly clean and healthy and in excellent growing condition. A sample order will show you just what they are. No order too small for our careful attention.

Bostons, from 6 inch pots, 40 cents each | Whitmani, from 6 inch pots, 40 cents each
Bostons, from 7 inch pots, 60 cents each | Whitmani, from 7 inch pots, 60 cents each

Very fine stock, will please your customers

SMITH & GANNETT, Geneva, N. Y.

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Your Christmas Ferns

Should Be the Very Best Obtainable

WE have extra fine stock to offer you. Pteris Wilsoni, Wimsetti, Victoræ; Aspidium, Holly Ferns, etc. Bushy plants from 2 inch pots, at $3.00 per hundred.

Packing is done with great care and our shipments reach you in perfect order. Liberal count to help offset express charges.

Cash or satisfactory references, please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

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Pot Grown Nice Stuff

5 inch at 20 and 25 cents
6 inch at 40 and 50 cents

Cash or C. O. D.

State whether with or without pots.

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Clark Mills, N. Y.

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FOR XMAS BASKETS

These are fine stocky plants, just right for pans or baskets with other plants; 4 inch $12.50 per 100, 3 inch $8.00 per 100.

Superbissima, 4 inch $25.00 per 100, 3½ inch $20.00 per 100.

Todeaoides, 4 inch $20.00 per 100, 3 inch $12.00 per 100.

Fern Dish Ferns, 2¼ inch $3.50 per 100.

Asparagus Plumosus, 3 inch $5.00 per 100, 2 inch $2.50 per 100.

Cash please. We grow only plants and sell exclusively wholesale.

The Reeser Plant Co.
Springfield, Ohio

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 5-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

FERNS MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $55.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 6 good varieties, $5.00 and $12.00 per 100.

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Adiantum Cuneatum, 4-in., $12.00 per 100.

Boston Ferns, 6-in., 50 cents each, $5.00 per dozen; 7-in., 75 cents each, $8.00 per dozen.

Asparagus plumosus nanus and Sprengeri, 2¼-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 20 cents each, $2.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 3 to 8 best varieties and good strong and stocky plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddeliana and KENTIA Belmoreana, from 2¼-in. pots, 5-in. high, just right for center plants, $10.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $11.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN,
SHORT HILLS, N. J.

Please mention the Exchange when writing.

FERNS, BARGAINS TO CLOSE OUT, POT-GROWN, FINE STOCK.

Scottii, 4-inch pots, $12.50 per 100. Todeaoides, 4-inch pots, $12.50 per 100.

Pandanus Veitchii, 4-inch pots, well colored at 30 cents each.

HENRY ENGLER, 4651 Lancaster Ave., PHILADELPHIA, PA.

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FOUNDED IN 1888

FLORISTS' EXCHANGE

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Chrysanthemum Society of America

Recent work of the examining committee was as follows:

Chicago, Dec. 3.—Variety, December Gem; incurved pink; 89 points commercial scale. Exhibited by Elmer D. Smith & Co., Adrian, Mich.

CHAS. W. JOHNSON, Sec.

New Officers of the New York Florists' Club

John B. Nugent, Jr., president-elect, is the son of John B. Nugent, Sr., who at the age of 89 years is still in the retail florist business. His mother, whose maiden name was Fannie Cole, died in January 1900. Mr. Nugent was born in the north of Ireland, on Jan. 31, 1859. He came to New York City with his parents in 1872, and was educated to become a physician, but abandoned his plans of entering upon a professional career, and went into the florists' business with his father, in upper New York, in 1879. In 1883 Mr. Nugent went into the wholesale florists' business on Sixth ave., near 48th st., and began selling the products of E. W. Parsons, of Westchester, N. Y.; and in 1885 began selling the stock of C. C. Moore of Ossining, N. Y., who then produced the finest Gloire de Paris, Paul Neyron, Magna Charta, and Catherine Mermet Roses coming into the New York market. He continued in the wholesale business until 1893. In January, 1895, he went to work for Thomas Young, Jr., and became his manager in July of the same year, remaining with him until September 1, 1899, when he again went into the wholesale florists' business with Herbert Young, on West 28th st. This partnership was dissolved in 1902, and Mr. Nugent continued the business until 1904, when he changed his business from wholesale to retail. He now transacts the largest business for outoftown florists of any retailer in New York City, and prides himself upon giving a square deal to everyone in all his business transactions. He has been a member of the New York Florists' Club for very many years, and has rendered great service to the Club as chairman of its house committee.

Charles Weber, trustee-elect, was born in Hessen, Darmstadt, Germany, on July 1, 1864. After obtaining an education in the public schools there, he became an apprentice at the Simon Mardner florist establishment at Meintz on Rhine—universally known for its Azalea introductions—for three years. At the age of 18 he came to New York, and worked for Ford Bros., Albany, and subsequently at Corning's establishment near Albany. Later he worked in Flatbush, Brooklyn, for Kretschmar Bros., leaving them to take a position at the Shannon Greenhouses in Brooklyn, where he was foreman for six years. In 1896 he purchased a tract of land at Lynbrook, L. I., and built two greenhouses, adding to them at different times until he now has an area of glass approximating 60,000 sq. ft., and makes a specialty of Carnations. Mr. Weber is best known as the disseminator of the popular Carnation Victory.

Of the other officers elect little need be said, as their histories have been given at different times. Vice-President elect H. A. Bunyard is the right hand assistant of Arthur T. Boddington, the New York seedsman; John Young has held down the office of secretary for twenty years, and Wm. C. Rickards, Jr., is doing his best to sit on the treasury lid for the same period. Trustee-elect F. H. Traendly is popular as the senior partner of the firm of Traendly & Schenck, wholesale florists of New York, an ex-president of the S. A. F. & O. H., and of the Club. C. H. Totty is the well known Chrysanthemist of Madison, N. J., and also an ex-president of the Club. I. S. Hendrickson is the manager of the wholesale department of the business of John Lewis Childs, Floral Park, N. Y., and is president of the American Gladiolus Society.

Among the Growers

Newton Rose Conservatories, Newtonville, Mass.

This greenhouse establishment, which for a number of years was operated by Wm. H. Elliott before he had his Madbury place, and later by J. H. Pritchard, formerly with the J. A. Budlong & Sons Co., Providence, R. I., comprises seven houses, covering an area of between 30,000 and 40,000 sq. ft. Some of the original houses have been torn down and rebuilt. The establishment is located on a tract of 3½ acres, on the main line of the Boston & Albany railroad, about eight miles from Boston, and three minutes from the depot. Newtonville has a population of about 40,000, and is one of the best suburban towns in Massachusetts. A business both wholesale and retail is conducted.



Chrysanthemum December Gem

Roses, Carnations, Violets, Chrysanthemums, Ferns, potted plants, and general retail sundries are grown. Three houses are devoted to Roses, the principal varieties being the Killarneys, Richmond, Mrs. Jardine, and Bride and Bridesmaid. The latter two will probably be discarded after this season. Half a bed of Bon Silene is grown, this variety being much in demand for débutantes' bouquets, and for presentations to children.

There is one house of Carnations, of the varieties Beacon, Enchantress, R. P. Enchantress, White Perfection, White Enchantress, Fair Maid, Winsor and Octoroon. A house of 'Mums has just been cleaned out.

Quite a number of pans of Paperwhite Narcissus, Tulips, Hyacinths, and Daffodils are being grown for the holiday trade. There is a house comfortably filled with Ferns and bedding stock.

R. C. Bridgham is sole proprietor of the establishment, and operates in connection with it a store at 67 Beacon st., Boston. The wholesale stock is sent to T. Pegler, Boston Flower Exchange, Park st.

Poehlmann Brothers Co., Morton Grove, Ill.

When one visits this establishment, after having heard from all directions that there is a shortage of Carnations in the market, it would seem that such a condition was impossible. To look over the vast area of benches of Carnations here, a shortage can scarcely be credited. The impression one receives is that there must be enough in this establishment alone to supply all requirements. Mr. French, in charge of the Carnation section, who escorted the writer through the houses, says there are in all about 250,000 Carnation plants, and all are seen to be in the pink of condition. Included in them are all the commercial varieties, and also several new varieties that are being tested as to their value from a commercial standpoint. In whites, the preference is for White Perfection, which is certainly well named; White Lawson and White Enchantress are also grown. In reds are Victory, Beacon, O. P. Bassett, and Scarlet Glow. Scarlet Glow is considered here an excellent red. Victory is also producing an exceptionally large crop. There are immense quantities of pink varieties grown, the most popular kinds being Enchantress, Winsor, Mrs. Thos. Lawson, Pink Lawson, Admiration, May Day, Dorothy Gordon and Sangamo. May Day is grown quite extensively. Enchantress is not in quite as large number as last season. Mr. French, speaking of culture given, expressed much confidence in the Evergreen Brand fertilizer for Carnations.

After a tour of the Carnation houses the Orchid houses were visited. At present the Cattleyas appear just right for a splendid crop for the holidays, and the plants are in a fine healthy condition.

Blocks of Paperwhite Narcissus are excellent, and promise a full cut just at the right time. Houses of Callas and Lilies are filled with well grown stock. This company has an envied reputation for Lilies. Immense quantities of Lily of the Valley are seen in various stages. Houses of Asparagus plumosus show luxuriant growth and long strings.

A range of houses devoted to American Beauty Roses shows careful culture, and the plants could not possibly be better, late houses showing as good growth as those now in cut. All the stock mentioned is to be seen at Plant A.

Over at Plant B, a short distance away, where the other varieties of Roses are grown, are house after house full of White and Pink Killarney, My Maryland and Richmond, and Perle, Bride, and a few other varieties that are felt to be indispensable.

This progressive company has always some new houses in course of construction and there are now under way thirteen houses, 27 ft. by 500 ft. The equipment and uptodate appliances that go to make up this vast establishment are so well known that it is not necessary to dwell further on them. Much credit is due to the Poehlmann Bros. individually for the well conducted departments assigned to each; August F. Poehlmann, in charge of Plant A, and Adolph over at Plant B, certainly must find their time fully occupied; and John at the Chicago wholesale house taking care of the immense quantities of flowers in all lines shipped in twice daily is kept about as busy as a man can be with the disposition of the stock.

Chrysanthemum December Gem

A ball-shaped Japanese white, with pink stripe on edge of petals giving a pink or pearly tint to the blooms. Buds selected Sept. 25 were cut Dec. 1, while later ones will give succession to Christmas. Strong stem and ample foliage; 3½ ft. high. First class certificate Dec. 3. Originated by Elmer D. Smith & Co., Adrian, Mich.

"Who Dares?"

This question appeared in a recent publication over the signature of a prominent horticulturist, and at the conclusion of a lengthy article, in which the author elaborately sets forth his reasons for claiming that there are too many varieties of Dahlias cultivated, and that the first grower who has the courage to cut his list to twenty-five or fifty varieties at the utmost, deserves the plaudits of the horticultural world. As a climax, he asks: "Who dares?"

Of the many arguments advanced by that class of horticulturists who gain their knowledge from theories only and who are strangers to the science of facts and practice, this crowns the limit of silliness. While I was secretary of the New England Dahlia Society this very same argument was advanced to me by many of the so-called leaders of the horticultural element in America, and I feel regret to think that I must mention here that one particular gentleman, who enjoys the distinction of being at the head of a horticultural educational institution of national importance, had the conviction to assert that Dahlias were nothing but weeds, anyhow, and were not worthy a place in the garden.

I think it is time somebody should voice the sentiment of the Dahlia enthusiast and let these gentlemen understand that they are working under an illusion, and the sooner they descend from their aeroplanes to terra firma, the better they will learn the truth. I would not dare suggest to any member of this Society to take upon himself the authority to assert that fifty Dahlias comprises all that are worthy of anyone's possession. * * * *—MAURICE FULD in *Dahlia News.*

DENMARK recently had its annual sale of Fall flowers for the benefit of tuberculosis patients. On this day ladies of the highest classes, in large and small towns, stand on all the frequented corners and plazas and sell Fall flowers at 10 öre (2½ cents) apiece. Every pedestrian thus contributes his mite to the war waged against this dreadful disease, and no one dare be seen without a flower in his buttonhole.—*Der Handelsgaertner.*

Obituary

A. Koster

A. Koster, well known throughout the horticultural world for some famous introductions of trees and shrubs, died on October 13, at Boskoop, near Gonda, Holland, at the advanced age of 80 years. Picea pungens glauca Kosteriana was perhaps the most notable of his introductions; this species was discovered about 30 years ago among a lot of P. pungens seedlings, and the mother plant still exists on the edge of a broad ditch in the Boskoop nursery. The deceased was also famed for his Rhododendron hybrids, which bore his name and won for him many honors.

Thomas Walkinshaw

Thomas Walkinshaw, a young florist of Springfield, Mass., died of pneumonia at the Springfield Hospital on December 1, after a short illness, being confined to his bed only five days. He leaves a widow and three children. The deceased was 35 years of age. Born of Scotch ancestors in Balleymena, in the north of Ireland, he came with his mother, at the age of 16 years, to America, entering the employ of Mrs. Snow, florist, of Chicopee. He afterwards operated the greenhouses of Col. R. J. Hamil-



The Late Robert Buist

ton. Later he entered the employ of Mark Aitken, Springfield, and for the last four years he has been connected with the greenhouses of L. D. Robinson in Springfield. He was of a cheerful disposition, ever ready to advise or help any who needed his assistance, and will be greatly missed by many friends and florists. L. D. R., Jr.

Mrs. Gaius Wm. McClunie

Mrs. Gaius Wm. McClunie, Hartford, Conn., died December 9, after a few days illness from pneumonia. She had been on a visit to her old home in Branford, Conn., to care for her mother, who is 85 years of age and very feeble, where she contracted a chill, and on her return home took to her bed and died. The deceased lady was a great help to her husband, was of a very lovable disposition, and leaves a wide circle of friends and acquaintances who will mourn her loss. The craft in Hartford all join with her husband in his sorrow. Interment was at Branford, on Monday, Dec. 11, on the arrival of the 9.40 a.m. train from Hartford, services being held at the home on the Sunday afternoon previous. There was a profusion of the flowers she loved so well around the casket; chief among the floral offerings was a flat, oblique cross, made of English Ivy (which she had picked at her old home in Branford) and Liberty Roses, the only design on the casket; clustered and through the center, with Mexican Ivy for greens, were some Roses of her favorite color. A great many floral tributes were received from brother florists, showing the esteem in which the deceased was held.

MAC.

Robert Buist

Robert Buist, the well known seedsman of Philadelphia, died shortly before midnight of Tuesday, Dec. 13, in his apartments at the Bellevue-Stratford in that city. His death was due to pleuro-pneumonia.

Mr. Buist was born September 15, 1837, at 12th and Lombard sts. His father, Robert Buist, who came to this country from Scotland, was reputed to be the first florist and nurseryman in Philadelphia and established a large business there which, dating from its inception in 1828, is, therefore, now in its 83d year.

At the age of eighteen Mr. Buist was started in the seed business by his father, who bought the property for him next to the Federal building on Market st. at Ninth. At that time the elder Mr. Buist paid $35,000 for the property, and eight years ago bis son sold it for one hundred thousand dollars more than he paid for it. Two years after Robert Buist started in business he was able to pay back to his father the money that the latter had paid for the property.

Mr. Buist continued in business up to the time of his death, his present office being located on Front st. above Market. In 1861 he married Miss Hermenia Mathieu, who died four years ago. One son and one daughter were born to the couple. The son did not live to reach manhood. Mr. Buist's nearest surviving relative is a sister, Mrs. Helen Buist Redford, and a granddaughter, Roberta de Jannon.

Mrs. Isabella P. Whittet

Mrs. Isabella P. Whittet, wife of Alexander Whittet, florist, of Lowell, Mass., died rather suddenly at her home, 31 Wentworth ave. in that city, on December 3, at the age of 70. The deceased had been ill with heart trouble since last August, although at times she was well enough to get about.

The deceased was born in Perth, Scotland, in 1840, and came to Lowell as a young woman. In January 1867 she married Mr. Whittet, and the pair made Lowell their home. She was a woman of unfailing optimism and this quality had made her many very close friends. She was greatly devoted to her home and family and keenly appreciated beautiful flowers. She was a member of Washington Commandery, U. O. G. C.

She is survived by her husband, three sons, William D. Whittet, Charles A. Whittet, superintendent of parks, and Rufus M. Whittet; two daughters and two sisters.

William Appleton

William Appleton, florist, of Providence, R. I., whose death, on December 8, was announced in these columns last week, was known throughout New England as a prominent landscape gardener and horticulturist, as well as a skillful florist. He had been sick since March last from a complication of kidney troubles.

The deceased was born in Providence in 1835 and attended the public schools there and in Pawtucket, R. I. When 18 years old he entered the employ of Walter Hogg at the greenhouses on Benefit st., Providence. He next worked under Superintendent Timothy McCarthy at Swan Point Cemetery for several years, finally becoming head gardener. To his taste in landscape work are due many of the beautiful effects to be seen at the cemetery today. He bought out the florist business of Robert Hogg, at 294 Broadway, in February, 1888, and had conducted a flourishing business at that place up to the time of his death.

Mr. Appleton was a former president of the Florists' and Gardeners' Club of Rhode Island, of which he was one of the charter members. He was also vice-president of the Rhode Island Horticultural Society, and until his illness of last March was in charge of the staging of exhibits at the flower shows given by that Society. He also acted as judge at horticultural exhibitions throughout New England.

He is survived by a widow, six sons, three daughters, five sisters and two brothers. His sons have been conducting the business since the commencement of his illness, Eugene, who is at present vice-president of the Florists and Gardeners' Club of R. I., having charge. The floral tributes were many; nearly every florist in the vicinity of Providence sent a floral tribute in token of the esteem in which the departed was held. The funeral was attended by many members of the craft. H. C. N.

Joseph F. Klimmer

Joseph F. Klimmer, an old time and well known florist of Forest Park, Chicago, died on Monday, December 12, after a long and lingering illness, the immediate cause of death being enlargement of the liver and inflammation. He had been confined to his bed since August 15, but had really been ill since the early part of June.

Mr. Klimmer was 56 years old and was born at Munich, Bavaria. He came to Chicago at the age of 14, with his mother, who was a widow. He was apprenticed to Adam Bloomston, an old time florist at 27th st. and Cottage Grove ave. It had always been his desire to become a florist, so after learning his trade he started in business on the South Side, but met with reverses. He then became manager of the greenhouses of August Dresler, at Madison st. and Ashland ave. After several years spent there, in the early part of 1878, he again opened a small retail store at 258 Madison st., where he met with good success. Subsequently he opened a store at Madison and Halsted sts., with Sheridan the undertaker. While here he secured a 99 year lease on a lot at 558 West Madison st., where he built a two story building, and conducted a retail store, also conducting an establishment at Dunlap ave., Forest Park, until the time of his death. In 1878, he married Miss Augusta Dorstewitz, and when the two stores were started Mrs. Klimmer took charge of the retail store, while Mr. Klimmer attended to the growing. It soon became necessary to abandon the retail business, to devote more time to the growing, and his whole time ultimately was devoted to the Forest Park establishment.

The deceased was well known and respected, and for eight years was Mayor of Forest Park. He was a member of the Chicago Florists' Club, and was a trustee of the Club for several years. He was a logical and convincing speaker on all floricultural subjects, and was an expert judge of Carnations. A close observer, he seldom made a mistake, Carnations being a special study with him. He was always interested in flower shows, or anything of interest to the profession, and his genial and sunny disposition will be greatly missed among the craft. Besides a widow, the deceased is survived by a son, Frank, and two daughters. The funeral was held from the family residence, 812 Dunlap ave., Forest Park, on Thursday, December 15, and interment was made at Forest Home Cemetery. The pall bearers in the trade were J. C. Vaughan, Anton Then, A. H. Schneider and H. N. Bruns.



The Late C. P. Braslan

Charles P. Braslan

Charles P. Braslan, head of the Braslan Seed Growers' Co., San José, Cal., died at his home in that city December 3, after a short illness, through pneumonia.

Mr. Braslan was born at Cambridge, Mass., on July 1, 1861. When 15 years of age he entered the employ of Jos. Breck & Sons, Boston, and started on the road for that firm at the age of 17. He continued in the firm's service for six years, the last one as manager of the seed department. In 1884, with Jesse E. Northrup and Frank W. Brown a business was started under the style of Northrup, Braslan & Co., the style changing later, upon Mr. Brown's retirement, to Northrup, Braslan, Goodwin & Co., A. H. Goodwin of New York having acquired an interest. In 1894 a branch house was started in Chicago. The business was continued ten years, with Mr. Braslan as general manager. Upon the ultimate reorganization of the business Mr. Braslan returned to the Breck house, subsequently opening for the Brecks a branch house in Chicago. Two years later he moved to California to engage in the seed growing business, finally establishing the Braslan Seed Growers' Co. at San José, and eventually building up the largest seed growing business in the United States.

The deceased, as a boy, had little chance to get a good education, but he lost no opportunity to improve himself in later years. While in Minneapolis, the governor of Minnesota appointed him major in the State troops, a title by which he was commonly known among his friends. He was very popular, both inside and outside the trade, at home and abroad. He had a most cheerful and optimistic disposition, the faculty of making friends wherever he went, and was heartily welcomed in all circles in which his charming personality had thrust him. His untimely death is greatly deplored, and he will be missed as few men are.

Major Braslan, who was thrice married, is survived by a widow and a little two year old daughter, and two sons and a daughter through the previous marriages.

New York Florists' Club

A regular meeting of the New York Florists' Club was held at the club rooms, Grand Opera House Building, 23d st. and 8th ave., on Monday evening, December 12, President A. L. Miller in the chair. Being election night, there was the usual large attendance.

Patrick O'Mara, for the committee having in charge the Club's interests in the matter of securing legislation in the direction of the establishment of greenhouses at Cornell University for experimental purposes, reported progress. The committee, Mr. O'Mara said, only completed its organization that evening, but considerable work had been done prior to organizing. He had been advised by W. F. Kasting of Buffalo that a Bill was in course of preparation and would be presented in due course. Mr. Kasting urged the Club to do all it could in connection with such presentation. Mr. O'Mara emphasized the necessity for members becoming active in the movement; that meant, he said, that members individually and the craft and all those interested in horticulture from now on should talk about this Bill and, as individuals, they should approach representatives, senators and assemblymen and give them to understand that the Bill is to be introduced and that the great Empire State of New York was doing nothing, nor had it ever done anything for floriculture up to the present time. The fact should be impressed upon them that much money had been expended on pomology and field agriculture, while commercial floriculture had received no attention, and this in spite of the fact that the bulk of the revenue of the State was obtained from the large cities, the taxes, he believed, approximating about 70 per cent. of the total taxes paid in the State. This condition, he said, should be borne in mind, and the florists were merely asking a fair return for the money paid by the taxpayers interested in their industry. A determined effort should be made to put the Bill through and everyone whose influence would help should be approached on the subject. As soon as the Bill was introduced, properly numbered and referred to a committee, it would be time to arouse interest again. A committee from the Club, he said, would undoubtedly go before the Bill Committee at Albany, and would communicate with all the horticultural bodies throughout the State, asking their co-operation. The matter was a most important one and throughout the State the New York Florists' Club was looked up to to push it along; therefore, it was hoped that every member of the Club would go the limit in furthering the Bill.

F. R. Pierson also spoke on the matter, dwelling upon the necessity, when the Bill was in committee, of getting a hearing. He said it was most important to get a good strong delegation to Albany to urge the passage of the Bill. If the committee should report it favorably, it would go through the regular routine before reaching the Assembly. The proper place to work for its passage was before the House Committee. He had no doubt that the Club's committee would look out for that stage of the proceeding.

F. H. Wilshire of Brooklyn and J. S. Slimon of New York were elected to membership in the Club, and both gentlemen, with Mr. Blomberg, who was elected at the last meeting, were formally introduced to the Club.



Harry A. Bunyard
Elected Vice-President N. Y. F. C. for 1911



J. B. Nugent, Jr.
President-Elect New York Florists' Club

The report of the outing committee by Chairman H. A. Bunyard, which, at the last meeting, was deferred to the present meeting, being offered for discussion, Mr. O'Mara moved, and his motion was carried, that the report be accepted and that a check be drawn for the deficit in the expenses. On motion of Secretary Young, a rising vote of thanks was extended to the outing committee for their services.

Secretary Young reported the death of Frank Manda, brother of three of the Club's members, and moved that a committee be appointed to prepare a resolution of sympathy with the family of the deceased. President Miller appointed as such committee C. D. Weathered, H. A. Bunyard and F. H. Traendly.

One of the best exhibits ever before the Club was staged that evening by the E. G. Hill Co. of Richmond, Ind.—two vases of the new Roses, Rose Queen and Sunhurst, and a magnificent vase of the Rose Mrs. Aaron Ward. These Roses made a grand showing after their long journey, and were in the pink of condition. Rose Queen surprised all by its magnificent coloring under artificial light conditions. Everyone present concurred in the opinion that this Rose was destined to become an important factor in the commercial class of Roses. The large flowers, on long stems, appealed particularly to the retailers present. Sunburst, a beautiful yellow, too, was seen to be a peer in its class. While the Rose Mrs. Aaron Ward, was known to a few, it had not been seen before in New York to the same advantage. Although it has been a factor in the Boston market for some time, it has not figured in commercial stocks in the New York market, much to the surprise of many growers who saw it for the first time.

F. R. Pierson Co., Tarrytown, N. Y., staged two splendid vases of an improved Pink Killarney Rose. This variety is a sport from White Killarney, and while possessing all the good features of the parent stock, the flowers are considerably larger, and the color more delicate and uniform. This is the first time the variety has been shown and it appealed very strongly to the growers present.

C. H. Totty, Madison, N. J., showed vases of the new Carnations, White House and Princess Charming, both of which attracted considerable attention.

W. A. Manda staged several plants of a new Scarlet Begonia, yet unnamed; and Charles Lenker of Freeport, L. I., N. Y., staged a vase of an improved Stevia which was very pleasing and looked like a good thing.

E. G. Hill, being present at the meeting, was called upon to say a few words in regard to his exhibits, and Roses in general. He prefaced his address with a few jocular remarks concerning his appearance at the meeting. He said that upon reaching New York he met Mr. O'Mara and afterwards Mr. Totty and others, and it seemed to him he had done nothing but eat, having his drinking done by proxy. Referring to a visit last week to Philadelphia, he said he had been very pleased with the new Roses he saw exhibited before the Florists' Club of that city, Melody, Double Pink Killarney and Hilda, and that evening he had the additional pleasure of seeing Mr. Pierson's Improved Killarney. Modesty, he said, forbade him talking of his own new varieties then on the table. All these new Roses, he thought, should interest not only the grower, but especially the retailer. It was his belief that retail men did not treat the introducers of new Roses and Carnations as they should. He was going to say that they had treated them shabbily, but that was hardly the word. They certainly might accord more encouragement than they had done in the past. Milliners, he said, were ever on the alert for new things in the way of fashion to place before their customers, and it was fresh in his memory that a lady in New York City had said to him that she was tired to death of having to use the same old Roses in her table decorations that had been grown and passed over the counter for a number of years. He believed that the retailers now were inclined to take up new things and that it would be better for the growers, the commission men and the retailers to have more interesting things to offer. Of course, he said, he was met with the statement that there were too many new Roses to introduce, but there was a way to get rid of the worthless new varieties. In Paris, he believed, they had started on the right line. There they solicit and ask growers of Roses all over the world to send new varieties and have them passed upon on three different occasions; in June and September of one year and again the following year. For the best variety they awarded what was known as the Paris Gold Medal, and the Horticultural Society of France and the French Rose



John Young
Re-elected as Secretary N. Y. F. C. for 1911



W. C. Rickards, Jr.
Re-elected as Treasurer N. Y. F. C. for 1911

Society also gave medals. He had had the pleasure, last Spring, of acting as one of the jury in Paris and out of 185 varieties placed on exhibition only six or seven measured up to the required standard. He thought it safe to accept the awards of the juries there as guarantees that the varieties were meritorious. He referred to Pernet Ducher as one of the most successful growers of new Roses and as having introduced more beautiful varieties than anyone else. Sunburst, the one before the Club, he said, was one of his and came from six, seven or eight generations, among them Yellow Persian, which gave it its color. At Lyons, he saw this Rose in magnificent condition, the color most glowing, quite as fine as the old Yellow Persian, and the flowers quite double. Referring to the large number of new Roses offered by European growers to the American trade, he considered such offerings most unfortunate. Growers on the other side did not know the requirements of the trade over here. A few of the growers in England seemed to have caught on and were making earnest effort to please us and he wished to bespeak the help and encouragement of the trade in America for them.

The Roses he had staged before the Club he believed should speak for themselves. He would, however, say that in Rose Queen, his own child, so to speak, the color appealed to him most strongly. He knew of a good many growers out in the West who were making an effort to introduce new Roses different in color and variety from the regular varieties, and they were working on lines which they hoped would bring good results. Rose Queen, he said, was one out of some five or six dozen seedling Roses carefully crossed originally and studied. In hybridizing, he said, one had to wait nearly a year for seed to ripen, then wait to see what he had got, and afterwards try the selected seedlings out.

F. R. Pierson also, upon invitation, spoke of his new Killarney Rose. It had, he said, greatly interested him as a sport from his stock of White Killarney, and he expressed his present intention of growing along a stock of it for his own cutting.

Mr. Manda, speaking of his new Begonia, said it was the result of a cross between Begonia semperflorens and a species from India. The variety was being tried out, but he believed it would prove to be a good Winter flowering variety.

Quite a little discussion then ensued on Roses in general, the outdoor Roses in particular. There seemed to be a desire on the part of the members present to know what were the best varieties for growing outdoors. Robert Simpson, Clifton, N. J., said that he had experimented with a good many Roses for his own pleasure and found the best pink Rose for outdoors was My Maryland, and for second place he would favor Mrs. Marshall Field. The best red Rose with him was Cardinal. Mr. Hill considered that in his grounds the two varieties of Maman Cochet were the best, but he thought a good deal of the new Rose W. R. Smith, which gave a wealth of bloom very high in quality. Gen. McArthur was an excellent sort, he believed, and the Cincinnati Rose, President Taft, would make an excellent bedder. Mr. Pierson thought he should give the palm to the variety Gruss an Teplitz. Mr. O'Mara also favored Gruss an Teplitz and declared no Rose on the exhibition table that evening excelled it. He criticised somewhat the work of the American Rose Society, which Society he considered paid too much attention to the forcing Rose and not enough to garden Roses.

Mr. Hill, being asked what he thought of the Rose Etoile de France, said it was a beautiful variety and, although not grown largely in this country, he had seen it in Tennessee and Georgia in excellent shape. Speaking of Roses grown outside in America being subject to black spot and other troubles, he advocated a spraying with Bordeaux mixture. If this were done liberally he thought outdoor Roses would take on an entirely different appearance.

Election of officers was a most interesting proceeding. J. H. Fiesser withdrew from the contest for the vice-presidency in favor of H. A. Bunyard; and J. H. Pepper withdrew from the contest for the secretaryship in favor of John Young, the present incumbent, who, he said had served as secretary for twenty years and should be permitted to attain his majority with a unanimous vote. The contest was thus narrowed down to the offices of president and treasurer. The result of the election was as follows:

President, John B. Nugent, Jr.; vice-president, H. A. Bunyard; secretary, John Young; treasurer, W. C. Rickards, Jr. Directors: Frank H. Traendly, C. H. Totty, and Charles Weber. H. A. Bunyard having resigned his trusteeship, I. S. Hendrickson was elected to serve as trustee for the unexpired term.

J. A. Manda and A. R. Kennedy, candidates for the offices of president and treasurer respectively, moved to make the votes for these officers unanimous. Their proceeding met with much applause.

The Committee on Awards made its report on the exhibits as follows:

E. G. Hill Co., Richmond, Ind., for Rose, Rose Queen, 90 points and a preliminary certificate; for Rose Sunburst, 90 points and preliminary certificate; for Rose Mrs. Aaron Ward, a vote of thanks.

F. R. Pierson Co., Tarrytown, N. Y., for Rose Improved Pink Killarney, 87 points and preliminary certificate.

Charles H. Totty, Madison, N. J., for Carnation White House, 90 points and a preliminary certificate. For Carnation Princess Charming, a vote of thanks; this variety having already been awarded preliminary certificate.

To Charles Lenker, Freeport, L. I., N. Y., for an improved Stevia, a cultural certificate.

To W. A. Manda, South Orange, N. J., for seedling Begonia, a vote of thanks.

The house committee provided a substantial lunch in which roast turkey predominated and at which social intercourse, as usual, was indulged in to the limit.

The New York Express Deliveries

It was stated in our last issue that the Wells-Fargo Express Co. had ceased to make the 8.30 a.m. delivery of flowers to the wholesale cut flower dealers, and that the wholesalers were circulating a petition asking the express company to restore this early delivery. The petition was duly presented by Walter F. Sheridan, 133 West 28th st., and the following very satisfactory reply received by him; the early delivery being restored several days ago:

Mr. Walter F. Sheridan,

Dear Sir: "We received today a communication dated the 5th inst., signed by the wholesale flower dealers in your vicinity, and acknowledged receipt of it to you, inasmuch as your name heads the list. After the readjustment of the hours of our wagonmen, which took place on December 1, it was our intention to give the flower dealers the same deliveries as obtained previous to December 1, but you will appreciate that in rearranging a schedule for about 150 wagons, a few mistakes had to be looked for, and unfortunately proper provision was not made for this service. However, the matter has now been corrected, and commencing at once you may expect to receive your deliveries at the old hours, and if at any time in the future you should have occasion to complain of this service, be kind enough to advise. Yours truly,

F. J. Hickey, General Agent.

On the very same day, Thursday, on which the Wells-Fargo Co. restored the early delivery, the United States Express Co. served, through one of their agents, a verbal notice on the wholesale cut flower dealers that flowers hereafter would be delivered in the regular routine of delivery, as ordinary merchandise, and that there would be no special 8.30 a.m. delivery. This would mean a delivery usually somewhere between 10 and 12 a.m. or sometimes even later, possibly. Up to this time, Dec. 14, this change has not gone into effect, and it is hoped that the United States Express Co. has reconsidered the matter and will continue the usual early morning delivery which it is now making.

Rhododendron Spinuliferum

Botanists say that the Rhododendrons native to the eastern slopes of the Himalayas, in Nepaul and on the mountains of Tibet, are very different from the kinds that we know, and that it takes a close examination to recognize them as real Rhododendrons.

A case in point is the new Chinese Rhododendron spinuliferum, a seedling of which flowered for the first time in March of this year in a glass-covered coldframe on the grounds of Maurice L. de Vilmorin at Barres, France, which gentleman describes this curious plant in a recent issue of the Revue Horticole. It is entirely unlike in habit and in the appearance of its flower to any other variety.



Rhododendron Spinuliferum

Its slender, fine, straight, round stem, that quickly sheds its leaves, suggest a high-growing shrub, one drawn upward by the light. In habit it resembles R. Augustini, but the flower is entirely distinct in shape, tapering at both ends, like a much elongated bell; the lobes of the corolla, which are generally united in the Rhododendron, are here separated but overlapping, so as to form a closed corolla. The pistil and the ten stamens project from the flower, the latter about ½ in. and the former ⅜ in. further; these organs are therefore a characteristic mark of the flower. The pistil emerges from the bud somewhat earlier than the stamens, indicating fertilization by the pollen of another flower. The corolla is about 1 in. long and ½ in. across at the top; it is of a pale orange yellow color, with the upper part a bright cochineal red. The flowers come in terminal clusters of 5 to 12. The lanceolated leaf is about 3 in. long; partly red when young; turns brown at maturity, and again to a bright red when falling. This Rhododendron is a native of Yunnan, China; the first seed was sent to Mr. Vilmorin in 1907, who since then has succeeded in raising several plants from it.



Charles H. Totty **Charles Weber** **Frank H. Traendly** **I. S. Hendrickson**

Trustees-elect of the New York Florists' Club

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker FLORIST — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co — BALTIMORE MARYLAND — 902 South Charles St.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank E. Crumb's — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura Street

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

A Wreath Unique

The design we show herewith is unique in many ways and one of a nature seldom seen. It was designed by Young & Nugent of 42 West 28th st., New York, for the German-American Alliance of the State of New York, including all local societies of the Alliance from New York City north to Buffalo. The wreath was composed of Acorns, Pine Cones and Magnolia leaves, and was made for the unveiling of the statue of General Von Steuben, which event took place at Washington, D. C., Dec. 6.

Rochester, N. Y.

As a sequel to the recent convention of the S. A. F. held in this town, the wives of several prominent local florists have shown their progressive spirit and interest in the ladies' auxiliary idea by organizing a local association. This is due entirely to the efforts of Mrs. W. L. Keller, who was the first Rochester lady to join the S. A. F. auxiliary. Last week she gave a party at her home, inviting other florists' wives, the outcome of which is a ladies' auxiliary to the Rochester Florists' Association, with Mrs. W. L. Keller president, Mrs. Fred Vick vice-president, Mrs. Albert Vick secretary, and Mrs. E. R. Fry treasurer.

The first meeting ended successfully, and a resolution was adopted to the effect that a large delegation of ladies leave Rochester for the Baltimore convention next year. Surely this is a step in the right direction, and let us hope that florists' wives in other cities will notice it and do likewise.

H. B. STRINGER.

See Christmas Card Announcement on Page 1137



Arthur Dummett Inc. — MOUNT VERNON AND WHITE PLAINS NEW YORK STATE

J. N. Champion & Co — NEW HAVEN, CONN. 1026 Chapel Street Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY 1294 Broadway Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer — NEW YORK 609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard Floral Co. — NEW YORK 413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex McConnell — NEW YORK 571 Fifth Avenue

Charles Henry Fox
The Sign of the Rose
Broad St. below Walnut
Philadelphia.
We deliver to all suburbs of Philadelphia, Atlantic City and all New Jersey resorts.

T. J. Johnston & Co. Florists — PROVIDENCE, R. I. 171 Weybosset St.

J. B. Keller Sons — ROCHESTER, N. Y. 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. 122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidatad phones.

Holm & Olson — ST. PAUL, MINN. 20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

SAN FRANCISCO and SOUTHERN CALIFORNIA
Julius Eppstein — SAN FRANCISCO, CALIFORNIA
The California Florist — 344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention; exceptional facilities for delivering flowers on outgoing steamers. We cover all California and guarantee satisfaction. Wire us your orders.

Blackistone — WASHINGTON, D. C. 14th and H Streets
Also
1601 Madison Ave. BALTIMORE, MD.
J. Dan Blackistone

Gude Bros Co. — WASHINGTON, D. C.
Florists
1214 F. Street, N. W.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.



Shower Wreath

This wreath is made of white Roses and Ferns, with long stemmed American Beauty Roses, and Leucothoë sprays at the bottom to produce a shower effect. It is a very effective and profitable design to sell to a committee of employees, an association or a club.

By Charles Henry Fox, Philadelphia, Pa.

Littlefield Florist — WORCESTER, MASS. 407 & 409 Main St.

For "Supply" Advertisements see pages 1136-38

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Prea. Grant	Dec. 17	10.00 am.	1st St., Hoboken	Hamburg
Caledonia	" 17	10.00 am.	W. 24th St., N. Y.	Glasgow
Minnehaha	" 17	10.30 am.	W. 16th St., N.Y.	London
Arabic	" 17	11.00 am.	W. 19th St., N. Y.	Liverpool
Mauretania	" 17	6.00 pm.	W. 14th St., N. Y.	Liverpool
Themistocles	" 17		Pier 33, Bklyn	Constant'ple / Piraeus-Smy'a
Noordam	" 20	10.00 am.	5th St., Hoboken	Rotterdam
Vaderland	" 21	10.00 am.	W. 18th St., N. Y.	Antwerp
Teutonic	" 21	3.00 pm.	W. 21st St., N. Y.	Southampton
Guyane	" 21		W. 44th St., N. Y.	Bord'x-Dunk'k
Rhein	" 22	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 22	10,00 am.	W. 15th St., N.Y.	Havre
Pennsylvania	" 22	11.00 am.	1st St., Hoboken	Hamburg
Volturno	" 22		Pier 38, Bklyn	Rotterdam
Baltic	" 24	12.00 m.	W. 19th St., N. Y.	Liverpool
Minnetonka	" 24	12.00 m.	W. 16th St., N.Y.	London
Chicago	" 24	3.00 pm.	N. Y.	Havre
Floride	" 24	3.00 pm.	N. Y.	Havre
Russia	" 24		Bush Dks. Bklyn	Rot'd'm-Libau
Re d' Italia	" 27	12.00 m.	Gr'nd St. Jer. Cy	Naples-Genoa
Lusitania	" 28	9.00 am.	W. 14th St., N.Y.	Liverpool
Samland	" 28	10.00 am.	W. 18th St., N.Y.	Antwerp
America	" 28	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
Venezia	" 28	3.00 pm.	31st St., Bklyn	Naples-Mars.
D'a D'Abr'zzi	" 29	11.00 am.	W. 34th St., N.Y.	Naples-Genoa
United States	" 29	2.00 pm.	17th St. Hoboken	Copenhagen
La Bretagne	" 29	3.00 pm.	N. Y.	Havre
Mesaba	" 31	9.00 am.	W. 16th St., N. Y.	London
St. Louis	" 31	10.00 am.	W. 23rd St., N.Y.	Southampton
Celtic	" 31	10 00 am.	W. 19th St., N.Y.	Liverpool
Geo. Washington	Jan. 3	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 3	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 4	10.00 am.	W. 14th St., N.Y.	Liverpool
Kroonland	" 4	10.00 am.	W. 18th St., N.Y.	Antwerp
Laura	" 4	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
La Lorraine	" 5	10.00 am.	W. 15th St., N.Y	Havre
Amerika	" 5	11.00 am.	1st St., Hoboken	Hamburg
Cincionati	" 5	12.00 m.	1st St., Hoboken	Gib-Algiers / Naples-Genoa
Germania	" 5	3 00 pm.	31st St., Bklyn	Naples
Campanello	" 5		Pier 38, Bklyn	Rotterdam
Montserrat	" 5		Pier 8 East River	Cadiz-Barcel'a
Oceanic	" 7	10.00 am.	W. 21st St., N.Y.	Southampton
Minnewaska	" 7	10.30 am.	W. 16th St., N. Y.	London
Berlin	" 7	11.00 am.	3rd St., Hoboken	Naples-Genoa
Furnessia	" 7	12.00 m.	W. 24th St., N. Y	Glasgow
Carmania	" 7	12.00 m.	W. 14th St., N.Y.	Gib-Alg-Genoa / Nap-Alex-Fme
Caroline	" 7	3.00 pm.	N. Y.	Havre
Kursk	" 7	12.00 m.	Bush Dks. Bklyn	Liban
From Boston				
Bohemian	Dec. 21	1.30 pm.	B&ADks, E.Bos.	Liverpool
Corinthian	" 23	2.00 pm.	MysticWhf. Char	Glasgow
Devonian	" 28	8.00 am.	B & M Dks. Char	Liverpool
Cambrian	" 30		B & M Dks. Char	London
Lancastrian	Jan. 4		B&ADks, E.Bos.	Liverpool
Lake Erie	" 6	1.00 pm.	MysticWhf. Char	Glasgow
Winifredian	" 11		B& M Dks. Char	Liverpool
Georgian	" 13		B&ADks, E.Bos.	London
Ivernia	" 17		B&ADks. E.Bos.	Liverpool
Philadelphia				
Menominee	Dec. 23	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 24		24 No. Wharves	Glasgow
Merion	" 24	10.00 am.	53 So. Wharves	Liverpool
Graf Waldersee	" 28		Alleghany Ave.	Hamburg
Friesland	" 31	10.00 am.	53 So. Wharves	Liverpool
Mongolian	Jan. 7		24 So. Wharves	Glasgow
San Francisco				
Chiyo Maru	Dec. 20	1.00 am.	1st Street	Honolulu
Asia	" 27	1.00 am.	1st Street	Japan
Mongolian	Jan. —	3.00 pm.	1st Street	China



Making Christmas Roping in Indiana

Interior of Bach's Seed Store, North Delaware St., Indianapolis, Ind., During the Holiday Rush



Basket or Azaleas, Primulas, Pteris Ferns, and Crotons
By Hoffmeir, New York.

The Little Pine Tree

A Christmas Story by Jas. L. Carbery

It was Christmas eve, the air was crisp and the snow crackled under the feet of the many who passed up and down the streets bearing well-filled packages fastened with Santa Claus seals and bows of scarlet. A full moon was slowly rising above the horizon in the direction of the more densely populated section of the "City Beautiful."

"Let's go down town, grandpa," said a little girl to an elderly gentleman, as they sat together in the dining room of their home just after the evening meal; "there is something I want to get for tomorrow."

"I fear," said the old man, "that you want more than we can pay for just now; times of late, you know, have been pretty hard on us, and"—

"No, no, grandpa," broke in the child, "I don't want you to spend any of your money, I have some of my own which I have been saving up ever since last Summer. All I want is for you to go with me."

"Well," said the old gentleman, "it is a very simple request, and we will go," so, fitting action to the word, he put on his storm coat, helped the little girl to wrap up warmly, and off they started down town.

The fresh, crisp air, after coming out of the stuffy room, seemed to invigorate both, and they chatted together as they walked over the snow through the long streets. The brightly illuminated homes, the big department stores, with the sea of humanity passing in and out, seemed unable to attract the little girl any more than the jingle of bells from the passing sleighs. After half an hour's walk she suddenly halted before the windows of one of the city's largest florists' stores, where she gazed in at the magnificent Azaleas, Rhododendrons and huge baskets of cut flowers and plants, each embellished with bits of red crêpe paper and sprays of Holly, but, to her, there seemed something still lacking.

"Let's go inside," she said, "I am sure we will find it there," and, closely followed by the old man, they fell in line among the other flower buyers.

"What is it you want?" he asked, as they passed down the long aisles of plants and cut blossoms.

"Oh, I don't know the name of it," she replied, "but we will surely find one somewhere in here," she continued.

Far back in the store she suddenly halted before a group of Araucarias: "Oh, there they are," she said, "I knew we'd find them soon," and, grasping one of the plants, she gave it a most minute inspection, looking now and then to grandpa for his approval of her conception of its many good points.

"Isn't it a dear," she said, "just look how that red ribbon and the red crêpe paper around the pot correspond with the green foliage of the plant; this is just the one I want."

The proprietor of the store was rushing by with an armful of plants for delivery when he felt a slight touch on his arm: "Mister, how much is this?" she asked.

"Five dollars," replied the busy man as he passed on.

Slowly the child moved over to the spot from which she had taken the Araucaria; briny tears came into her eyes as she reluctantly reached to replace it in its former position, but she saw the dealer coming back and, still keeping one extended hand on the plant, she said: "Mister, can't you take two dollars for this? It's all I have; mama always loved these little Pine trees, and I want it for her grave."

The big heart of the florist responded immediately; with one hand he grasped the plant, and with the other his handkerchief, and hastily wrapping the Araucaria, he handed it to the child. "No, indeed, little girl," he said, "the pleasure is mine alone; I had a mother once; get something for yourself with that money and come in again to see me when you are passing."

Christmas morning found an old man and a little girl kneeling over a snow covered grave; the little one was tenderly placing a plant there.

The florist in his private office was hastily reviewing Christmas sales. "How was the trade this year?" asked a close friend, standing by. "The best I ever knew," replied the dealer, "but the best of all was the donation of a small plant to a child last night," and forthwith he modestly told what he knew of the story of The Little Pine Tree.



Christmas Baskets
Cocos Palm, Croton, Adiantum, Dracæna and Maranta — **Erica, Croton, Dracæna, Pteris and Tradescantia**

THE FLORISTS' EXCHANGE DESIGN BOOK

Every Retailer should have a copy of this valuable collection of designs on his desk. It can be obtained only through subscription for this paper;

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.



Christmas Basket composed of Erica, Cyclamen, Croton, Dracæna, Pussy Willow and Tradescantia
Executed by Myer, Florist, New York.



Christmas Basket—Flemish Wheelbarrow Filled with Azaleas, Dracæna, Pteris Ferns and Pussy Willows.
By Hoffmeir, New York.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

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TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

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Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

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ASCHMANN BROS.

FLORISTS

SECOND AND BRISTOL STS. AND RISING SUN AVENUE **Philadelphia, Pa.**

We Are Headquarters For Ferns and Araucarias

NEPHROLEPIS Bostoniensis, Scottii, Scholzeli, Whitmani and **Whitmani Compacta,** in 5½ inch pots, 40 and 50 cents each, 4 inch, $2.00 per dozen.

DISH FERNS, 2½ Inch, $4.00 per 100, fine assortment.

ARAUCARIA EXCELSA, 5½ inch pots, 4 to 5 tiers, 50, 60 and 75 cents each, good value.

PRIMULA Obconica and **Chinensis,** 4 inch, $10.00 per 100.

ASPARAGUS PLUMOSUS, 4 Inch, $10.00 per 100.

FICUS ELASTICA, 5½ inch pots, 35 and 40 cents each.

KENTIA BELMOREANA, 4 Inch, 30 cents each.

DAISIES, Queen Alexandra, 4 Inch, $8.00 per 100; 2½ and 3 Inch, $5.00 per 100.

Mention if you want the pots. *Cash with order, please.*

Please mention the Exchange when writing.

Geraniums

ROOTED CUTTINGS READY FOR SHIPMENT

10,000 MADAME BUCHNER

8,000 S. A. NUTT, $10.00 per 1000

Cash with order

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

Greenhouse Building

The John C. Moninger Co., Chicago, has received an order for three greenhouses, each 31x390 ft., from W. Frank & Sons, Portland, Ind. These houses are to be strictly modern, of Cypress construction, and work will be started immediately on the range. One thousand boxes of glass will be needed to glaze the houses and 40,000 ft. of pecky Cypress will be used for the benches. Two thousand 18-ft. sash bars will be used for the roof work, and there will be 300 ventilator sash for roof ventilation on the three houses.

GERANIUMS Doyle, S. A. Nutt, Buchner, 2-in. pots, $1.80 per 100; $18.00 per 1000. Ricard, Poitevine and others, 2-in. pots, $2.00 per 100; $20.00 per 1000.

	R. C. Per 100	2-in. Per 100
Feverfew	$1.00	$1.50
Coleus	.60	1.50
Vinca Variegata	1.00	2.00
Ageratum	.60	1.50
Heliotropes	1.00	1.50

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

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GERANIUMS

RICARD S. A. NUTT BUCHNER

From 2¼-inch pots

Extra Fine lot of Strong, Cool-Grown Plants

$2.25 per 100, $20.00 per 1000

Order Now—Address

J. R. BROOKS

OXFORD DEPOT (Orange County), N. Y.

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WEST WAREHAM, MASS.—Everett Benson is enlarging and improving his greenhouse.



Exhibit of J. Bolgiano & Son, Seedsmen of Baltimore, Md., at the Recent Show of the Maryland State Hort. Society held in that city.

S. A. Nutt Geranium Cuttings

Especially fine: $1.50 per 100, $12.00 per 1000.

GEORGE B. HART, 24 Stone Street, Rochester, N. Y.

Please mention the Exchange when writing.

Geraniums!! Geraniums!!

S. A. Nutt, Beaute Poitevine, Brett, La Favorite, Buchner, Doyle, Brianti, Vlaud, Castellane, General Grant and several others, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.

FEVERFEW, 2¼-in. pots, $1.75 per 100; $15.00 per 1000; rooted cuttings, $1.00 per 100.

HELIOTROPE, 2¼-in. pots, $3.00 per 100.

FUCHSIAS, 2¼-in. pots, $3.00 per 100.

COLEUS, 2¼-in. pots, in variety, $2.00 per 100.

ACHYRANTHES Lindeni, rooted cuttings, $1.00 per 100.

Cash must accompany the order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings

S. A. Nutt, Ricard, Poitevine, Buchner, Doyle and **Castellane,** ready for Shipment January 10th:—**S. A. Nutt** and **Buchner,** $10.00; others, $12.50 per 1000; **Coleus Rooted Cuttings** of **Verschaffeltii, Golden Bedder** and **Victoria,** fine, clean stock, $5.00 per 1000; 2 inch, strong, $16.00 per 1000, $2.00 per 100. **Cash.**

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings

Best Standard Varieties Mixed

$1.25 per 100. **$10.00** per 1000

FLORAL HILL GARDENS, G. F. Nelpp, Proprietor **CHATHAM, N. J.**

Please mention the Exchange when writing.

50,000 Geraniums. Not trees, but good short stocky plants cool grown. First 10,000, 2¼-in. pots to be booked for January, 1911, delivery, at **$15.00** per 1000 in lots as follows: 350 S. A. Nutt, 350 Buchner, 100 Castellane, 100 Ricard, 100 Poitevine.

Rose and **Lemon Geraniums, Salvia Bonfire, Heliotropes, Swainsona Alba, Fuchsias COLEUS Golden Bedder** and **Verschaffeltii.** All 2¼-in. pots, at **$15.00** per 1000; 250 at the above rate. Cash with order.

P. J. SCHRODER, Chapin Greenhouses, **PINE BROOK, N. J.**

Please mention the Exchange when writing.

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GERANIUMS

S. A. Nutt, Beaute Poitevine, Buchner, and **Mixed,** out of 2¼ inch pots, at $2.00 per 100.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillion red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.

Terms cash.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

Orders of the following all booked for December: Poitevine, Jaulin, Vlaud, Castellane and Ricard. For January, February, March and April, these will be $12.00 per 1000.

Orders taken for the following: Nutt, Doyle, Grant and Buchner at $10.00 per 1000. Cash with order.

FRED. W. RITCHY, First & Ruby Sts. **LANCASTER, PA.**

Please mention the Exchange when writing.

Plant Culture

By GEO. W. OLIVER

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New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your man.

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To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

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Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 **NEW YORK**

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As Rose Grower or general florist. Please address, stating particulars, "Permanent" care The Florists' Exchange.

SITUATION WANTED—By greenhouse man, German, 36, experience in growing all kinds of pot plants and cut flowers. Address Florist, R 2, Ludlow, Mass.

SITUATION WANTED—By Rose Grower, strictly sober and industrious; capable of taking charge. References. Address U. E., care The Florists' Exchange.

SITUATION WANTED—As an all-round greenhouse hand; experienced in general line of cut flowers, bedding plants, etc. Address S. B., 290 East 4th Street, New York City.

SITUATION WANTED—By young landscape gardener, who is well versed with the retail trade and familiar with New York City or Brooklyn territory. Address U. B., care The Florists' Exchange.

SITUATION WANTED—By young practiced grower, able to take charge of small place; experienced in Roses, 'Mums, Carnations and general stock. Address U. A., care The Florists' Exchange.

SITUATION WANTED—By gardener, 37, Englishman, on gentleman's private place; advertiser understands flowers, shrubs and lawns. Please address, stating wages and full particulars, U. F., care The Florists' Exchange.

SITUATION WANTED—By a thoroughly experienced gardener, Scotchman, 36, small family, on private place; life experience, 2 years in America. Highly recommended. Address, A. Macdonald, care James Speyer, Waldheim, Scarboro, N. Y.

SITUATION WANTED—By a life experienced grower of Roses, Carnations, Violets, 'Mums, decorative and bedding plants; middle-aged, single, sober, industrious. State wages. Address, T. K., care The Florists' Exchange.

SITUATION WANTED—As seedsman, by young married man, German, 29, reliable and honest, familiar with vegetables and farmseeds, wholesale and retail trade for import, export or counterwork. Steady position expected. Address, Billy von Heydenaber, 135 West 28th Street, New York City.

SITUATION WANTED—By hustling, all-round grower of Beauties, Teas, Carnations and general stock. Good grafter; nineteen years' experience. Capable of taking full charge; good at handling men. Abstainer; married. References. Address, stating wages and full particulars, U. G., care The Florists' Exchange.

SITUATION WANTED—By an expert designer and decorator, who is a good salesman with best of references, used to high class trade; able to take charge. Position as first hand in a first class establishment expected. Western vicinity preferred. Please state wages and full particulars in first letter. Address U. C, care The Florists' Exchange.

CARNATION SPECIALIST

Open for position as manager or foreman. One of the leading winners in important classes at the most prominent shows in the country. A grower with a national reputation, successful both East and West. Highest recommendations from the leading specialists. Failure not known, always done well. Only first-class places considered, firms who want to be leaders. My record in a class by itself. Address, T. D., care The Florists' Exchange.

AN advertisement in our columns, will obtain for you a desirable situation at any time and the cost is a very small item.

HELP WANTED

WANTED—Single man as assistant in Roses and Smilax. Steady position; expected to help with fires in the evening. Fred'k C. Schweinfurth, Ridgewood, N. J.

WANTED—Good Carnation Grower. Must have had experience. Address, stating references and salary expected, U. H., care The Florists' Exchange.

WANTED—Bookkeeper thoroughly experienced in nursery line; strictly temperate; best of references required. State wages. The Elizabeth Nursery Co., Box 197, Elizabeth, N. J.

WANTED—A competent florist, man or woman, for sales department, fruits and flowers at Palm Beach, Florida, for February and March. Give references. Foster & Foster, 1 Madison Ave., New York City.

WANTED AT ONCE—A man thoroughly familiar with growing Christmas, Easter and Spring Stock; must be competent and a good all-around man. Only good pot plant growers need apply. Louis Dupuy, Whitestone, L. I., N. Y.

WANTED

To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade.. Address SOUTHWORTH BROS., Beverly, Mass.

WANTED—By large commercial place in the East, married man, thoroughly experienced on making up of funeral work and attending to customers of a general retail trade. Must also understand the shipping of cut blooms to the wholesale markets. One with thorough experience and capable of taking charge of packing room and designing may have a steady position with proper pay. Reply, with references, to T. M., care The Florists' Exchange.

Experienced Rose Growers Wanted

Give reference and state wages in first letter.

ROBERT SCOTT & SON
SHARON HILL, DEL. CO., PA.

Wanted at Once

5

Skilled Workmen for Wire Designs

Must be sober and industrious.

No others need apply.

Henry M. Robinson & Co.
15 Province Street
BOSTON, MASS.

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS—Halliday, Pink and White Ivory, Yellow and White Bonnaffon, J. Nonin, Dr. Enguehard, Mrs. Jerome Jones, $3.00 per 100; $25.00 per 1000. Miss M. Hankey, Lady Roberts, Ongawa, Mrs. J. Neil, Gloria, Mrs. Swinburne, O. H. Broomhead, Mrs. Coombs, Mrs. J. Marshall, Henry II, Sunderbruch, 60c. per doz. E. H. Frenking, 1200 Hamilton Ave., Trenton, N. J

CHRYSANTHEMUM STOCK PLANTS.—White: Early Snow, Polly Rose, G. S. Kalb, Touset, Poehlmann, Ivory, White Cloud, Eaton, Baby Marguerite. Pink: Pacific Supreme, Rosiere, Shaw, Gloria, Liger, Duckham, Dean, etc. Red: Shrimpton and Cullingfordii. Yellow: Golden Glow, Monrovia, Geo. Pitcher, Eaton, Appleton, Golden Eagle, Golden Wedding, Nagoya, Rieman, etc. 50c. per doz.; $4.00 per 100. President Taft, Golden King, Mrs. Kelley, Golden Dome, 75c. per doz.; $6.00 per 100. Mrs. A. R. Peacock and Mrs. Wm. Wincott (Totty Novelties, 1910), $2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

PELARGONIUMS—Mrs. Layal, $5.00 per 100, $40.00 per 1000. 2-in. stock. Cash. A. J. Winget, Mansfield, Ohio.

STOCK FOR SALE—4000 Jerusalem Cherries, pot grown, loaded with ripe berries, elegant plants, 4-in., $15.00 per 100. Cash. F. Sokol, College Street, Worcester, Mass.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted loto soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkatone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piersoni, 6 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 6 in. pots, 35c. each, 6 in. pots, 60c. each. Cash. Queen City Floral Co., Manchester, N. H.

STOCK FOR SALE—Chinese Primroses, 4 in., 10c.; Primulas, 4 in., 10c.; in bloom; fine for Christmas. Cyclamen, 4 in., healthy stock, in bud and bloom, 10c. Cash, please. F. B. Rine, Riverview Greenhouses, Lewisburg, Pa.

CHRISTMAS PEPPERS, 12 to 20-in. across, 12 to 25-in. high, 75 to 200 fruit to a plant, 5 and 6-in. pots, 15c. JERUSALEM CHERRIES, 10 to 16-in. high, 10 to 15 in. across, 75 to 300 fruit to a plant, 6-in. pots, 15c. Cash please. Riverview Greenhouses, Lewisburg, Pa.

CARNATION CUTTINGS

Jan. 1st, delivery of Beacon, White Perfection, Enchantress, $2.50 per 100, $25.00 per 1,000. Harlowarden, $2.00 per 100, $20.00 per 1,000. Satisfaction guaranteed. Order now for very best rooted cuttings. Cash with order, please. William McRoberts, Maple St., Waverly, Mass.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 60 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $60.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $26.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

SEE OUR ADVERTISEMENT IN ISSUE OF DECEMBER 10TH, PAGE 1058.

Callas, extra strong, pot-grown, ready to bloom, $2.50 per doz., $17.50 per 100.

Acuba Japonica Variegata, 1½ to 2 ft., very bushy, $4.00 per doz., $25.00 per 100.

Fine green tubs to hold these plants, $2.00 per doz.

Asparagus Plumosus Nanus, 3-in., very bushy, $5.00 per 100.

Kentia Belmoreana Palms, fine stocky plants, 4-in. pots, 12 to 15 inches, $2.50 per doz., $18.00 per 100, etc.

Cash with Order.

THADDEUS N. YATES & CO.,
Nurserymen & Florists,
Mt. Airy, Philadelphia, Pa.

JERUSALEM CHERRIES—The dwarf variety, fine plants and full of berries; 4-in., 15c.; 6-in., 25c.; 6-in., 35c.

HYDRANGEA OTAKSA—Pot-grown, 6-in. ready for 7-in., with 4 to 7 flowering shoots, 15c. to 20c.; 4-in., 3 to 5 shoots, 10c.

HYDRANGEA—Thomas Hogg, pure white, resembling snowball, fine bushy plants, 5-in., 15c.; 4-in., 10c.

BEGONIA LORRAINE—Nice, clean stock, 6-in., 75c.; 5-in., 50c.

POINSETTIAS—5-in., 25c. to 35c. each; 4-in., 15c.

SWAINSONA ALBA—Heavy plants in bud, 4-in., 15c.

FERNS—For Fern dishes, $3.00 per 100. Asparagus Sprengeri, 4-in., 10c.

Also a fine lot of Primula Obconica and Chinese in 4-in. pots, just budding, at 12½c.

Cash with order, or will exchange for few thousand Nutt, Ricard and Poitevine Geraniums.

JOS. J. SOKOL,
Westville, New Haven, Conn.

A Good Proposition

An interest in a Live Kentucky Establishment, doing a fine Catalog and Nursery Business of long standing. May be purchased by a Strictly Live Man, who may take charge of Greenhouses and Grounds.

For particulars address KENTUCKY,
Care The Florists' Exchange

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in plants, Bulbs, or Nursery Stock.

WANTED—5,000 Enchantress and 5,000 White Perfection, unrooted Carnation Cuttings. J. Niel Jakobsen, Mgr., Springfield, N. J.

WANTED—200 Magna Charta Roses, 2 or 3 years old; must be large and strong.
C. H. Campbell,
3501 Germantown Ave.,
Philadelphia, Pa.

WANTED—Field Plants: Primula Veris Superba, Iris Germanica Queen of May, Violets Double English, Hardy Moon Vines (Ipomea Pandurata).
Palisades Nurseries, Sparkill, N. Y.

WANTED—5,000 transplanted Winter Beauty, Lorillard or Comet Tomato Plants. State price per 1000. Also 25,000 one year old Amwor River Privet, 15,000 one year old California Privet. Nurserymen will oblige by sending us their price lists of Roses and flowering shrubs, Peonies, etc., for cut flower purposes. Fox-Hall Farm, Norfolk, Va., R. F. D. No. 2.

FOR SALE OR RENT

FOR SALE—Retail Flower Store, in one of the best locations in Boston, Mass. A bright future to the right party. Apply to U. D., care The Florists' Exchange.

TO LEASE—Garden Farm, free rent first year, suitable for hot houses, Roses, Garden truck, 20 acres, about one hour from city, Lackawanna R. R., Address, Merritt, Rustic, N. J.

FOR SALE—Florist business in Baltimore, Md., western section, doing a profitable business. Good bargain if sold at once. Best of reason for selling. Address, A. Locher, 2026 W. Pratt St., Baltimore, Md.

FOR SALE—Greenhouse property; ten thousand feet of glass fully stocked for retail trade, in town of fifteen thousand population in Connecticut; also eight-room house. Address T. L., care The Florists' Exchange.

AUCTION SALE OF GREENHOUSE PROPERTY

Six large new greenhouses and 13 acres of land located on the line of The Lake Shore Electric Railroad Company and on the Maumee and Western Reserve Turnpike in Clyde, Sandusky County, Ohio. Double strength glass, 600 Garland Gutters with iron supports, 50 horse power Boiler, 350-bbl. Cistern, good stock of plants and flowers, in all respects a most desirable property. Situated in a prosperous and growing town of over 3000 people, cause of sale dissolution of partnership. Entire stock and plant to be sold together between the hours of 1 and 2 o'clock P. M., Dec. 20, 1910, on the premises to the highest cash bidder. Address, Miller & Arlin, Clyde, Ohio.

Florist's Store

TO RENT

2309 Broadway, New York City

With Fixtures, Refrigerator, etc. Immediate possession given. Rare Opportunity. Telephone to 1290 Riverside.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

SALESMAN

Wants side lines to sell to Wholesale and Retail Florists.. Advertiser represents first class houses. A-1 references. A. Brand, Hotel Braddock, 126th St. and 8th Ave., New York City.

WANTED TO RENT OR Buy—About 5,000 feet of glass; must be in good condition. Address T. N., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—1750 feet of 3-in. old boiler tubes. Apply to J. F. Dour, 369 Canal St., New York City.

FOR SALE—Covered automobile delivery wagon. For photo and full particulars write to
H. F. Littlefield,
Worcester, Mass.

FOR SALE—Two weathered sectional boilers, capacity 2,600 ft.; 4 in. pipe, complete in every way. Price $100.00 each. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J., Jersey City, N. J.

FOR SALE—Two 50 horse-power Erie return tubular boilers, 4½ feet by 12 feet, in good condition. Must be sold at once; best offer takes them. The Charles E. Hires Company, Philadelphia, Pa.

AUTOMOBILISTS, ATTENTION — Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.
I. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—One new 5-section Metropolitan water boiler, guaranteed to heat 4,000 sq. ft. of glass, $100.00.
One new 6-section, guaranteed to heat 5,000 sq. ft. of glass, $118.00.
One new 19-in. round boiler (water) guaranteed to heat 1,500 sq. ft. of glass, $43.00.
One new 25-in. round water boiler, guaranteed to heat 3,000 sq. ft. of glass, $83.00.
1500 ft. brand new standard commercial black steam pipe at 8c. per ft., all threaded and coupled.
New 10x12 double-thick glass at $1.90 per box; 16x12 double-thick glass at $2.40 per box.
New ventilating apparatus at $23.00 per 100 ft., complete.
METROPOLITAN MATERIAL CO.,
1400 Metropolitan Ave., Brooklyn, N. Y.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.
50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.
6,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.
25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.
All the above pipe is guaranteed free from holes and splits, and in good condition.
All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**
Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. MONOGRAM XMAS STATIONERY, three initials, if wanted, 50c. box. General printing. Samples free.

FRED. A. SOTTER, Douglaesville, Pa Box 86L
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PROF. CRAIG

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.
Progressive Florists recognize the growing importance of a knowledge of Landscape Art.
Gardeners who understand up-to-date methods and practice are in demand for the best positions.
A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.
250-page Catalog free. Write today.

The Home Correspondence School
Dept. F. E., Springfield, Mass.
Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-2c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings. 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft. 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x16 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.
Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Seasonable Plants

GERANIUMS, Beaute Poitevine, Gem, Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., extra fine plants, from 2½-in. pots, $2.25 per 100; $20.00 per 1000.
MARGUERITES, from 2½-in. pots, fine, stocky plants, $2.00 per 100.
CHINESE PRIMROSES, 4-in., large plants, Double and Single, Mixed Colors, in bud, $3.00 per 100.
PRIMULA OBCONICA, 4-in., Mixed Colors, in bud and bloom, $5.00 per 100. Try them.
Thousands of all kinds of Flowering and Decorating plants on hand. Orders accepted for Spring delivery, including millions of Vegetable Plants. Correspondence solicited.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.
Please mention the Exchange when writing.

Washington, D. C.

The coldest weather of the season has prevailed here the past two weeks. At the present writing there is about fifteen inches of snow on the ground and, with the clearing weather, the thermometer has tumbled to 8°. There has been a very decided increase in the activity of the local stores. The "Season" is on in full force and there is the usual demand for dinner decorations.

On Dec. 7 the unveiling of the Von Steuben statue made quite a run on the stores for wreaths, shields and laurel rope. Every city of importance in the U. S. sent wreaths. Gude Bros. Co. had the decoration of the statue itself.

We regret to note the death of Archibald Small, brother of J. H. Small, the florist, of this city. His death was caused by injuries received from a maddened boar. J. L. C.

LANGHORNE, PA.—Howard Reifsnyder has erected an attractive greenhouse with bent eaves; also a concrete work house.

THOMPSONVILLE, CONN.—The Brainard Floral & Nursery Co. is building a 50x15 ft. office at its plant on Springfield rd. The old office on Garden st. has been torn down.

ROCKFORD, ILL.—C. H. Woolsey captured a till tapper in his greenhouse on November 26, after lying in wait for the culprit, who admitted previous depredations.

FROZEN STIFF

Don't wait until your plants are ruined!!!



If you haven't used the

LEHMAN WAGON HEATERS or LEHMAN COAL

Order at Once:

3 Drawer Heater, $6.75. Coal, per dozen bricks, 75 cents.
1 Drawer Heater, $2.25. Coal, per 100 bricks, $6.00.

Stumpp & Walter Co

SELLING AGENTS
50 Barclay Street NEW YORK

Please mention the Exchange when writing.

Elberon (N. J.) Hort. Society

A regular meeting of this Society was held in Firemen's Hall, Elberon, Dec. 5, with Pres. Jas. Kennedy in the chair. It was decided that there should be three prizes for points for the coming year, and that the first prize should go with the Rickards Bros.' silver cup, which is still up for competition. The Lord & Burnham Co.'s gold medal, for the winning of the greatest number of points in the 'Mum show, was presented to Peter Murray

WM. R. SEYMOUR, Sec'y.

Indiana Horticultural Society

The fiftieth annual meeting of the Indiana Horticultural Society was held at its rooms in the State House at Indianapolis on December 7 and 8. The attendance was unusually large and interest good. E. Y. Teas, the only living active charter member, was in attendance as usual, he having only missed three of the annual meetings in 50 years. The display of Apples at this meeting was exceedingly fine, to the surprise of most members, as 1910 was an off year in fruits in Indiana, owing to sharp freezes when Apples were in bloom last Spring. Still, several orchardists reported very profitable and satisfactory yields, and good prices, many trees yielding from $20 to $30 per tree. Yellow Transparent, Grimes' Golden, Jarastean and Winesap were among the most popular varieties.

At the great Apple Show at Chicago recently, where the growers of the Pacific Coast were well represented by enthusiastic boomers, with their best specimens, Prof. Troop, of Purdue University, Indiana, showed Indiana grown Grimes' Golden that for size, color, perfection of form and quality excelled any other specimens of this variety on exhibition. Indiana lands, as well adapted to profitable growing as any, can be purchased at $20 to $50 per acre, against $1,000 or more per acre for the Pacific Coast lands. There are now some expert orchardists leasing for a term of years, old, run down, unproductive orchards, and by pruning, spraying and cultivating to so renew their productiveness as to render them very profitable. E.

Question Box

(139) **To Deatroy Red Spider.**—I take the Florists' Exchange and am very much interested in your Question Box, because I have been in business less than a year. Now, could you, through your paper, tell me if there is any good mixtures or compounds to kill the red spider, and, if so, please name one or two that you know are good? I don't know what I should do without your paper, with its Week's Work and other good things.—J. S., Conn.

—Red spider may be kept in check to a great extent by thorough syringing with clear water under heavy pressure. Aside from this, many mixtures are used, such as "Aphine," "Nikoteen," and a solution of Ivory soap in the proportions of one pound of soap to twenty-five gallons of water.

(140) **Carnation Plants Not Blooming.**—Can you tell me the cause of Enchantress Carnation (pink) making a growth with very little tendency to bloom? Planted August 15. Plants seem to be making a healthy growth; no green fly or spider affecting them. Good soil in benches. Temperature, 48° to 52° nights. Sample enclosed.—Subscriber, N. Y.

—An examination of the portion of Carnation plant received does not reveal either insect or disease. It is suggested that a night temperature of 52° be maintained. Possibly the plants are given too much water. It would appear as though, with a continuance of good care, blooms would come later.

(141) **Yield of Tomatoes per Plant.**—What would you call a good average yield of Midwinter Tomatoes, trained to single stem, from a house 25x50 ft.? How many pounds should each plant bear, planted 15x17 in. apart?—C. H., N. Y.

—A Tomato grower, who now has 30,000 plants under glass, states that three to four pounds per plant is the average yield of Midwinter Tomatoes per plant, grown to a single stem. With the use of these figures, as a basis, the yield from a house 25x50 ft. can be obtained.

Catalogs Received

OTTO PUTZ, Erfurt, Germany.—1910-1911 Annual Trade Seed List.

BAARTMAN & KONING, Sassenheim, Holland.—Wholesale Catalog of Holland Bulbs, Flower Roots and Nursery Stock.

ALB. TABOUREAU, Ghent, Belgium.—Catalog of Plants, including Azaleas, Araucarias, Palms, Aspidistras, Bays, Ficus, Begonias and Gloxinias.

JOHN LEWIS CHILDS, Flowerfield, L. I., N. Y.—Price List, 1911, of Choice Gladioli and other Summer-flowering Bulbs and Plants.

CALIFORNIA NURSERY CO., Niles, Cal.—Price List, 1910-1911, of Fruit and Ornamental Trees, Evergreens, Palms, Shurbs, Roses, etc.

M. HERB, Naples, Italy.—General Catalog Vegetable and Flower Seeds of all kinds, Agricultural Seeds, Novelties, Climbers, Sub-tropical Fruit Trees, Ornamental Grasses, Aquatic Plants, Conifers, Palms, Musas, etc.; also Flower Bulbs for Spring planting.

HOLMES SEED CO., Harrisburg, Pa.—Holmes' 1911 Hand Book of Seeds, covering Vegetables, Grass and Farm Seeds, Flower Seeds, Vines, Hardy Climbing Plants, Roses, Summer flowering Bulbs and Supplies. Well illustrated.

ARTHUR T. BODDINGTON, New York, N. Y.—Boddington's Garden Guide, Spring, 1911. This book is illustrated throughout and covers comprehensively a full line in Flower and Vegetable Seed Novelties and Specialties, Miscellaneous Bulbs and Roots, Roses, Hardy Vines and Climbers, Garden Tools and Miscellaneous Garden Supplies. Quite a feature is the announcement that Boddington will have an expert on hand to answer practical questions and make suggestions, the 'phone order being at his cost if the customer lives within 100 miles of the city.

THE LIVINGSTON SEED CO., Columbus, O.—Livingston's Seed Annual for 1911. Illustrated throughout with halftones made from photographs taken from stock grown in the trial grounds. The front cover shows a colored reproduction of Livingston's Globe-shaped Tomatoes, and the back cover Livingston's Globe-shaped Onions. The catalog covers Vegetable and Flower Seeds, Ornamental Foliage and Flowering Plants, Roses, Herbaceous Plants, Hardy Ornamental Shrubs and Vines, Hedge Plants, Aquatics, Small Fruits and Tools and Implements.

CHAS. H. TOTTY, Madison, N. J.—Chrysanthemums, Carnations, Roses and other Specialties for 1911. It is a pleasure to look through a catalog of this description. The illustrations are large and show fully the character of the flowers described. The type also, is larger than used in most catalogs and this is an added recommendation. The Chrysanthemums listed include the Wells-Pockett-Totty set of 1911 and the best types of American and English varieties and is one of the most complete to be found in any catalog. Among the Roses we note Lady Hillingdon and all the leaders for 1911. A beautiful picture of the new Ostrich-plume Celosia Castle Gould, showing a bench thereof, is also given.

Reliable Supplies for both Wholesale and Retail Florists

Order Ribbons To-Day

The plant or basket or bouquet is so very attractive when it has a bow tied on. **And Ribbons Are Not Expensive, Even The Good Kind, When You Buy Them Direct From The Manufacturer.** Here is a mill weaving Ribbons as good as they can be woven. Weaving qualities and kinds **especially for Florists.** Matching colors to flowers and foliage. And yet, these same Ribbons cost you no more than the usual sort, frequently less costly.

Do not let your stock of Ribbons run low.

The Pine Tree Silk Mills Company.

806-808-810 Arch Street **52-54 North Eighth Street**

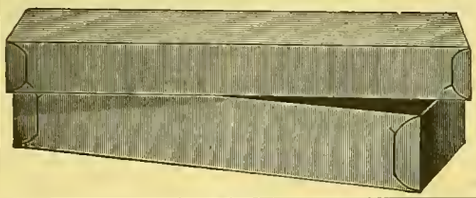
PHILADELPHIA, PA.

Ribbons of every kind, every color, every quality, } narrow, medium, wide widths. Satin, Taffeta, Basket, Chiffon, Gauze, Messaline, Fancy stripe.

SEND POSTAL FOR SAMPLES.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices

WRITE US

C. C. Pollworth Co.

MILWAUKEE, WIS.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS $1.00 per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass. L. D. Phone Connection

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX. Order our Special 50-lb. cases of Smilax for your Christmas Trade; only $5.00, and it's fine quality, too.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.50 to $3.00 per doz. Try a few of our Pine Wreaths at $1.50 per doz. They are bargains. First come, first served.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs. Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co. 113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . .

FLORISTS' SUPPLIES

Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

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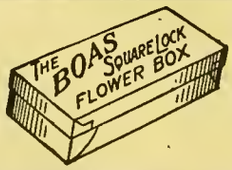
To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.

1042 Ridge Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Philadelphia Retail Notes

Mrs. Hickman, 339 Girard ave., reports a very successful year, and is preparing to move into larger and better quarters; in a better location nearby.

Wm. Mahowsky, 208 Girard ave., reports the arrival of a baby boy, about three weeks ago.

John C. Gracey, 2034 Columbia ave., has a few novelties, and predicts a good Christmas trade. The store has been rearranged and greatly improved.

J. Kulp, 4516 Germantown ave., is busy making up novelty designs for Christmas; he reports some excellent funeral orders lately.

M. J. Callahan made several of the designs for the funeral of Policeman Barnett, who was recently killed on duty, one of which was a large urn of Violets and yellow 'Mums, representing the city colors, and with 38 American Beauty Roses at the top, emblematic of the age of the deceased.

Wm. Crawford, 5210 Market st., who stole away some time ago to get married, was surprised last week by 38 of his friends, dressed as hobos, and a regular "Tramp Party" was held until a late hour. The principal music was obtained from ash cans and like noise makers.

Francis X. Murphy, 2202 Frankford ave., has a new delivery wagon, very attractive in its coat and lining of green.

The West Philadelphia Flower Shop made a large panel of Violets and white Carnations for the funeral of Policeman Barnett, and also a number of smaller designs.

P. M. R.

SAN FRANCISCO, CAL.—A large plate glass window and a mirror in the Fairmont Floral Co.'s store at 141 Powell st. was shattered on Nov. 25 by a taxicab; damages $250.

JACKSONVILLE, FLA.—According to the Jacksonville Times, one Dr. Henri Dux of Germany, recently located at De Land, Fla., where he will establish a plant for preserving foliage of ornamental plants and shrubbery and will ship this North to be used for decorations. The doctor, it is said, has discovered a process by which the natural color of leaves can be preserved indefinitely and at present will use principally the Palmetto and Magnolia for that purpose.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

50 lb. Case Extra Fine Smilax

$1.75 Per Case

Quality guaranteed. When in need of extra good Smilax in any quantity, write or wire.

NEEDLE PINES 2 to 4 feet, $3.50 to $4.00 per 100.

HENRY M. ROBINSON & CO., Pine Apple, Ala.

You can rest assured that all orders placed with us will be filled to your entire satisfaction. Unknown customers, satisfactory references or C. O. D.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.

167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE

56 Pine Street, NEW YORK

Please mention the Exchange when writing.

GEORGE COTSONAS & CO.

127 WEST 28th STREET

NEW YORK

Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**

Place your Christmas orders now, for Holly, Mistletoe, Palms, Pines, Magnolia Leaves, and Moss.

Wire or write your wants. Satisfaction guaranteed.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

GET OUR PRICES ON GALVANIZED WIRE ROSE STAKES AND TYING WIRE

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

61-73 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Los Angeles, Cal.

Weather continues warm and dry, not yet enough rain in this part of the State to soften the ground for plowing where dry land farming is followed. The Navel Orange crop in the Porterville district, which is 250 miles north of us, has been gathered and sold. The high Summer temperature and low humidity of that part of the State is the reason why Orange growers there get their fruit on the market a month or more earlier than the growers of the same fruit in this end of the State. Indeed, our Navels will not come to their best state of maturity until February and, if there is anything in the way of an Orange that is its equal in deliciousness I have yet to taste it. Moreover, climatic conditions in the San Joaquin Valley are not favorable to the growth of the black scale which covers fruit and foliage with a smut, therefore, the fruit grown there is packed as it comes from the tree, without the necessity of washing, which must be done here.

Herbert E. George, formerly superintendent of Winsel's Nursery, a year ago resigned that position and engaged in the nursery business at Covina. On account of a short water supply he has been obliged to abandon the proposition. He is now with the Germain Seed Co. as city salesman. A personal interview by competent salesman seems to be a necessity to dispose of nursery stock to a certain class of planters, and we now have three firms with that class of representations. O. W. Howard for Howard & Smith, Arthur W. Simpson for The Palm Nurseries, and Herbert E. George for Germain Seed Co. All three are first class men, thoroughly posted in all branches of the business and familiar with the great variety of plants grown in this part of the State. I believe that it may be said, without fear of successful contradiction, that nowhere else on the face of this earth is the list so lengthy of subjects grown in the open as they are found from Santa Barbara to San Diego.

P. D. BARNHART.

St. Louis Florists' Club

A regular monthly meeting of the St. Louis Florists' Club was held on Thursday afternoon last, Dec. 8, in its meeting room in The Odd Fellows' Building; the meeting was fairly well attended. When President Connon opened the meeting there were 25 members present and the proceedings interested them so that all remained until the end. There was on exhibition a large vase of the new dark pink Carnation, Washington, a sport from Enchantress, staged by Harry Nicholson, traveling salesman for the Chicago Carnation Co. There was also staged a vase, the white Chrysanthemum Jeanne Nonin, by Henry Emunds, Belleville, which were fine. Both vases attracted a great deal of attention. All committees made final reports to end their work for the old year. Two applications were received for a scholarship at the Missouri Botanical Garden, which is at the disposal of the Club. They were by Mr. Grossart, son of Gus. Grossart of Belleville, Ill., and R. A. Smith of Charles City, Ia. This scholarship will be voted upon at the January meeting of the Club. The application of Otto Sander for membership was read for the second time and he was elected to membership. New applications were presented by the following gentlemen: Jules Bourdet, John Held and John Houlthan. The chair appointed a committee of three, Messrs. Fillmore, Guy and Windler, to look into the merits of the new Carnation Washington, and they reported that it had scored 88 points. E. W. Guy, chairman of the board of trustees, gave a good talk for the good of the Club, and urged the members to attend meetings more regularly in the coming year, as it would mark the 25th year of the Club. He hoped that those members who had not attended a meeting for a long time, would make known what attraction would bring them more regularly, and the trustees could lay their plans to bring more members to the meetings. Every member should attend his Club meeting once a month; that much time surely could be spared, and the trustees would, go far to make it pleasant for them. ST. PATRICK.

YOUR 1910

Christmas Announcements

At the Christmas holidays all retailers make special efforts to draw the attention of their customers to the choice stock of plants, flowers, etc., which they have provided for that special occasion. This object can be most quickly accomplished through the use of our Christmas Invitation Folders, of which we have prepared two forms, as follows:

Wreath of Holly, tied with red ribbon, and showing the Holly foliage and berries in natural colors.

A spray of Mistletoe showing the foliage, berries and stems, all in natural colors.

Both designs are very attractive.

The Invitation takes the form of a four page folder, and is printed on fine enamel stock; the four-color design of either Holly or Mistletoe, with "Merry Christmas, 1910" being printed on the front page and the announcement on the third page.

Envelopes of fine quality, unprinted, are furnished with each order. Any wording desired will be printed on the third page in black ink, unless otherwise ordered. Delivery F. O. B. New York, at the following prices:

100 Folders and Envelopes, $4.50	500 Folders and Envelopes, $13.50
250 " " " 7.50	1000 " " " 25.00

Each Additional 1000, $22.50

Cash with order, please, if you have no account with us. Purchasers can order half of each design.

A sample set of Invitation Announcements will be sent on request. Address,

THE FLORISTS' EXCHANGE

P. O. BOX 1697, NEW YORK, N. Y.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN THE QUICKEST ALABAMA SHIPPER

Please mention the Exchange when writing.



Christmas Basket of Azaleas and Cyrtomium

Reliable Supplies for both Wholesale and Retail Florists

THE FLORISTS' SUPPLY HOUSE OF AMERICA

SIT UP AND TAKE NOTICE.

Red Letter Announcement Of All Good Florists' Supplies in Red

RED

LET YOUR WISHES BE KNOWN TO US. WE DO THE REST
PROMPTNESS. NO DISAPPOINTMENT

Baskets for **Poinsettias** in every shape.

Baskets in every form and size, for all **Other Purposes.**

Mats to give finish to your **Pots.**

Waterproof Paper, the kind that gives satisfaction.

Bells from the little fellows up, the kind for your **Araucarias.**

Chiffon to decorate your **Baskets** and put a complete finish to them.

Immortelles. An inexhaustible supply. Their uses are many; you know them all.

Beech Sprays for your **Christmas Decorations,** and your application to your **Wreaths** puts tone to them.

A Full Supply of All Kinds of Green Goods.

Green Ruscus, Pin Oak Sprays, assorted colors, Statice Wreaths, Metal Wreaths, etc.

OUR CATALOGUE COMES TO YOU ON REQUEST

H. BAYERSDORFER & CO., **1129 Arch Street PHILADELPHIA, PA.**

Please mention the Exchange when writing.

Hartford, Conn.

Robert Marchant, florist, of 17 Huntington st., had his greenhouses damaged by fire on Friday, December 9, through an overheated furnace—showing that Bob uses good coal. The damage was nothing very serious; $100 will cover the loss. He is growing some very fine Sweet Peas and Carnations this season, and bedding stock. It is a treat to look in these houses, for one can see some rare old stock. Bob is an old timer—50 years in the business.

The florists all report plenty of business during the past week. Good stock is scarce, Roses, Carnations, and Lilies holding back for Christmas. All think there will be more potted stock sold this year; every year there is an increase in this line of trade, which makes it hard for us all, as the majority of customers think that a plant lives without water, or can be manipulated to insure a long life. Trouble is coming in bunches. Give us the cut flowers and we all shall be happy, and will not have to buy back the pots and sancers.

Chas. K. Swenson, of Elmwood, Conn., is the only man who will have 'Mums for Christmas. His stock is backward this year. Charlie ought to be able to buy a new auto after the holidays. Perhaps the man from Jersey will show him how.

Wallace Thompson, of West Hartford, has just completed a concrete boiler room, and has also put in a new 60 h. p. steam boiler. He will have a large crop of Imperial Violets and Sweet Peas for Christmas trade. His Rose house, with pink and white Killarney Roses is doing fine.

MAC.

PIQUA, O.—Wm. Gerlach has purchased the interest of Wm. Frisch in the florist business conducted by Frisch & Carpenter on Washington ave. The new firm will be known as Gerlach & Carpenter.

XXXX HOLLY

$5.00 per Case Every Case Guaranteed

Laurel Wreaths, $2.50 per dozen up,

Laurel Festooning, $6.00 per 100 yards.

Prince's Pine Festooning, $6.00 per 100yards.

MADE ALL AROUND

Fancy and Dagger Ferns, $1.25 per 1000,

Boxwood Wreaths, $6.00 to $18.00 per dozen.

Bunch Laurel, 50 cents.

Leucothoe Sprays, $1.00 per 100; $7.50 per 1000.

New Crop Galax, Green, $1.00 per 1000. Bronze, $1.00 per 1000.

Green Magnolia Leaves, Extra Large Hamper, $2.25 per Hamper.

Bronze Magnolia Leaves, $2.00 per Hamper.

CUT BOXWOOD SPRAYS, $16.00 per 100 lbs.

Full Line of Florists' Supplies

BEST QUALITY GREEN AND VIOLET FOIL, 17 cents per pound.

IMMORTELLES, Best Quality of the New Crop, All Colors, 14 cents per bunch, in case lots.

ALL SEASONABLE CUT FLOWERS

Chrysanthemums and **Carnations** in all the standard varieties. **ROSES: Beauties, Richmonds, Marylands, the Two Killarneys, Brides** and **Bridesmaids, Lilies, Orchids, Gardenias, Valley, Violets, Adiantum, Asparagus.**

ALL ORDERS PROMPTLY FILLED SATISFACTION GUARANTEED

HENRY M. ROBINSON & CO.

Wholesale Commission Florists

LONG DISTANCE TELEPHONES: Main { 2617 / 2618 Fort Hill, 25290

15 Province Street, also 9 and 15 Chapman Place BOSTON, MASS.

Please mention the Exchange when writing.

Worcester, Mass.

The outlook for the Christmas trade in this vicinity is good. The wholesalers and retailers report plenty of green goods, and the usual holiday stocks. If weather conditions are the same as at present, Roses, Carnations and Violets will be scarce. However, the dealers expect to make the supply of Easter Lilies, Lily of the Valley, Cyclamens, Gardenias and Orchids help out for any shortage in Roses and Carnations. The windows along the main streets have all taken on a holiday appearance, and much red and green is shown. The Boxwood balls, the Holly wreaths, with Begonias and Poinsettias make up the displays everywhere. The workers in all the shops are busy making the Christmas halls and bells, and preparing fancy baskets, filled, for holiday gifts.

Charles D. Mackie's Pleasant st. shop is well stocked with Azaleas, Begonias, Cyclamens, and green goods. Mr. Mackie reports a shortage of Carnations, Violets and Roses, but will have plenty of Poinsettias and Boxwood novelties for the holidays. Business in funeral and decorative work has been very good during the week.

The Littlefield shops are busy, and the large motor delivery wagons are kept continually on the go distributing the orders about the city. Funeral work has taken a great deal of cut stock, and Harry Randall says Carnations will be scarce for Christmas. Orders for church work have been placed in both shops, and a busy season is anticipated.

F. A. Madaus has plenty of cut stock and is preparing for a heavy holiday trade.

Fisher the Florist is well supplied with green goods, plants and flowers. Mr. Fisher says he will have enough Roses, Carnations and Violets for the holidays, unless something unforeseen happens. He did the decorating in Mechanics' Hall on Friday night, for the annual banquet of the Commercial Travelers' Assn., using Poinsettias, Carnations and Ferns on the tables, with Palms and Ferns on the platform. Ropes of evergreens were festooned through the hall, forming a canopy over the heads of the 600 who were present.

The Worcester Conservatories expect the supply of Roses and Carnations to be insufficient to supply the demand. They will have Violets and Sweet Peas, however, with Cyclamens, Begonias, Poinsettias and greenery for the holidays. The decorations in Association Hall, Dec. 13, 14 and 15, for the 38th annual session of the Massachusetts State Grange were supplied by the Conservatories, and arranged by Leonard C. Midgley. Between 700 and 800 Roses, with potted plants, were used.

H. F. Midgley, the enterprising son of L. C. Midgley, who recently entered the retail business at 209 Main st., is making many friends among the trade. His Christmas orders are numerous, with four churches on the list. He will have plenty of Poinsettias, ropes of evergreen, Boxwood balls, and bells, and expects Violets, Roses and Carnations for his basket designs. His Azaleas and Begonias are good.

Walter E. Draper is well supplied with cut stock. H. E. Gray, manager, says Violets will be scarce. His Roses, Orchids, Lilies and Carnations are doing nicely and will be in readiness for the Christmas trade. Mr. Gray has secured a new mat wire of grass green color, which is meeting many calls; he has cemetery and wall vases of the same material.

H. F. A. Lange is showing some fine Easter Lilies, Begonias and Poinsettias. Business is always good at this uptodate establishment. Holiday stock will be plentiful and the large force is preparing for a heavy trade.

A. W. Hixon is preparing for Christmas and expects to have enough stock to supply his trade. E. D.



"Dorothy Gordon" Natural Size

Double Your Carnation Money With "Dorothy Gordon," the Most Profitable Commercial Variety on the Market Today

YES, you can do it, with your present equipment and without an extra penny of expense; just plant "Dorothy Gordon" this year and take the same care of them that you do of the carnattons you're growing now.

Here are two ways: first, you can get **one-third more commercial flowers**; in other words, when a given number of ordinary plants bear 100 flowers, the same number of plants of "Dorothy Gordon" will yield 133.

Second, you can get 50% more money for "Dorothy Gordon." We used to grow Enchantress and we sold the flowers at $6 per 100; at the same time we sold "Dorothy Gordon" at $9. More than that, the extra amount of flowers that "Dorothy Gordon" always produces brings the total up to $12—**just double** what an equal number of Enchantress will yield.

50,000 Rooted Cuttings Already Sold This Fall Without Advertising

This magnificent flower has a lot of other splendid features—size, fragrance, substance, etc.; but the thing we want to "hammer home" to you right now is the fact that "Dorothy Gordon" is a **real money-maker.** We quote strong rooted cuttings at the reduced price of

$6 PER 100; $50 PER 1000

When in Philadelphia, Be Sure to Look Us Up

Joseph Heacock Company, Wyncote, Penna. Railway Station Jenkintown

Please mention the Exchange when writing.

CARNATIONS

50,000, strong, heavy Cuttings, of the following varieties, ready for immediate delivery:—

	100	1000		100	1000
Sangamo	$6.00	$50.00	Rose Pink Enchantress	$2.50	$20.00
Dorothy Gordon	6.00	50.00	Enchantress	2.50	20.00
May Day	4.00	35.00	Whits Enchantrsss	2.50	20.00
Winona	3.00	25.00	Georgia	2.50	20.00
Victoria	2.50	20.00	Beacon	2.50	20.00
Faust	2.50	20.00	Victory	2.50	20.00
Winsor	2.50	20.00	Splendor	3.00	25.00

By ordering now, you will be sure of receiving A. No. 1 Cuttings at any date you may designate.

Address all orders to REMEMBER WE GUARANTEE SATISFACTION.

J. D. COCKCROFT, Northport, (Long Island,) N. Y.

Please mention the Exchange when writing.

"WASHINGTON" Sport of Enchantress, True Lawson Color

Ready for January, 1911, delivery; $10.00 per 100, $75.00 per 1000.

CHICAGO CARNATION CO.,
A. T. PYFER, Maneger
35-37 RANDOLPH STREET
Room 302
CHICAGO, ILL.
Long Distance Telephone, Central 8578

Please mention the Exchange when writing.

CARNATION CUTTINGS

January and later delivery

	100	1000
Pink Delight	$6.00	$50.00
Mrs. C. W. Ward	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
Admiration	6.00	50.00
Pure White Enchantress	3.00	25.00
White Perfection	2.50	20.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Winona	2.50	20.00
Beacon	2.50	20.00

The Cuttings we offer are taken from plants that are grown exclusively for the purpose, and you can depend on their being good, strong, well-rooted stock.

WHITE BROTHERS, Gasport, N.Y.

CARNATIONS

Rooted Cuttings

All the Leading Varieties

Ready January 1st

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

SHASTA

For best results plant our White Carnation Shasta. It is undoubtedly the Freest Carnation on the market today.

Strong, well-rooted, cuttings ready for January.

$6.00 per 100 $50.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

100,000 Rooted and Unrooted Carnation Cuttings

Varieties as follow, will be ready for delivery January 15th: Enchantress, Winsor, Lawson, White Lawson, Bountiful and Winona

ALL OTHER VARIETIES SOLD

THE WORCESTER CONSERVATORIES, Worcester, Mass.

Please mention the Exchange when writing.

A GRAND NEW CARNATION BRIGHT SPOT

Outclasses everything heretofore grown in the Dark Pink Section.

Won First Honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure, bright, dark pink of even shade, size 3½ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100 . . $12.00 Price per 1000 . . $100.00
25 at 100 rate 250 at 1000 rate

Price per 5000 . . $400.00

Place your order now, to be in on early deliveries

NIC. ZWEIFEL, NORTH MILWAUKEE, Wisconsin.

Please mention the Exchange when writing.

PRICES ADVERTISED ARE FOR TRADE ONLY

CARNATIONS

ROOTED CUTTINGS

We supply them of even size and well rooted.

Orders booked now for December and January Delivery and later.

	Per 100	Per 1000
White Wonder (Our New White)	$12.00	$100.00
Gloriosa (Our New Pink)	12.00	100.00
Pink Delight	6.00	50.00
Scarlet Glow	6.00	50.00
Shasta	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
J. W. Riley	6.00	50.00
Admiration	6.00	50.00
Golden Ray	6.00	50.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Enchantress	3.00	25.00
White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Beacon	3.00	25.00

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

NEW CARNATION

"Princess Charming"

Certificatee 1909, Pittsburgh, Baltimore New York and Madison, N. J.

Enchaotress color, longer and stiffer stem, stronger and harder calyx, remarkable lasting and shipping qualities; as much ahead of Enchantress as Enchantress was of Daybreak.

See it grow at Chas. H. Totty's Madison, N. J., Chicago Carnation Co. and at our own place.

$12.00 per 100, $100.00 per 1000
January delivery. 250 at 1000 rate.

Descriptive Lists, in color, free on request.

"Christmas Cheer"

The Scarlet Pot-Carnation
$15.00 per 100, $125.00 per 1000.
February Delivery

H. EICHHOLZ
Originator
WAYNESBORO, PA.

Please mention the Exchange when writing.

CARNATIONS

100,000 Rooted Cuttings, Strong, Healthy; Guaranteed.

PINK DELIGHT, DOROTHY GORDON, APPLE BLOSSOM, WANOKA, $6.00 per 100; $50.00 per 1000.

Unknown Parties—Cash or C. O. D. Order now for early delivery.

By the way, have you ordered "RAINBOW," the coming Carnation? Awarded A. C. S. certificate at Pittsburgh. $12.00 per 100, $100.00 per 1000.

Orders booked now for January, 1912, delivery.

WANOKA GREENHOUSES,
BARNEVELD, N. Y.

Please mention the Exchange when writing.

Unrooted Carnation Cuttings

Can ship at once, carefully selected Cuttings, at the following prices:

	1000
Dorothy Gordon	$30.00
Shasta	30.00
Scarlet Glow	30.00
Sangamo	30.00
May Day	15.00
Beacon	10.00
Whits Enchantress	10.00

100 at the 1000 rate.

SEA CLIFF NURSERIES
SEA CLIFF, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.
The color is the clear, deep pink so much in demand.

Rooted Cuttings ready December 15th.
$6.00 per 100, $50.00 per 1000.

ALMA WARD **Rooted Cuttings ready December 15th.**
$7.50 per 100. $60.00 per 1000.

OTHER VARIETIES, Rooted Cuttings, Ready January 1st.

Pink Delight, $6.00 per 100, $50.00 per 1000.
Beacon, $4.00 per 100, $30.00 per 1000.
Winsor, $4.00 per 100, $30.00 per 1000.
Enchantress, $4.00 per 100, $30.00 per 1000.

Cottage Gardens Co. Inc. Queens, Long Island, New York

Please mention the Exchange when writing.

San Francisco

The Market

Market conditions this week have been somewhat similar to those of last. Business, on the whole, has been fairly good and we have had no reason to complain. At the time of writing, growers appear to be concentrating their efforts and timing their stocks for Christmas week; however, we have lots of material of all kinds to meet the demand at present. Carnations have been plentiful and the demand for them has been good. Prices for this class of stock remain about the same. Roses are quite plentiful and good prices are the rule; the demand for good Roses was never better, and the outlook is very bright for Christmas trade. Chrysanthemums have gone up in price, and from now on the growers will get top notch prices for their blooms. A look around the growers shows that they have lots of good material coming along for Christmas, all sure to bring high prices. Narcissus is becoming more plentiful, and while the flowers are good sellers, the prices received for them are only moderate. Orchids are not so abundant and prices are beginning to go up; Cattleyas are in good demand and realize good prices. Lily of the Valley is improving in quality, although the demand for this line of goods is below the average. Green goods of all descriptions are in demand, and prices are good. Retailers are busy booking orders for Christmas stock, and everything points to the holiday trade being very heavy this year.

Various Notes

A flower store has been opened in the Palace Hotel, and the business will be conducted under the name of The Palace Hotel Florist.

Richard Diener of Colma is still to the fore where new Geraniums are concerned. At a recent meeting of the Pacific Coast Hort. Society several new varieties of Mr. Diener's raising were shown and were most favorably commented upon.

Alfred Husbands, for some time past with the MacRorie-McLaren Co. at their San Mateo nurseries, has taken a responsible position on the new Crocker estate at Burlinghame.

Wm. H. Swanigan has opened a new uptodate florist store on Eleventh st., Oakland.

"Old Place," the magnificent white mansion belonging to Wm. H. Crocker, and probably one of the best known estates in this section, was sold last week to Henry C. Breeden. The estate is famous for its gardens and pleasure grounds.

The thirty-eighth California State Fruit Growers' convention, which holds its meetings in San Francisco from Dec. 6 to 12, will probably be the largest ever held. Fruit growers are looking forward to the convention with much interest as many questions of vital importance in the cultivation of fruits for market purposes will be threshed out.

The California State Floral Society at a recent meeting bought one hundred shares of the Panama Pacific Exposition stock.

Wm. H. Kooyman, with the J. Leulberger Co. of Oakland, has returned from a three-months' trip to Europe.

Chester Hutchinson of Berkley has sold his store and will shortly retire from the business entirely.

The E. Gill Nursery Co. of Berkley reports having an exceptionally heavy shipping business this year. Mr. Gill informs me that he expects to do more business this year than ever before. The Roses at this establishment are looking very fine at present and already lots are being shipped for the planting season.

The MacRorie-McLaren Co. has started work on two new houses at the San Mateo establishment. Business with this concern has been very heavy of late.

A regular monthly meeting of the Pacific Coast Horticultural Society was held last Saturday evening in Poleta Hall, a large number of members attending. The principal business transacted was the election of officers for the ensuing year. The following gentlemen were elected: President, Angelo J. Rossi; vice-president, William Kettlewell; secretary, Thos. F. Taylor; treasurer, Donald McLaren. President Matraria spoke briefly in regard to the work being done in connection with the Society's Spring show and stated that indications pointed to the coming exhibition being a great success. Mr. Plath spoke on behalf of the field day committee and stated that the Society's excursion to the growers in Stockton and vicinity was one of the most enjoyable outings the Society ever held. Mr. Plath stated the next field day would take the form of a visit to the nurseries of the MacRorie-McLaren Co. at San Mateo. The exhibition table was quite a feature of the meeting, many fine exhibits being staged.

MACMILLAN BROWN.

New Bedford, Mass.

Trade in general has been very good in the past week. Flowers are none too plentiful just now. Carnations are rather scarce, prices remaining about the same. Carnations retail at 60c. and 75c. per doz.; and Roses $1.50 and $2 per doz. Violets sell fairly well at $1.50 per 100 blooms; Snapdragons at 75c. per doz.; Paperwhites at 60c. per doz.; 'Mums are about done; this has been a fairly good season for them. Candytuft and Stevia help out in bouquets and design work. Funeral work has been good.

We have had our first snowstorm of the season, and snow falling pretty thickly. The weather has been very cold. E. H. Chamberlain was in Boston and vicinity last week, looking up stock for Christmas.

Cyclamens in pots, well done, are selling well; they bring 50c. up.

R. H. Woodhouse is cutting some grand Fair Maid Carnations; he will have a fine crop of Carnations for Christmas; his Roses will just be in on time, and look good and healthy. His flowering plants are all right for the holidays. Some grand Killarney Roses, both pink and white, were seen last week at E. Y. Peirce's place on Cottage st. He will cut a good crop for Christmas.

Everyone is getting ready for Chsistmas trade; orders for wreaths are coming in good shape, prices ranging from 25c. up. It looks now as if flowers will be rather scarce for that day.

A. B. Hathaway has a big batch of Paperwhites coming in that ought to find a ready sale at this time of the year.

S. S. Peckham has a big lot of well flowered Cyclamens ready now, which he is disposing of to the retailers here.

We wish all a Merry Christmas, and lots of business. HORTICO.

Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, $50 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

ORCHIDS

Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

LAGER & HURRELL
SUMMIT, N. J.

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ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England
and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing.

PEAT Extra Fine Quality for Orchids and Rhododendrons.

Send for a free sample.
Price, $1.50 per barrel.

WALTER TICKNER, 867 Richmond St. Rochester, N. Y.

Please mention the Exchange when writing.

A. L. YOUNG & CO.
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.

Review of the Market

NEW YORK, Dec. 14.—This week, up to date, the cut flower market has been in an extremely sluggish condition, each day showing less business than the previous one. The volume of stock arriving is not very large, but the demand is pitifully and disappointingly small. As regards prices, there is little change from those of last week, but they are not firm and the tendency is downward. Unless there is an immediate increase in the demand, concessions to the buyer will have to be made or accumulations will occur. The only thing which prevents a decided slump in prices today is the fact that the arrivals of stocks are not over large.

In all kinds of Roses the medium to low grade blooms move better than the specials. American Beauty Roses are only fairly abundant, and, as compared with other stock, move moderately well; specials, top grade bring 40c. each in some sales, but many go at the 30c. figure. The demand for pink Roses, especially the choicest blooms, is extremely light, and white Roses suffer an almost equal neglect. Richmond, because red, moves a little better, but is not very abundant. The choicest blooms of the different kinds of Roses realize about the following prices: Killarney and My Maryland 8c., Richmond 12c., Chatenay 15c., Bride and Bridesmaid 10c. each; the lowest grades are selling for about 2c. each.

The moderate supply of Carnations is moving slowly, and concessions in prices are being made. Inferior grades of blooms are bringing $2 per 100, and most of the higher grades are going at $3 and $4 per 100, while a few command the price of $5 and $6 per 100, but the latter prices are the exception.

The Orchid supply shows considerable increase, with the demand about the same. The choicest Cattleyas sell for $1 each in some cases, but this price is exceptional, 75c. each in most sales being the limit in price for good blooms. Dendrobium formosum realizes 40c. each for the best blooms and Cypriedium insigne $1.50 per doz. High grade blooms of Gardenias are scarce, and sell readily at $4 and $5 per doz., while the lowest grade blooms bring no more than $6 per 100. Lilies are abundant, and are moving very slowly at 10c. each, with a tendency toward concession in price. The choice grades of Lily of the Valley are taken readily, but the medium to low grades drag badly. Special Valley is selling for $4 per 100.

There are still seen in the market some very fine Chrysanthemums, for which $2 to $5 per dozen is demanded, but buyers at those prices are not numerous. The moderate supply of Violets is selling at all sorts of prices. A few specials in limited sales realize $1 per 100, but this is not the ruling figure, 40c. to 75c. is the range of price in most sales. In the miscellaneous class there is a deluge of Narcissus Paperwhite, and Stevia; more than enough White Roman Hyacinths; a fair supply of Daisies; a modest supply of good Sweet Peas, and Mignonette; all of which move at a pace which keeps time to the general sluggish condition of the market, and at quoted prices.

As regards greens, as far as Smilax, Adiantum, and Asparagus are concerned there is nothing new to be said. The supply of greens such as are particularly used for Christmas is said to be short, and prices advancing.

PHILADELPHIA, Dec. 12.—Business in the cut flower market today is only moderately active. In general the supply of stock arriving is not over abundant. Roses are more abundant than any other flowers, and a good supply is expected for Christmas, but the present outlook for a generous supply of Carnations for the holidays is not encouraging; indeed, it is freely prophesied that the Carnation supply will be on the short side all Winter, and Sweet Peas more abundant than usual. In all kinds of even the most common Christmas greens there is already a shortage, and prices are advancing.

In Roses, the medium to bottom grades are moving better than the top grade blooms. There is an increased supply of American Beauty Roses of fine quality, which are moving fairly well. Specials are selling at from 40c. to 50c. each. Very few sales, however, are made at a price above $5 per dozen, and indeed in the majority of sales 40c each is the limit. An abundant supply of splendid Killarney and My Maryland Roses is seen, for which there is a moderate but steady demand. Richmond is far from plentiful, and the Christmas supply will probably be short. The demand now is not easily supplied. Bride and Bridesmaid are increasing in quantity and, quality. In general sales the price for top grade Killarney, My Maryland and Mrs. Jardine is about 12c. each, Richmond 15c. each, and Bride, Bridesmaid, Golden Gate and Perle, 10c. each, but there are seen some extra choice selections of Killarney, My Maryland and Mrs. Jardine, which are commanding 15c. to 17c. each and Richmond 20c. each.

Carnations are not over abundant. The demand is sufficient so that prices are firm at from $2 to $8 per 100. Only some very choice selections realize 8c. each; in most sales 6c. is the highest price paid for top grade blooms.

Orchids are somewhat more plentiful. In Cattleyas, the variety Trianæ, the favorite Winter variety, is more in evidence, and the choicest blooms sell for 75c. each. Dendrobium Formosum of the same grade brings 60c. each, and Cypripediums 15c. each. The supply of Gardenias is no more than sufficient to meet the steady demand; 25c. to 40c. each is the range of price. Only a few extra choice blooms command a higher price than $4 per dozen. The supply of Lilies and the demand are nicely balanced. The prices are from $12.50 to $15 per 100, the smaller figure being the basis of most sales.

Violets are a little more abundant, and are moving fairly well at $1.50 per 100 for special doubles, and $1 for singles. Poinsettias are in the market at 35c. each for the best heads, and the supply is steadily increasing. All miscellaneous stocks are moving satisfactorily at quoted prices. Since the falling of the snow all greens are more active, with Asparagus still in the lead.

As regards potted plants suitable for Christmas sales, the growers in this vicinity report that advance orders have already exhausted the entire supply of Poinsettias and Cyclamens, and are sweeping away the Begonias, and making the stock of Crotons and nearly all decorative foliage plants scarce.

BOSTON, Mass., Dec. 13.—The market has been quite steady for the past week and prices have changed but little. The cool weather has shortened up crops and the demand has not been heavy, so generally good prices have been realized. The quality of stock offered was never better and there is every indication that prices will continue high until after the holidays.

Roses are still in short supply but the quality is beyond question. There is good, steady demand and prices are excellent. Rhea Reid is of excellent quality and the color good; it is quite a favorite. Some fine long stemmed American Beauty bring high prices. Killarney, pink and white, Maryland and Richmond are of wonderful fine quality and in splendid demand. The smaller roses, such as Bon Silene, Safrano and Mrs. Aaron Ward, are always favorites and are cleaned up daily at handsome prices.

Chrysanthemums are practically on their last legs although there will be some for the holidays, but not first class. Those having good, early crops, and those coming in with late varieties, have made good money; midseason, when the market was over supplied, there was small profit in this crop.

Carnations are coming in more plentifully and prices have declined slightly, but there is a firm demand and little surplus; prices range from 3c. to 4c., with extra fine stock higher.

Violets are still scarce, but with the cool weather, the quality has improved slightly. There won't be an oversupply for the holidays. Good flowers bring $1 to $1.25 per 100.

Orchids are not over abundant; there are plenty of Cypripediums, but Cattleyas are scarce and prices have advanced somewhat. A few C. labiata are still to be seen. Peteivaliana are becoming more plentiful; Trianæ is just beginning to be cut.

There is an abundance of Paperwhite Narcissus, and Roman Hyacinths are more plentiful; prices on these goods are fairly good. Pansies are not over plentiful but sell well; the same may be said of Marguerites. Stevia is plentiful and of much improved quality, selling well. Lilies are more plentiful and prices high. Callas not over abundant. Lily of the Valley is of poor quality with demand light. R. C.

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CHICAGO, Dec. 13.—Business has been extremely good for this time of the year, although some report the usual lull always perceptible before the holidays. The large retailers, however, report many decorations and social functions are taking up all their time. There has not been any too much stock, as the weather continued dark all last week, with numerous storms. American Beauty Roses are in better supply than usual and the quality is exceptionally good. Other varieties of Roses are not too plentiful, and Killarney is not so good, the color having faded. Richmond is excellent at all places, flowers on long, stiff stems, and color fine. There is also a larger supply of white Roses than for some time.

Carnations are still quite scarce. Some feel the growers are holding back for the holidays, but this seems hardly credible, as the wreather is wholly responsible for the shortage. Red Carnations will not be in nearly sufficient supply for the Christmas demand, and even now orders for shipping are being cancelled.

Lilies are not abundant. Such as are coming in, however, are good, and are soon disposed of. Lily of the Valley cannot be complained of, as it is still arriving in the pink of condition. A few white and small yellow 'Mums are observed, and are bringing good prices.

Violets are coming in large quantities, practically more than are called for; they are now in excellent condition and it would be impossible to find any better stock. With Orchids, especially Cattleyas, the same condition as for weeks past prevails, and it is impossible to find enough to fill orders.

Paperwhite Narcissi are abundant and popular. There is still plenty of Stevia; and some extra fine Pansies are to be had. Sweet Peas are not what one would desire in quality but are salable and are soon disposed of. Some Snapdragons are shown, but there is very little other miscellaneous stock at this season.

INDIANAPOLIS, Dec. 14.—Preparations for the holiday period are in order everywhere with the florists. Shopmen are putting in elegant windows, with red as the predominating color; the seed houses are handling unusual quantities of Christmas greens, and the growers are putting last touches on specimen plants and flower arrangements. Merchants in general report a lively holiday trade, so there seems to be no reason why the dealer in Nature's beautiful manifestations should not receive his share of business.

Good flowers are none too numerous and it is nearly always difficult to obtain a sufficient variety for a good display. Funeral work has been more plentiful than for several weeks, so that the poorer grades of flowers sell for market quotations. Counter trade has been indifferent, as is customary two weeks before the rush, but numerous small decorations clear up much of the longer stemmed stock. Poinsettias have begun to feature in the business, at $1.50 to $3 per doz., wholesale; $2.50 to $6 per doz. at retail. Small pans and plants are decidedly well done and should form a large part of the sales for some weeks in the conservatory trade. Roses show the effects of cold weather. Pink Killarney in particular are only ghosts of their former selves. Prices are much the same as during last week. Select Bridesmaid, Bride, Richmond, Killarneys and My Maryland wholesale at $6 to $10 per 100, and retail at $1 to $3 per doz. Seconds bring one-half of the above figure and shorts $1 to $2 per 100. American Beauty sells fairly well at $5 to $30 per 100 wholesale.

Cattleyas are scarce articles, so scarce in fact that they should be dropped entirely when a well satisfied patron is considered a worthy asset. Other kinds of Orchids, Cypripediums excepted, are not generally grown in this section. Violets for the corsage are more numerous at $1 to $1.50 per 100. Lily-of-the-Valley is being much used in combination bouquets, at $1 per doz. Small roses, such as Bon Silene, Safrano, Mrs. Aaron Ward, or miniature Perles, are much in vogue, and the outlook for another season in this line is good. The retail price is $1 a doz., with all the usual accessories included.

The ads of Craig, Valentine, Peterson, Kesslers and other plantsmen in last weeks issue of the **Exchange** would be indicative of the available plant varieties in Indiana during the present season. Liberal orders are being placed with the producers so that the stores and "conservatories" will present a wealth of color next week. Several new ideas in plant arrangements are noticeable even at this date, and will be reported on in the holiday review. I. B.

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Wholesale Prices of Cut Flowers, New York, Dec. 14, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	25.00 to 40.00
" extra	15.00 to 25.00
" No. 1	10.00 to 15.00
" No. 2	4.00 to 8.00
" No. 3	.75 to 1.50
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	2.00 to 8.00
Richmond	2.00 to 12.00
Mme. Abel Chatenay	3.00 to 15.00
Kaiserin	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	6.00 to 10.00
" extra	5.00 to 6.00
" No. 1	3.00 to 5.00
" No. 2	2.00 to 3.00
Mrs. Jardine	2.00 to 15.00
Adiantum	.50 to .75
Croweanum	.75 to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	2.00 to 3.00
Callas (per dozen)	.... to 2.00
Chrysanthemums, per doz.	2.00 to 5.00
Daisies	.50 to 2.00
Ferns, per 1000	1.50 to 2.00
....	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to 2.00
Standard Varieties	White	3.00 to 4.00
	Pinks	3.00 to 4.00
	Red	3.00 to 4.00
	Yel. & Var.	3.00 to 4.00
*Fancy (*The highest grades of Sta'd varieties)	White	4.00 to 5.00
	Pinks	4.00 to 5.00
	Red	4.00 to 5.00
	Yel. & Var.	4.00 to 5.00
Novelties		5.00 to 6.00
Gardenias, per doz.		.75 to 4.00
Gladioli		.... to ....
Hydrangea		.... to ....
Lilies, Harrisii and Longi.		.... to 10.00
Lilium Rubrum		.... to ....
Lily of the Valley		2.00 to 4.00
Mignonette, per doz.		.50 to 1.00
Narcissus		1.50 to 2.00
Orchids, Cattleyas		.50 to 1.00
Cypripediums, per doz.		.... to 1.50
Dendrobium Formosum.		25.00 to 40.00
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		1.00 to 1.50
Smilax (per doz. strings)		.75 to 1.25
Stevia, per bunch		.15 to .20
Sweet Peas, per doz. bun.		1.00 to 1.50
Tulips		.... to ....
Violets, Double		.40 to 1.00
Violets, Single		.40 to 1.00

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New York

Archibald Small, the brother of Charles and Henry Small, who was injured by a boar on his stock farm near Silver Spring, Md., on December 3, died on Tuesday, December 6, and was buried on the Thursday following.

J. K. Allen, 106 West 28th st., is showing some well grown Poinsettias in pans and some potted Carnation plants well covered with bloom. These two plants will be his leaders in the plant line for the holidays.

The S. S. Pennock-Meehan Co., 109 West 28th st., has installed a large glass front case in its store, in which to keep its supply of ribbons, of which it carries a large line.

Siebrecht & Siebrecht, 136 West 28th st., report that business has opened up very satisfactorily with them from the start.

E. D. Badgley of Murray Hill, N. J., says he has a nice cut of pink Killarney coming on for Christmas.

It is reported that L. B. Coddington of Murray Hill, N. J., has the ground already graded for the erection of a new Rose house next Spring.

The Growers' Cut Flower Co., 41 West 28th st., expects to receive a supply of those splendid quality Chrysanthemums from Jacob Hauck of Bloomfield, N. J., right up to January 15. The Rossetti yellow and white Chadwick and Jeanne Nonin 'Mums now seen at this company's store are certainly very large and fine.

The wife of George Smith of East Orange, N. J., is reported to be very ill with typhoid fever.

Moore, Hentz & Nash are receiving some particularly fine special Richmond and My Maryland Roses from the J. A. Budlong & Sons Co., Auburn, R. I. Moore, Hentz & Nash will give their entire attention to their regular local trade during the holidays, and are not seeking any shipping orders.

At Young & Nugent's store, 42 West 28th st., on Tuesday, a back section blew out of the steam heating boiler. No damage was done to store or stock, but oil stoves have to be resorted to for heat until repairs can be made. This firm has been very busy of late making up many débutante bouquets. Many of these pieces showed a revival of the old style of form, namely, a lace paper back upon which is built the bouquet of Rosebuds, Valley, Hyacinths and Ferns.

Some sample Poinsettias in pans from John Leach, Jersey City, N. J., seen at M. C. Ford's, 121 West 28th st., indicate that Mr. Ford will carry a stock of Poinsettias of the same fine quality for the holidays.

The Kervan Co., 113 West 28th st., has just received several carloads of Christmas trees of all sizes. This company is now very busy making ready for the rush of business in Christmas greens of all kinds.

The Roses, Sunburst, Mrs. Aaron Ward and Rose Queen, shown by the E. G. Hill Co. of Richmond, Ind., at the meeting of the N. Y. Florists' Club on Monday night, when seen at Henshaw & Fenrich's, 51 West 28th st., on Tuesday night were still in excellent condition and were shown at the meeting of the Morris Co. Gardeners and Florists' Club at Madison, N. J., on Wednesday night. Henshaw & Fenrich are receiving some particularly fine Roses from John May of Summit, N. J.

The wife of Edward C. Horan, 55 West 28th st., was taken sick on Friday, December 9, and died, after a brief illness with an acute attack of Bright's disease, on Sunday, December 11. The interment was at Calvary Cemetery on Tuesday of this week. The sympathy of the trade is extended to Mr. Horan and to his son and two daughters, in their severe bereavement.

The annual meeting of the New York and New Jersey Association of Plant Growers was held at the office of the Secretary, William H. Siebrecht, Jr., on Tuesday, December 6. In spite of the snow storm there was a large attendance. Very important business was transacted and the election of officers for the ensuing year also took place, with the following result: President, A. L. Miller, of Brooklyn; vice-president, Herman Schoelzel, New Durham, N. J.; treasurer, Herman C. Steinhoff, Hoboken, N. J.; secretary, William H. Siebrecht, Jr., New York. Directors, C. W. Scott of the Hinode Florist Co., Whitestone, N. Y.; John H. Fiesser, North Bergen, N. J., and David Mackenzie, Brooklyn, N. Y.

Bowling

The Astoria bowlers defeated the bowlers of the N. Y. Florists' Club Bowling Association at the 23d st. alleys on Friday evening, December 9, in a three game return match. J. B. Nugent, Jr., gave the crowd of bowlers, 30 in number, a turkey lunch. The following were the scores:

Astoria.

J. Donaldson	166	164	137
P. Kessler	160	148	130
Siebrecht	125	144	191
P. Einsmann	116	155	142
A. Donaldson	138	179	147
Lorenz	94	148	127
J. Miesem	144	192	190
Total	943	1130	1064

New York.

Manda	148	115	141
Marshall	164	112	111
Scott	142	126	153
Berry	110	154	147
P. Smith	167	118	139
Fenrich	144	131	171
Chadwick	212	138	187
Total	1087	894	1049

The bowling at the N. Y. F. B. C. alleys on Friday evening of this week will include games for the Rickards Brothers' prizes. The Club membership is now 31. The best scores made at Monday afternoon's bowling were:

J. A. Manda	201	164
W. C. Rickards, Jr.	138	135
J. A. Shaw	168	168
P. Einsmann	145	159
W. E. Marshall	137	176
Siegel	66	105
J. Mieseon	152	189
Schultz	80	90
R. E. Berry	173	189

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 12, 1910	Pittsburgh Dec. 14, 1910	NAMES AND VARIETIES	Boston Dec. 13, 1910	Detroit Dec. 12, 1910	Cincinnati Dec. 12, 1910
..... to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	30.00 to 40.00	..... to 35.00	30.00 to 40.00
..... to 25.00	25.00 to 35.00	" extra	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00
15.00 to 18.00	15.00 to 20.00	" No. 1	10.00 to 12.00	15.00 to 20.00	15.00 to 20.00
8.00 to 10.00	6.00 to 10.00	" No. 2	..... to	6.00 to 12.00	..... to 12.00
4.00 to 8.00	4.00 to 12.00	Killarney	4.00 to 16.00	4.00 to 10.00	5.00 to 8.00
4.00 to 8.00	4.00 to 12.00	White Killarney	4.00 to 16.00	4.00 to 10.00	5.00 to 8.00
..... to	3.00 to 10.00	Bride and Bridesmaid	4.00 to 6.00	..... to	4.00 to 6.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
..... to	4.00 to 12.00	My Maryland	4.00 to 12.00	4.00 to 10.00	..... to .....
4.00 to 10.00	4.00 to 12.00	Richmond	4.00 to 12.00	4.00 to 10.00	6.00 to 8.00
4.00 to 6.00	4.00 to 8.00	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	..... to	K. A. Victoria	..... to	4.00 to 10.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	.75 to 1.25	.75 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	20.00 to 30.00	..... to 10.00
..... to 30.00	20.00 to 40.00	" Sprengeri, bunches	25.00 to 50.00	20.00 to 30.00	10.00 to 14.00
..... to	..... to	Souvardia	..... to	4.00 to 8.00	..... to .....
12.50 to 18.00	..... to	Callas	..... to	12.50 to 15.00	..... to .....
..... to	..... to 4.00	Carnations—Inferior grades, all colors	1.50 to 3.00	..... to	..... to .....
..... to 3.00	..... to 5.00	Standard Varieties: White	1.50 to 3.00	2.50 to 3.00	4.00 to 5.00
..... to 3.00	..... to 5.00	Standard Varieties: Pink	1.50 to 3.00	2.50 to 3.00	4.00 to 5.00
..... to 3.00	..... to 5.00	Standard Varieties: Red	1.50 to 3.00	2.50 to 3.00	4.00 to 5.00
..... to 3.00	..... to	Standard Varieties: Yellow and var.	1.50 to 3.00	..... to	..... to .....
4.00 to 5.00	..... to	*Fancy: White	3.00 to 4.00	3.00 to 4.00	..... to .....
4.00 to 5.00	..... to	*Fancy: Pink	3.00 to 4.00	3.00 to 4.00	..... to .....
4.00 to 5.00	..... to	*Fancy: Red	3.00 to 4.00	3.00 to 4.00	..... to .....
4.00 to 5.00	..... to	*Fancy: Yellow and var.	3.00 to 4.00	..... to	..... to .....
..... to	..... to	Chrysanthemums, ordinary	..... to	12.00 to 25.00	..... to .....
..... to 25.00	..... to	" fancy	15.00 to 25.00	..... to	..... to .....
..... " .75	1.00 to 2.00	Daisies	..... to 1.00	.75 to 1.00	..... to .....
..... to .25	..... to .20	Ferns, hardy	..... to	..... to .15	..... to .20
..... to .15	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .16
..... to	..... to 6.00	Gardenias, per doz.	2.00 to 2.50	..... to	..... to .....
..... to	..... to	Lilac	..... to	..... to	..... to .....
12.50 to 18.00	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 10.00	12.50 to 15.00	..... to .....
..... to 3.00	3.00 to 5.00	Lily of the Valley	..... to	3.00 to 4.00	4.00 to 5.00
..... to	..... to	Mignonette	..... to 4.00	4.00 to 6.00	..... to .....
3.00 to 4.00	..... to 3.00	Narcissus	..... to	3.00 to 4.00	2.00 to 3.00
..... to	..... to	Orchids—Cattleyas	40.00 to 50.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Dendrobiums	..... to	..... to	..... to .....
25.00 to 30.00	..... to	Poinsettias	..... to	..... to	..... to .....
..... to 1.80	..... to 1.80	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
..... to 1.50	1.00 to 1.50	Sweet Peas	.50 to .75	1.00 to 1.50	..... to 1.00
..... to 2.00	..... to	Violets, single	1.00 to 1.25	1.00 to 1.50	..... to 1.00
..... to 2.00	..... to .75	double	..... to	1.00 to 1.50	..... to 1.00

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

All Cut Flowers in Season

Heller Bros.' Fine Beauties. Market Prices.
Boxwood, $7.50 per case of 50 pounds.
Lencothoe Sprays, 50c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.

E. G. GILLETT

131 East 3rd St., CINCINNATI, OHIO.

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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

NANZ & NEUNER

(INCORPORATED)

FLORISTS

SEEDSMEN AND NURSERYMEN

LOUISVILLE, KY.

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THE AMERICAN CARNATION By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

2 TO 8 DUANE STREET, NEW YORK

PEIRCE BROS.

Waltham, Mass.

AZALEAS
CYCLAMEN
FERNS
AND OTHER
CHRISTMAS
PLANTS

For particulars address

PEIRCE BROS.

WALTHAM, MASS.

Please mention the Exchange when writing.

Boston

We have had unusually cold weather the past week, the thermometer registering in many places around here from 4° to 10° below zero with occasional snow flurries. It is good seasonable weather and nearly all were prepared for the cold snap. Crops are looking excellent but a slight shortage of flowers is expected. Many are beginning to hold back stock for Christmas trade. There is already a slight shortage but quality of stock was never better. Everything is in line for heavy transactions and there is every indication that the amount of business coming will far exceed previous years. The stores are using an unusually large lot of greens and many of them are already attired for the Christmas season.

An exceptionally fine stock of plants is in readiness for Christmas, with large orders already placed. Begonia Gloire de Lorraine was never grown better than this year and its habit and pleasing color makes it ever a favorite. Immense quantities of Poinsettias are in evidence and are making a most brilliant display in the windows of the retail stores.

Wm. A. Riggs, who recently acquired the Forbes place at Auburndale, has a nice lot of Lorraine Begonias for his Christmas trade which are well grown and are neat, compact plants. He has a nice lot of Ferns in pans; his stock is handled at the Boston Flower Exchange by Thomas Peglar.

Bouvardia Humboldtii is one of the choice things on the market and the material brought in by J. W. Foote of Reading far exceeds anything we have seen before. Corymbs of flowers are cut with stems three feet long and healthy leaves clothe all the stem. The flowers are snowwhite and almost resemble Stephanotis flowers; they have a sweet fragrance and a dozen stems makes a handsome bunch. Mr. Foote grows them in benches and finds them a profitable crop. The only weak feature about these flowers is that they have to be packed very carefully as they are very easily spoiled in transit. Nevertheless it is a grand good thing and makes a welcome addition at this time.

W. T. Walker, who has a stall at the Boston Co-operative Flower Market, is disposing of some very nicely grown Poinsettias. The plants are of medium height, well clothed with leaves, and have very large bracts; they are handled by salesman J. T. Cohen.

The Mishawum Flower Co. of Woburn are still cutting some good yellow and white Bonnaffons and also of Maud Dean, both vars. of which are excellent at this late season.

Frank Bornay of Wellesley has some nice houses of Carnations in heavy bearing; he is shipping excellent Fair Maid and Enchantress.

Arthur T. Cooledge of Cambridge has a fine lot of Boston Ferns and other varieties which he is disposing of at the Boston Co-operative Flower Market; he also makes a specialty of growing Peppers, of which he has a good supply.

Adolph E. G. Koch of Nobscot, Mass., has a number of houses devoted to Carnations and his crops look remarkably well. His Fair Maids and Beacons are very meritorious.

Arthur Griffin of Woburn, who started there last Summer, has had remarkably good success with his crops. His Car-

Beauties—Richmond Maryland—Pink and White Killarney

We will have a good supply of Roses for the Holidays. The quality of this stock will be extra fine. It will be the largest supply of Roses we ever had—and Best. Our Beauties are in splendid condition, large flowers of good color, clean foliage. With this large supply of Roses at our disposal, we are in a position to give you in all grades good value.

You can depend on us to fill your orders, as we will also have a large supply of all seasonable stock.

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Dec. 12, 1910	Buffalo Dec. 12, 1910	NAMES AND VARIETIES	Phil'delphia Dec. 12, 1910	St. Louis Dec. 12, 1910	
30.00 to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	25.00 to 30.00	
20.00 to 25.00	20.00 to 35.00	" extra	30.00 to 40.00	10.00 to 15.00	
12.50 to 15.00	10.00 to 15.00	" No. 1	15.00 to 30.00	8.00 to 10.00	
6.00 to 10.00	4.00 to 7.00	" No. 2	10.00 to 20.00	4.00 to 5.00	
4.00 to 6.00	5.00 to 12.00	Killarney	5.00 to 17.00	5.00 to 8.00	
4.00 to 6.00	5.00 to 12.00	White Killarney	5.00 to 17.00	5.00 to 8.00	
3.00 to 5.00	4.00 to 10.00	Bride and Bridesmaid	5.00 to 10.00	to	
to	to	Mrs. Jardine	6.00 to 17.00	to	
4.00 to 6.00	6.00 to 10.00	My Maryland	6.00 to 17.00	5.00 to 8.00	
3.00 to 5.00	4.00 to 12.00	Richmond	6.00 to 20.00	5.00 to 8.00	
3.00 to 4.00	4.00 to 8.00	Perle	5.00 to 10.00	to	
3.00 to 5.00	to	Golden Gate	5.00 to 10.00	to	
3.00 to 6.00	4.00 to 8.00	K. A. Victoria	to	5.00 to 8.00	
to 1.00	.50 to 1.00	Adiantum	1.00 to 1.50	to	
25.00 to 50.00	20.00 to 30.00	Asparagus, Plumosus, bunches	35.00 to 50.00	to	
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	35.00 to 50.00	to	
to	to	Bouvardia	3.00 to 4.00	to	
to 10.00	10.00 to 12.00	Callas	16.00 to 20.00	to	
to 1.50	2.00 to 3.00	Carnations—inferior grades, all colors	2.00 to 3.00	to	
2.00 to 2.50	2.00 to 3.00	Standard Varieties: White	4.00 to 6.00	to	
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Pink	4.00 to 6.00	to	
2.00 to 2.50	2.00 to 3.00	Standard Varieties: Red	4.00 to 5.00	to	
2.00 to 2.50	to	Standard Varieties: Yellow and var.	4.00 to 5.00	to	
to 3.00	4.00 to 5.00	*Fancy (*The highest grades of Std'd vars.): White	6.00 to 8.00	4.00 to 5.00	
to 3.00	4.00 to 5.00	*Fancy (*The highest grades of Std'd vars.): Pink	6.00 to 8.00	4.00 to 5.00	
to 3.00	4.00 to 5.00	*Fancy (*The highest grades of Std'd vars.): Red	6.00 to 8.00	4.00 to 5.00	
to 3.00	to	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	6.00 to 8.00	to	
6.00 to 10.00	to	Chrysanthemums, ordinary	20.00 to 25.00	to	
15.00 to 25.00	to	fancy	to	to	
to	to	Daisies	1.50 to 3.00	to	
to .15	to .20	Ferns, hardy	.15 to .20	to	
to .10	to .15	Galax, green and bronze	.10 to .15	to	
1.50 to 2.25	to	Gardenias, per doz	3.00 to 5.00	to	
to	to	Lilac	1.00 to 1.50	to	
to 12.50	12.00 to 15.00	Lilies, Harrisii and Longi	12.50 to 15.00	to 12.50	
3.00 to 4.00	4.00 to 5.00	Lily of the Valley	2.00 to 5.00	to 4.00	
to	2.00 to 4.00	Mignonette	2.00 to 5.00	to	
to	2.50 to 3.00	Narcissus	3.00 to 4.00	to	
to	to	Orchids—Cattleyas	to 75.00	to	
to	12.00 to 15.00	Cypripediums	to 15.00	to	
to	to	Dendrobiums	to 50.00	to	
to	to	Poinsettias	25.00 to 35.00	to	
to 2.40	to 1.80	Smilax, (per doz. strings)	1.80 to 2.50	to	
.75 to 1.00	.50 to .75	Sweet Peas	.50 to 1.00	to	
to	to	Violets, single	.50 to 1.00	to	
.50 to .75	1.00 to 1.25	double	1.00 to 1.50	to	

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

nations are in fine crop for the holidays. The Harry Fenn, Winsor and Pink Delight he is sending to Boston Co-operative Market are grand good flowers and show that there is a master hand producing them.

W. C. Hall of Hall & Robinson of Montreal was a visitor this week.

Some of the finest Sweet Peas brought to the city at this time are coming from A. A. Pembroke of Beverly, Mass. His Carnations, also, are of excellent quality and he has a fine crop on.

Porter Brothers of Danvers, Mass., are shipping some good Sweet Peas and have a fine crop of Violets.

Henry R. Comley, the retail florist on Park st., had a fine vase of the new Rose Melody in his window, and it attracted much attention. A vase of Strelitzia Reginæ was striking with its curiously shaped flowers. He had also the first forced Lilac we have seen this season.

The Central Greenhouse, West Roxbury, shows a nice house of Cyclamen and are shipping in nicely flowered and well grown plants.

A. M. Davenport of Watertown has a beautiful lot of plants for his Christmas trade. He is in the market with forced Lilac plants; his other flowering plants are excellent.

The next meeting of the Gardeners and Florists' Club will be on the evening of Dec. 20; as there will be an election of officers for the year 1911 it is expected there will be a large attendance. Wm. Downs, who recently returned from England, will be the speaker of the evening, and will give a talk on what he saw there in various horticultural establishments. Members are reminded to bring flowers and plants for the exhibition table.

Poinsettias



Wonderfully fine, well colored heads, the kind that prove so satisfactory in any Decorative Work.

This stock has had the greatest care and attention in its growing, giving us, we believe, the choicest Poinsettias we ever had for the Holidays.

$25.00, $30.00, $35.00—and a few extra large at $40.00 per 100.

THE TWO KILLARNEYS AND BEAUTIES

Strong Leaders with us for the Holidays.

Beauties, $6.00 to $12.00 per dozen.

2 Killarneys and My Maryland, $10.00, $15.00, $20.00, $25.00 and $30.00 per 100.

Some big values to offer in Killarneys.

We close at noon Monday, December 26th.

Two Splendid New Roses

Melody and Double Killarney

Orders booked in rotation. Deliveries during March.

Write for our Descriptive List and Prices.

P M QUALITY

S.S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA	NEW YORK	WASHINGTON
1608-1620 Ludlow Street	109 West 28th Street	1212 New York Avenue

Stores close at 6 p. m.

Please mention the Exchange when writing.

Arnold & Petros, on Boylston st., report a first class trade in their new store.

Sydney Hoffman's greenhouses at Mount Auburn are just now especially attractive as they contain an immense quantity of well grown plants for his Christmas trade. His showrooms at the greenhouses are kept very attractively and quite a good business is done right there.

John Barr of South Natick disposes of large quantities of his fine Carnations at the Boston Co-operative Market. His crops have done well this year and he has a splendid cut of superior quality Carnation flowers for the holidays.

Howard, the Harvard square retail florist, reports a flourishing business this Fall. He is located in a fine place and Harvard University gives him good patronage. He did a rattling good business at Thanksgiving and is prepared to take care of his numerous customers at Christmas.

R. C.

Philadelphia

The weather statistics show that this city has had the heaviest early snowfall it has experienced in 26 years. This and the steady low temperature adds greatly to the work of packing among the growers of plants and cut flowers.

Edward Reid is now installed in his new and larger quarters at 1619 to 1621 Ranstead st. The Cattleyas, Valley and Violets he is now receiving are very fine.

E. H. Seidewitz, Baltimore, Md., and H. A. Schroyer, Lancaster, Pa., were recent callers upon the Leo Niessen Co. This company will have this year for the holidays American Beauty, Richmond and Killarney Roses of the same quality and big value that brought it such a heavy trade during the holidays of 1909.

At H. Bayersdorfer & Co.'s goods are coming in and going out day and night, without intermission. Incoming steamers have recently brought in 1500 cases of holiday goods. Novelties, quality, variety, prompt service, and reasonable prices are bringing the company a record business.

John W. McIntyre of Ranstead st. is receiving a good supply of White Lælia anceps, Cattleyas, Yellow Daisies and Lilac, and will have Daffodils for Christmas.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing.

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO., FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Dec. 13, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 5.00
30-inch stems.. "	3.00 to 4.00
24-inch stems.. "	.... to 3.00
20-inch stems.. "	.... to 2.50
18-inch stems.. "	.... to 2.00
12-inch stems.. "	.... to 1.50
8-in. stems and shorts "	.... to 1.00
Killarney	4.00 to 6.00
" extra	8.00 to 10.00
White Killarney	8.00 to 10.00
Richmond	6.00 to 10.00
My Maryland	6.00 to 10.00
Brida, Maid, fancy special	6.00 to 8.00
" extra	3.00 to 4.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	5.00 to 7.00
Chatenay	4.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	6.00 to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.75 to 1.00
Asparagus, bunch	.35 to .50
" Sprengeri	.35 to .50
Callas	.... to 15.00
Chrysanthemums, doz.	2.00 to 2.50
" fancy doz.	.... to 5.00
Daisies	.... to ....
	.... to ....

CARNATIONS	
Standard Varieties: White	2.50 to 3.00
Standard Varieties: Pink	2.50 to 3.00
Standard Varieties: Red	2.50 to 3.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy: White	4.00 to 5.00
*Fancy: Pink	4.00 to 5.00
*Fancy: Red	4.00 to 5.00
*Fancy: Yel. and Var.	.... to ....
* The highest grades of Sta'd varieties	
Ferns, hardy, per 1000	.... to 2.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Lilias, Harrisii and Longi.	12.50 to 15.00
Lily of the Valley	4.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	3.00 to 5.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	60.00 to 75.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Stevia	1.50 to 2.00
Sweet Peas	.75 to 1.00
	.... to ....
Violets, single	.75 to 1.00
" double	1.50 to 2.00
Gardenias	25.00 to 35.00
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

John N. Champion, New Haven, Conn., was a recent caller upon the S. S. Pennock-Meehan Co. E. G. Hill of Richmond, Ind., had his new Roses, Sunburst and Rose Queen and Rose Mrs. Aaron Ward, and his new Carnation Bonfire at the Pennock-Meehan Co.'s store on Wednesday of this week. Many growers were there to meet Mr. Hill and see his new productions, among them Stephen Mortensen of Southampton, and Edward Towill, Victor Groschens and Adolph Farenwald of Hillside, Pa. Other callers on this company were Mr. Schoenhut of Buffalo, N. Y., and George H. Cooke, Washington, D. C. Henry Eichholz, Waynesboro, Pa., has on exhibition at the Pennock-Meehan Co.'s store a plant of his new red Carnation, Christmas Cheer, which is well covered with bloom and looks very cheerful indeed.

Pennock Bros., 1514 Chestnut st., are making a window display of the new Rose Princeton, received from Stockton & Howe, Princeton, N. J. This Rose is among the desirable newcomers, and has many excellent points.

Samuel F. Lilley, 5 So. Mole st., appears to have a rapidly increasing business at his new quarters in a more convenient location.

Among the many recent callers on the Robert Craig Co., 4900 Market st., were Henry Pfister, Washington, D. C.; George H. Seidel, Hazelton, Pa.; George M. Stumpp, New York City; Theodore R. Peterson, Providence, R. I.; E. Wickersham, Pottsville, Pa.; George Boyd and H. P. Potter, Wilmington, Del.; C. C. Yost, Lebanon, Pa.; and Charles L. Fisher and B. B. Edwards of Atlantic City, N. J. Robert Craig, Jr., says: "The avalanche of sales has swept us clean off our feet." The stock of 25,000 Poinsettias in pots and pans is entirely exhausted, Cyclamens all gone, 3100 Crotons in from 25c. to $7.50 sizes sold in one week, Dracæna terminalis supply exhausted, and a tremendous sale of Ficus pandurata in large sizes enjoyed. The magnificent supply of Begonias is dwindling fast, and the Azaleas, never better, are meeting with a heavy sale, and Ferns are moving well.

Chicago

As yet very few new novelties in the line of baskets or vases for Christmas have made their appearance, although some are promised by the week end. There is a new small gold hanging basket with high handles, filled with Ferns, red Ruscus and berried greens, to take the place of the customary Immortelle bell. The retailers have not so far made any unusual window displays, although many beautifully arranged windows are to be seen at the present time. With the decided scarcity of flowers much green and preserved leaves and Ferns are being utilized, and will probably continue to be until the holidays are past.

W. J. Smyth's store is now fully completed, and he has certainly used good judgment in the arrangements and decorations of same. White enamel is the interior finish, and with many mirrors on all sides and encircling the posts, the effect gained is very pleasing. A space has been partitioned off for a supply and store room, and it can also be used as a work room. The window display is very attractive and embraces many of the best decorative plants, interpersed with Cattleyas Cypripediums and other Orchids; some very artistically arranged baskets were also shown.

Mangel's store is now in charge of Henry Klunder, who is considered most proficient in the retail business. The interior of the store is most elaborately and artistically arranged. The marble tables are draped with red plush, which relieves the cold effect, and makes a very fitting setting for the green Ferns and Decorative foliage plants grouped on same. Poinsettias are freely arranged through all parts of the store, and festooning of Mistletoe and Christmas bells makes a most effective decoration. This house had recently the decoration for a large wedding at the Blackstone Hotel, pink and green effect. The bridal party of 60 sat down to a horseshoe table. A gold basket filled with Killarney Roses and Ferns was arranged at each plate, with a corsage bouquet of the same Roses for each lady. The hall room was also decorated. A new Violet cabinet was recently added to the store. The Bohannon Floral Co. reports a decidedly busy season, and the manager says if business increases he will have to embrace the side walk to accommodate the customers. An elaborate dinner at the Blackstone on Wednesday, a large party at the Virginia Hotel on Friday, with many table decorations requires all his attention. Mr. Bohannon spent last Sunday among the various growers, selecting plants for his holiday trade, which from the outlook is going to be very extensive.

Harry Rowe was kept extremely busy with funeral work towards the end of last week. Trade here is brisk at all times. He expects to display a line of Christmas baskets, due in a few days, among which are many new importations of this season.

Owing to the ill health of Mr. Hahn of Strail & Hahn, who has to go to another climate, his share of the business has been sold to E. Haller, and the name of the firm will be changed to Strail and Co. The gigantic floral rooster that was sent to County Treasurer W. L. O'Connell, on his taking office last week, was executed by this firm. The outlook for a good plant trade at Christmas at this store is promising.

Mr. Rowe, in charge of Muir's 35th st. store, says that if the prices of cut flowers advance to the prices of last Christmas the growers of flowering plants will reap a harvest even greater than last year. They are expecting a large stock of various flowering and foliage plants for the holiday trade in a few days. The November business, both at this store and the 47th st. store, is stated as being unusually good for the season.

A. Lange is busy arranging his Christmas offerings at the store, and making room for the large consignments of plants he is expecting this week. Mr. Lange says one of the busiest days he has had for a long time was experienced last week, when he furnished all the vases of American Beauty Roses for the judges, at the County Building, on their taking office. Some exceptionally fine Pansies were displayed in his windows the early part of the week.

Friedman has a grand display of Ferns and foliage plants for use in his Christmas offerings at the store, and for the holiday trade he is expecting this week end. Like all retailers, Mr. Friedman expects an unusually large run on flowering plants, and is providing for same. At the main store a new Violet cabinet has been added. The business at the Congress Hotel store is meeting all expectations.

Ed. Enders, of Samuelson's, says that they have all they can take care of at the present time. The outlook for Christmas trade in plants is immense, and they are preparing to do as much business in this line as last season, with plenty of good flowering plants in all lines to meet demands.

Wienhoeber's report that they are at a loss to know where to obtain first class greens for Christmas purposes, the scarcity of first grade stock being more noticeable than ever before. This house had a large amount of work for the Barker funeral last week; casket cover of Lily of the Valley and Violets, and eight wreaths of different sizes and arrangements were included in the order.

Schiller the Florist is now using a new auto, a Buick model commercial car, built especially for florists' service. Funeral work with this house is very active. The orders booked for Christmas work are extensive. We are pleased to announce that manager George Asmus has completely recovered from his recent attack of rheumatism.

J. H. Sikuta, of 3947 W. 12th st., is very busy getting ready for Christmas, and already has a good stock of flowering plants, including Azaleas, Primroses, Cyclamens, Poinsettias, Lily of the Valley and numerous other plants already in evidence. Mr. Sikuta says that business has been very good with him the past two months.

Winterson's Seed Store is now handling its famous Dewdrop brand of Mistletoe, which is meeting with a very active demand. Unusually fine Holly is also noticed at this store.

John Risch, of Weiland & Risch, is again back at the store, after an absence of six weeks due to illness from typhoid fever. Mr. Risch says he feels as well as could be expected, and expects he will soon regain his usual strength. Paul Blome is getting along nicely and entertains hopes of being at the store again soon.

H. M. Burt of Jackson, Mich., returned home last Monday, having spent two weeks in and around Chicago, combining business with pleasure.

Joseph Krug, of Altoona, Ill., grower of ornamental and flowering plants and cut flowers, made a business trip to Chicago last week, calling on many of the retailers.

The Standard Club had a large dinner on Saturday night, the decorations being of Boxwood and Richmond Roses; the tables, ten in number, each had a centerpiece consisting of 45 Richmond Roses, Boxwood and Asparagus; the effect was very striking.

Jennie Kruchten, aged 19, a cousin of John Kruchten, the wholesale florist, and who was well known to the trade, died on Thursday, Dec. 8. The funeral took place the following Sunday.

Ed. Misewicz, who has a retail store on Milwaukee ave., has opened an additional store at 3211 S. Halstead st. Mr. Misewicz purchased the fixtures of J. B. Opitz, which he had in his 31st and Indiana ave. store.

George Razakles, the florist of 78 Madison st., who was eating a quail each day for 32 days on a wager, accomplished the feat on Wednesday night, which made him a winner of $700. After finishing, he said he would bet $1000 that he could eat 32 more quails in 32 nights, but no one would risk taking the best.

Josephine Then, daughter of Anton Then, 2333 Hamilton Court, on Saturday last caused the arrest of two men who, she charges, robbed her father's greenhouses. Julius Gunther, and Joseph Schals, a former employee of Mr. Then, are the men who were arrested. Miss Then pointed them out as they were trying to dispose of some Carnations and Roses in a store at Van Buren and State sts. About $75 worth of flowers were stolen. The men denied their guilt but could give no explanation as to where they obtained the flowers.

Visitors: Paul Beyer, South Bend, Ind.; P. N. Obertin, Kenosha, Wis.; Theo. Meyer, Waukegan, Ill.; J. E. Meredith, Libertyville, Ill.; Ed. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia; Alliater Currie, of A. Currie & Sons, Milwaukee, Wis.; James Meiklejohn, New

SEASONABLE PLANTS

BOXWOOD for Window Boxes, finely shaped plants, $2.00 per doz.

CLEMATIS paniculata, strong plants, $10.00 per 100.

CLEMATIS Jackmani, Henryi and Mme. Edouard Andre, 2 years old, dormant plants, $3.00 per doz.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 6-in. pots, 3 tiers, 60c. each; 6-in. pots, 4 tiers, 75c. each.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

JERUSALEM CHERRIES, 6-in. pots, full of berries, 20c. each.

HELIOTROPE, Dark Blue and White, 2½-in. pots, $3.00 per 100.

ROOTED CUTTINGS FROM SOIL, $1.00 per 100, of: HELIOTROPE Dark Blue and White, **VARIEGATED VINCAS, FUCHSIAS** in 4 varieties, **GERANIUMS,** assorted varieties, **Hardy ENGLISH IVY, ROSE GERANIUMS, SNAPDRAGON,** White, **COLEUS, Ferschaffelti** and Golden Bedder; Euonymus Radicans and Golden Variegated.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Azaleas and Begonia Gloire de Lorraine
in quantity for Christmas

AZALEAS, at $6, $9 and $12 per doz.; larger plants, from $1.25 to $5 each.

BEGONIA Gloire de Lorraine, 5-in. pots, 50c.; 6-in. pots, 75c.; and larger plants, $1.00 each.

Satisfaction Guaranteed

JOHN McKENZIE, Florist
North Cambridge, Mass.

Please mention the Exchange when writing.

CYCLAMEN
Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 6 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybrids All Colors, in bud and bloom, from 6 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $4.00; from 4 in. pots, $8.00 per 100. Satisfaction Guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

Chinese and Obconica Primroses

Fine plants, ready to shift, 2¼-in., $1.50 per 100; 3-in., $2.50 per 100; 4-in., $5.00 per 100. **PRIMULA Obconica,** 6-in., $10.00 per 100. **CYCLAMENS,** 3-in., $5.00 per 100; 4-in., $10.00 per 100; 5-in., $15.00 per 100. **CINERARIAS,** 2¼-in., $1.50 per 100; 3-in., $2.50 per 100.

SAMUEL WHITTON, 84 Churchill Ave., UTICA, N. Y.

Please mention the Exchange when writing.

PRIMROSES

	Per 100
Chinese	$1.50
Obconica alba and rosea	2½ inch pots ... 1.50
Obconica gigantea	2.00

ASPARAGUS SPRENGERI, 2½ in. pots, $2.00 per 100.

ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 60c. per 100. Cash please.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

York City; S. W. Pike, St. Charles, Ill.; E. Nagel, Berne, Ind.

Miss Carter, of the Carter Floral Co., Joliet, Ill., has the sympathy of the trade in the death of her sister, Mrs. Harris, which occurred Friday, Dec. 9.

Holly and Mistletoe Supply

The supply of good Holly is not overabundant, and the demand for same is very great. The reported shortage of early stock on account of storms and a scarcity of cars to transfer the pickings now available to different points indicates that there will not be any marked increase in the supply now on hand. Some of the Holly is arriving in excellent condition, exceptionally well berried and leaves a bright green and glossy. There is a good deal of second class Mistletoe coming into the market packed and shipped by inexperienced people, with the consequence that it is very much bruised and the berries pretty well off; very different is the stock arriving from the old experienced shippers in this line, the branches of which are well preserved, and berries scarcely disturbed by the journey; this sort of stock does not wait long for purchasers. There is no evidence of a greater supply of Lycopodium being forthcoming.

Bowling

The Chicago Florists' Bowling Club bowled on Wednesday, December 7, at its alleys. The Orchids are now in the lead with the Carnations coming close for second, with the Roses and Violets last. The following were the scores made by the respective teams:

Orchids	1	2	3
Huebner	148	136	142
Farley	212	166	195
Graff	189	151	165
Degnan	175	215	166
J. Zech	169	140	172
Totals	893	808	841
Roses	1	2	3
Wolf	160	131	166
Johnson	154	211	154
Byers	119	143	172
Krutchten	120	140	176
Fischer	210	189	167
Totals	763	814	836
Carnations	1	2	3
Kraus	130	143	149
Winterson	142	140	131
Greusch	165	144	178
A. Zech	183	173	156
Shultz	160	156	140
Totals	780	756	754
Violets	1	2	3
Vaughan	210	134	200
Lieberman	104	132	88
Friedman	149	139	137
Lorman	155	124	127
Yarnall	145	226	149
Totals	763	755	701

Kalamazoo, Mich.

Business is very brisk especially in shipping and funeral work and, as usual in such cases, stock is scarce and high-priced, the most pronounced shortage being in Carnations which are held at $4 per 100 at the cheapest. Violets are also scarce and $1 is asked for them. Roses are coming in better but prices on all cut flowers are higher at this season than for several years past and are likely to remain so until after the holidays. Pot plants will be worked in as much as possible in order to tide over the scarcity of cut flowers, and probably more greens will be handled here than usual. The Winter seems to have set in for good; sleighing has been on for several days and, as this combination is supposed to be good for business, we should be benefited by it.

Stock at the greenhouses comes along very slowly, the dark weather being held responsible for it by most growers; however, as far as my recollection goes, the present season is no worse than any others. I think the scarcity can be traced to the drought of last Summer and the woody growth most plants made at that time. However, we shall have flowers enough and probably to spare when the days lengthen in the Spring and so we must hope the business and markets remain good.

Holly and greens are now on the market, the quality being good in all kinds and the storemen are busy making wreaths, etc. Boxwood balls are a regular institution; Magnolia wreaths are fairly popular but, when all is told, the Carnation at Christmas is the kingpin and a shortage of them difficult to replace.

Kalamazoo is to have another nursery, Mr. Delbert, late of Pontiac, having purchased ten acres of land adjoining this city, for the purpose. His specialty is understood to be fruit trees. S. B.

SEASONABLE STOCK

KENTIA Belmoreana, 2½-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.

NEPHROLEPIS Scholzeli, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.

ASPARAGUS PLUMOSUS, 2½-in. pot plants, $3.00 per 100, $25.00 per 1000.

PRIMULA Obconica Grandiflora, pink, red and white, 2½-in. pots, $2.50 per 100.

ASPARAGUS SPRENGERI, strong 5-in. pot plants, 15c. each.

HELIOTROPE, Purple, in 5 good varieties, $3.00 per 100, $25.00 per 1000.

BOXWOOD, Bush Shape, for windox-boxes or pot sale, very bright foliage and bushy, 10 to 12 inches high, $20.00 per 100; 12 to 15 inches high, $25.00 per 100. Full lines of sizes in both Pyramidal and Natural Bush Forms. Prices on application.

SPIRAEA, large forcing clumps, **Gladstone,** $9.00 per 100; **Queen Alexandra,** $12.00 per 100; **Florabunda,** $4.50 per 100; **Superba,** $6.00 per 100; **Blandin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** at $4.00 per 100.

THE STORRS & HARRISON COMPANY, Painesville, Ohio

Please mention the Exchange when writing.

$1.50 per 100, all 2-in. stock

Feverfew, Gem, Ageratum, Salvia, Asparagus Sprengeri: Primula, Officinalis Hybrids; Hardy sweet scented Cowslip; **Primroses,** Obconica Alba, Lilac, Rubra Hybrida, Rosea, Carminea, Sanguinea; **Cuphea, Heliotrope. Rubbers,** 5-in. 25c. to close out. **Paris Daisy,** yellow and white, 2-in. 2c.

Rooted Cuttings by Mail, postage prepaid

Paris Daisy, yellow and white, $1.00 per 100; **Cuphea,** 75c. per 100; **Heliotrope,** 3 kinds, $1.00 per 100; **Alternantheras,** 3 kinds, $4.50 per 1000; **Brilliantissima,** $5.00 per 1000; **Abutilons,** $1.25 per 100; **Hardy Pinks,** 6 kinds, $1.00 per 100; **Fuchsias,** 5 kinds, $1.00 per 100; **Ageratums,** 4 kinds, 60c. per 100, $5.00 per 1000; **Coleus,** 10 kinds, 60c. per 100, $5.00 per 1000.

Cash with order.

BYER BROS.,
Chambersburg, Pa.

Please mention the Exchange when writing.

Rooted Cuttings

PETUNIAS, Dreer's Superb. Double Fringed, the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100, $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

Please mention the Exchange when writing.

125 New Introductions

by Dr. Franceschi, never before offered for sale in the United States, are described in our Price List No. 2, mailed free on application.

MONTARIOSO NURSERY
Box 1500 SANTA BARBARA, CAL.

Please mention the Exchange when writing.

20,000 PRIMROSES

Obconica, Giants, the largest flowering, 3-in., $4.00 per 100.

Kewensis, the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant; 3-in., $4.00 per 100; 2-in. $2.00 per 100.

10,000 CINERARIAS, Large-flowering, 3-in., $3.50 per 100; 2-in., $2.00 per 100, 300 for $5.00.

ASPARAGUS Sprengeri. 3-in., $3.00 per 100. These are well-grown plants and will please you. **Cash Please.**

J. W. MILLER, Shiremanstown, Pa.

Please mention the Exchange when writing.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

A Few Good Things You Want

HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.

DRACÆNA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C. $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Bachner, Poitevine,** R. C. $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J

Please mention the Exchange when writing.

SEASONABLE PLANTS

REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.

BOSTON FERNS, 2-in., 3c.; 4-in., 10c.; 6-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.

PIERSONI FERNS, 4-in., 10c.

SCOTTII FERNS, 2-in., 2c.; 4-in., 10c.; 6-in., 20c.; 6-in., 35c. each.

DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 5-in., 20c. each.

ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.

CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
JERUSALEM CHERRIES, pot grown; they are very fine and bushy, just loaded down with berries, $16.00 and	$25.00
DRACAENA Indivisa, field grown, 4 to 8 in. size....$8.00, $20.00 and	25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 6 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Seasonable Plants

1000 JERUSALEM CHERRIES, heavy plants full of berries, from 4, 5 and 6-in. pots, $10.00 and $15.00 per 100.

CYCLAMEN Giganteum, heavy plants, well budded, 3 and 4-in. pots, $7.00 and $15.00 per 100; 6-in. pans, $40.00 per 100.

BOSTON, SCOTTII and WHITMANI FERNS, 4 and 5-in. pots, $15.00 and $20.00 per 100.

PIERSONI FERNS, 8, 10 and 12-in. pots, 75c. $1.00 and $1.50 each.

SILK OAKS, 4-in., $12.00 per 100.

BEGONIAS, Zulu King and Amaid Ruga, in bloom, pink and red, 6-in., $3.00 per doz.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
BY FAR THE CHEAPEST.

Just Note Prices!

Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
5 Gallons . . . 47.25

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y.
Pearson Street.

CAMBRIDGE, MASS.
Established 1765.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

Price per crate		Price per crate		HAND MADE	Price per crate
1500 2-in. pots in crate . . .	$4.88	456 4½-in. pots in crate . . .	$5.24	48 9 in. pots in crate . . .	$3.60
1500 2½ " " "	5.25	320 5 " " "	4.51	48 10 " " "	4.80
1500 2⅝ " " "	6.00	210 5½ " " "	3.78	24 11 " " "	3.60
1000 3 " " "	5.00	144 6 " " "	3.36	24 12 " " "	4.80
800 3½ " " "	5.80	120 7 " " "	4.20	12 14 " " "	4.80
500 4 " " "	4.50	60 8 " " "	3.00	6 16 " " "	4.50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

Please mention the Exchange when writing.

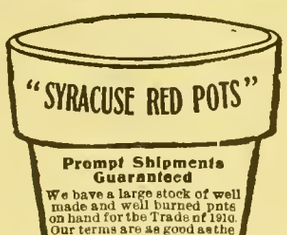


ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

Please mention the Exchange when writing.



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RED STANDARD POTS



Look ahead and see where you can get the best Pot for your money you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

SCOTCH SOOT



It Helps Your Carnations and Roses

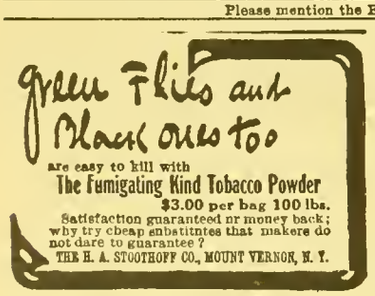
Scotch Soot adds color to the bloom. Drives slugs and worms out of the soil. Should be used by all good growers.

100 lbs. $2.50; 500 lbs. $11.25; 1000 lbs. $20.00.



STUMPP & WALTER CO., Importers, 50 Barclay St., NEW YORK

Please mention the Exchange when writing.



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Prices Advertised in these Columns are for THE TRADE ONLY

"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN

285-289 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.



THE BEST Bug Killer AND Bloom Saver

FOR PROOF WRITE TO

P. R. Palethorpe Co.
Owensboro, Ky.

Please mention the Exchange when writing.

Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

FERTILIZER

For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

Fertilizers of all kinds at wholesale prices.

William M. Davidge, P. O. Box 5 Brooklyn, N. Y.

Please mention the Exchange when writing.

The Mastin Automatic Whitewash and Spraying Machine



Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake Street
CHICAGO, ILL.

Please mention the Exchange when writing.

Pittsburgh

There is little change in trade conditions over those of last week. Stocks are abundant although prices have advanced somewhat. The weather remains cold and cloudy with plenty of snowfall which will have the effect of shortening the supply.

A few 'Mums are still seen but with not much call. Roses range from 4c. up to 12c. and seem plentiful. American Beauty, good ones, bring from $5 up per doz. Some fine white and pink Killarney are coming in. Carnations are going up in price, 4c. and better is demanded. Harrisii are very plentiful, also Paperwhite Narcissus. Christmas plants are in evidence, Tulips in pots are good for early grown. Greens are displayed everywhere and prices will be about the same as usual excepting Ground Pine, which is scarce. The first Christmas trees are in and selling fairly well, mostly at wholesale.

W. Craig of the Robert Craig Co., Philadelphia, was in town several days with samples of plants. J. A. Peterson of Cincinnati was a visitor, selling holiday plants; his new Begonia, Glory of Cincinnati, takes well with our growers and florists.

A. T. Boddington of New York was represented by John H. Bockman, who is very well known among the boys and should have received nice orders.

E. C. REINEMAN.

Indianapolis

Charles Pahud is the father of a fine baby.

It is reported that one of our leading firms is to make extensive changes in management after January 1.

Bertermann Bros. Co. have been busy with large funeral orders during the past week.

A. W. Brandt is taking a leading part in one of the local play houses for a short time.

Hartje & Elder are thinking of adding to their plant next season.

Mrs. Braendlein is cutting fancy Mignonette.

A. Wiegand, who has been seriously ill, is in better condition.

The Indianapolis Plant & Flower Co. is cutting fancy Bride and Bridesmaid Roses.

Chas. S. Barnaby of Columbus, Ind., was a recent visitor. I. B.

Louisville

It is rumored that Fourth ave., from Chestnut st. to Broadway, is soon to be known as "Floral Block," for the general trend of business locations in Louisville seems to be out Fourth avenue, and two prominent florists, Nanz & Neuner and F. Walker & Co., have already located in this square. There are persistent rumors of the removal of one or two other florists' shops to Fourth ave., between Broadway and Chestnut st., in the near future, as boosted rents are beginning to make themselves felt in the center of the city.

S. E. Thompson, a well-known local florist in the Walnut st. theater building, is announcing in his store window that "Christmas Will Soon Be Here, Only Three Weeks Until The Big Day." "They say that 'the early bird catches the worm,'" said Mr. Thompson, "and with that idea in view we prepared those cards which are in the window. Christmas orders will soon be pouring in and it is just as well for you to advise the public that you are 'on deck' ahead of time."

A big dinner that was tendered the governors who attended the recent Governors' Congress in Louisville at the Woman's Club on Fourth ave., furnished a big amount of decorative work for Mrs. C. B. Thompson. Mrs. Thompson utilized about 500 red and American Beauty Roses in the decorations. She also executed the floral decorations for the Governors' Ball, a big festivity tendered to the executives at Frankfort, Ky. The ball room was decorated with hanging baskets, containing quantities of pink Roses and Stevia, with streamers of blue ribbon. G. D. C.

Cincinnati

Business during the past week has been erratic. Monday, Tuesday and Wednesday were good, on Thursday and Friday the bottom dropped out in all lines of the florist business, on Saturday we got back to good business again. Stock coming in is limited, but is nearly equal to the demand as the same is not so good as it was a year ago, due to buying of Christmas presents, paying of

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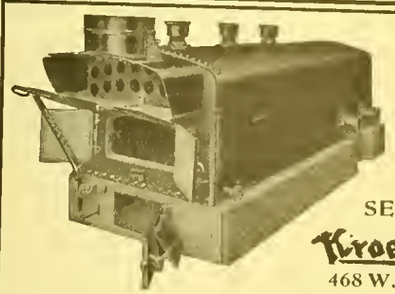

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taxes, and many other excuses. The regular meeting of the Cincinnati Florists' Society will be held in its rooms at the Jabez Elliot Flower Market this, Monday evening, December 12, when it will be decided whether or not the Society will go ahead with the flower show for 1911; the supposition is that everything will be all right, and probably the only thing that will keep Cincinnati from having a show next Fall is the fact that we cannot secure Horticultural Hall, at the Music Hall, in which to hold the exhibition, as it is generally the case that this hall is engaged a year in advance; but we shall soon find out, and the committee appointed to prepare a schedule will get busy, and have it mailed to all those who are desirous of competing. The outlook for Christmas is very encouraging. While I do not think we shall have as much stock as we did last year, we probably shall not have much trouble in disposing of what we have, and at good prices. Carnations will be scarce, and $8 and $10 per 100 will be low prices for them at this period.

The two regular callers who make monthly, and sometimes weekly, calls are Martin Reukorf of H. Bayersdorfer & Co., and the genial Mr. Farney of M. Rice & Co. Mr. Farney informs me that his little daughter, two years old, was very badly burned about ten days ago; his good wife and himself certainly have our heartfelt sympathy and very best wishes that the little one may soon recover.

Will Murphy is very busy handling green goods, and in this case Uncle Sam will not interfere with his work. Holly and Laurel wreathing are his principal items.

Geo. Magrie, the Elm st. florist, is plunging; he is the "Holly King" this year, and claims to have two carloads made to order.

J. A. Peterson is busy packing Glory of Cincinnati Begonias.

Ben George is very busy with funeral work, and is quite a buyer in the market.

Will Sunderbruch, who is the head push at the Bloomhurst Greenhouses, formerly operated by W. K. Partridge, tells the writer that his stock is in the best of condition, and that he will have a good cut of Carnations and Roses for Christmas. The J. M. McCullough's Sons Co. are handling this cut. The Taft Roses are very fine, but Killarney, he says, is too single to be profitable. Carnations that are grown at this place are now selling at $5 and $6 per 100, so William knows how to grow the stock.

E. G. GILLETT.

Toledo, O.

One of the liveliest meetings the Toledo Florists' Club has had for a long time was held last week, Tuesday, at the store of S. N. Peck. It was an exhibition night of flowering plants and the exhibits were much more numerous than on any previous occasion, and more than expected. A goodly number of our out-of-town florists were attracted, and all were well repaid in what they saw and the good time they had. There were substantial money prizes for Cyclamens, Begonias (Lorraine type), Primula Chinensis and Cinerarias. Six people competed for the prizes and the best won. Christ Winterich of Defiance, O., exhibited Cyclamens, Begonia Gloire de Lorraine, and Primulas. John Barrow showed Begonia Gloire de Lorraine, Cyclamens, and Primulas. S. N. Peck staged Cyclamens, Begonia Glory of Cincinnati, Primulas, and Cinerarias. Krueger Bros., Cyclamens. J. L. Schiller, Cyclamen and double flowering Primula Chinensis. The first and second prizes for Cyclamen were carried off by Winterich; the plants were very well grown, measuring 18 in. in diameter, and had a good many open flowers. The first prize for Begonias went also to Winterich, for a magficent Gloire de Lorraine; while the second prize went to Mr. Peck for Glory of Cincinnati. While the flowers of the latter variety are decidedly larger than Gloire de Lorraine, the character of the plant is so different that they can hardly be judged together; but, in our case here, Lorraine was certainly of a better and more compact habit, with flowers all over and around the plant, while Cincinnati showed the flowers above the foliage only. The first prize for Primula Chinensis went to John Barrow, for the beautiful dark variety Carbuncle, an exquisite glowing crimson; S. N. Peck getting the second prize for a single white, and the special prize for a Cineraria grown in a Toledo made flowerpot, and offered by the local pot man. After the prizes were awarded, the prize-winning plants were auctioned off for the benefit of the Club's treasury and netted almost as much as was spent in prizes. The members were out in full force and discussions as to the best method of growing the plants exhibited were very lively. The other plants exhibited were also well grown.

Chrysanthemums are now nearing the home stretch; only a few Chadwicks are around yet, and the sale of pot plants, such as Cyclamens and Primulas, is getting lively and promises to be better than last season.

Schiller has been shipping very heavily of both Cyclamens and Primulas, and it seems hard for him to reserve any for Christmas sales to the local stores.

Carnations are getting better in crop and quality, with prices about the same as last year.

The weather has been cold and dull, and a large amount of snow has blessed us so far. Let us hope that Christmas will be a little milder, to facilitate delivery of plants and flowers. SCH.

St. Louis

The near approach of Christmas finds all the florists busy preparing for the big event of the year in their business. The large establishments in the West End are stocking up with a big supply of plants, and their show houses are already filled with blooming plants, with trimmings to make them attractive.

Mrs. Ayers' and George Walbart's show houses are fine sights, and the Webers, both Fred C. and Fred H., are loaded down with blooming plants in which they expect to do a heavy business.

Ellison Floral Company, Kalish Bros., J. F. Windt, Theo. Miller and Sanders are well stocked up.

Cut flowers will be scarce and high, and it looks as though this is going to be a plant Christmas. There will be plenty of good Holly in the market, but bouquet green is scarce with price now up to $15 per hundred pounds.

We had a number of visitors with us last week, calling on the local trade. They were: Mr. McPheron of Litchfield, Ill.; Harry Nicholson, representing the Chicago Carnation Co.; Frank E. Kegris of Ralph M. Ward & Co., New York; and W. C. Woodruff of W. M. Woodruff & Son, Lowcap, N. C., selling evergreen decorative stock. All say that they had a very successful visit for advance orders.

YOU can at once see that the plan of this range at New London, Conn., is a most excellent one, as each house is arranged so that it will not shade the other. The little eleven foot connecting houses give additional compartments that are very useful for growing small lots, or for experimental work.

The center house is one big compartment for roses. The Superintendent has some choice orchids in the right hand house just back of the grapery.

The construction is Iron Frame throughout; the kind that has stood over two score years of test. Send for circular.

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The Ladies' Home Circle met last Monday afternoon, December 12, at Trimps Hall, and elected officers for the ensuing year. After the meeting, the ladies had lunch and bowling. The result of the election was not learned at this writing.

The Retail Florists' Association held an interesting meeting last week, Monday, December 5, with a large attendance. President Sanders and his staff of officers were all present.

The Elks' Circus, held at the Coliseum last week, was some help to the florists' trade, as quite a lot of flowers were seen during the week. R. J. Windler, W. C. Smith and Vincent Gorley, who are members of the Elks, did a lot of hustling to make the event a success.

C. Young & Sons are making a splendid Christmas showing at their store, 1406 Olive st. Chas. Young, treasurer, visited Chicago last week in the interest of the firm.

Our commission men, Messrs. Kuehn, Berning, Smith and Angermueller, say that stock is going to be scarce and high for Christmas, and especially so if this cloudy weather continues. Christmas supplies are selling well.

The Engelman Botanical Club held its last meeting of the year Monday night at the Missouri Botanical Garden. Mr. C. H. Thompson of the Garden showed a lot of hybrid succulent plants produced in the garden and gave an interesting talk on them. The election of officers took place during the evening.

ST. PATRICK.

Detroit

Notwithstanding the unusually heavy trading at Thanksgiving, local retailers did not have to experience the sudden collapse as is usual after a heavy holiday trade. There is more uneasiness regarding supply than sales. Now, with 'Mums practically passed, we feel the effect of last Summer's drought in the short supply of Carnations. As Mr. Damerow, a prominent local Carnation grower, explains it, all Carnation plants in this neighborhood were very small when removed to the greenhouses, and the pinching back operation which most growers performed has not yet brought about the desired increase.

The McHugh Floral Co. is another retail concern which brings true telling testimony of better business conditions. Although in the same location for years, this is the first year that they could handle 'Mums retailing at $5 per doz. or more with profit.

During the past week we had a chance to record several rather dull days which, however, were rather well taken advantage of for working up Christmas stock. Many stores show their industry by exhibiting very tastefully arranged wreaths, the more expensive ones being composed of Statice, velvet Poinsettias, and red foliage, with appropriate ribbons.

The prospects, as regards cut flowers, are rather gloomy. Flowering plants and plant baskets will be in good supply, and perchance more readily disposed of, naturally, than high priced cut flowers.

Philip Breitmeyer has acquired 35 feet of property on Broadway, alongside the old stand, and intends to erect thereon a typical New England flower house. Negotiations are on foot to lease the Breitmeyer building to a business concern.

FRANK DANZER.

Newport, R. I.

The Michael Butler estate on Berkeley ave., consisting of a fine tract of land, cottage house, greenhouses and other buildings, was sold at mortgagee's sale on Monday, Dec. 12, and bought in by the Savings Bank of Newport for $6000, which is considered a very low price for this fine place.

V. A. Vanicek has just completed a large three story double tenement house at his nursery in Middletown for the use of his men. When the cold weather came on, Mr. Vanicek was in the midst of his Fall shipping; the demand for nursery stock was never better, and the supply of trees is short.

The florists have also found the supply of cut flowers not equal to the demand during the past week. Wm. Jurgens, however, has been shipping away Lily of the Valley of excellent quality.

ALEXANDER MACLELLAN.

BLOOMSBURG, PA.—Sheriff W. P. Zehner has purchased the Davis greenhouse property from District Attorney C. A. Small.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of, purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut



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That it will pay you to get our suggestions and estimates.

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this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions.

—I should like information and advice regarding the heating of a propagating and bedding plant, 100 x 25 ft. On the northeast side I want to run a propagating bench the entire length of the house; the balance of the house will have benches for bedding stock; in fact, the whole house is to be used for such stock. My intention was to heat with hot water, using 2½ in. flows and 2 in. returns, but I purchased four greenhouses to dismantle them and there is a good No. 17 Hitchings hot water heater and about 1200 ft. of good 4 in. pipe, and I thought it might be best to use this. Do you think it would be safe to figure on an addition running to the north from the potting shed? How much more space will the boiler heat? Could I use one flow pipe and shut the lefthand flow and return off? The northeast wall of the house is 6 ft. high, of cement and stone, 28 in. thick. Sash bars come down on to the plate; no glass on side. 14 ft. sash bars run to ridge; all glass. South end is all glass, except 3 ft. cement wall. The west side has 3 ft. cement, 3 ft. glass and 14 ft. sash bar to ridge (all glass), with 9 ventilators. The north end has no glass and forms the side of potting shed; it is of cement with door in center.

There will be five benches, and a propagating bench the entire length of the house at the northeast side, heating for which will be required under the bench so that it may be turned off; the balance of the benches will all be open underneath. The boiler will be located in a pit under the potting shed. How deep should it be placed? I can lay the wall in concrete so as to exclude water. Can I run the flow up through the floor of the potting shed and bring all returns into the shed, and then run down to the boiler? Would this be the best plan and will the shed be heated sufficiently to work in? It will be of cement walls and tight.

Now, how would you pipe this outfit so as to get 55 degrees in zero weather, and how would you run the flows? Where and how would you break into returns and how many returns should be placed to give best results with the Hitchings boiler; or would it be best to use 2½ in. flows and 2 in. returns and pipe with regular pipe, and otherwise dispose of the 4 in. pipe? I do not know how to use this 4 in. pipe but I do the smaller size.

Regarding the potting shed, if it is best I can cover all pipes with asbestos and put in a radiator to heat that room, but I should prefer to break all returns on the end in shed so as to enter boiler and to have them where there is plenty of room for repair in case of leakage.

Can I run one pipe from boiler the height I want flow to enter house, then double up with a branch so as to run two flows, one on each side of the house, and give, say 6 in., right to the end of the house—6 in. size in 100 ft., with a pet cock on the end of each pipe at the south end of the house for air vents? Then, how shall I drop them to break up into the benches. What drop will be best to use, as they can drop and go under the floor of the potting shed into the boiler room and them be collected to run into the boiler?

If you don't consider this No. 17 Hitchings boiler as having sufficient capacity to heat more glass than is found in this 100 x 25 ft. house and potting shed, then we can use both right and left flows and return; but I expect to build another plant house, exactly the same, at the north of the shed next Spring, and can use another boiler, if needed, as I have three more on hand.
C. T. N., Mass.

—The boiler you mention has a maximum capaclty of 1,500 ft. of 4″ pipe. Under the progagating bench place 3 rows of 4″ pipe. As this will all be closed in, you will place other pipes necessary to keep this house at 55° under benches, as follows:

Four under west side bench; three under west center bench; three under east center bench. This will make ten lines of 4″ pipe in this house, not counting the three under the propagating bench, which latter are for bottom heat only. If you have purchased with these boilers and pipes the old style cast-iron expansion tanks which are placed at the ends of circulations, you can utilize them in this plant, instead of air vents, which I will hereafter describe. The simplest plan to carry out in your case would be to use one flow and one return on the right hand side of the boiler, to take care of the pipes under the propagating and the east center bench, and from the left hand side of the boiler take flow and return opening to take care of the west bench, and the west center bench. This will permit of your using all standard 4″ outside diameter pipe; for, if you use one flow and return main across the north end of the house, it would have to be larger than this size. Place the pipes under the benches, as above described, all side by side, the one under the west bench to be fitted with two flows and two returns, and under west center bench one flow and two returns. Under the propagating bench, one flow and two returns; and under the east center bench one flow and two returns.

The above can easily be arranged with standard 4″ greenhouse pipe, that is, for rust joints. All that you will need in the above will be the necessary elbows, tees, "Y" pieces, and some other special branches, which you can select from the catalogs of the various advertisers in the Florists' Exchange, who make these goods. These pipes, as before stated, being all side by side, will be laid on brick piers, and gradually rise to the south end; this rise to be, if possible, not less than six inches. At the ends of these circulations be sure to place the expansion tanks already mentioned, if you have them, or air vents. Be sure to have the various coils under the benches on the same level.

The joints will be made with cast iron borings, dampened to a fair consistency of wetness. You will first caulk, thoroughly, a strand of rope, ramming it well back into the socket. The balance of the joint can then be made with iron borings. Joints at the boiler, and on the mains can have some red lead putty rammed in with the rope, and then follow with the borings, if you so desire.

In case you do not have the old style cast-iron expansion tanks, it will be necessary to place a proper size steel expansion tank in the workroom, as far above the highest point as possible, and connected to the return near the boiler. I would place a stop valve on the two center bench flow connections, and also the same on the propagating bench. The heating coil for the workroom above the boiler could be best taken from the main that supplies the east side of the house and have the connections for this coil taken off the side of the main in both the flow and return.

The above layout, you will see, intends that the connections between the boiler and the heating coils will be below the floor of the workroom, and the door sill leading into the greenhouse. This makes a good working job, and has served me with great satisfaction for many years.

I would not advise, under the circumstances, adding any more pipe to the boiler than this one house, and the workroom. When you erect the new house running from the north to the workroom, you can follow the same instructions. If the house is to be for similar purposes, you can then use the other boiler and pipe that you say you have on hand. You will find 4 in. pipe, when properly erected, will give you good results and perfect satisfaction.

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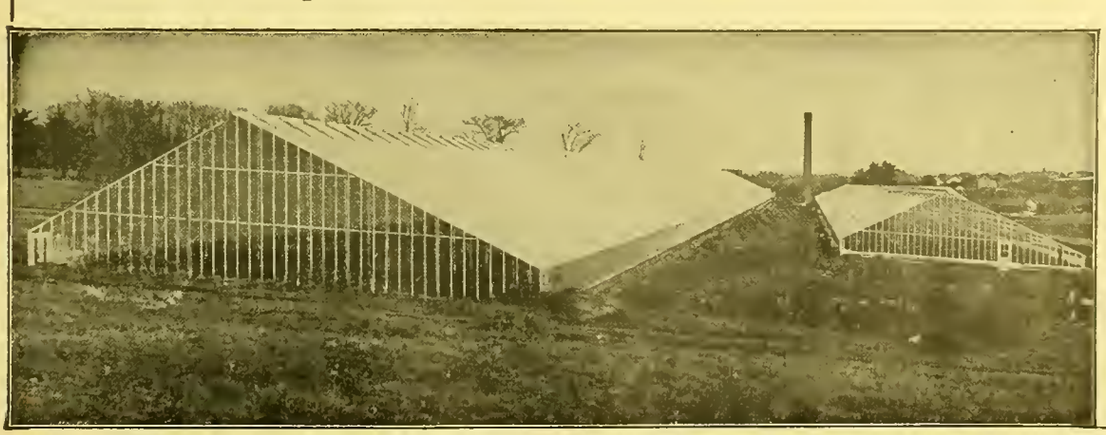

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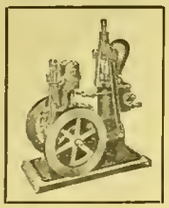

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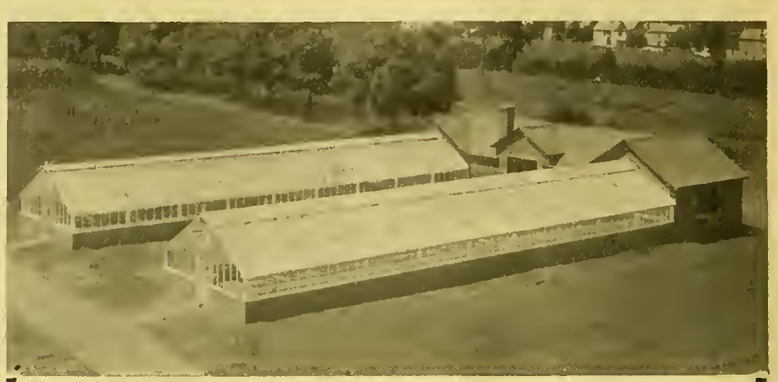

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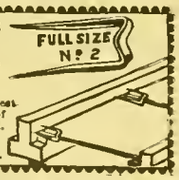

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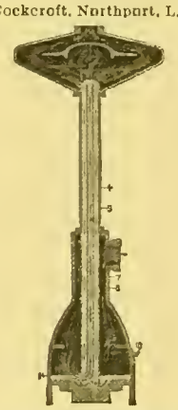

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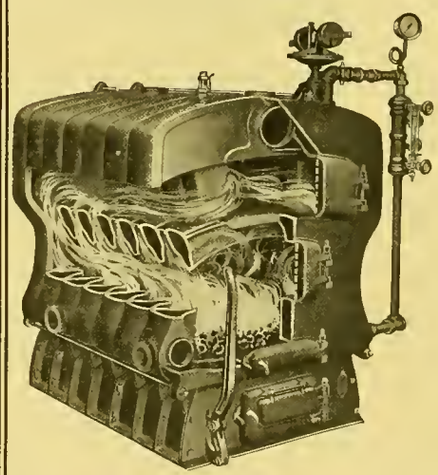

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Of your plants from freezing. This can only be done by using a celebrated

LEHMAN WAGON HEATER



350,000 are in use by **Florists**, Horsemen, Doctors and Farmers. They burn **Lehman Coal** (from which there is no smoke or danger) at a cost of less than ½ cent per hour.

CAN YOU AFFORD TO BE WITHOUT ONE? BEWARE OF IMITATIONS.

For circular and price list write

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13
Amherst MASS

The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 26 NEW YORK AND CHICAGO, DECEMBER 24, 1910 One Dollar Per Year

Amherst Mass

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of Ferns in the following varieties—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

Nephrolepis elegantissima (Improved) The finest of this type, never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in. pots, $6.00 per dozen; 8-in., $12.00 per dozen; large specimens in 12-in. pans, $3.00 to $5.00 each.

Nephrolepis elegantissima compacta This bears the same relation to elegantissima that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in. pots, $6.00 per dozen.

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Nephrolepis Bostoniensis Extra strong plants, 8-in. pans, $12.00 per dozen.

Nephrolepis Scottii 8-in. pans, $12.00 per dozen.

Small Ferns for Fern Pans Best and hardiest varieties, assorted: Pteris Mayii, Wimsetti, Adiantoides, Aspidium Tsussimense, Cyrtomium falcatum, etc. Strong plants, 2¼-in. pots, $3.50 per 100.

Crotons nice assortment, well colored, 5-in. $9.00 per doz.

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The best list of Roses ever offered is contained in our New Catalogue which is now ready for distribution. If you do not receive it, send us a card, and it will be sent you.

Dark Pink Killarney
Double Pink Killarney
Mrs. Aaron Ward
Lady Cromwell
Killarney
Richmond
Prince de Bulgarie
Melody
Radiance
My Maryland
White Killarney

These are the leaders, and we are grafting 780,000 to supply those wanting quality in Rose plants.

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In Carnations we have Mrs. C. W. Ward, Dorothy Gordon and Pink Delight, as well as the older varieties.

Chrysanthemums

The best collection of Commercial Varieties in the World, and a guarantee that the young stock will be the best that can be prodnced.

Bedding Stock, Palms, Ferns and other plants are included in our catalogne.

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AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12 to 14-in. crown	$8.00	$60.00

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30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Carnation Cuttings

For January and later Delivery

	100	1000
Pink Delight	$6.00	$50.00
Mrs. C. W. Ward	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
Admiration	6.00	50.00
Pure White Enchantress	3.00	25.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Winona	2.50	20.00
White Perfection	2.50	20.00
Beacon	2.50	20.00

GLORIOSA, the best Pink up to date and WHITE WONDER (Dorner's New Variety), $12.00 per 100, $100.00 per 1000. Get your order in now for early Delivery.

Hydrangea Otaksa

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Harrisii

	100	1000
5x7, 400 to the case	$4.00	$35.00
6x7, 335 to the case	5.50	50.00
7x9, 200 to the case	9.00	80.00
Case Lots at 1000 Rates		

Lilium Formosum

	100	1000
7x 9, 300 to the case	$8.00	$70.00
9x10, 200 to the case	10.50	95.00
Case Lots at 1000 Rates		

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00
Case Lots at 1000 Rates		

	100	1000
Lilium Magnificum, 8x9, 200 to the case	$5.50	$52.50
Lilium Auratum, 8x9, 160 to the case	5.50	50.00
Lilium Auratum, 8x9, 130 to the case	5.50	50.00
Lilium Album, 8x9, 220 to the case	8.50	80.00
Lilium Album, 8x9, 200 to the case	8.50	80.00

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383-387 Ellicott St., BUFFALO, N. Y.

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WE are prepared to furnish GERANIUMS in large quantities, for immediate shipment, in the best assortment of Standard Varieties in the country, from 2 inch pots, at $2.00 per 100, $18 50 per 1000. From 3 inch pots, at $3.00 per 100, $25.00 per 1000.

We will send 1000, 50 each of 20 distinct Double Varieties, our selection, from 2 inch pots at $18.50, 3 inch pots, $25.00 per 1000. Cash.

SPECIAL OFFER For the first week of the New Year, we will send 6000, from 2 inch pots, in 20 varieties, our selection only, for $100.00 Cash; for shipment between January 1st and 7th.

	2-inch per 100
GERANIUMS, Silver Leaf S. A. Nutt	$4.00
GERANIUMS, Mountain of Snow	4.00
GERANIUMS, Ivy, Variegated-Leaved Eleganta	4.00
GERANIUMS, Variegated Rose, Lady Plymouth	4.00

COLEUS, ROOTED CUTTINGS, Golden Bedder, Verschaffeltii, Queen Victoria, etc., 60 cents per 100, $5.00 per 1000.

	2-inch per 100	3-inch per 100
COLEUS, Brilliancy	$3.00	$4.00
COLEUS, Golden Bedder, Verschaffeltii, and Other Kinds	2.00	3.00
LANTANAS, 10 Varieties	2.00	3.00
HELIOTROPE, Assorted	2.00	3.00
FUCHSIA, 6 Kinds	2.00	3.00
SWAINSONA ALBA	2.00	3.00
LEMON VERBENAS	2.00	3.00
ALTERNANTHERAS, 6 Varieties	2.00	3.00
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R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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A Happy New Year!

	100	1000
LILIUM Harrisii, 9-11...	$14.00	
FREESIAS, Selected	.35	
TULIPS, Artus, scarlet...	.90	$7.50
Chrysolora, yellow	.65	5.00
Pottebakker, yellow ...	.80	7.00
Double Rex Rubrorum.	1.25	10.00
Double La Candeur....	.90	8.00
WHITE ROMAN HYACINTHS, 13-15 ctms...	2.00	
DUTCH HYACINTHS, Named varieties	3.00	
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA, Japonica, extra strong	5.00	
Gladstoue	9.50	

CHINESE SACRED LILIES, $1.25 per basket of 30 bulbs.

	Tr. pkt.	Oz.
IMMORTELLES, in colors, $2.50 per dozen.		
ASTER, Queen of the Market, in colors.....	$0.20	$0.50
BEGONIA Vernon	.25	3.00
BELLIS Perennis, mixed	.20	1.00
CANDYTUFT, White Empress	.20	1.75
COBŒA Scandens, blue	.15	.30
DAISY, Shasta	.20	1.00
LOBELIA, Crystal Palace Compacta	.25	1.50
MIGNONETTE, Goliath	.25	2.00
MYOSOTIS, Victoria	.25	1.00
PETUNIA, Grandiflora, Mixed	1.00	
PYRETHRUM Aureum	.10	.30
SALVIA, Bonfire	.25	2.50
STOCKS, Ten Weeks, in colors.....	.25	2.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

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A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

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We are growers of the very best; have a large collection to select from. Send for prices.

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ATCO, N. J.

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For Seedsmen

I have a small surplus of my own growing at *"Floracroft Gardens"* as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
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Blue List of Wholesale Prices mailed only to those who plant for profit.

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ALL COLORS

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Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

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Fine selected clumps, packed 100 clumps to the case . . .

GLADSTONE, $9.00 per 100; $87.50 per 1000.
COMPACTA MULTIFLORA, $8.00 per 100; $75.00 per 1000.
QUEEN ALEXANDRA, $15.00 per 100; $145.00 per 1000.

We also have about 30,000 extra fine **LILY OF THE VALLEY PIPS**, that we offer at $14.00 per 1000.

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WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., - Chillicothe, Ohio

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WE are rapidlygetting our New Stocks of all the various kinds of Flower and Vegetable Seeds ready for orders. New **ASTER SEED CATALOGUE and WHOLESALE PRICE LIST ready soon.** Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

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Kentia Belmoreana	6.00
Kentia Forsteriana	7.00
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Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Brazilliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lapid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonneti	1 50	12 00
eriospatha	1 50	12 00
Garlneriae	1 50	12 00
Blumeneir	1 50	12 00
humile	1 50	12 00
odorata	1 50	12 00

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Winter Forcing **Mammoth Roots**

250 ROOTS AT THE 1000 RATE

	Per Dozen	Per 100	Per 1000
Mammoth Asparagus	$1.00 (Postpaid)	$4.00	$35.00
Mammoth Rhubarb	1.75 (Too large to mail)	10.00	

Special quotations will be made on large lots.

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	Doz.	100
SPIRAEA Gladstone, Extra strong clumps	$1.25	$9.00
SPIRAEA Compacta Multiflora	1.00	6.00
SPIRAEA Astilboides Floribunda	1.00	6.00
SPIRAEA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride, 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom, 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS		
UMBELLATUS, blue	1.50	10.00

Write for prices on Fresh Asparagus Plumosus Nanus Seed.

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PETUNIA, Giant Double Fringed, very fine, trade pkt. 50c.
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PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c. A wonderful bloomer.
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GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz., $2.50.
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CANDYTUFT, New Giant Hyacinth-flowered, a great cutter, pkt. 20c.
ANTIRRHINUM NOVELTIES. Defiance, fiery scarlet; **Black Prince,** nearly black; **Queen Victoria,** finest white. **Mixed,** or **Separate,** pkt. 20c
SWEET WILLIAM; new colors of large white-centered, fine, pkt. 20c.
COLUMBINE, New blue with yellow spurs, extra, pkt. 20c. Grand Novelty.
SHAMROCK, Irish Green, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

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Hyacinths, mixed colors, separate	$20.00
Hyacinths, miniature, true to name	18.00
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Hyacinths, first size, true to name	50.00
Tulips, single, in finest mixture, separate colors.	7.00
Tulips, single, Artus	10.00
Tulips, single, Keizerkroon	11.00
Tulips, single, La Reine	8.00
Narcissus, von Sion, double-nose, extra fine	19.00
Spiræa, Gladstone, fine, heavy clumps	$9.00 and $12.00 per 100
Spiræa, Queen Alexandra, fine clumps, $16.00 per 100.	

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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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CHICAGO 84 RANDOLPH STREET NEW YORK 25 BARCLAY STREET

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Fresh Tested Seeds

For Early Sowing.

	Tr. Pkt.	Oz.
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AGERATUM, Blue Perfection	15	40
AGERATUM, Dwarf White.	10	25
BEGONIA Gracilis Luminosa	50	
BEGONIA Gracilis Rosea	50	
COBAEA SCANDENS, Purple	10	30
COBAEA, Scandens, Purple	10	30
LOBELIA, Crystal Palace	25	
PETUNIA, Ruffled Giants	1 00	
PETUNIA, California Giants	1 00	
SALVIA, Bonfire	40	2 25
SALVIA, Zurich	50	4 00
SALVIA, Ball of Fire	50	4 00
SALVIA Splendens	25	1 00
VERBENA, Mammoth, five colors	30	1 25

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201 North 7th Street, SCRANTON, PA.

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SEEDS—SEEDS

Fresh Reliable

"For Early Sowing"

	Tr. Pkt.	Oz
Selvie Clere Bedman—"Bonfire"	$0 25	$2.25
Selvie Splendens	.15	1.00
Verbene, S. & I. Choice Mammoth Mixed	.25	1.50
Verbene S. & I. Choice Mammoth Separate Colors	.25	1-25
Lobelie, Crystal Palace Compacta	.25	
Lobelie, Speciose (Trailing)	.15	
Begonia, Vernon 1/16 oz. 50c	.25	
Begonia, Luminose. Fiery dark scarlet	.40	
Petunia, Giants of California, 1/16 oz. $2.00	.50	

Asiera (Vick & Hill grown), see Catalogue

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., PHILADELPHIA, PA.

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Our usual highest grade at reduced prices for Present Delivery.

In case of 1000 pips at $9.00 per 1000.
In case of 3000 pips at $8.00 per 1000.

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HARDY LILIES

Tenuifolium, Wallacei, Hansoni, Henryi, etc.

IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.

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AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Dec. 12.—S. S. Minnehaha.—F. B. Vandegrift & Co., 11 bbls. seed, 63 bags seed, 1 box Mushroom spawn; Lunham & Moore, 19 cases Mushroom spawn. S. S. Philadelphia.—Julius Roehrs Co., 4 cases trees; J. P. Sáner & Co., 50 crates Mistletoe; M. C. Hall, 60 crates Mistletoe; Lunham & Moore, 33 pkgs. seeds, etc.; Maltus & Ware, 2 cases Roses. Dec. 13.—S. S. Prins der Nederlanden.—Meldonado & Co., 594 bags seed; S. S. Philadelphia.—De Lima Cortssoz & Co., 1 case seed. Dec. 14.—S. S. Noordham.—Chase Bros. Co., 9 cases trees; Vaughan's Seed Store, 13 cases trees; Knauth, Nachod & Kuhne, 2 cases bulbs. Dec 16.—S. S. Rhein.—Maltus & Ware, 44 cases Lily pips; W. Kraemer, 10 bbls. garden seeds; R. H. Mills, 600 bags Sugar Beet seed. S. S. Teutonic.—McHutchison & Co., 14 cases plants; M. C. Hall, 40 crates Mistletoe; Sgobel & Day, 21 crates Mistletoe; Lunham & Moore, 14 bags seeds; W. E. Marshall & Co., 2 cases trees; C. B. Richard & Co., 6 cases trees. Dec. 17-18.—S. S. Pennsylvania.—McHutchison & Co., 592 cases Lily pips; W. E. Marshall & Co., 12 cases Lily pips; W. Hagemann & Co., 139 cases Lily pips; H. Nungesser & Co., 97 bags seeds; F. M. Thorburn & Co., 19 bags seeds, etc.; H. M. Baker, 569 bags clover seed; Maltus & Ware, 23 pkgs. seeds, 84 cases Lily pips; O. G. Hempstead & Son, 10 cases Lily pips; L. D. Crosmond & Co., 70 cases Lily pips; S. Stern, 84 cases Lily pips; H. F. Darrow, 53 cases Lily pips and roots; J. L. Hopkins & Co., 7 cases roots; Lunham & Moore, 541 cases Lily pips.

European Notes

With almost continuous rains and an unseasonably mild temperature all outdoor work is perforce at a standstill, and shipments are held up. All low lying land is thoroughly sodden, and in the west of France and the Fen districts in England the floods are numerous and very serious. In Anjou, the Maine, Loire and Anthion have overflowed their banks or broken through and submerged many thousands of acres of land, and a veritable panic exists among many of the growers, who fear a recurrence of last season's disasters. All plants of biennials still in open ground are suffering more or less, but the full extent of the mischief will only be known later on.

Already, many plantings of Turnips have been destroyed, particularly the yellow-fleshed varieties of the amber globe type. In some districts fully one-half of the plantings have perished, and the

The alimentary canal in man is thirty-two feet long and only the first three inches you control. It is a very small proportion, but a very important part. The man who knows how to manage his tongue well is a valuable man. Get the habit of self-control—smile and let the others talk. He who attends to his own business has no time to attend to the business of others. The man who tears down reputations always gets the most of the dirt himself.

The best Horseshoe Brand Salesman is Horseshoe Brand Products. They will satisfy the most critical. There are reasons, and good ones, why Horseshoe Brand Bulbs are of superior quality—ask the man who grows them. All varieties ready for immediate or later delivery at reasonable prices. Write us.

RALPH M. WARD & COMPANY

"Not How Cheap—But How Good" 12 WEST BROADWAY, NEW YORK

Please mention the Exchange when writing.

Forcing Gladiolus

For Immediate Delivery

Many florists plant these in boxes, or among their Carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch crop and take up but little room. The following are the best for this purpose:

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. **$3.00** per 100, **$27.50** per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up. **$16.00** per 1000.

Shakespeare. White and rose. **$4.75** per 100, **$45.00** per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, **$1.75** per 100, **$15.00** per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, **$1.25** per 100, **$12.00** per 1000. First size bulbs, **$1.25** per 100, **$10.00** per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. **$1.25** per 100, **$12.00** per 1000.

American Hybrids. A mixture of the choicest varieties of Gladioli in cultivation. **$1.00** per 100, **$9.00** per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street, NEW YORK CITY

Please mention the Exchange when writing.

Cold Storage Lilies

For Decoration Day

Formosa, 7x9, 280 to the case $21.00	**Multiflorum**, 7x9, 300 to the case .. $17.00
Formosa, 7x9, 300 to the case 22.50	**Multiflorum**, 8x10, 250 to the case .. 17.00
Formosa, 8x10, 240 to the case 21.60	**Multiflorum**, 9x11, 180 to the case .. 17.00
Formosa, 9x10, 200 to the case 21.00	**Giganteum**, 7x9, 300 to the case 27.00
	Giganteum, 7x9, 100 to the case 10.00

SCRANTON FLORIST SUPPLY CO., 201 NORTH 7th STREET SCRANTON, PA.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

Boston Flower Market Stocks

Have held a reputation of unexcelled quality with a large share of the Florists in all parts of this country for the past fifteen years; 85 to 90 per cent. Double Flowers.

Pure White, Trade Packet 75 cents, ounce $5.00. IN COLORS, Crimson, Canary Yellow, Dark Blue, Deep Blood Red, Apple Blossom, Rose, Light Blue and Scarlet, Trade Packet 60 cents, ounce $4.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. **Boston, Mass.**

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	5.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marlenthal	.60	5.00
Salmoneum	.60	5.00
Lilacinum, beautiful lilac ..	.80	5.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

FOR THE BEST **New and Standard**

DAHLIAS

Peacock Dahlia Farms

Post Office, Barlin, N. J. **Williamstown Junction, N. J.**

Please mention the Exchange when writing.

DAHLIA ROOTS

Whole Field Clumps, at $5.00 per 100 and up. 1000, in 10 distinct kinds, either Show, Decorative or Cactus, our selection of kinds, for $40.00 cash.

CANNA ROOTS

Strong Division, at $2.00 per 100, $12.00 per 1000, and up. Send for List.

R. VINCENT JR., & SONS CO., White Marsh, Md.

Please mention the Exchange when writing.

CAN'T FIND THAT STOCK WANTED!

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over. Try it next time you can't find advertised in these columns just what you want.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Veiches	2.25
Sicily Canary Seed	2.62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers **Baltimore, Md.** Established for 92 Years

Please mention the Exchange when writing.

remainder are sickly and thin. A shortage of these is inevitable, and stocks of 1910 crop are already exhausted. A small surplus of the yellow Aberdeen section may be carried over, but if the colonial demand is at all brisk a complete clearance will soon be effected. The same remarks also apply to Rutabagas.

The subject of roots for cattle feeding is of special interest just now, because during the present week the Smithfield Club Cattle Show of the Royal Agricultural Society has been held in London and has been visited by the agricultural notabilities of the whole of Europe. At this exhibition the leading British seedsmen are accustomed to make a display of their specialties for cattle feeding and, thanks to a showery Autumn, some mammoth specimens of Mangels, Rutabagas, Sugar Mangels and Turnips met our gaze. Webb's Buffalo Swede was grand, as was also Garton's Superlative; both appear to be different forms of the Monarch, with the coarseness of that variety eliminated. Sutton's Magnum Bonum ran a neck and neck race with these for premier place. The finest display of Mangels was of Sutton's Prize-winner. Carter's Windsor Red Globe were a very fine lot and the variety will be very popular later. The same firm also exhibited Sugar Beet in all its stages, from the root to the refined product, cut for the table; a singularly valuable and interesting display, in view of the attention now being paid to this culture in Britain.

Harrison's Excelsior Sugar Swede was the most distinct novelty in the hall. It is rather small, flattish round in shape, with a rich deep purple skin as smooth as an apple. It should be a splendid table variety.

James J. Comont has arrived in London.

Assuming that these notes will appear on Christmas Eve, the writer has the pleasure to wish the editor and his readers a very happy Christmas.

EUROPEAN SEEDS.

American Notes

The Christmas Business

The writer has taken pains to obtain from many of the principal sections of the country advance reports regarding the Christmas trade, and while it is pleasiug to say that the general opinion would seem to indicate that the holiday business is, so far, fully up to and perhaps in advance of the average of recent years, still there is quite a feeling of disappointment manifested that prices for practically everything required for holiday decorations have ruled so high. Almost without exception, Christmas greens seem to be averaging higher and higher as the years pass. It will be remembered that a year ago bouquet green started at $10 per hundred pounds, and before Christmas advanced to $15. High as this price was, it is being exceeded this season, and the advancing tendency of prices seems to apply to everything right through the list. In order that a dealer may have a real satisfactory holiday selling season of Christmas greens, it is essential that wholesale prices be reasonable, for the reason that the average purchaser will only devote a certain sum for expenditures in this direction. In a nutshell, the higher the wholesale price the less the retail profits; but, nevertheless, a summing up would seem to show that a most satisfactory trade, in everything pertaining to the decorations for the Christmas holidays, is being accomplished.

Speaking of the other lines of business with the seed trade, the past week has been, as is always expected of the week preceding Christmas week, very quiet, perhaps the quietest of the entire year. This state of things will continue until after the seed catalogs have been well distributed and the placing of advance orders for another seed selling season actively commenced.

December's Trade

It has been a number of years since business with the seed trade, generally, has been as good at the end of the year as it has been during the month just closing. While we have had some unusually Wintry weather and snow during the past few weeks, still sales have kept along remarkably well, especially the retail cash counter business. There have been uuusually large quantities of everything in the line of bulbs that could be used for house culture disposed of; and added to this, the Southern trade for seeds, with those seedsmen who cater especially to this line, has been remarkably active, having started early and in good volume.

Again, as has already been mentioned, Christmas trade along the line of decorative greens and other novelties and specialties adaptable to the season carried by the seedsmen, has been giving us altogether a busy season, and the seed trade should certainly feel that on the whole they have reason to be well satisfied with the business done in the closing month of 1910, and which has rounded out a year of splendid seed selling.

Canna Bulbs for Retail Sales

It is not so very long ago that those seedsmen and dealers who have as a regular part of their business a plant department, felt that the only real large seller in bedding plants was the Geranium. Gradually, however, the Canna has supplanted it to a very large extent—we will not say taken its place—until at the present time individual firms dispose of such quantities as a half million or more Canna roots. It is certainly food for thought that during the past year individual seed firms have disposed of as many Canna roots as a comparatively short time ago were practically sold in the whole country. It is unnecessary to more than call attention to the splendid list of named varieties of Cannas which now can be retailed, and most inexpensively. Every form and desirable color is represented, which, together with ease of cultivation, has given the Canna the wonderful popularity it is now each succeeding season enjoying. By no means should the seedsman neglect to give the better class of Cannas a very large part of his attention devoted to the plant department the coming year. Of course, customers have used Cannas to a more or less extent, but they should have their serious consideration called to the fact that planting this splendid bulb in large quantities will return them just as satisfactory results as they have ever obtained from the Geranium.

Merry Christmas to all.

V.

New York Seed Trade

Apart from about the usual business in Christmas greens and other seasonable holiday stock, the seed trade has passed a very quiet week in so far as immediate sales are concerned. There is, of course, much activity in preparing for the seed selling season that is so soon to open.

At Boddington's, preparations for the coming season are actively going forward. What with seed packaging and getting ready for the distribution of the annual seed catalog, all hands are very busy.

Vaughan's Seed Store is doing its usual good business in Christmas greens and other goods for holiday decorations, such as Christmas bells, Immortelles, etc.

The Stumpp & Walter Co. have, this week, most attractive show windows filled principally with Poinsettias in all sizes of plants.

Peter Henderson & Co. report sales of holiday plants as very good indeed, particularly in the line of Azaleas and Poinsettias. This firm, in its seed department, is extremely busy filling Southern orders.

Burnett Bros. are receiving many orders for immediate and future delivery for cold storage Lily of the Valley pips, of which this firm has for many seasons made a specialty. For the convenience of their customers, they pack the pips in three sized cases, containing 250, 500 and 1000 pips respectively.

Wm. Elliott & Sons report their Christmas business in decorative greens, etc., as having been very satisfactory indeed.

It is noticeable that notwithstanding the high prices in practically everything in decorative greens for the holidays, there would seem to be the usual num-

Representative Seedsmen

THE W. E. BARRETT CO.
PROVIDENCE, R. I.
One of New England's Oldest Seed Houses
GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE
Please mention the Exchange when writing.

GARDEN PEA SEED
Gradus, Thos. Laxton, Sutton's Excelsior and others of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.
Preliminary Wholesale List now ready.
S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.
Please mention the Exchange when writing.

SEVEN TOP
Seed Merchants whose supplies of
SEVEN TOP TURNIP
are under their requirements, are requested to ask for prices, at the same time naming quantities they are short.
D. LANDRETH SEED CO., Bloomsdale Farms, Bristol, Pa.
Please mention the Exchange when writing.

CROP OF 1910
PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 25, page 1008.
BEAULIEU, WOODHAVEN, N. Y.
Please mention the Exchange when writing.

Fireball Salvia Seed
Ounce, $1.50; Trial Packet, 25 cents
ALBERT NIRK
EAST NUTLEY, N. J.
Please mention the Exchange when writing.

Begonia Seeds
From the new variety Prima Donna, imported last year, from my own saving, this year's crop; they are fine, the best of the Bedding varieties. Trade packet of 10,000 seeds, $1.00; ½ trade packet, 50c.
Cash with order.
E. A. BLINN, Cromwell, Conn.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS
NEW CROP—GREENHOUSE GROWN
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50
SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.
Our Flower Seed Catlog free on application
The Moore Seed Co., 339 Market St. PHILADELPHIA, PA.
Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

PANSIES
THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.
Please mention the Exchange when writing.

her, if not more peddlers' stands in the city for the sale of these goods than in past seasons.

Philadelphia Seed Trade

This week the wholesale catalogs will go out from several seed stores, and next week some of the retail catalogs will follow. All the seedsmen are trying to catch a little of the Christmas trade; some with Christmas greens, others with decorative plants, and some with Immortelles. All of the seedsmen who made an exhibit at the Philadelphia Poultry Show last week express themselves as well satisfied with the results, both as an advertisement and in the booking of orders for incubators, brooders, etc.

The Johnson Seed Co. is now mailing its wholesale Florists' and Market Gardeners' List. Herbert W. Johnson, Jr., has arranged some interesting window displays for this week; in one window is shown a litter of handsome Collie pups, and in the other a flock of prize winning Brazilian ducks. Each display is among trimmiugs of Laurels and other Christmas greens.

On Monday of this week, Walter P. Stokes was the guest of the Guernsey Club at the Windsor Hotel of this city, where he delivered a very interesting and instructive address on "Seed Growing Abroad."

The Moore Seed Co. is now mailing its wholesale catalog. Its sales of Immortelles, of which it is a direct importer, are very heavy.

The next lecture at the new store of the Henry F. Michell Co., 518 Market st., will be given on December 27. Prof. J. W. Gregg, of the Pennsylvania State College, will be the speaker. The subject of his address will be "Market Gardening." The lecture will begin at 11 a.m. Both the wholesale and retail catalogs of this company are now being mailed. Large sales have already exhausted the supply of greens provided for the holidays. Seedsmen report that the booking of orders of seeds has begun much earlier than usual, and that planters show a disposition to secure their supplies of staple seeds before stortages really begin to appear.

A prominent Philadelphia seedsman has declared his intention of eating boiled Dahlia roots, to test the statement of one of the Philadelphia daily papers that Dahlia roots when boiled are edible. The seed trade is anxiously awaitiug the result of the test. A report may follow.

SEDALIA, MO.—The Archias' Seed Store Corp. has distributed a very pretty and attractive pictorial calendar to its patrons.

CHICAGO, ILL.—Under the firm name of A. Henderson & Co., a new concern dealing in seeds, bulbs, and plants, will start in business at 51 Wabash ave., on January 1. Alexander Henderson, the head, has been connected with Vaughan's Seed Store for the past thirteen years; and with him will be associated Guy M. Reyburn, who has also been with the Vaughan establishment for three years or more.

CHICAGO.—A recent editorial in the New York Sun stating that some of the agricultural journals were warning farmers to buy seeds only from dealers of established reputation or "they are likely to find a considerable admixture of weed and other seeds not ordered," and then departing from the seed subject and instancing two cases of tree substitution, brought forth a strong letter from one Fred. S. Dickson, who, in sarcastic terms, claimed that no other business in the world is conducted on so dishonest a basis as is that of the seedsman. He then went on to describe some of his experience with seed purchased at different points. This complaint was ably refuted by J. C. Vaughan of this city, who, in a letter to the New York Sun, points out very distinctly wherein the said Dickson was departing from the truth in his statements thereby giving rise to grave suspicions against all seedsmen on the part of those unacquainted with the nature of that business. In conclusion, Mr. Vaughan further said: "The seed trade and plant business in this country is, in the main, carried on under customs established for many years and based on securing and maintaining the absolute confidence of the trade. It cannot possibly be carried on on any other basis."

The Robert Buist Company

The following announcement has been issued by this company to its trade:

It is with profound sorrow we announce the death of Robert Buist, the founder and owner of the business which has been conducted under his name for nearly a half century.

Mr. Buist was a virile example of an upright merchant. He was devoted to the interests of his business and none the less to the high principles upon which he conceived his business should be carried on. A tireless energy together with a sincere desire to be of service to those with whom he dealt, enabled him to build up a large enterprise and to win for himself the honor and respect of his fellows.

It was his desire that his death should not affect in the slightest degree the continuance of the business in which he was so deeply interested. Under the terms of his will, it will be continued under corporate form for the benefit of his estate and of his three leading men who were associated with him for so many years.

Harry C. Stahler, associated with Mr. Buist for nearly thirty years, will continue to direct the business as general manager; Edward J. Flood will take entire charge of the sales department, and A. B. Kochersperger charge of order and stock department.

We hereby guarantee our patrons the same prompt, careful and immediate attention they have received in the past, and trust you will favor us with a continuance of your valued business.

Yours very truly,
Robert Buist Company.
Philadelphia, Dec. 17, 1910.

Under the terms of Mr. Buist's will, his estate will retain an 11 per cent. interest in the business; Harry C. Stahler, who has been 29 years with the Buist Co., will have a 51 per cent. interest; and E. J. Flood and A. B. Kochersperger, who entered into the employ of the Buist Co. when mere boys, and who have been with the company, the former 32 years and the latter 42 years, will each have a 19 per cent. interest in the business. The will was admitted to probate on Saturday, December 17. The Fidelity Trust Co. and H. C. Stahler are the executors of the estate.

Federal Insecticide Regulations

Dealers should carefully study the provisions of this Act as detached in the paragraphs which follow:

The Insecticide Act of 1910 will become effective on the first of January, 1910. Joint regulations for its enforcement have just been issued by the Secretaries of the Treasury, of Agriculture, and of Commerce and Labor. The act forbids the manufacture or sale in Federal territory of adulterated or misbranded insecticides and fungicides, especially mentioning Paris green and lead arsenate. It also forbids interstate shipment of such articles, and this is its most important feature.

Under the regulations, samples of insecticides and fungicides are to be collected by purchase by agents of the United States Department of Agriculture, and analyzed or examined by such chemist or examiner as the Secretary of Agriculture may designate. If a sample then appears to be adulterated or misbranded, a private hearing before the Secretary or his representative will be given to the party from whom the sample was obtained and to others interested, who may appear personally, or by attorney, and may submit oral or written evidence. If it still appears that the act has been violated, the proper United States attorney will be informed of the facts. Provision is made for State officials to co-operate in reporting violations to the Secretary of Agriculture. The latter will ordinarily make his requests for prosecutions to the Attorney-General, but, in special cases, directly to the proper United States attorney. After judgment has been rendered by a court, the judgment will be published by the Secretary of Agriculture within 30 days.

Paris green is considered adulterated if it does not contain at least 50 per cent. of arsenious oxide; on the other hand it must not contain arsenic in water-soluble forms equivalent to more than 3 1-2 per cent. of arsenious oxide; and no substance may be mixed with it so as to lower its strength. Lead arsenate is counted adulterated if it contains more than 50 per cent. of water, or if its total arsenic is equivalent to less than 12 1-2 per cent. of arsenic oxide, or if it contains arsenic in water-soluble forms equivalent to more than .75 of a per cent. of arsenic oxide, or if any substance is mixed with it so as to lower its strength. If lead arsenate contains more than 50 per cent. of water it must be labeled "lead arsenate and water," and the extra percentage of water must be plainly stated. Any other insecticide or fungicide is considered adulterated if its strength or purity fall below the standard under which it is sold, or if any substance has been wholly or partially substituted for it, or if any valuable ingredient has

Representative Seedsmen

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

LILIUM LONGIFLORUM GIGANTEUM
Mammoth Bulbs, 9 to 10 inches in circumference, $9.00 per 100.
SPIRAEA Gladstone $9.00 per 100
Superba Compacta $6.00 per 100
WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N.Y.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

CAULIFLOWER SEED
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

CHOICE GERMAN FLOWER SEEDS
Catalogue Free on Application
FREDRICK ROEMER
Seed Grower
Quedlinburg, Germany
Please mention the Exchange when writing.

Lily of the Valley
Early Forcing. $9.00 per 1000. Finest Quality. 2500 case $20.00
DIELYTRA SPECTABILIS, $5.00 per 100.
NEW CROP
Mammoth Verbena Seed
Blue, Pink, Purple; Scarlet, Striped White and Mixed, each, ¼ ounce 30 cents, ounce $1.00.
Fresh Tobacco Stems
Bale of 300 lbs. $1.75, ton $9.00.
W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)
Please mention the Exchange when writing.

Seasonable Seeds
Cauliflower, Cabbage, Lettuce
Onion, Tomato.
Calceolaria, Cineraria, Cyclamen, Primula, Vinca, Begonia, Salvia, Mignonette.
Write for our 1911 Spring Catalogue.
BURNETT BROS.,
SEEDSMEN
72 Cortlandt St., New York City
Telephone 2223 Cortlandt
Please mention the Exchange when writing.



The Man-who knows-always Sows MICHELL'S "DISTINCTIVE" SEEDS

VERBENA
MICHELL'S MAMMOTH FANCY

	Trade Pkt.	Oz.
Blue, Pink, Scarlet, Striped and White	$0.30	$1.25
Mixed Colors	.25	.75

VINCA ROSEA

	Trade Pkt.	Oz.
Alba, white, rose eye	10 15	$0.50
Alba Pura, pure white	15	.50
Rosea, pink	.15	.50
Mixed	.15	.40

SALVIA

	½ Tr. Pkt.	Tr. Pkt.	Oz.
Splendens		$0.25	$1.25
Bonfire	$0.25	40	2 25
Zurich	.30	.50	4.00

LOBELIA

	Trade Pkt.	Oz.
Crystal Palace Compacta	$0.30	$1.00
Crystal Palace Speciosa, trailing	.20	.50
Bernard's Perpetual	.25	1.00

STOCKS
MICHELL'S FLOWER MARKET
Pure White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red, Mixed Colors. Tr. pkt. 50c. ¼ oz., $1.00, oz., $3.50.

PETUNIA

	½ Tr Pkt.	Tr. Pkt.
Single California Giants	$0 30	$0.50
Single Ruffled Giants	.30	.50
Double Hybridized and Fringed, 500 seeds, 75c., 1000 seeds, $1.50.		

WRITE TODAY FOR OUR 1911 WHOLESALE CATALOGUE; IT'S FREE

HENRY F. MICHELL CO., 518 MARKET STREET PHILADELPHIA, PA.

Please mention the Exchange when writing.

Gorgeous Iris

FOR FALL PLANTING

GERMAN

	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	5.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling.	5.00
PARKMANI. Uprights pure lemon; falls white veined purple	5.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	5.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double

GOLD BOUND. Pure white, one of the best	$0.00
MAHOGANY. Dark red, shaded maroon	0.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	0.00
PYRAMID. Lilac blue, veined white center each petal.	0.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	0.00

Single

APOLLO. Pure white, pink center	$0.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	0.00
LAVENDER QUEEN. Fine lavender	0.00
TOLEDO. White, light purple center	$0.00

PÆONIES

Mixed Varieties, Strong Divisions, $5.00 per 100.

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

been even partially removed, or if it is intended to be used on vegetation and is injurious to vegetation. If the designation of an article imports the presence in it of a certain substance, that substance must be present in the customary amount.

Any insecticide or fungicide is misbranded if the label bear any statement, design, or device that is false or misleading in any particular, either as to the character of the article or as to the place of manufacture. And the term "label" is defined so as to include any circulars, etc., that are packed with the article or referred to either on the label or on the circulars accompanying the article. If the contents are stated in terms of weight or measure they must be correctly stated. If an insecticide or fungicide (other than Paris green or lead arsenate) contains arsenic in any form the total amount of arsenic and the amount of water-soluble arsenic must each be stated on the label. The amount of inert substances (often called "filler") must also be stated.

If the name of the manufacturer is given on the label, it must be the actual manufacturer; if the name given is not that of the actual manufacturer, the phrase "packed for ———," "distributed by" or some equivalent phrase must be used with the name.

The dealer may relieve himself of responsibility by securing from the wholesaler or from the manufacturer a guaranty that the article is not "adulterated or misbranded within the meaning of the Insecticide Act of 1910." This places the responsibility upon the guarantor. The wholesaler or manufacturer may file with the Secretary of Agriculture a general guaranty covering every package of a particular kind of article. The guaranty will receive a serial number; this number is to appear on every package of goods sold under that guaranty, together with the words "Guaranteed by (name of guarantor) under the Insecticide Act of 1910." If a general guaranty is not filed an individual guaranty may be attached to each bill of lading.

The law and the regulations apply also to imported goods, imported lead arsenate or Paris green being treated as being intended for use as an insecticide unless the contrary is shown. The Treasury Department and the Department of Agriculture will co-operate in taking samples of imported goods. If, upon examination, and after a hearing, it appears that a consignment may not lawfully be imported, the Secretary of Agriculture will report the findings to the Secretary of the Treasury and the goods will be refused admission.

Regulation 12 provides that "all matter required by the Act to be stated on the label of an article must be plainly and correctly stated on the face of the principal label in type sufficiently clear and in position sufficiently prominent to attract the immediate attention of the purchaser." This regulation, however, will not be strictly enforced until July 1, 1911. In the meantime, such required statements may be made by means of a "sticker or paster or supplemental label."

What A Good Catalog Should Be

The French Revue Horticole prefaces a recent notice of some new catalogs by a few pertinent remarks on the qualities that should distinguish a good horticultural catalog. We quote the following: "A good catalog should be not merely a list of names with the prices attached thereto, but it must captivate the reader, presenting its goods to him in an attractive light, and setting forth their qualities. Nay more, it must be as a guide and counsellor, imparting instruction as to the best species and varieties of plants, the manner of making the best of them, and of cultivating them most in agreement with their nature. We take pleasure in stating that a notable progress has been made in this direction in the catalogs of the great French growers with the last few years: botanical errors are rare in them, the manner of presentation is more careful, and some nursery catalogs, in particular, contain much useful information for the amateur." [We are of opinion that French catalogs, generally, can stand much improvement before they reach the ideal.—ED. F. E.]

F. E.—Best Advertising Medium

LILIES

At Reduced Prices

HARRISII

5x7 (400 to case)	$25.00 per 1000
6x7 (300 to case)	35.00 per 1000
7x9 (200 to case)	45.00 per 1000

MULTIFLORUM

6x8 (400 to case)	$20.00 per 1000
7x9 (300 to case)	30.00 per 1000
9x10 (200 to case)	50.00 per 1000

GIGANTEUM

6x8 (400 to case)	$30.00 per 1000
9x10 (200 to case)	70.00 per 1000
10x11 (150 to case)	85.00 per 1000

SEND FOR SPECIAL QUOTATIONS ON LARGE LOTS

SPIRÆA

	Per doz.	Per 100
QUEEN ALEXANDRA	$1.80	$11.00
ASTILBOIDES FLORIBUNDA	.85	6.00
ASTILBOIDES SUPERBA	.90	6 50
BLONDIN	.85	6.00
COMPACTA MULTIFLORA	.75	5.50
GLADSTONE	1.25	8.50
JAPONICA	.65	4.50

Lily of the Valley

	Per 1000	Per 5000
LONDON MARKET BRAND	$14.00	$67.50
PREMIUM BRAND	12.00	57.50
INTERNATIONAL BRAND	10.00	47.00

CHINESE LILIES

	Per 1000
MAMMOTH SIZE	$40.00
SELECTED 1st SIZE	25.00

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

Deterioration of Vegetables

The reputation of the Teltow Turnips is an international one. For centuries they have been grown in the vicinity of Teltow, near Berlin, Germany, and exported by the shipload as a delicacy to Holland, France and England. These Turnips are now grown on a large scale in other districts around Berlin, but on these grounds the crop lacks the delicacy and flavor of the true Teltow Turnips which were grown on the ancient fields. We have here a case similar to that of the famous Erfurt Cauliflower. Although the variety retains many of its old characteristics, yet the fine flavor can be had only in crops grown on fields that have been used for a long time for vegetable raising. The quality of the Erfurt Cauliflower deteriorates in proportion as the fields on which it is grown near the city. It is well known that the flavor of vegetables is a curious problem, and may vary widely in different districts under precisely the same treatment.—*Der Handelsgaertner.*

CULTURAL DIRECTIONS. We have had written by experts over 50 Cultural Direction Leaflets, giving care of Seeds, Bulbs, etc. Finest thing out to hand customers. Write for sample. **A. T. De La Mare Ptg. & Pub. Co., P. O. Box 1697, New York.**

CANNA ROOTS CANNA ROOTS

Home grown; true to label; 2 and 3 eyes each; in perfect condition.

	100	1000
ALLEMANIA, 5 ft., Orchid-flowered	$1.75	$15.00
BLACK BEAUTY, 6 ft., Bronze-leaved	3.50	
COMTE DE BOUCHARD, 4 ft., Yellow	1.75	15.00
CRIMSON BEDDER, 3 ft., Bright crimson	2.00	18.00
DAVID HARUM, 4 ft., Bronze-leaved	2 50	
EMILE WIELAND, 4½ ft., Bright scarlet	3 50	
FLORENCE VAUGHAN, 5 ft., Yellow	1.75	15.00

	100	1000
KING HUMBERT, 5 ft., Bronze leaved	$2.75	$25.00
MRS. KATE GRAY, 6 ft., Orchid flowered	1.75	15.00
PENNSYLVANIA, 5 ft., Orchid flowered	1.50	14.00
PRES. CARNOT, 4 ft., Bronze-leaved	1.75	15.00
WYOMING, 7 ft., Orchid flowered	2.00	18.00
YELLOW CROZY, 3½ ft., Yellow	2.00	
MIXED CANNAS	1.50	12.00

HON. BENJ. F. HOWELL. This is indeed a wonderful Canna and may justly be termed an improved King Humbert. It's of slightly taller growth and very like King Humbert in flower and foliage—fully equalling that grand variety; in fact, being a still freer bloomer. It is of American Origin and possesses the decided advantage over King Humbert of making roots more freely and to be a much better keeper. Being fully as good as King Humbert in every way—almost exactly like it in both flower and foliage—and being far better commercially, it is bound, in the near future, to supersede it. The sooner every Grower of Cannas gets it, the better off he will be. **Price $1.00 per dozen; $5.00 per 100.**

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

SPECIAL OFFER

QUALITY BULBS AT SURPLUS PRICES

250 Bulbs at 1000 Rate

SINGLE TULIPS	1000
Belle Alliance	$9.90
Duc Van Thol, Red and Yellow	5.25
Rosamundi Huykman	6.00
Ophir d'Or	5.50
Proserpine	11.40
Rose Luisante	9.60
L'Immaculee	4.25
La Reine	4.25
Duc Van Thol, Scarlet	8.50
Bizard Verdict	4.25
Pottebakker, Yellow	6.00
White Hawk	9.00
Duc Van Thol, White Maximus	6.00
Jacaba Van Beyerie	9.00
Couleur Cardinal	6.60
Cottage Maid	5.50
Duc Van Thol, Crimson	5.25
Mon Tresor	7.80
Crimson King	6.60
La Precieuse	6.00
Mrs. Moore	10.00
Orange Beauty	10.00
(Parrot) Cramoise Brilliant	4.80
(Parrot) Lutia Major	4.80
(Parrot) Admiral Constantinople	4.80
(Parrot) Single Superfine Mixed	3.90

DOUBLE TULIPS	1000
Rose Blanche	$5.60
La Candeur	6.00
Duc Van Thol, Red and Yellow	8.50
Duke of York	6.75
Murillo	6.80
Rex Rubrorum	8.70
Tournesol, Red and Yellow	8.50
Imperator Rubrorum	8.50
Gloria Solis	7.00
Purple Krooo	7.00
Rubra Maxima	7.00
Le Blason	6.00
Couronne de Roses	12.60
Yellow Rose	4.60
Superfine, Mixed	3.90

SPIRAEAS	Doz.	100
Gladstone	$1.15	$8.50
Floribunda	.75	6.00
Compacta Multiflora	.70	5.50
Grandis	3.00	25.00

DIELYTRA SPECTABILIS	
Dielytra Spectabilis (Bleeding Heart)	$0.65 $5.00

HYACINTHS	1000
French Roman Hyacioths, White, 13-15 ctms.	$14.00
French Roman Hyacinths, White, 14 ctms. and over	17.50

The Moore Seed Company

339 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

CAN'T FIND THAT STOCK WANTED!

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over. Try it next time you can't find advertised in these columns just what you want.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Rooted Cuttings

BY THE 100 PREPAID.

HELIOTROPES, Dreer's six fine sorts, deep Lavender, Lilac, dark Purple, pure White, Violet Blue with white eye and deep Purple, assorted and labeled, $1.00 per 100.

	100	1000
HELIOTROPE	$0.75	$6.50
LEMON VERBENA	.75	6.50
ENGLISH IVY	1.00	9.00
GERMAN IVY	.50	4.00

CHARLES FROST, Kenilworth, N. J.

Please mention the Exchange when writing.

Seasonable Plants

GERANIUMS, Beaute Poitevine, Gem, Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., extra fine plants, from 2½-in. pots, $2.25 per 100; $20.00 per 1000.

MARGUERITES, from 2½-in. pots, fine, stocky plants, $2.00 per 100.

CHINESE PRIMROSES, 4-in., large plants, Double and Single, Mixed Colors, in bud, $8.00 per 100.

PRIMULA OBCONICA, 4-in., Mixed Colors, in bud and bloom, $5.00 per 100. Try them.

Thousands of all kinds of Flowering and Decorating plants on hand. Orders accepted for Spring delivery, including millions of Vegetable Plants. Correspondence solicited.

ALONZO J. BRYAN
Wholesale Florist
WASHINGTON, N. J.

Please mention the Exchange when writing.

Rooted Cuttings

PETUNIAS, Dreer's Superb. Double Fringed, the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.

AGERATUM, Stella Gurney. 60c. per 100, $4.00 per 1000.

SALVIA Zurich, absolutely true to name. $1.00 per 100, $8.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

Verbenas! Verbenas!! Verbenas!!!

THE GEM BEDDING PLANT

J. L. DILLON, Send for Circular **Bloomsburg, Pa.**

Please mention the Exchange when writing.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets	Casket Covers	Easels
Broken Columns	Gates Ajar	Panels
Christmas Wreaths and Baskets	Floral Chairs	Anchors
Easter Baskets and other Easter Designs	Harps	Wreaths in great assortment
	Horseshoes	Standing Wreaths
	Lyres	Standing Crosses
	Pillows	

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 **NEW YORK CITY**

A Correspondence School in Horticulture

So far as we can learn quite some good work is being done by the Home Correspondence School of Springfield, Mass. Their catalog for 1910 furnishes some of the most interesting educational literature we have had the pleasure of looking over; it is a book of about 250 pages and is published for free distribution.

The school comprises five departments: Academic and Preparatory, Agricultural, Commercial, Normal and Civil Service. The agricultural department offers courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry and Botany, under Professor Brooks of the Mass. Agri. College, Professor Craig of Cornell University and other well-known teachers.

The school furnishes bound volumes and lessons are assigned in advance so that students are at no serious disadvantage on account of distance. Students are free to take their own time to complete the lessons and have the privilege of asking practical questions and of receiving expert advice.

The fees are very low—low enough to bring the courses practically within the reach of all, and many of our readers might benefit through taking up and pursuing one or more of the courses offered. Such as contemplate this step should send for a catalog and address F. Arthur Metcalf, Pres. the Home Correspondence School, Springfield, Mass.

Ten Day Horticultural Institue

The Illinois State Horticultural Society, with the co-operation of the Illinois Florists' Association, the Cook County Truck Growers' Association, the Illinois Outdoor Improvement Association, the Lake Forest Horticultural Society, and the Horticultural Department of the University of Illinois, will hold a ten day horticultural institute at the University of Illinois, Urbana, Ill., beginning Tuesday, Jan. 31, and ending Friday, Feb. 10, 1911. The last three days of the institute will be devoted to the annual meetings of the Illinois State Hort. Society, Illinois Florists' Assn. and other similar organizations. There will be exhibits of fruits, vegetables and flowers. Programs may be procured from W. B. Lloyd, Kinmundy, Ill.; J. F. Ammann, Edwardsville; August Geweke, Des Plaines; or E. Bollinger, Lake Forest.

A comprehensive program has been arranged which includes subjects of interest to the amateur as well as to the commercial horticulturist. Practical demonstrations will be given in the packing of fruit and flowers, the making of spraying materials and the operation of spray pumps.

Throughout the entire program the subjects will be handled by men of wide experience in their respective lines. The speakers include the entire staff of the horticultural department of the University, several of the most prominent orchardists, florists and truck growers of the State, and also such men as Dr. S. A. Forbes, State Entomologist; Professor M. N. Thomas, Crawfordsville, Ind.; Professor John Craig, Ithaca, N. Y.; O. J. Kern, Rockford, Ill.; Professor W. M. Scott, Washington, D. C.; and C. F. Hale, Grand Rapids, Mich.

Stereopticon lectures, including such subjects as "Life Histories and Habits of Insects," "How to Plan Home Grounds," "Rural School Improvement," "Technique of Hybridizing and Crossing," "Street Trees in Illinois." "Illinois Greenhouses and Their Products," and "Development of the Public Park, with Special Reference to the Small Town," will occupy the evening sessions.

The various subjects on the program will be treated in an intensely practical way, so that the matter presented will be readily understood by the beginner as well as by the professional horticulturist. In fact, the Institute is especially designed to help those needing information regarding the fundamentals of plant culture as applied to fruits, vegetables, flowers and ornamental plants. Coming as it does immediately after the annual Corn Growers' and Stockmen's convention held at Urbana, this ten day Horticultural Institute serves as a fitting climax to nearly four weeks of practical instruction in agricultural affairs.

Favors Received

From W. Atlee Burpee & Co., of Philadelphia, a desk paperweight, advertising the "Best Seeds that Grow." The upper side is decorated with a handsome Pansy in colors, illustrative of the efforts of the firm to supply seeds of the highest quality; the reverse is a mirror wherein "reflections," pleasing or otherwise, may be seen, according to the makeup of the observer.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

California Privet

Grown by a Specialist to Sell

I still have a good stock in all grades of California Privet, and have a surplus of 3 to 4 feet. Let me quote you before buying. I can ship you stock that will make you trade.

C. A. BENNETT, Robbinsville, N. J.

Please mention the Exchange when writing.

Nursery Stock for Florists' Trade

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for Trade List with prices

W. & T. SMITH COMPANY

64 Years GENEVA, N. Y. 800 Acres

Please mention the Exchange when writing.

Privet

3 to 4 ft. at $5.00 per 100; large stock is scarce.

Peach Trees

4 to 6 ft., 5-8 inch at $10.00 per 100.

Asparagus

3 year olds extra at $5.00 per 1000.

These prices are for stock delivered after the 15th of October.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

I OFFER FOR FALL

5000 KUDZU VINES
2000 CATALPA BUNGEI
3000 Standard HYDRANGEAS
1500 TEAS' WEEPING MULBERRY

Also my usual assortment of Hardy Nursery Stock

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

ROSES IN 200

Sorts for Immediate or Spring Delivery

THE LEEDLE FLORAL COMPANY SPRINGFIELD·OHIO·

Please mention the Exchange when writing.

Norway Maples

Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

Alma Nurseries

OUDENBOSCH, HOLLAND

Proprietors { U. J. HEERMA VAN VOSS
H. A. M. SWELLENGREBEL

Write at once to our American Agent:

Leonard Oorthuys
POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

40,000 EVERGREENS

At following prices. Orders now taken, will ship at convenience of purchasers.

NORWAY SPRUCE, 2 to 3 ft., 7c. each.
NORWAY SPRUCE, 3 to 4 ft., 10c. each.
NORWAY SPRUCE, 4 to 5 ft., 15c. each.

D. T. McCARTHY & SONS
Nurserymen and Florists — Lockport, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

PEONIES—IRIS

The greatest collection, world-wide. Stocks true to name and unmixed. The rare, extra good ones largely, in heavy supply.

Write today for our Trade List.

C. BETSCHER, Canal Dover, Ohio, U. S. A.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

Please mention the Exchange when writing.

Northern Grown Nursery Stock

We Grow a General Assortment of **Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.**

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

California Privet

Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
2½ to 3 feet, 6 or more branches, strong plants	3.00	26.00
3 to 4 feet, 8 or more branches	4.00	35.00

Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

Please mention the Exchange when writing.

English Ivy

Strong Bushy Plants

From 4-in. pots - - $12.00 per 100
Rooted Cuttings - 10.00 " 1000

Peter Wenk, OZONE PARK (L. I.) N. Y.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries — ROCHESTER, N. Y.

Please mention the Exchange when writing.

Privet Bargains

$5.00 per 1000 up. Send for Price List.

SOUTHSIDE NURSERIES, Chester, Va.

Please mention the Exchange when writing.

2 Million Privet Cuttings

HARRY B. EDWARDS, Little Silver, N. J.

Please mention the Exchange when writing.

Araucaria Excelsa

5-inch pots, 4 to 5 tiers, 16 to 18 inches high, 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 5 tiers, with more spread, 18 to 20-inches high, 75 cents each; $7.50 per dozen.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the Exchange when writing.

CAN'T FIND THAT STOCK WANTED

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over, try it next time you can't find advertised in these columns just what you want.

THE EXCHANGE—Best Advertising Medium

Ornamental Trees and Shrubbery of All Kinds

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the Exchange when writing.

VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinisporas, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

The F. E. Conine Nursery Company, Stratford, Conn.

Please mention the Exchange when writing.

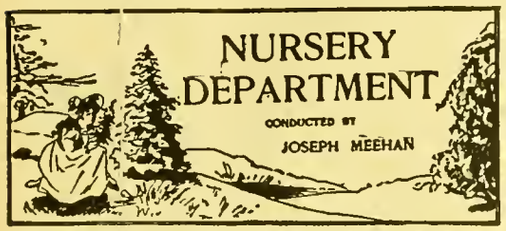
LADY GAY and DOROTHY PERKINS ROSES

Field-grown, cut back to 2 to 3 feet of wood.
$5.00 per 100; $40.00 per 1000.

FLORENCE NURSERY - - - Florence, S. C.

Please mention the Exchange when writing.

The Prices Advertised in these Columns are for the Trade Only



AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. 26th Annual Convention at St. Louis, Mo., 1911.

Planting and Pruning Privet

A party about to set out a hedge of California Privet writes us that she saw men planting a long line of hedge of this shrub lately. The plants were of some size, probably two to three years old, and the planters set them in just as they were, cutting them down to about a foot off the ground when the planting was finished. The question is asked us if we consider this good planting. To this we would say, yes, it is excellent work, the only suggestion for betterment would be that the cutting down should have been to six inches instead of twelve.

The plants are strong at two to three years old and, when cut back as these were, they will push strongly in Spring. The leaving the work of cutting back until the planting is done permits of better handling in the work, and the having everyone at the same height when cut off later is assured. Yes, the work was well done!

This planting was done in the Autumn, in eastern Pennsylvania, and should prove quite successful, as Winter did not set in for two months later, by which time the plants should have been well settled in their positions.

This Privet has done much to beautify the grounds of dwellings wherever it is hardy, as it has in the locality named.

Ilex Crenata

The illustration of the Japanese Holly which we give here represents what nurserymen are coming to call the large leaved variety, as there is in cultivation one with much larger leaves than the other; this one represents the larger of the two. With its thick leaves and general appearance one would almost take it for a Euonymus Japonicus, though this specimen is more bushy than plants of its size usually are; again, it has the appearance of having been transplanted within a short time.

This Holly, the Ilex crenata, has been suggested as an evergreen hedge plant but, although it would make a good one, it would need patience on the part of the one planting it, for its growth is slow at the best. The picture before us shows that the leading shoots had made but about a foot of growth, the side ones not as much, which shows the length of time necessary to give it before it would make a nice hedge.

The seeds of this Holly are black, and, as with all Hollies, it is not every bush that bears berries. Agreeing with the tribe, it requires that the berries be a year in the ground before they grow.

[Mr. Meehan refers to our picture as representing one of the larger leaved varieties of Ilex crenata. We would much like to hear from subscribers who may have a first class specimen of the finer leaved variety which, to our mind, is much the more elegant of the two.

The Japanese Holly is coming into considerable demand of late by landscape gardeners, particularly for specimen purposes, and we would like to see the question solved as to which of the two kinds—the large leaved or the more delicate leaved one—is preferred by the buyer.

The slowness of its growth, as noted by Mr. Meehan, is somewhat against its cultivation by nurserymen wishing to turn their money quickly. The writer has in mind a hedge of the small leaved variety which, for four years, had scant attention and very little feeding. In the season of 1910, however, it received proper attention, the border was cultivated and well supplied with well rotted horse manure, and it made nearly as much growth in 1910 as it did in all four previous years. Although planted from strong roots this hedge is but two feet high. By the way, this small leaved variety is quite hardy in northern New Jersey. The hedge in question is fully exposed to the wind from all directions, except the South, and the only effect it shows after passing through the Winter is a slight freezing back of the extreme tips.—ED.]

Propagating Boxwood

Florists tell us that sprays of common Boxwood are becoming very scarce, not nearly enough being obtainable from Europe, and there being but few parties in this country propagating it. Heretofore, it has sold freely because, being comparatively cheap, it served the purpose of those needing such material in their work just as well as other stock in the same line costing more money. Some years ago, a Pennsylvania florist wrote this department for information as to the possibilities of growing Boxwood at a profit, and at that time, because of the fair stock in Europe, he was told that his chances would not be favorable. Now that the European supply is short it may encourage some growers here to venture to grow plants, but growing Boxwood to give shoots for cutting would be long drawn out work, it is such a slow growing evergreen.

A climate such as is found in the State of Washington should be favorable to the growth of it, as a moist air suits it and it does not care for great heat; though, with moisture, very likely it would not object to more heat than it really requires. Heat and moisture drive growth ahead, which is why, when Boxwood is raised in a greenhouse and the plants are kept there for a season or so afterwards, the rate of growth is twice that or more than would be the case if plants were outdoors.

The old way of propagating Box by tearing apart large plants and using the parts as cuttings that are separated is a sure one; rooting is sure to take place, though slowly. A more expeditious way is to take cuttings of the latest growths in Winter, say in January, and place them in a cool greenhouse for a month, then into a warmer one, keeping the cuttings shaded from the sun; in this way nicely rooted cuttings might be looked for by Spring. These cuttings should be potted and grown on in frames the first Summer, planting them in the nursery the Spring following, choosing for them a situation where the soil is deep, moist, and of excellent quality.



Ilex Crenata, Japanese Holly

Wintering English Hollies

The English Holly is becoming more popular for Christmas use in dwellings every year. Many who purchase the plants do not consider what they will do with them after the festivities are over; the very wealthy folks do not often care, it is sufficient to them to have their use for Christmas.

Where Winters are sufficiently mild to admit of opening the ground to receive trees there need be no anxiety regarding the Hollies; they can be planted in their positions at any time, with care taken that the ball of soil surrounding the roots is not too much disturbed in the operation. When Winters are of the opposite nature, so cold that the ground is frozen practically all through that season, it is not well to set the Hollies in the ground even should a mild spell permit it. Better to place them in a cold barn, stable or some similar building where, though they may freeze, they will not be subject to much light. In darkness it will not hurt them if they do freeze with too great severity, as they thaw out in the dark without harm.

An oversight often occurs when Hollies and other tub plants are stored in sheds or buildings in Winter without much light, that of forgetting to water them. It is quite important that they receive lots of water at that time, even to sprinkling them overhead occasionally.

Some years ago, a gentleman who had some of these Hollies for Christmas, finding the weather quite mild when use for the plants indoors was at an end, set them out on his grounds in a grove of wild Red Cedars and deciduous trees. They lived and are alive today, Winters not hurting them in the vicinity of Philadelphia, where this place is, when the plants are set in a shaded and partly protected place.

It is claimed for the variegated leaved Holly that it is even hardier than the green leaved one.

Growing the Camphor Tree

Newspaper reports are to the effect that the ever increasing demand for camphor has caused the price to advance so rapidly that it has become profitable to grow the trees for the purpose of obtaining the product. In Florida and some portions of California the climate well suits this tree, as it is indifferent to a few degrees of frost; even with the thermometer at 20° the Camphor tree can stand it. There is also in its favor that the tree will grow in almost any situation or soil, flourishing even in poor ground. At the present time Japan furnishes the bulk of all the camphor used, the tree being a native of that country, and the island of Formosa headquarters for it. Wherever the climate admits of its growth—and there must be many places besides Florida and California where it would flourish—there may be land unsuitable for other growths which could be planted to camphor. From Laurus camphora this tree has become Camphora officinalis. Every part of the tree yields the camphor, even its roots give up some of it; gardeners know how easily the odor is detected when a leaf of it is crushed.

The Camphor tree is easily raised from seeds. In Florida the seeds ripen in Midwinter, and, when required for sowing, they should be gathered and sown soon after ripe, being kept well watered afterward until fairly above ground.

In a botanical way, the Spice Bush and the Sassafras are closely related to the Camphor. Both were once in the genus Laurus, but the former is now Lindera Benzoin and the latter Sassafras officinale.

The Camphor tree is reported as thriving in Ireland, the island of Guernsey and the southern counties of England. It encounters frost in Winter in some of those localities, sometimes 15° or more, but the moisture and lack of much sunlight there enables all plants to endure more cold than they would under our bright sunny Winter days.

An Impervious Osage Hedge

In these days of wire fencing, barbed and otherwise, but few persons think to use the Osage Orange for hedging. Because of their rarity, the writer was both surprised and pleased to run on such a hedge recently, and a good one it was, too, being both man and beast proof, he should say. This hedge was set about six years ago, when slashing such a hedge was much praised, and this one had been so treated. It was, indeed, a formidable affair, though still young, and not over five feet tall. Such a hedge is built up on the plan of bending over and intertwining the shoots it makes annually, a somewhat unpleasant task because of its thorny nature. When such a hedge has been so trained for a few years nothing can break through it.

The hedge is made in this way: The plants are set a foot apart, and are cut down almost to the ground to start with, so as to encourage shoots from the very bottom. These shoots are topped before they have grown tall to still further thicken their base, a measure of great importance. After the forming of a thick base the plants are let grow at will through the Summer, the working in and out of their branches in a horizontal way being done in Winter. In the hedge spoken of some wire strands had been used at the start to assist in holding the branches in proper position, but these are not a necessity after the branches of the plants become set in position, which occurs at the lapse of a season or two of growth.

The yearly cutting back of some useless shoots, and the horizontal training of some others, tend to keep down the usual rampant growth of this plant; besides this its tendency is to cause young shoots to sprout from the very base of the plants, all adding to the greater bushiness of the sedge.

The hedge mentioned was on the boundary of an estate and a public park, and along its whole line there was no evidence of any one ever having broken through it. At one place, near the ground, there was an apparent break which enticed the writer's dog to attempt a passageway, but the animal did not more than put his head partly through and then retreat from it.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

J. Blaauw & Co. Boskoop Holland

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Picea Pungens Glauca Koster Compacta

Purest, Bluest Strain, "The Only Real Good Shaped Blue-Spruce in Existence," Clean Stock

Height	Diameter		Height	Diameter		Height	Diameter	
Plants, 15 in.	12-15 in.	$30 00 per 100	Plants, 3¼ ft.	2½ ft.	$2 50 each	Plants, 4 ft.	2¾ ft.	$3.50 each
" 2 ft.	1½ ft.	$1.00 each	" 3½ ft.	2½ ft.	3.00 "	" 4½ ft.	2¾ ft.	4.50 "

Catalogue free on application

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MANETTI For Winter grafting. We offer English at $12.00 the thousand; French at $10.00. Both good; 3 to 5 millimetres, smooth, evenly graded, disbudded, well-rooted stocks, *especially selected for Florists' grafting.*

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LILACS Imported, pot-grown, for cut-flowers, bushy, suitable for seven or eight inch pots, 50c. each; $5.00 the dozen. **CHARLES X** only.

HALF-STANDARD ROSES **BABY RAMBLER** and **MRS. CUTBUSH,** 50c. each; $5.00 the dozen. *No better at any price.* Full-Standard Baby Rambler, same.

BUSH ROSES Fine assortment leading H. P's, like Brunner, Charta, Druschki, etc. Also **HYBRID TEAS, RAMBLERS, DOROTHY PERKINS,** etc.

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KENTIA Belmoreana, 2¼-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.

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BOXWOOD, Bush Shape, for window-boxes or pot sale, very bright foliage and bushy, 10 to 12 inches high, $20.00 per 100; 12 to 15 inches high, $25.00 per 100. Full lines of sizes in both Pyramidal and Natural Bush Forms. Prices on application.

SPIRAEA, large forcing clumps, **Gladstone,** $9.00 per 100; **Florahunda,** $4.50 per 100; **Superba,** $6.00 per 100; **Blandin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** at $4.00 per 100.

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Utica, N. Y., and Near By

Your scribe made a flying trip to Barneveld, N. Y., a few miles north of Utica and the home of Apple Blossom Carnation, the Wanoka Greenhouses. We saw it here in its very best bearing a big crop for the holidays; also was noted a fine house of Dorothy Gordon and two houses of Rainbow, a new one on this place, not yet on the market; it looks much like Prosperity in color but has a finer stem and is a stronger grower. The firm expects to make a showing at the Carnation Convention next March. I also saw a fine lot of new seedlings, one especially fine, on the order of Delight, with larger flower and good shape and color; another a red that seemed very good. Being short of time we had to hurry for the train, much to our regret.

Baker & Son are showing a fine lot of made up baskets, pans and jardinières for Christmas. They have two as fine houses of Poinsettias as you will find anywhere in the State, in all sizes; Lorraine Begonias, a fine lot of Azaleas, well in bloom, etc., etc. Carnations in good quantity but not enough to fill the demand. Everything at Bakers' is in fine shape for the holidays.

At Wm. Mathews there is a fine showing of all kinds of plants for the holidays; here again we find a shortage of Carnations, and it's nearly the same at every place. Other Christmas stock is in good supply, excepting Orchids, but there are as fine a lot of plants as are to be seen anywhere. Mr. Mathews showed me as fine a pair of hunting dogs as are to be found in this country, and we are looking for a rabbit supper soon.

W. A. Rowlands, Whitesboro, N. Y., will have a good cut of Carnations for Christmas, as this is all he grows. It is not up in quantitiy to that of previous years, although in quality good. The Carnation output is not very encouraging this year; November weather was of the worst, only two days in the month without rain or snow. Mr. Rowlands expects to build one or two more houses in the early Spring and will then have nine houses all to Carnations. He expects to attend the Carnation convention in March, and then, I suppose, we shall hear all about the new kinds.

C. F. Seitzer's Carnations are good but in short crop, not nearly enough for orders. Everything here is looking well. Mr. Seitzer intends to wind up business next July, as his lease runs out. He will sell the greenhouses, to be moved off, and will retire from the business. Mr. Seitzer is the oldest florist in Utica and we hope he will live a long time to enjoy the rest he has so well earned.

I took a trip to Canajoharie, a short time ago, to see Joe Traut, and was received very cordially. As usual, he has Begonia Lorraine of the finest; he surely does know how to do it just about O. K. Everything else was in the best of order.

At Little Falls we found our old friend J. O. Graham enjoying the good things of this world; his place was looking well and he said trade was O. K.

There will, according to present prospects, be a good trade done here for the holidays with everything in plenty but Carnations; these will bring from $1.50 to $2 per doz. for good flowers; all other stock will be at a fair price. One florist here has orders for Red Carnations, given him last Christmas; his customer was not going to be left this time. a good way to do on reds, surely.

QUIZ.

Azaleas and Begonia Gloire de Lorraine

in quantity for Christmas

AZALEAS, at $6, $9 and $12 per doz.; larger plants, from $1.25 to $5 each.

BEGONIA Gloire de Lorraine, 5-in. pots, 50c.; 6-in. pots, 75c.; and larger plants, $1.00 each.

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New Orleans

Chas. Eble has just completed a new Palm house, 60x20 ft., height inside 14 ft., of Foley construction—that is, the material was supplied by the Foley Mfg. Company, Chicago, but the house was actually constructed by young Ben Eble, who has a turn for mechanical work and not only does the carpenter work but the pipe fitting, ventilating, etc. This house was built principally to house Mr. Eble's stock of fine decorative Palms, consisting of large Kentias, Arecas, Cocos, etc., which he uses in connection with his high class store trade. Mr. Eble was found busy packing Phœnix Roebelinii, of which he makes a specialty and which he has by the thousands from the small seedling in a 2½ in. pot up to fine specimens in tubs. His entire stock of this Palm has the earmark of good cultivation, which makes the plants immediately salable by the purchasers. The whole of the Eble houses are fitted with the Skinner system of overhead watering, certainly a great time saver.

At the December meeting of the New Orleans Horticultural Society there was a nice display of cut flowers and Christmas flowering plants made by the members, the exhibition a credit to the Society.

Justin St. Mard brought fine grown Poinsettias; Abele Bros, Begonia Gloire de Lorraine and Dracæna Mandaianum; James Newsham exhibited Orchids, among them a Cypripedium Faireanum; C. W. Eichling Easter Lilies, which with Valley is his specialty. Richard Eichling exhibited, for U. J. Virgin, Azaleas, Ferns and Palms, amongst the Ferns being a striking specimen of Davallia Fijiensis. The Metairie Ridge Nursery Co. was strongly represented by home grown Roses of finest quality, consisting of pink and white Killarneys, My Maryland, Kaiserin Augusta Victoria, Richmond, Château de Clos Vougeot, Rhea Reid, Mrs. Jardine, W. R. Smith, Bridesmaid, Bride and American Beauty, for which the Rose grower to this company, Mr. Dressel, is famous. The members were so impressed by the fine showing made and by its advertising possibilities that it was decided to give an exhibition in January free to the public.

CRESCENT CITY.

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st.
The color is the clear, deep pink so much in demand.

Rooted Cuttings: $6.00 per 100, $50.00 per 1000.

ALMA WARD LARGEST WHITE.
Rooted Cuttings: $7.50 per 100, $60.00 per 1000.

Cottage Gardens Co. Inc. Queens, Long Island, New York

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Cincinnati

Once again Christmas is staring us in the face with good prospects for a fair business but I hardly think equal to that of last year. Carnations are going to be the scarce article but, of course, at the last moment they will begin to pile in, as they usually do; the growers seem to dig them up from under the benches or some place else; the same with all other flowers, but when they can get advanced prices for the flowers you can hardly blame them for holding their cut, although in some cases it is a great detriment for the reason that the flowers are salted and growers could have received more money if they had sent them in right along.

The Holly business, Club Moss, Boxwood and Laurel wreathing at this date are all sold out, with very little chance of getting any more before Christmas. Snow in Wisconsin came along very early this year and stopped the picking of Club Moss which is the reason for its being scarce.

The Cincinnati Florists' Bowling Club is getting ready for some match games in the near future.

Tom Windram, Chas. Pfeiffer, Wm. Speck, C. C. Murphy and G. Brunner Sons, are all sporting new automobiles, so you see the florists' business is good in Cincinnati; the growers can all sport them but the wholesale and retail men are glad to eat feathers.

The genial Mr. Fancourt of the S. S. Pennock-Meehan Co. of Philadelphia was a caller during the week, selling their new Roses, and booking orders for Christmas. J. A. Keller of Lexington, Ky., was also a caller during the week.

By this time next week we shall all know what we did not get for Christmas. The writer wishes all who may read these notes a Merry Christmas, a Happy New Year, and a prosperous 1911.

E. G. GILLETT.

Detroit

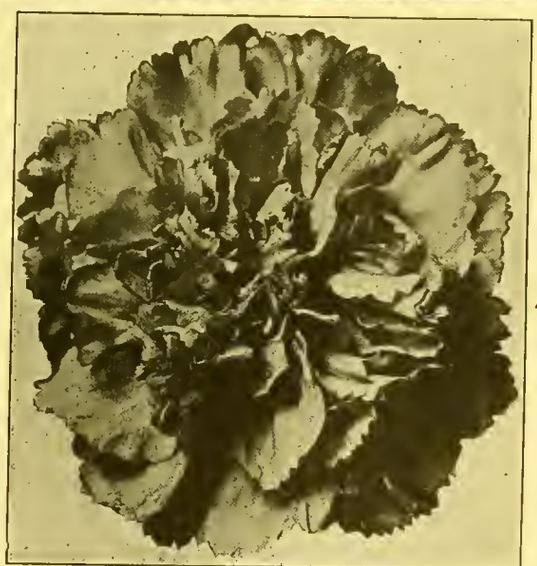
Slowly, but persistently, the time comes nearer when all the wit, nerve and managing capacity of the florist is being put to the hardest task in the year. To go through a Christmas trade, no matter how small or how large, and do it with a reasonable profit and without disappointing a customer is a conundrum very difficult for even the most experienced to solve. In view of the present outlook for cut flower supplies in this city, the question is certainly much more complicated than in other years. Carnations, which have been scarce all Fall, are simply out of sight now and bring $6 per 100. Roses are in fairly good supply but prices were stiff last week, starting with $4 per 100 for 4 in. long stock, and they will, of course, be higher this week. Such are the conditions all along the line, and if there ever was a chance for flowering plants and plant baskets it will be this year.

Bookings for Christmas orders are rather freely made, considering that we are a week from the holiday yet. Breitmeyers have booked two balls for this week at the Pontchartrain, three for the week after Christmas at the same hotel, and one ball at Saginaw on December 29. The Pontchartrain Hotel is, this year, the leading place for social functions, and Breitmeyers appear to have most all of them on their list.

In view of the prevailing scarcity of flowers, and having already more orders than they can possibly fill, the Michigan Cut Flower Exchange has not issued any holiday price list.

Robt. Flowerday, the genial proprietor of the Detroit Floral Co., will help to make the progressive Detroit. His neighbor, Harper Hospital, has acquired the half block on which his greenhouses are located, and will erect thereon an up-todate hospital at an expenditure of $3,000,000.

M. Bloy, one of our largest growers of plants for the holiday trade, reports a complete clean up. FRANK DANZER.



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WASHINGTON, cerise, a sport from Enchantress	$10.00	$75.00
PRINCESS CHARMING, beautiful flesh pink	12.00	100.00
CONQUEST, variegated	6.00	50.00
SANGAMO, brilliant pink	6.00	50.00
MARY TOLMAN, deep flesh	6.00	50.00
DOROTHY GORDON, pink	6.00	50.00
SCARLET GLOW	6.00	50.00
J. WHITCOMB RILEY, yellow	6.00	50.00
SHASTA, white	6.00	50.00
SENSATION, pink	6.00	50.00
PINK DELIGHT, flesh pink	6.00	50.00
MAY DAY, flesh pink	3.00	25.00
ENCHANTRESS	3.00	25.00
ROSE PINK ENCHANTRESS	3.00	25.00
WINSOR	3.00	25.00
WINONA	3.00	25.00
ALVINA, cerise	3.00	25.00
ARISTOCRAT, cerise	3.00	25.00
AFTERGLOW	3.00	25.00
WHITE ENCHANTRESS	3.00	25.00
WHITE PERFECTION	3.00	25.00
O. P. BASSETT, scarlet	3.00	25.00
VICTORY	3.00	25.00
BEACON	3.00	25.00

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$8.00 per 100 $60.00 per 1000

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It is a pure, bright, dark pink of even shade, size 3½ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

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Price per 5000 . . $400.00

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Enchantress color, longer and stiffer stem, stronger and harder calyx, remarkable lasting and shipping qualities; as much ahead of Enchantress as Enchantress was of Daybreak

See it grow at Chas. H. Totty's Madison, N. J., Chicago Carnation Co. and at our own place.

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The Scarlet Pot-Carnation

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Orders booked now for December and January Delivery and later.

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Gloriosa (Our New Pink)	12.00	100.00
Pink Delight	6.00	50.00
Scarlet Glow	6.00	50.00
Shasta	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
J. W. Riley	6.00	50.00
Admiration	6.00	50.00
Golden Ray	6.00	50.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Enchantress	3.00	25.00
White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Beacon	3.00	25.00

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White Perfection

We have a fine batch of White Perfection Rooted Cuttings, ready about January 1st. $2.50 per 100, $20.00 per 1000.

Satisfaction guaranteed.

S. A. NUTT GERANIUMS

from 2¼-inch pots, ready now and later, good stock, $2.50 per 100, $20.00 per 1000.

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WHITE FRICK, $1.00 per dozen.

PINK FRICK, 75 cents per dozen.

DAISIES, 2½ inch pots, $3.00 per 100.

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STRONG STOCK PLANTS.

Tonset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).

75 cents per doz.; $4.00 per 100.

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Prices Advertised in these Columns are for THE TRADE ONLY

CARNATIONS

100,000 Rooted Cuttings. Strong, Healthy; Guaranteed.

PINK DELIGHT, DOROTHY GORDON, APPLE BLOSSOM, WANOKA, $6.00 per 100; $50.00 per 1000.

Unknown Parties—Cash or C. O. D. Order now for early delivery.

By the way, have you ordered "RAINBOW," the coming Carnation? Awarded A. C. S. certificate at Pittsburgh. $12.00 per 100, $100.00 per 1000.

Orders booked now for January, 1912, delivery.

WANOKA GREENHOUSES,

BARNEVELD, N. Y.

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Unrooted Carnation Cuttings

Can ship at once, carefully selected Cuttings, at the following prices:

	1000
Dorothy Gordon	$30.00
Shasta	30.00
Scarlet Glow	30.00
Sangamo	30.00
May Day	15.00
Beacon	10.00
White Enchantress	10.00

100 at the 1000 rate.

SEA CLIFF NURSERIES

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STOCK CHRYSANTHEMUMS
THE BEST OF LAST YEAR'S NOVELTIES

In pot and bench plants, viz.:

Wells' Late Pink, W. Mease, Mrs. H. Stevens, R. F. Felton, Gladys Blackburn, Keith Luxford and others at 50 cents each

Our new list for 1911 will be ready soon. Send for copy.

SCOTT BROTHERS

Elmsford Nurseries, ELMSFORD, N. Y.

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SHASTA

For best results plant our White Carnation Shasta. It is undoubtedly the Freest Carnation on the market today.

Strong, well-rooted, cuttings ready for January.

$6.00 per 100 $50.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

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100,000 Rooted and Unrooted Carnation Cuttings

Varieties as follow, will be ready for delivery January 15th: Enchantress, Winsor, Lawson, White Lawson, Bountiful and Winona

ALL OTHER VARIETIES SOLD

THE WORCESTER CONSERVATORIES, Worcester, Mass

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Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, 250 at 1000 rate.

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Double Your Money! How?

By growing **Asters** from **Smith's Peerless Seed** in **White** and **Light Pink**; none better. Have also a complete list of the good Standard Kinds, as well as all the Novelties in **Chrysanthemums** of our own raising, and all the best Commercial Sorts.

Catalogue now ready, write for copy.

ELMER D. SMITH & CO., ADRIAN, MICH.

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BONFIRE

(EXHIBITED AS MRS. BECKWITH)

The New Sensational Red Carnation Winning Over All Red Carnations At Indianapolis, in Eight Entries

By far the finest Red yet introduced. Color intense scarlet. Habit strong and free, producing flowers as large as Beacon and much earlier.

Book Orders Now. Ready January 1st. $12.00 per 100, $100.00 per 1000.

THE E. G. HILL CO., RICHMOND, INDIANA

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San Francisco

The Market

It is always a pleasure for one to write reports on market conditions when stock is abundant and prices are good. At the time of writing business is remarkably good. There is a good demand for cut flowers of all descriptions and the call for flowering plants was never better than it is at present. In this line I notice that there is a big demand for such things as Lorraine Begonias, Cyclamen, Azaleas, etc. This is as it should be, and I am pleased to see that the retailers are giving more attention to this class of stock. The outlook for Christmas trade is exceptionally good and the growers have been more than satisfied with the advance sales for Christmas week. Carnations were never better than they are at present and everything points to fancy prices for good stock from now on until the New Year. Roses are still improving and we have been favored with some really nice lots of late. The Rose, after all is said and done, remains our most popular flower; and one never goes into a store without hearing the remark: "Oh! what lovely Roses. I must buy some of them." This in itself is peculiar, inasmuch as California is simply overgrown with Roses of all descriptions, yet the fact remains that a man who can grow good Roses for the market can make more money in one week than the Carnation grower can in a month. Chrysanthemums are scarce, and growers who have been growing chiefly for Christmas trade should net some fancy prices in the coming week. In the Orchid line we have lots to pick and choose from, and it is pleasing to state that prices are good, 60c. for Cattleyas being the prevailing price. Valley is quite plentiful and is selling better than it has done for some time past. There is a plentiful supply of Roman Hyacinths, which flowers are in good demand for made-up work. Paperwhites are coming in quantity and, while they bring only average prices, still they clean out in pretty good shape. In the way of greens we are well supplied, and prices for this line of goods are extremely good. There is a good demand for Maidenhair Ferns and prices are well up to the standard. Pot plants of all description are to be had in quantity, and prices for well-flowered plants of such things as Lorraine Begonias, Cyclamens, Primula obconicas, Azaleas, etc., were never better than they are this season.

Various Notes

H. Platt of Ocean View reports business rushing with him. Dracænas, Lilies and Ferns of all varieties are among his offerings for Christmas trade.

The December outing of the Pacific Coast Horticultural Society took the form of a visit to the nurseries of the MacRorie-McLaren Co. at San Mateo. Over fifty members journeyed to Burlinghame, where conveyances were waiting to take them to their destination. After partaking of a light lunch, the party proceeded to inspect the greenhouses and the nursery in general. Mr. MacRorie and Mr. McLaren were both on hand to show their guests what rapid strides they had made in the business during the short time they had been at San Mateo. Mr. Platt, chairman of the field day committee, voiced the general opinion of the members when he remarked that nothing led more to good fellowship and a harmonious feeling among the growers than the field days and outings which have become such a popular feature with the members.

Mr. and Mrs. Geo. A. Lehmann of San José were recent visitors in town. Mr. Lehman reports business very good in the Garden City.

The Siavers Cornwall Co., on Powell st., has been making a special feature of Orchids in its window displays. Patrick Orr, the genial manager of this most up-todate store, reports a heavy demand for flowers of all descriptions, and also mentions that the outlook for Christmas trade is good.

The Misses Hannon, on Polk st., have been doing a fine business of late. There are few more progressive florists in San Francisco than those two ladies, and it is pleasing to know that their undoubted skill in the decorative art is becoming more widely known.

A. H. Hills of Fruitvale is sending some extra fine Orchids into town these days. The Cattleyas grown by this gentleman are especially fine.

A recent visit to Golden Gate Park made by the writer showed everything in fine shape. Nothing impresses the visitor to San Francisco more than this wonderful playground undoubtedly the finest park in the world.

MACMILLAN BROWN.

Milwaukee

This city has been experiencing a protracted spell of dull weather up to the last few days and it looked for a time as if Old Sol had forgotten that Christmas flowers were intended for others than just a favored few with fat purses. However, for the past few days, he has apparently been trying to redeem himself and it is now almost an assured fact that there will be plenty of good stock to go round, and famous old Milwaukee can now point with pride to another of her industries adding to her fame these days.

Some good Am. Beauty Roses, Carnations and Lily of the Valley are coming in now. A noteworthy fact is that Christmas greens of the coarser kinds, such as trees, roping, etc., are conspicuous by their absence in many of the florist shops here. Two reasons are given for this, first, that owing to destructive forest fires, and early snow in northern Wisconsin there is a scarcity of these goods; secondly, the grocerymen and marketmen are going in for this trade more and more every year, and are selling on much closer margins. Therefore, the florists are devoting more time and attention to the finer class of Christmas decorations and immortelle work.

A regrettable fact here, however, is that some of the florists are exhibiting very ludicrous imitations of Poinsettias in their windows; it is to be hoped that before long they will see the absurdity of this practice.

The sympathy of the trade is extended to the Currie Bros. in the loss of their mother. Mrs. Jas. Currie, Sr., was born in Fenwick, Ayrshire, Scotland, 83 years ago, and died Dec. 11 last. The interment was in Forest Home Cemetery, Milwaukee.

Walther Mass is out with a fine new auto delivery car.

Mr. Hunkel, of Holton & Hunkel, reports that their Fall business has exceeded that of previous years and that they cannot put up glass fast enough to meet their trade. They erected last Summer one 400 ft. house and eleven 100 ft. houses and are going at it again next Summer. This firm is cutting some fine Carnations.

The Currie Bros. report having had an exceptionally good bulb business.

Alex. Mathers is back at Currie's after a three years' absence, coming from Thorburn's, New York, here.

That the C. C. Pollworth Co. are coming in for their share of the business here is very evident by the busy aspect of everyone about their store. J. M.

Kalamazoo, Mich.

The outlook for Christmas trade is good. So far the weather has been fine and shipping orders are being booked right along in such quantity that it is already a certainty that late orders will have to be cut considerably or refused. Stock has come along as well as expected but in some lines will be very short. Prices will be rather high but the quality is certainly O. K.

Shipping prices are quoted as follows: Am. Beauty, $3 to $10 per doz. with a few specials at $12. Teas from $6 to $15. Carnations, $6 to $8, reds, perhaps, $10. Lilies, $15. Violets, $2. Sweet Peas, $2. Valley, $4 to $5. Adiantum, $1.00.

Retail quotations: Roses at $1.50 to $3. Am. Beauty, $4 to $12 per doz. Carnations, 75c., $1, $1.50 per doz. Violets and Sweet Peas, 35c. per bunch. Valley and Narcissus, 60c. and 75c. per doz. Lilies and Poinsettias, 20c. to 25c.

Pot plants are in ample supply and range from Primulas, Cyclamen, etc., from 25c. upwards; Azaleas, Palms, and that line, $1.50 to $7 each. Holly wreaths sell well at 25c. Christmas bells and wreaths of Boxwood are popular at $1. Holly seems generally satisfactory in quality this year. The smaller growers are cutting a moderate amount for the holidays and at the increased prices will most likely do as well as usual.

Van Bochove's are fortunate to have a large cut of long Am. Beauty which wholesales readily at $10 per doz. The firm has already booked orders for several 2000 lots of Carnations and Roses in like amount and, as their crops are coming along nicely, doubtless this will be a banner year with them.

Fisher's have already good orders booked and are carrying a large line of cut flowers of all kinds; they promise to take care of all orders.

The stores are all well decorated and things are on the boom. S. B.

Advertising in the F. E. brings best results.

Prepare For The Holidays



HOUSE OF ARAUCARIAS

LEADER in Ferns

Scottii, Whitmani Boston

6 houses stocked with the choicest; never better than this year. We had especial good luck raising them this Summer, 5½, 6, 7 in. pots at 40c., 50c., 75c. to $1.00 each; as big as a bushel basket for $1.25. 1 doz. or over, same rates.

LEADER in Palms

ARAUCARIAS OUR SPECIALTY

25 years of experience in importing, growing and shipping of this so much sought for evergreen decorative plant brings us above all. We have reached tha top of the pole, and thera wa are—can't go any further.

WE REACHED THE CLIMAX IN QUANTITY, QUALITY AND PRICES.

LOOK! We sell you an **ARAUCARIA EXCELSA** as big as an elephant, 4 to 6 tiers, 20 to 25 in. high, 6-in. pots, for only 60c., 75c.; a jumbo for $1.00 and a holy terror for $1.25 to $1.50.

We have **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA** to beat the band. Where will you go to do better? It is of no use to waste your time; come or write direct to Godfrey Aschmann, the bargain man of Philadelphia. You all know he is interested in you and buys for you tha best stock at cheapest cost price abroad—in Ghent, the happy land of Belgium, the paradise of Araucarias. And just think, all for your sake! We sell you one of these beauties, **ARAUCARIA ROBUSTA COMPACTA** and **EXCELSA GLAUCA**, a perfect picture of art. You can't draw it or paint it any better. Look, for one-half the value, for only $1.00, $1.25, $1.50 to $2.00 each.

KENTIA Forsteriana, 4, 6, 7, in. pots, 20, 25, 30, 35, 40, 45 in. high, 75c., $1.00, $1.25, $1.50, $2.00, $2.50 each.

KENTIA BELMOREANA, six good leaves, 6, 7-in. pots, 30, 35, 40 in. high, 75c., $1.00, $1.25, $2.00, $2.50 each; large 3-in., 20c. Combination Plants, 6-7 in. pots, three plants in a pot, 30, 35, 40 in. high, $1.25, $1.50, $1.75 to $2.00.

COCOS Weddelliana, 12 to 15 in. high, 15c., 20c., 25c.

NEPHROLEPIS Whitmani, Scholzeli, Scottii and **Boston**, extra good value, 5½, 6 and 7 in. pots, 35c., 40c., 50c., 75c. each.

NEPHROLEPIS Todeaoides, 2½-in., 6c.; 3-in., 8c.

NEPHROLEPIS Giatrasii. This is a new Fern, resembling the Scottii, only shorter and bushier, 5¼-in. pots, 40c., 50c.; 3-in. 25c.

FERNS for Dishes, a good assortment, 2½-in., $4.00 per 100.

PRIMULA Obconica, our well known best strain, 4-in., in bloom, 15c.; 5-in., 16c.; 6-in., in bloom, 25c. to 35c.

PTERIS WILSONI, a popular and showy Fern, 6-in. pans, 25c., 35c., 40c., three plants in a pan.

LATANIA Borbonica, 6-7 in. pots, 30, 35, 40 in. high, 50c., 75c. to $1.00.

HOLLY FERNS, 4-in. pots, 25c. Please state if shipped with or without pots.

Cash with order, please. All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(142) **Getting Strong Stems on Roses.**—I have read with much interest Mr. Holmes' articles from time to time, and they seem to me so practical, and you seem so willing to impart information which is of value, that this has encouraged me to ask you about the following: The section of my greenhouse which contains Roses is about 40 ft. long and 20 ft. wide, and I have a number of the usual varieties growing there. The foliage is in good condition, the evidences of growth are very apparent, and the plants are of good size for this time of year. The soil is a loam from rotted sod, in which I mixed bone dust and cow manure, and also quite a quantity of clay, so that the soil might not be so open. No one here seems to be able to grow good Roses and some of the florists have given it up entirely. A short distance away, in Summit, Short Hills, etc., they seem to be able to grow the best Roses in the country. The trouble here is, doubtless, largely one of soil, but the air and other conditions may have something to do with it. I get a fair number of flowers, but the stems are by no means as strong as they should be, although the length of the stems is very fair. I have given the Roses a light dressing now and then of bone dust, and now and then some manure water, but nothing excessive. I have used no soot or wood ashes. Have you anything to suggest which will strengthen the stem? That is the principal difficulty at this time.—H. R. H., N. J.

—I would use lime. A good land lime may be bought in 100-lb. bags at from fifty cents to one dollar per bag, according to freight charges. Fresh lump lime may be slaked by placing one bushel of it in a pile outdoors; pour over it five gallons of water, and cover with moist loam. In a few days it will be fine enough to use. Reject any lumps which may be left. Air slacked lime may be used, but is not quite so good. Spread on as you would bone meal, and scratch over lightly as soon as applied.

E HOLMES.

(146). **Plants for Identification.**—C. M., New York.—The specimen showing orange-colored bloom is Gazania splendens; the green and white variegated foliage specimen without bloom is Mesembryanthemum cordifolium variegatum.

(147) **Chrysanthemum for Identification.**—A. C., N. J.—It is difficult to identify this belated bloom of Chrysanthemum. It may be Dr. Enguehard. It is regretted that we did not see a representative bloom so as to make the identification sure.

(148) **Trouble with Carnations.**—I sprinkled, very lightly, dry sheep manure through my Carnation beds, working it into the soil very slightly. After three or four weeks' time the top of the soil was literally covered with small, light colored worms, resembling maggots. Will these harm my Carnations? If so, what is the best method of destroying them? Also is it a common thing for sheep manure to breed these? My soil was not infested before using sheep manure.—C. A. W., Conn.

—Without seeing specimens of the worms in question, it is not easy to say what they are, but it seems probable that they are millepedes, and, if so, are not likely to do any injury to the Carnations, as it is claimed for the millepedes that they live on decayed vegetable matter only. Try fumigating on two or three successive nights with nicotine paper, and the insects will probably be killed. It is not likely they have come from the sheep manure though such a thing is possible. W. H. T.

(143) **Calla Elliottiana.**—We wish to learn some particulars concerning the yellow Calla, Calla Elliottiana. Is it of any value as a commercial cut flower? Will it bloom as profusely as the common white species? Is its season of bloom the same? What are its cultural requirements?—H. G. Co., Mich.

—The yellow Calla, Richardia Elliottiana, as far as our observation goes, is not much grown as a commercial variety.

(144) **Calla Richardia Africana.**—We have a small leanto house devoted to the common white Callas. We do a retail business and find we could use Callas in Summer for funeral work to very great advantage. Can we omit the usual Summer rest given these plants and cut blooms all Summer? Even if they were of poorer quality they would be acceptable. Would such treatment diminish our next Winter's cut provided we fed freely with weak manure water? If the bulbs must have some period of rest could it not be during Sept., Oct. and Nov. while Chrysanthemums are plentiful?—H. G. Co., Mich.

—The white Calla, Richardia Africana, will grow and flower continuously without resting if sufficiently fed. The rest of the Calla is an enforced one. In order to secure the most Winter blooms growers usually give the Calla a rest from about June 1 to Oct. 1. If Summer blooms are desired the Calla could be given a rest, as suggested in the question, from Sept. 1 to Dec. 1, but this treatment would make the Winter crop of blooms later, but not necessarily poorer in quality. If blooms are desired for both Summer and Winter use, it is suggested that a trial be made of growing the Calla without rest, and with proper attention to fertilization.

(145) **Bedding Plants for May 1 to May 15.**—Please give date, time for planting rooted cuttings, of Feverfew, Lantanas, Fuchias and Heliotrope in order to obtain blooming plants for May 1 to May 15.—E. S., Ohio.

—The cutting themselves should be put in the propagating bench in January so that the rooted cuttings may be potted up during February, if 4″ and 5″ pot plants are desired for May 1 to May 15; for 2½″ and 3″ pot plants later propagation will answer.

(146) **True from Seed.**—Will Tuberous Begonias and Lantanas come true from seed? How soon will Lantanas bloom if seed be planted Jan. 1?—E. S., Ohio.

—Tuberous Begonias and Lantanas cannot be depended on to come true from seeds. Lantanas from seeds planted Jan. 1 will bloom the Summer of that same year.

(147) **Is a Soap Spray Beneficial, and How?**—Do you consider soap good for spraying 'Mums, Carnations, Roses and Palms with? If it is a benefit to plants, in what way? A. M., R. I.

—A soap spray of about one pound of Ivory soap to twenty-five gallons of water, applied when warm, is beneficial to the plants named by destroying such insects as red spider, aphis, and scale. After the spray has been on about one-half day syringe the plants thoroughly with clear water. Why not try Aphine, or Nikoteen, and get immediate results?

South Orange, N. J.

Four generations were present on the afternoon of December 14 at the home of Joseph Bradbury, Irvington ave., South Orange, to pay respects to the aged floriculturist in honor of his ninetieth birthday. The nonagenarian spent the afternoon in receiving the congratulations of his relatives and friends and early in the evening a formal reception was held at which the principal decorations were of flowers grown in the aged man's greenhouses, to which he now devotes all his time despite his advanced years.

Among those present at the celebration this afternoon were Mr. Bradbury's six daughters and one son, eight grandchildren and two great grandchildren. Mrs. Bradbury died nine years ago and all the children of the couple are living excepting one son who died in infancy.

Railroad Troubles

The Omaha Bee relates some amusing experiences had by claim agents of railroads. The one which follows is particularly good:

A settler in the arid regions had filed on a Government "tree claim." To obtain the title it was necessary to plant a grove of trees. It was nearly time to prove his title. The inspector was due when fire from a locomotive caught in the grass and damaged his trees. He put in a claim for $1800. The claim department sent an adjuster to the scene. What desolation met his gaze! He felt a lump in his throat. The man deserved all he had asked. He walked among the blackened trees and wept over the settler's blasted hopes. Presently he was aware that aside from the fire, there was a strangeness about those trees. He was puzzled. He considered them attentively. He leaned against one of them, searching the key to the enigma. It tipped over. It had no root. He seived hold of another, it came up in his hands; he continued to pluck up trees till he was tired. The bogus trees intended to deceive the Government had been used to deceive the company. The claimant was confronted with his perfidy. He signed the adjuster's release for $17.50.

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Aphine

The Insecticide that kills plant Lice of every species

Messrs. Scott Brothers, Elmaford, N. Y., say: "Aphine is an effective and easily applied spraying remedy for Insects of all kinds, in which we have absolute confidence. We dipped all our cuttings in this Insecticide last year before putting them in the cutting bench and again before potting into first pots, and we were never freer from Insects of all kinds, particularly those troublesome little Thrips on Chrysanthemums. It is an effective remedy for scale on palms, crotons, etc."

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An infallible Fungicide for mildew and other fungous diseases. Particularly adapted for Greenhouse purposes.

A clean, safe and easily applied spraying material which does not stain the foliage.

$2.00 per gallon—75 cents per quart.

Manufactured by

APHINE MANUFACTURING COMPANY

MADISON, N. J.

Please mention the Exchange when writing.

Pittsburgh

Trade conditions were somewhat quiet the week before the Christmas holidays, and the prospects for Christmas trade are yet uncertain. If the weather should become somewhat better it would undoubtedly help trade; at present the outlook is rather gloomy as the thermometer is trying its best to reach zero with strong winds and snowstorms. Regardless of the weather, stock will be equal to the demand and prices about the same as usual. Roses seem abundant and may be a trifle lower than last season. Carnations will reach good prices, from the present outlook. Lilies have advanced the past week. Violets are a little higher. Bulb stock, mainly Paperwhites, will be plentiful. Most of the retailers have stocked up well with blooming plants, such as Begonia Lorraine, Cyclamen and Poinsettias. Some of the plants shipped into the city from distant points arrived in a frozen condition. Christmaa greens are plentiful; loads of stock were shipped to the commission houses, who are handling the bulk of this trade, which formerly was left entirely to the florists' trade. Trees are very plentiful. Holly and Boxwood are selling freely, sheet Moss is fine. Laurel and Ground Pine wreathing 3c. per yard up.

S. McClements, of Randolph & McClements, in the East End, stated that their trade the past two months had been exceptionally good, and orders are coming in lively for the holidays.

DeForest Ludwig, oldest son of E. C. Ludwig, the North Side florist, is home from Cornell to help along with Christmas business.

E. C. REINEMAN.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our newe columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 6 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

American Carnation Society

Registrations to Date

By A. Jablonsky, Olivette, Mo.—Variegated Enchantress, sport from White Enchantress. White with rose pink stripes; habit same as parent.

By J. R. Walling, Keyport, N. Y.—J. R. Walling, sport from Enchantress. Shell pink with deeper markings; habit same as enchantress.

Both of the above registrations are only provisional, being sports.

The rules require that blooms must be shown at the next meeting of the A. C. S. to allow the judges to pass upon them as to their distinctiveness.

A. F. J. BAUR, Sec'y.

Indianapolis, Ind., Dec. 17, 1910.

The Short Course in Floriculture at Mass. Agri. College

Program, Jan. 3 to 7, 1911

The program for the first week of the short course at Amherst, Mass., will consider chiefly problems in greenhouse construction. The first day will be occupied in a general outline of the course and a lecture on the location of the range.

On Wednesday, a representative from Lord & Burnham will speak on the Lord & Burnham type of construction, aided by lantern slides and reflectoscope pictures. The afternoon will be devoted to a study of the college range which was built by that firm. Ground plans and cross sections will be drawn and measurements taken of foundations, sills, eave plates, sash bars, rafters, purlins, etc., with notes regarding the methods of attachment of these.

On Thursday, Mr. L. W. Tuthill, of the Hitchings Co., will speak on their type of construction. The afternoon will be devoted to a study along similar lines as those of Wednesday, of the range connected with the entomological building. Later, a detailed study will be made of the range at Mt. Holyoke College. Both of these ranges are of Hitchings' construction. A part of Thursday afternoon will be devoted to painting and glazing greenhouse sash. Thursday evening there will be an informal meeting of the class for the purpose of discussing various topics considered in the floricultural trade papers of the present week.

On Friday, Mr. R. O. King will discuss the King construction types of greenhouse building. The afternoon will be devoted to painting and glazing hotbed sash.

On Saturday morning an excursion will be made to the Montgomery range at Hadley for the purpose of studying details of construction. This range was built by the King Construction Co. and is the largest commercial one in the vicinity. Outlines will be furnished for the trip. In the afternoon a ground plan and cross section of this range will be drawn.

These lectures and trips are open to any one especially interested in floriculture. It is hoped that if men are prevented from taking the whole course they may at least come up to the college for a week when special subjects are considered. Visitors will be cordially welcomed.

A Merry Christmas

To subscribers, advertisers, friends and well-wishers—as well as to our enemies, should we have any—we wish, without reserve, for one and all, A Very Merry Christmas. To those in trouble and to those over whom the clouds may appear to be gathering, we urge that they put to one side, for 48 hours at least, all carking cares and real or apparent causes for worriment; the temporary relaxation will do them good, brace them up and give them renewed energy wherewith to overcome all difficulties, the real as well as the imaginary.

The Two Great Reforms We Urge

The Adoption of a Really Efficient Parcels Post
The Abolition of the Free Seed Distribution

Free Seed Distribution will, in 1911 and 1912, in a Congress made up of representatives pledged to the more careful handling of the people's money and of men who stand nearer to the common people we believe than has been the case for a generation or so, stand a better prospect of being knocked on the head entirely, or of at least being turned back into its original channels. The principal requirement just now is a stout champion or two who will enlist for the good fight.

This is an opportune moment for the seedsmen of the country to again unite in the endeavor to crush an unwarranted perversion of a law originally good. As has been often said, our representatives, the men we elect to serve us, have no more right to distribute common garden seeds than they have to pass out boots, shoes or grocery supplies. The sooner all the people awaken to this fact the more quickly will this congressional privilege (looked upon by too many as a vote controller) be done away with.

The inauguration of a trial Parcels Post system seems nearer today than has been the case since 1880, up to which time—before it let in the Express Companies—the United States Post Office had the small package business to itself and had not recorded a deficit in twenty-five years.

Speaking for our own interests, if the florists themselves, those who now do a mail business, and those who could do a mail business if they tried (and this means practically every grower in the country), realized the value of an efficient Parcels Post in the carrying on and development of such a line, understood how it would enable them to deliver plants and cut flowers to customers quickly, safely, and at a reduction in cost of from 25 to 50 per cent. over that of the present express rates, they, to a man, would be insistent on the immediate adoption of this much to be desired business facilitator.

Write your Congressman in the matter, tell him you want him to vote for Parcels Post; tell him why. Find out how he stands. A few thousand aggressive letters, politely written but unwavering on behalf of a needed reform, will convince legislators of the popularity of the demand. One cannot expect something without working for it. And the way to influence the indifferent Congressman is to instill the fear in his heart of losing his seat through his indifference to the wishes of the men who elected him.

A Florist Not A Merchant

In The Florists' Exchange of October 29 last the following item appeared:

"According to the Delaware, O., Gazette, Attorney General Denman has decided, for the benefit of the new State Tax Commission, that a florist is not a merchant, but rather is in a class with manufacturing or other producers. The taxing authorities at Washington Court House have Mrs. L. Buck, who runs a greenhouse, down on the tax duplicate as a merchant, and her flowers and plants as merchandise. She is not a merchant, because she does not buy anything; everything she had, she had produced, says the opinion."

The subject evidently proved of interest to many in the trade, as we received several inquiries on the subject, asking for further information. Through the courtesy of Attorney-General Denman, of the State of Ohio, we have been favored with a copy of a letter written by that gentleman in reply to a letter from the Tax Commission of Ohio asking for the opinion in the case, which letter we here present:

Columbus, Ohio, October 5, 1910.

The Tax Commission of Ohio, Columbus, Ohio.

Gentlemen: Your communication of recent date is received, together with copy of letter from the presideot of the Board of Review of Washington Court House, Ohio, upon which you request my opinion. The letter is as follows:

"Mrs. L. Buck, florist, by reason of annexation of territory, now makes her first return for taxes in the city. She has never made any return of averaged merchandise. She propagates her own plants, but buys very little for re-sale; her establishments cover some four acres, from which she subsequently replants and pots her flowers and takes them into her greenhouse. In the Winter, for instance, she will 'slip' some ten or fifteen thousand Geraniums and place some in pots; some 60 per cent. of these will later be marketable at from four to seven cents per plant.

"Should there be a return by her as a merchant, in view of the fact that section 5381, defining a merchant, seems to contemplate that the personal property has been purchased with a view to being sold at an advanced price or profit.

"We understand this question to be litigated in Clark County."

In reply thereto I beg leave to submit the following opinion: The question involved here is whether the florist named in the above quoted letter is a merchant within the meaning of Section 5381 of the General Code, and must therefore make a return of her merchandise for taxation as provided in Section 5382 of the General Code. Section 5381 of the General Code reads as follows:

"A person who owns or has in possession or subject to his control personal property within this State, with authority to sell it, which has been purchased either in or out of this State, with a view to being sold at an advanced price or profit, or which has been consigned to him from a place out of this State for the purpose of being sold at a place within this State, is a merchant."

The Supreme Court, in the case of Eagle vs. Sohn & Company, 41 O. S. 691, at page 694, in pointing out the distinction between a merchant as defined by Section 5381 of the General Code and a manufacturer as defined by Section 5385 of the General Code, used the following language:

"In both definitions there is the common element of purchasing personal property, with a view of making a gain or profit. But the definition of a manufacturer contemplates the attainment of such object by adding to the value of the property after purchase, by some process or combination with other materials, while the merchant is supposed to get his advanced price or profit by selling the article as it is, without subjecting it to any change by hand, by machinery or by art. The material entering into the manufactured article may be modified, more or less, in its identity, as it passes through the several stages of a manufacturing process; but the merchant deals in the manufactured article itself, or its constituents, by buying and selling them in the same conditions in which he purchases them. His business is that of exchanges, and not of making or fabricating from raw materials."

In the above quotation the Supreme Court has specifically pointed out the distinctive features of the occupation of merchant within the meaning of Section 5381, *supra*, and I do not think that the florist in question can be held to be a merchant within the meaning of Section 5381 of the General Code as the same is interpreted by the Supreme Court in the above quotation, for such florist, I take it from the letter which you enclose, propagates her own plants from the seeds and does not buy plants for the purpose of re-sale at a profit. Under such circumstances it seems to me that should she be held to be a merchant within the meaning of Section 5381, then all market gardeners and even, perhaps, farmers must be held to be merchants, a thing clearly not contemplated by the Legislature in the enactment of Section 5381.

I am, therefore, of the opinion that the florist in question is not a merchant within the meaning of the above mentioned section, and, therefore, is not required to make the return provided for by section 5382 of the General Code.

I am unable to find any report of any decision of a case involving this question, either arising in Clark County, as suggested in the letter from the president of the Board of Review, or any place else.

Yours very truly,
U. G. DENMAN, Attorney-General.

A Correction

On page 1062, issue of Dec. 10, in article entitled "A Rockery as a Commercial Feature," second column, final paragraph, instead of "then, too, in the Fall one can plant in the space where many perennials are," read "one can plant in the space lately occupied by annuals."

S. A. F. and O. H.

Department of Registration

As no objections have been filed, public notice is hereby given that the registration of the Canna Olympic, by the Conard & Jones Co., West Grove, Pa., becomes complete. H. B. DORNER, Sec'y.

December 15, 1910.

Society for Horticultural Science

The Society for Horticultural Science will hold its next annual meeting at Tampa, Florida, on Feb. 9, 1911, the day preceding the meeting of the American Pomological Society, which convenes there Feb. 10-11.

College Park, Md. C. P. CLOSE, Sec.-Treas.

Malus Floribunda Purpurea

Under this name, Barbier & Co., well known nurserymen of Orleans, France, are putting upon the market a new ornamental Apple tree, which they describe as follows: "This is the reddest of all the ornamental Apple trees, the result of a cross of M. fl. atrosanguinea and M. Niedzwetzkiana. From the latter it has derived the purple foliage and the bright red of the flowers, while from the former its abundant inflorescence. The flowers are large, single, crimson or bright cerise; the stamens are pink, with purple thread; the bud is blood red. The purple bronze of the young leaves deepens into dark green bronze as they mature. The wood is purplish blood red just under the bark and pink inside. The fruit, coming in clusters of from 2 to 5, is about the size and color of that of Prunus Pissardi, dark blood red, changing into scarlet red in the Fall. The plant is vigorous in habit and an early bloomer, hence splendid for forcing. Its general effect is superb."—*Revue Horticole.*



OUR READERS' VIEWS

Describing the Colors of Flowers

Editor of The Florists' Exchange:

I was interested in reading the article with above caption, page 1006, in your paper for Dec. 3. I am a sufferer of long standing from the lack of a standard for color among nurserymen and the department that makes up the catalog. Women, painters, dress goods manufacturers, and florists have entirely different ideas of the same color so, when you struggle for a color scheme in the garden, you find, too late, the difference in opinion about amethyst blue, for instance. How simple it would all be could one consult a color sheet attached to the catalog, and thus see just what that catalog maker's idea of amethyst blue was. Miss Sedgwick's book has the idea and this feature makes it of great value to garden lovers. The catalog of today is more valuable than most works on flowers and it seems singular that, for lack of such a simple addition to its makeup, a standard is not adopted by the best known nurserymen and incorporated in their catalogs, thus increasing their value by triple.

From another article in your paper I understand the French Chrysanthemum growers have such a color scheme, recognized by all others. In that case, if the standard has been established, it remains only for some farsighted firm to introduce it in their catalogs.

N. Y., Dec. 10, 1910. C. C. BROWN.

[The French color scheme alluded to may have a value in France, but we doubt it. We feel assured it would not meet recognition here. Of itself it is quite a high priced book but, being a letterpress work, the color tones will be found to vary in each book according to the amount of ink laid on for each impression.—ED.]

A Plea for the Daphne

Editor The Florists' Exchange:

When the trend of the times is for old-time novelties, did it ever occur to the thinking florist why it is that the once popular Daphne odora is never mentioned now and its name never seen in the trade papers? This once popular flower, so often mentioned in prose and verse, when its popularity was undisputed, should not have been relegated to the has-been class, for all who know it are aware that in fragrance and keeping qualities it is unsurpassed, and that its foliage of glossy green is almost as attractive as the bloom itself. The Daphne in flower, surrounded by its beautiful glossy foliage, is surely a sight to impress all who once gaze on a well grown plant. The fragrance which permeates the atmosphere wherever a Daphne plant is found, must make one love it for that quality alone.

As a potted plant during the Winter season the Daphne is unsurpassed if one desires a plant whose blossoms will last a long time and which will diffuse a pleasing fragrance as well as provide an esthetic feast. There is no question in the writer's mind but that the Daphne will, in a few years, become as popular as it was formerly, and those who now have a stock of the plants on hand will be the gainers thereby, for it takes considerable time to grow a stock as they are slow to propagate. It seems as though there was a good thing in store for the first leading retailer who will show the good qualities of the plant to the buying public and who has a stock to fall back on. Why don't some of those dealers who are looking for novelties to offer the buying public investigate this opportunity of placing before the people a novelty that will advertise itself if given the chance? It seems that before any great length of time has passed this once popular favorite must again come into its own as a potted plant and also as a cut flower, and the sooner the better so far as satisfying the buying public with a fine, lasting flower is concerned. A FRIEND OF THE DAPHNE.

Dahlias—Lateness in Blooming

Editor The Florists' Exchange:

From time to time there has appeared in the trade papers articles and notes on Dahlias, wherein more or less complaint has been made of plants blooming late or not blooming at all. I think that a majority, if not all of such complaints have come from Eastern States, notably New England. I am curious to know the reasons for these complaints, which seem to be well founded. I have often seen the statement that the Dahlia was a September and October flower. I believe it to be quite true that the Dahlia reaches its greatest perfection as the days and nights become cool, and approaching the time of frost—excepting perhaps in the matter of size. But I am at a loss to understand why a Dahlia that has had a fair opportunity should fail to bloom until September, much less October.

In this State—Colorado—and throughout the West I have never heard such complaints excepting from high altitudes, above 7,000 feet. We plant earlier out here than is commonly practiced in the East. With many, dormant tubers are planted as early as April 20, and an average planting season would be from April 25 to May 15. June 1 is considered the limit. But from personal experience I know that even late June planting gives fair results.

Frosts are common here during all the month of April and until about May 20. The rule in planting is to give the Dahlia all of the growing season—that is, to have the growth coming through the ground just as soon as frosts are past, allowing about three weeks from planting to the time when the green shoots appear. Stock so planted comes into bloom from July 1 to July 20, and plants are usually considered to be at their best from August 20 to September 10.

The annual show of the El Paso County Horticultural Society is held at Colorado Springs each year during the third week of August, and Dahlias from various parts of this State are among the chief attractions of the show, and, generally, the date strikes the Dahlias about in their prime—perhaps a little early for some of the late bloomers, but a later date would be a little too late for some of the early bloomers.



An Ice Fountain in a Public Park at Erfrut, Germany—*See page 1170*

Now, the question arises:

Why should this portion of the country mature Dahlia blooms so much in advance of the East, when vegetables and Summer fruits are matured in advance of the same varieties out here in the West? Is it due to early planting, climate; or is the trouble in the East traceable to insects destroying the early buds?

Another fact worthy of mention is that there is no difference here in the time of bloom for Cactus varieties and the other types. I have often seen the statement that Cactus varieties were late bloomers.

Who will solve the problem? W. W. WILMORE.

Denver, Col.

The George Robert White Medal of Honor

Editor The Florists' Exchange:

I was delighted to see in your issue of Dec. 10 pictures of the George Robert White Medal of Honor. I had heard much about this handsome medal for the past year but had no knowledge as to whom it was to be awarded to until I read in the EXCHANGE that Mr. White had given the Mass. Hort. Society a substantial fund, the income of which is to be devoted annually for the specific purpose of providing a most desirable gold medal to be awarded to the man or woman, commercial firm or institution in the United States that has done the most during the year, or in recent years to advance the interest in horticulture in its broadest sense.

I will be much interested to note if the executive officers of this fine old Society are cognizant as to who is doing the greatest work in horticulture in this large country. They have no small task before them and we hope they will give it serious thought so that there won't be any reflection or discredit cast upon our grand, old Society, of which all are so proud. They must remember that not only are all the horticulturists of this country eagerly watching them, but also all horticulturists the world over are interested. It will take time to find out who is doing the best work. There are many men among the commercial craft who have done exceptionally good work. Men can be picked out from among the Carnation growers who have raised plants which have produced millions of money to the florists all over this country. The same may be said of our Rosarians. Many gardeners have done remarkably good work. In the far Northwest, and in other parts of the country, many men could be found who have done much in improviag various fruits. Therefore, I would repeat again, that the awarding of this medal is a serious undertaking, and one needs be well posted to determine who is doing the greatest work in horticulture at this time.

The article in the EXCHANGE states that the figure on the medal symbolizes not so much the ordinary horticulturist as it does the scientific intellect whose aim is to improve Nature, even to create, if that is possible. I quite agree with the writer that the figure resembles much more the young horticulturist of today than the old time gardener. In the first place, the man who is represented on the face of the medal is down on his knees putting his plant into the ground. I remember well many times when my back ached from bending over, putting in plants, and on no account was I allowed to take the position of the figure. If there is much work to be done I still believe the old way the best.

Another point that could be raised in this case is as to whether it is right to award this medal to a person who is at the head of an institution or commercial firm, as the donor says that it can be awarded to a man or woman, or commercial firm or institution. I would like to suggest that the medals be awarded not to a person who is at the head of an institution or commercial firm, but to the institution or commercial firm itself, then all in that institution or commercial firm would partake of part of the glory of winning the medal.

Let us have a roll of honor from all over the country so we may know who are in line for this great prize.

AGE QUOD AGIS.

Coloring in Orchids

Editor The Florists' Exchange:

The note in your last issue, on the curious effects of the crossing of Cattleya Dowiana the second time with C. Bowringiana, the result being added intensity of color, while seemingly strange, is quite in line with the experience of other operators, some of whom, however, were working to eliminate color. Very few of us are so fortunate as to produce a plant of such beauty as the now well known Cattleya Dusseldorfii var. Undine. This must have been the result of crossing two varieties that were absolutely pure white, otherwise, so far as my experience goes, the least trace or taint of color is diffused or perhaps accentuated in the offspring. Somewhere, back of a poor variety, there were good ones—and a long way back seemingly—also back of a specially good form there were poor ones, and this not so very far. Back of the Albinos—pure white—there seems to be no pedigree, they simply happen, are unaccounted for, and can be reproduced true to themselves or used as parents with like results, provided there is no other color than white in either. But, given the least taint of color, we may reasonably expect this to increase to a surprising degree. The least trace on the lip of one parent may be suffused all over the flower of the hybrid or it may appear again as a deep rich blotch on the lip, or just a suspicion or penciling of color.

Of Cattleya Thayeriana, 76 plants were raised and flowered out of the one sowing of seed, and the great divergence of form and color never ceased to fascinate the raiser; had he not known the authenticity of the circumstance, he would never have been able to connect some of these; all the missing links were present.

A pure white Cattleya Triane with just a suspicion of pink on the lip, seen only when the flower had been exposed to strong light, was crossed with Brassavola glauca. Only one seedling lived long enough to bloom, and this was wholly of a pale, pearly pink, the slight taint had proved sufficient to submerge the green in the latter parent and suffuse the white of the Cattleya.

In the last issue of the Orchid Review we read of the reproduction of Cypripedium insigne Sanderæ from seed; the few very faintly marked spots in the original were increased in some cases to eighty, while in one case at least these spots were absent, seedlings raised from this last may prove like it, but, so far as the writer remembers, there are no known instances of true albinos being raised in cultivation when either parent possessed color.

To accentuate color, however, is easy, because the same is transferred from the lip to other parts of the flower; and the yellow of C. Dowiana is easily submerged in the pink or lavender—call it what you will, it has never been well defined yet—of the other parent.

If there is anything in the "Mendelian theory," operators among these plants should be able to prove it now, for no other class of cultivated plants has been so wonderfully developed by artificial means, or rather, under artificial conditions, as the Orchids. We still wait patiently for proof that Mendel was right, but the operator must begin with well defined species; too many have tried with plants known to be mixed already. We used to consider a plant from its native woods a species; we now know that Nature has been hybridizing for ages with this family, and has even produced bi-generic hybrids.

John Coulson has received Begonia seeds from South America that showed, when plants were raised, that plenty of mixing had been done in connection with what he supposed was a new species when received.

E. O. ORPET.

Postal Reform League Mass Meeting

At a mass meeting to be held at Cooper Institute, Thursday, Dec. 29, at 8 p.m., on behalf of an extended Parcels Post, the speakers will be F. O. Beach, president of the Postal League; J. L. Cowles, secretary and treasurer thereof and a candidate for the U. S. senatorship for New York; Miss O'Reilley, representing the Woman's Trade Union League; W. J. Coakley of New York; Herbert Collingwood, editor of the Rural New-Yorker; Mr. Burkett of the American Agriculturist, and others.

Frozen Fountains

Frozen fountains or ice pyramids have been a popular ornament for the last few Winters in the public parks of the city of Erfurt, Germany. The manner of making them is described by the city gardener of Erfurt in a recent issue of Moeller's.

A Pine or Fir tree of the desired size is selected and set into the basin provided with a stand to keep the tree from falling. The waterspout in the center of the basin is then connected with a pipe which reaches to the tip of the tree and no further, and of a diameter corresponding to local conditions; it should taper at the top, or be so arranged that a rose sprinkler can be screwed on. It is then firmly fastened with stout wire to the tree. The sprinkler must be flat and broad, so that the water may play over all parts of the tree. The smaller the holes of the sprinkler, the finer will be the form of the fountain, for the water must pour down through the tree in a half frozen state, if the work is to be successful. With a coarse sprinkler the flow of the water would be too strong, and ice would form only at the outer edges of the branches, while those parts of the tree getting the full stream would not be coated. Moreover, the work could then be done only on a very cold night, while, with a fine sprinkler, 25° to 27° Fahrenheit are sufficient, that is, from 5° to 7° below the freezing point.

The cock is opened toward evening, so that the tree becomes frosted during the night, and it is again closed the following morning at sunrise. At the same time the discharge cock must be opened, so that the water will not freeze in the pipe. Specially fine sprinklers should be removed each time, as the small holes easily freeze over. At 14° to 18° Fahr. three nights are sufficient to produce a massive ice pyramid, which will keep for some days even after a thaw.

The fountains in the Erfurt parks are about 15 ft. high. At first Firs were used, but now Pines are taken, as these latter give more characteristic forms. Any bare places in the tree may be filled up with loose branches, which need not be fastened in as they soon freeze together with the other branches. The drain of the basin must, of course, be kept open, so that the cement may not suffer.

Last year the effect of the pyramids was heightened by white and colored electric light bulbs, which were allowed to freeze in; they were protected from breaking by being enclosed in thick glass balls.

While opinions may differ as to the artistic value of these fountains they certainly greatly interest and delight the townspeople.

Obituary

Philip Strubler

Philip Strubler, a nurseryman of Naperville, Ill., died at his home in that town on December 10, aged 78 years. When five years old he went to Naperville with his parents from Warren, Pa. He was sheriff of Dupage County from 1866 to 1867, and afterward postmaster of Naperville in the Arthur administration, and had filled other public offices. He spent practically his whole life in Naperville, with the exception of five years in California. He was twice married and is survived by a widow, two sons and a daughter.



The Late J. William Colflesh

Anthony Wiegand

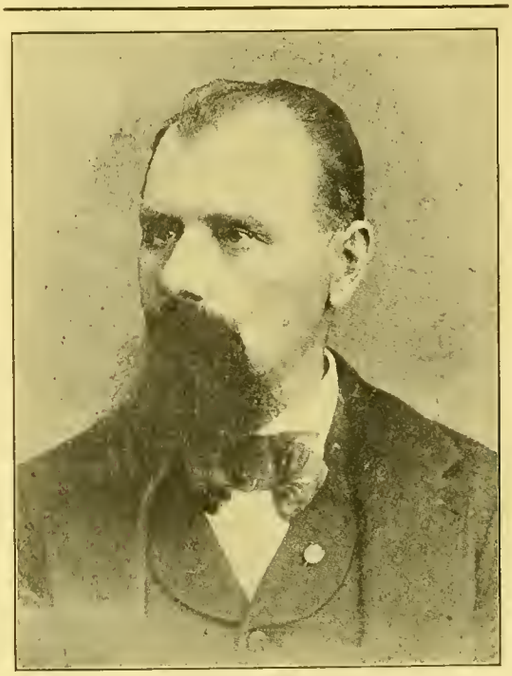
The death of Anthony Wiegand of Indianapolis, from paralysis, is announced as we go to press. He died at his home, 1620 North Illinois st., Dec. 19, at 4.45 a.m., where was also located the superb retail store and large range of greenhouses carried on under the firm name of Anthony Wiegand & Sons. The deceased was 78 years old.

After spending the years of his apprenticeship as a landscape gardener in Germany, where he was born April 25, 1832, he came to the United States when 18 years old. For four years he followed landscape gardening and then embarked in the flower business at Kentucky ave. and Missouri st. In 1879 he removed his greenhouse to 1610 North Illinois st., continuing as sole proprietor until 1900, when he accepted his two sons as partners and adopted the present name of the firm.

Last June he observed his fifty-third business anniversary. In the last twenty years he had traveled extensively. He was a member of the Odd Fellow and RoyalArcanum Lodges and of the Commercial Club.

He married Miss Katherine Kreiss, a native of Germany, in 1865. He is survived by his widow and two daughters, Annie and Bene, and two sons, Homer L. and George B.

The funeral services were held on Wednesday afternoon, Dec. 21, at 2 o'clock, at the residence, with the Rev. Joshua Stansfield, pastor of the Meridian Street M. E. Church officiating. Burial was at Crown Hill Cemetery. All services were private.



The Late Joseph F. Klimmer, of Chicago

Obituary notice will be found on page 1127, Issue of Dec. 17

Mr. Wiegand was remembered with beautiful tokens from his florist friends, who extend their sympathy to the family and will always remember with respect the one who strove so earnestly and so long to place his chosen profession on the plane it has at this time reached. He was one of the old guard whose lives should be a fitting example for the younger florists who would succeed with honor.

J. William Colflesh

We regret to announce the death of one of Philadelphia's best-known florists, J. Wm. Colflesh, who passed away at 10 a.m. on Thursday, Dec. 15. Mr. Colflesh was taken ill at noon, Dec. 6; two days later he was conveyed to the Presbyterian Hospital and there underwent an operation for strangulated hernia; a second operation followed a few days later, after which septic pneumonia developed, resulting in his death. The deceased was born on July 10, 1852, in Philadelphia. His father was John G. Colflesh, and his mother's maiden name was Henrietta S. Holland. On his mother's side he was the grandnephew of the botanist, John Bartram. He was educated in the private schools of his city.

At the age of 19 he started in business in Philadelphia as a florist with two small greenhouses, and was one of the pioneers in that line. It may be said that, by careful culture and selection, he perfected the General Jacqueminot Rose. He was one of the first growers to produce Carnations of size and quality, and was the author of a paper on Carnation culture. He was a member of the Philadelphia Florists' Club, of which he was treasurer for many years, and also on the Novelty Committee of that Clob. He was also a charter member of the Pennsylvania Horticultural Society and chairman of its Plant Committee.

Aside from his prominence in floriculture, he was a member of the F. & A. M. Washington Lodge, No. 59, also of the Mary Commandery, and of St. John's Chapter. J. William Colflesh was a man of sterling character and noted for his ability and determination in overcoming difficulties. He was one of those men who helped develop the florists' business from one of mediocre standing to the dignity of a profession.

He is survived by a wife, two daughters and three sons. It was his desire that his sons, J. William, Jr., Clarence Benjamin, and David Ettwine, continue the business, at 53d st. and Woodlawn ave., in accordance with his principles and teachings. He was buried with Masonic honors at 2.30 p.m., Dec. 19, from his late residence. The interment was at St. James' Churchyard of Kingsessing. The funeral was very largely attended by the craft. The floral pieces which surrounded the casket on every side were numerous and beautiful. The pallbearers were George Craig, George Anderson, Wm. K. Harris, Jr., Wm. E. Gaunt, Walter E. Duncan, and Dr. Lennox Dix, who took his father's place, owing to the latter's illness. It is the universal expression of the craft that in the passing away of J. Wm. Colflesh a good and useful man has gone to a deserved rest.

Resolutions passed by the Philadelphia Florists' Club in memoriam of Mr. Colflesh will be found in our Philadelphia news letter.

The Passing of the Buists

With the death of Robert Buist in Philadelphia, recently, practically ends a family which had done much for horticulture in America. While the Robert Buist Co., which today represents the business of the Buists, will, undoubtedly, enjoy a prosperous career in the years to come, the Buist personality has gone forever, Mr. Buist leaving no male issue. Apropos of his decease, the following, taken from the Gardeners' Monthly, an issue of 1880, and written by Thomas Meehan, State Botanist of Pennsylvania, and a noted author of horticultural works, is interesting as dealing with the work of the founder of the house of Buist, the father of the recently deceased gentleman:

"On July 13, 1880, died at Rosedale, Philadelphia, Robert Buist, aged seventy-five years. Horticulture does not yet know the full value of the friend it has lost. When John Bartram was wandering through the wild forests, risking his life among savage men and savage beasts, all for the love of flowers, he received no sympathy from any neighborly friend. He complained to his friend Catcott that he knew not of a solitary one who would walk a mile with him. Now, as we look back on the proud position which he occupies as the great patriarch of American Botany, there are thousands who feel that they would gladly have accompanied him and felt proud of the honor. Just so will future generations feel towards Robert Buist. The present generation knows a great deal of what he has done for them, but the full value of it will grow brighter as time rolls along.

"Mr. Buist received his first training in the Botanic Gardens at Edinburgh, Scotland, and at the celebrated country seat of the Earl of Harrington, Elvaston Castle. * * * It was in 1828 that Mr. Buist settled in Philadelphia, and from that time dates the tremendous strides that horticulture has taken in this country. He first located at 12th and Lombard sts.; later moving to 84 Chestnut st.; then 97 Chestnut st.; then to 922 Market st., the growth of the business reqniring larger and larger quarters. Among the plants with which the name of

Mr. Buist early became identified, none took a higher place than the Rose. This flower was early adopted as the trademark of the establishment, and is still retained in that connection. Among the earliest importations was the Noisette, Jaune des Prez, on which the firm cleared a profit of a thousand dollars the first year, which was considered great things in the early thirties. Much good work was done also with the Camellia and the Verbena. The first of the garden Verbenas (V. Tweediana) was imported from Buenos Ayres in 1834 by Mr. Buist, who at once commenced its improvement, and with such success that his seedlings were in immense demand, not only in this country but in Europe. The famous varieties, Hendersoni, McAraniana, Buisti, were all seedlings of his. It may here be noted that it was through the Verbena that a correspondence took place between the writer of this sketch (Thomas Meehan) and Mr. Buist, which finally led to his coming to America. It was the Buist work on the Verbena that first led to the introduction of bedding plants, now a very extensive and distinct class. Large numbers of rare plants were not only introduced for the first time by Mr. Buist, but came to him from other countries, and sent by him for the first time to flower lovers in the old world. Poinsettia pulcherrima was his primal introduction, obtained through the Mexican minister, Mr. Poinsett; and the double form which has recently appeared and is now so popular was introduced into Europe by him. "It was," he said to the writer, "probably the first time in the history of the world that a sale of a flower was made by ocean telegraph." * * * Probably the last sale he ever made to Europeans was the whole stock of a pure white Azalea of his own raising, which sale he made in the Spring of 1880—the year of his death. * * * Mr. Buist was well known everywhere by his writings. His "Rose Manual," his "Family Kitchen Garden," his "Flower Garden Directory" were in their day among the most popular of practical garden guides. He was a warm friend of the famous A. J. Downing, and helped and encouraged him greatly in his ventures in horticultural literature. * * * Those in need of skilled advice looked to him in time of need to an extent that few can now have any conception of. It was a happy thought of Col. Marshall P. Wilder, who said in presenting the memorial resolutions of the Massachusetts Horticultural Society: "He not only introduced rare plants—he introduced rare men: a double service."

Gardeners and Florists' Club of Boston

A regular monthly meeting of the Gardeners and Florists' Club of Boston was held at Horticultural Hall on Tuesday evening, December 20. There was a large attendance, the chief attraction being the election of officers for the year 1911. There were nine new members elected and each meeting sees its quota added to the already long membership list.

After the regular routine of business, the voting, which was by Australian ballot, took place and the following officers were elected: Peter Miller, president; Thomas Pegler, vice-president; Wm. N. Craig, secretary; Peter Fisher, treasurer. The following were candidates for election to the executive committee: Albert Batley, Robert Cameron, William Downs, Wm. E. Fischer, John F. Flood, J. W. Gleason, J. P. A. Guerineau, Eber Holmes, Wm. J. Kennedy, Thomas Roland, and Arthur E. Thatcher. Election resulted as follows: William Downs, Robert Cameron, J. P. A. Guerineau, William J. Kennedy.

While the ballots were being counted Ex-president William Downs gave a most interesting talk on his recent trip to England. He visited many of the larger estates there and gave fine descriptions of many. He spoke very entertainingly of the way horticultural establishments were carried on there. Although Mr. Downs had his lecture written, his delivery was extemporaneous, and his talk most interesting. During the discussion Fred Palmer ridiculed the way they tap the pots in England when they wish to know if a plant requires to be watered, and said that the right way to water plants in pots was with water from a hose, as done in this country. Robert Cameron took objection to Mr. Palmer's statements and said that the most important work the gardeners had to do was watering; he added that Thomas Roland's wonderful success with plants was due more to careful watering than anything else, and that that gentleman did not allow his men to water the plants indiscriminately, but made them use watering pots, and then with the greatest care. The man who knew how to use the watering pot correctly could always be depended upon to have good plants in his establishment. It took a little more time to water plants in pots with a watering can, but results were more certain.

On the exhibition table there were four splendid vases of Carnations from A. A. Pembroke of Beverly. His White Enchantress and White Perfection were well grown. The vase of Enchantress was good. A vase of Winsor showed extra good color. James Wheeler of Natick staged a very fine vase of White Perfection. Eber Holmes exhibited for A. N. Pierson, Inc., Cromwell, Conn., a vase of their new dark variety of the Killarney Rose and also a plant in a pot of this variety. This new variety originated with Mr. Holmes, and he disposed of it to the introducers last Spring. The variety is much darker than Killarney, and the good rosarians at the meeting pronounced it a fine thing and predicted that it would be largely grown, the color being so pleasing. Mr. Holmes said he thought it would be put on the market next Spring. The plant received a certificate from the Club last Spring. R. C.

Ex-President William Downs of the Boston G. & F. Club read a paper before that Society last Tuesday evening, covering details of his trip to England last Fall. Mr. Downs left Boston Sept. 6 by White Star line Cymric, landing at Liverpool. A noted remark was to the effect that he only experienced three well days in seven weeks over there; fortunate man. We give the first instalment of his interesting talk, as follows:

Seen in a Visit to England

Bulb growing is confined chiefly to Narcissus, though some Hyacinths and other bulbs are grown, but not to any great extent. The former are grown not only for the flowers, but also for the bulbs, and great quantities are sent to Holland, while some of these very bulbs are probably sent here. October is not the month, generally, to see England to advantage, but owing to the fine Fall I found all outdoor flowers in good condition and Belvoir Castle is one of the best places to see what Nature can do in this line with the assistance of the human being. The locality is naturally rich in landscape, on a hill with deep ravines and sloping lawns, long the home of Spring and Summer bedding, of which a book has been written by the gardener, W. H. Divers. A series of different types of gardens, connected with a long winding walk, revealing specimen forest trees, evergreens and shrubs, in open spots bedding, finally leads off into the woods. Some of the hardiest Palms here live out through the Winter, also Bamboos. In the kitchen garden, Sweet Peas, ten feet high, were still blooming profusely. Early Chrysanthemums, of the Marie Masse and kindred types, were truly beautiful. Dahlias in immense quantities. A lot of dwarf-trained Apples and Pears, which I had seen ten years ago, were now fine specimens and in most cases carrying fine crops. Here they have to net all these trees as well as the small fruit, from the birds, the starling and wren being the worst culprits. Fine crops of well-grown vegetables in large squares, and in the fruit houses well finished crops of Grapes hanging. Malmaison Carnations and Calanthes were among the especially well grown plants. Of this place one could talk a long time, but I must get along to my next, the home of the Hon. Joseph Chamberlain, where, through the courtesy of Mr. Deacon, I had the privilege of seeing the whole place, and right here I want to say that everything showed the care of the gardener and the interest of the owner combined. In the houses the collection of Orchids is, of course, of the greatest interest, being perhaps more widely known than any other. I saw them over twenty-five years ago. Perhaps they were disappointing, inasmuch as specimen plants were not so numerous as one might expect, but they all looked healthy and well grown. Seedling Cattleyas are taking the place of the species over there and I was assured that was the future Cattleya to be grown. Lorraine Begonias were fine. Chrysanthemums, fine, healthy plants, lined the walks in the gardens, and all through the houses neatness and good culture were in evidence. I saw the remains of a fine lot of Francoa ramosa, which had been used as pot plants, and they must have been very effective.

The grounds are quite extensive, considering they are so near Birmingham, in fact in it, and are intersected with winding walks, lined by beds of Rhododendrons in magnificent condition. They had been replanted in the last two years, and Mr. Deacon used a liberal quantity of cow manure when replanting and they certainly showed it. A bed of Erica autumnalis was very effective, a fine strain of Pentstemons, fine beds of Tea Roses, an annual garden, to be followed by bulbs, weeping Rose trees, beautiful specimen Hollies and evergreens, especially Yews; herbaceous border fine; an annual pink Candytuft, especially good. The most has been made of the restricted area, the lawns undulating, walks winding, bringing you to new features at every turn. I saw here the new Peony Dahlia which is a strong stemmed heavy bloom with broad petals loose, a distinct type.

My next point was Brockhampton Court, an estate of 3000 acres in the Wye Valley, the best kept of any place I saw, the home place not so extensive but the acme of neatness everywhere. The whole estate, though not under the direct management of the owner, showed care and thrift. The Wye Valley is perhaps the most interesting part of England, so far as scenery goes, being hilly and on the whole well wooded. Owner has about three miles of the salmon fishing in the river, good game preserves and everything which goes to make a good country home. Bedding consisted of Geraniums, Begonias, Fuchsias and Lobelias, which latter seemed very intense in color. Salvia patens, too, is very effective in color schemes. Kitchen garden surrounded by walls covered with trained fruit trees, cordon style, giving the maximum amount of variety. Here they raise their own farm products and use the farm to supply the house, even to killing the greater part of their meat. From here I had an automobile ride of about 80 miles in the Wye Valley. I saw Hereford Cathedral and, in the park, a fine bowling green, one place where the people are not cautioned against walking on the grass. I saw the old garden of the Man of Ross, who must have been quite ingenious to get so much out of a small place. The walls surrounding it represent castle walls with sunken walks, bridges and a walk paved with horses' teeth. The present owner endeavors to keep up the same style it was originally built on. I visited Raglan Castle, one of those ruins which speak of the olden times; here we are told a hundred servants were kept, beside other officials. A moat and drawbridge protected the entrance, very necessary in the troublesome times of its occupancy. Tintern Abbey, another fine old ruin, at present the property of the crown, was visited; here the old monks held sway; buried in the remote parts of the country they seem to have lived their lives under the most severe conditions possible.

I next visited our friend E. O. Orpet's father at Cirencester, and was entertained by him in showing me Bathurst Park with its five mile avenue, perhaps the finest in the world, with its deer park and some magnificent old elms. The gardens, at least the greenhouse and kitchen gardens, are not what one would expect, but I saw the first lot of Tree Carnations, in pots, shaded from what little sun they had and consequently poor. Here, too, I saw the first Chrysanthemum rust; a house of plants covered with it. I had never seen it before.

My next point of interest was Westonbirt, the great Orchid place, and great in everything as a garden. Mr. Alexander showed me through the Orchid houses which were filled with well grown plants, thousands of seedlings, especially Cypripedium and Cattleyas, all in prime condition. A house of Vanda cœrulea was magnificent. A new range of glass was filled with Cattleyas chiefly, and seemed devoted to their culture, mainly of the seedling crosses of which there are so many very beautiful types now, but, as Mr. Alexander says, the breed is getting to be a regular tangled mess of names.

In the other department of the greenhouses under Mr. Chapman, a house of Amaryllis, at rest, were a fine lot of bulbs well ripened, said to be the best collection in England. Fruit was also well done here. Malmaison, second year plants, were very good in 9 in. pots. Strong and vigorous Lorraine Begonias and a general line of stock was generally well done. The grounds are extensive and well kept, some 55 men being employed in the gardens. The features of the place are large stretches of lawns, nicely planted with trees and shrubs, and a terrace garden for the bedding, which is very well done, though somewhat over at the time of my visit. A garden out in the field, for growing pot flowers and reserve plants, was very attractive. Each side of a central walk of grass, some 15 ft. wide, was a border of herbaceous plants, gorgeous in color, Dahlias, Phlox, Michælmas Daisies in great variety, being the chief plants in bloom at that time. Here, too, were Roses, Peonies, flowering shrubs for cutting, and a collection of the Wilson shrubs now to be met with in so many places. This reserve garden must have contained some ten acres.

A visit to England skipping Veitch's, would seem to be incomplete, so I journeyed first to Chelsea and found most of the old nursery gone, sold off for building purposes; Mr. Tivey was still there, but Wilkins, the vine grower, was gone; I was told he was still living in the vicinity. This nursery is merely kept to supply a few plants for exhibition to visitors and customers.

At Feltham, the main nursery for fruit trees and greenhouse plants, I found a splendid lot of trees trained to all shapes; especially good were fruit trees for pot growing. They have some 15,000 growing in pots, even to Peach trees carrying up to 40 fruits each, and Apples and Pears carrying about a dozen fine fruits. In the field were beautiful, clean, well grown fruit trees of all kinds. Several houses are devoted to this work. In the plant department things were generally well done. A fine strain of Streptocarpus is being developed with flowers nearly as large as and resembling Achimenes. Winter flowering Begonias, a new type, apparently a cross between the tuberous and fibrous sections, bearing large, red flowers, seemed to me to be an acquisition when we are tiring of Lorraines. A nice dwarf type of Chrysanthemums, called the Caprice, was very good, about a foot to eighteen inches in height, in from five to seven inch pots; they would be very useful. Another plant of a pleasing blue was Choisya; they told me it would last in bloom a very long time. The stocks of Malmaison Carnations were in the pits, the enormous quantities showing how popular they must be.

At Gunnersbury Park, the home of Mr. Leopold Rothschild, two sets of gardeners are kept, the place originally being under two separate owners, but the dwellings were very close together so, when Mr. Rothschild bought the second, he opened up the dividing line and threw the two into one. However two gardeners are kept and each one uses his own style. On one section of the terrace, in front of the house, was a grand effect of Salvia and Tropæoleum. The Salvia was planted in boxes on a low sloping roof, the Tropæoleum hanging down, and Salvia again on the ground line, making an immense blank of vivid scarlet; from a distance a most startling effect, and even near not too overdone; for the late Fall it was certainly a nice bright warm color. On the other section of the terrace was just the opposite effect, practically an outdoor conservatory, with ivy-leaved Geraniums in large vases, Longiflorum Lilies, Marguerites, Palms and mixed plants, chiefly white in effect. At the end of the

(*To be continued*)

Greenhouse Construction and Heating

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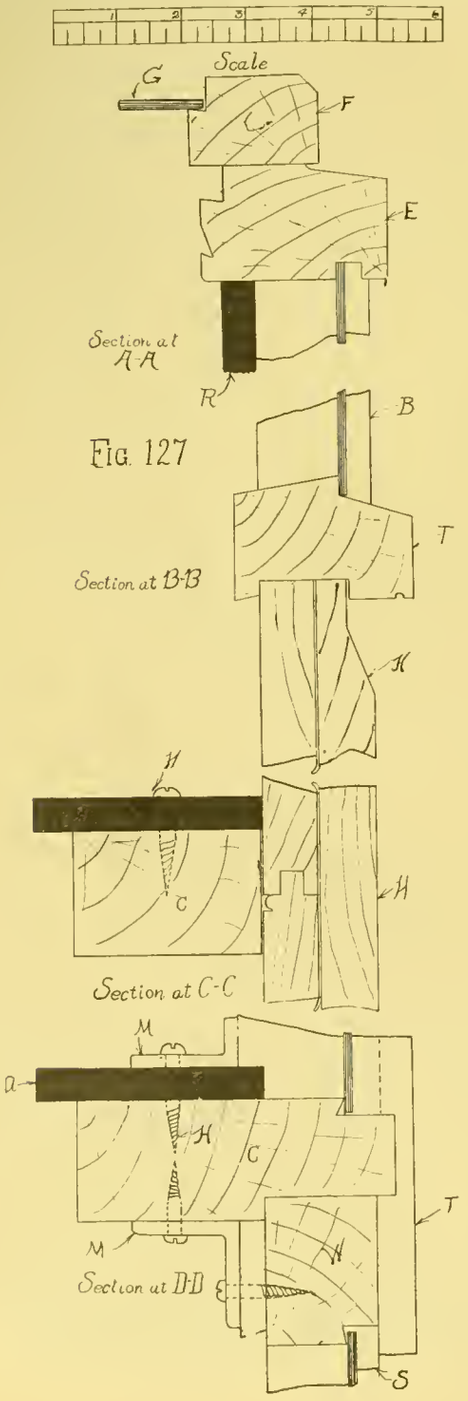
By JOHN A. PAYNE

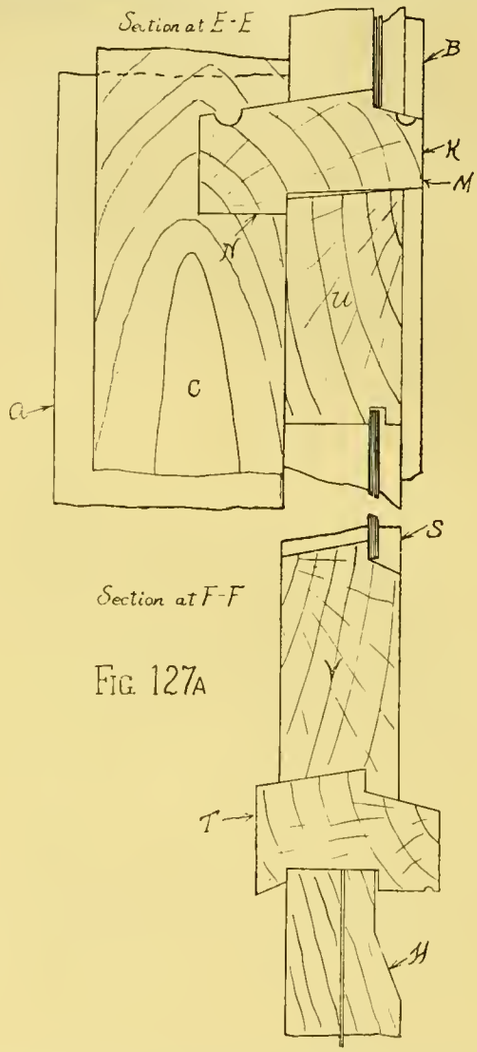
[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction. Iron Frame Houses

Figs. 127 and 128 are sectional views showing the construction at different parts of the gable as designated by the sectional lines. Section AA shows the end rafter, R, with the end roof bar, E, on top of same. This end roof bar is secured to the roof purlins in the same manner as the roof bars described in connection with Fig. 120. F shows the side style of the roof sash on top of the end roof bar, E. Section BB shows the end wood sill, T, with double board and paper, H, extending from this sill to grade, the end bars, B, extending from the end roof bar, E, to this sill being secured at both points by toe nailing. Section CC shows the connection between the wood end piece, C, end iron rafter, A, and the double boarding and paper, H, beneath the sill T. At the various rafters, A, the wood piece, C, is carried from the ground post to the end roof bar, E, in a continuous piece. Below the sill this piece is cut away to receive the siding, as shown in section CC, the wood piece being secured to the gable rafters, A, by means of wood screws, H, the wood sills, T, being secured to the upright wood pieces, C. Section DD shows the construction of the gable to receive the side rail of the removable sash. It will be noticed that the vertical wood piece, C, is plowed on one side to receive the glass of the gable, and on the other side to receive the removable sash, above the sash header, K. This wood piece, C, is plowed the same on both sides to receive the glass of the gable. The wood sill, T, is shown secured to the wood piece, C, and to the end iron rafter, A, by means of the knees, M.

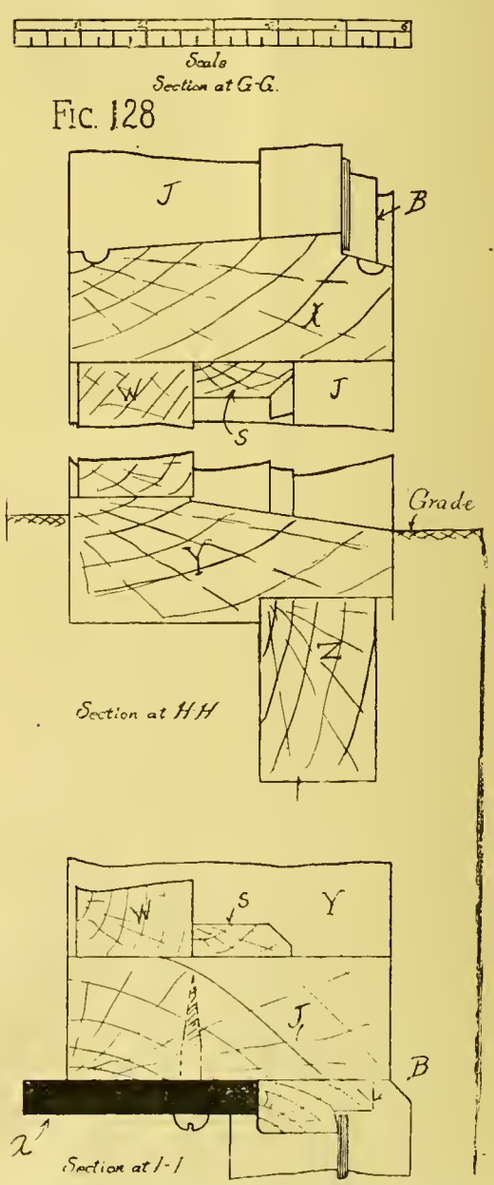




In Fig. 127A, section EE shows the construction of the sash header, K, and the top rail, U, of removable sash; and section FF shows the construction of the bottom rail, V, of sash and its relation to the end wood sill, T. It will be noticed that the top rail of the sash is made with the inner edge slightly lower than the portion of the header, M, which is plowed out for the sash. This is to admit of the bottom rail, V, of the sash being placed in position first, and then the top part of the sash is pushed into place. This is necessary owing to the construction of the bottom rail, which is made to fit snugly over the end wood sill T, as shown. The general construction of the sash, S, is the same as that described previously.

In Fig. 128, sections GG and HH show the detail of the door header and sill, X showing the form of the door header, made from 2 in. x 5 in. material, with the end glazing bar, B, extending from this header to the end roof bar. W shows the 1¾ in. door coming against the door stop, S. The form of the door sill is shown at Y, beneath which is placed the 2 in. x 3 in. piece, Z, extending across the sill so as to form a solid footing for same. Section II shows the door jamb attached to the iron and roof rafter, A. This jamb in this construction is made to extend the full length of the end rafter, A, from the door sill to the end roof bar, one half of the end roof bar, B, being nailed to this door jamb to receive the gable glass. The door jamb is sometimes only carried as high as the header, K, and an end bar, B, is carried up on the edge of the iron rafter A. The end wood pieces, C, are also at times omitted and the regular end bar, B, carried up the rafter in the same way, being secured in place at the purlins by means of lugs, the same as the roof bars, as described in Fig. 120.

At JJ in Fig. 128A is shown a section of an end iron rafter, A, with the wood piece, C, which is secured to same, extending from the ground post, P, to the end roof bar, E, being rabbeted to receive the gable glass. Section KK shows the corner construction above the sill in relation to the end rafter, R. The sill, T, is secured to the end rafter, R, at this point by means of the lug, L, which is bolted to the rafter, R, and secured to the sill, T, a wood screw also passing through the rafter into the sill, where it passes along the gable. The corner boards N and N-1, extend from the sill, T, to the end roof bar, E, the corner board N being made from 3 in. x 2 in. material, and N-1 being made from 2 in. x 3½ material. Section LL shows the construction of the corner below the sill, with the two corner boards, O and O-1 forming a finish for the double board and paper siding, the corner board, O, being made from 1¼ in. x 2½ in. material, and O-1 from 3½ in. x 1¼ in. material. These corner boards extend from the sill to the base board.



Figs. 129 and 130 show the details of the construction of the knees, K, which secure the iron gable rafters, A, to the end rafter R. Fig. 129 is the end elevation and Fig. 130 a cross section. These knees measure about 2 in. x 2 in. x 4 in. and are made from ⅜ in. iron and secured to the rafters, R, and A, by means of four ⅜ in. bolts. It will be noticed from both the details that the wood

piece, C, is cut away so as to pass up the outside of the rafter, R, until it reaches the end roof bar, E, being rabbited at BB to receive the gable glass.

As before stated, in this type of construction the flat rafters, R, are generally made of ½ in. thick iron, the width of the iron required depending upon the width of the house.

The following is a table of the sizes of rafters required for different widths of even span houses erected without columns:

Width of House	Size of Iron for Rafter
16ft. 0in.	½in. x 2½in.
20ft. 0in.	½in. x 3 in.
24ft. 0in.	½in. x 3½in.
28ft. 0in.	½in. x 4 in.
32ft. 0in.	½in. x 4½in.
36ft. 0in.	½in. x 5 in.

In the proportioniug of three-quarter span or shadeless ridge houses, the distance from the south wall to the center of the ridge doubled will give the size of rafter required for the long slope; in other words, if the distance from the south wall to the center of the ridge is 14 ft., it will require a ½ in. x 4 in. iron rafter, if it is not desirable to use a column. Of course, where columns are used the size of the iron may be cut down, the strength of iron necessary depending upon the distance between the columns or between the side of the house and the column, as follows:

Size of Iron	Distance between columns or other supports
½in. x 2½in.	8ft.
½in. x 3 in.	10ft.
½in. x 3½in.	12ft.
½in. x 4 in.	14ft.
½in. x 4½in.	16ft.
½in. x 5 in.	18ft.

In the case of very wide houses it is more desirable to use columns and cut down the width of the iron rafter, as we believe it will give better results in the matter of light; especially is this the case if the house is running north and south, when the extra depth of the heavy rafters affects the light considerably.

From the foregoing details and descriptions any type

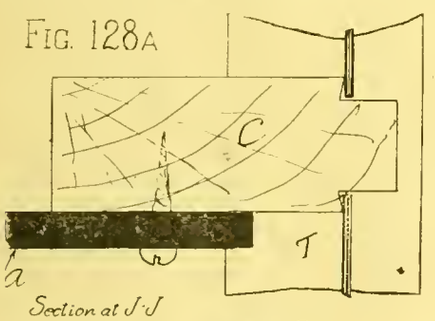
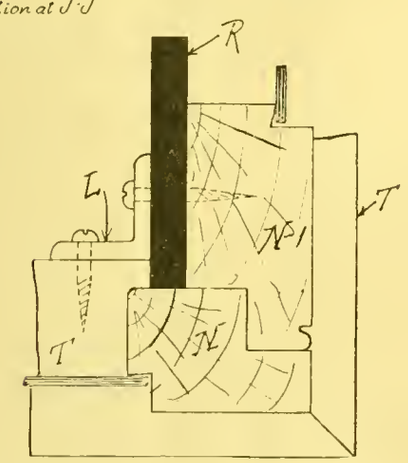
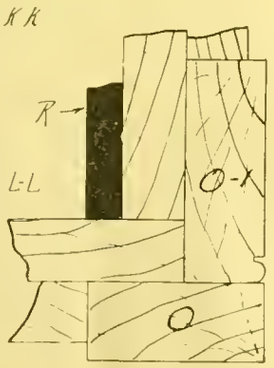


FIG. 128A

Section at J-J



Section at K K



Section at L-L

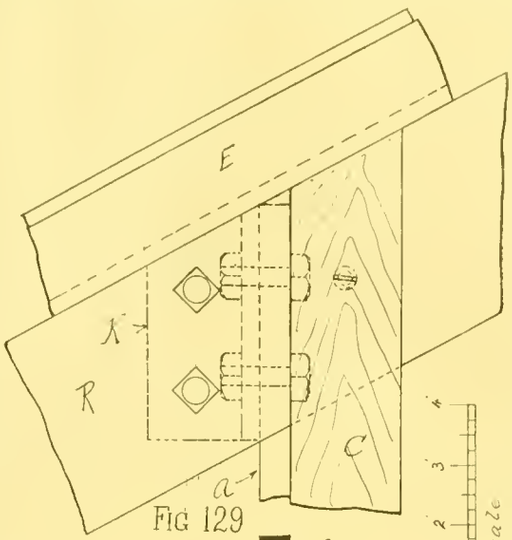


FIG 129

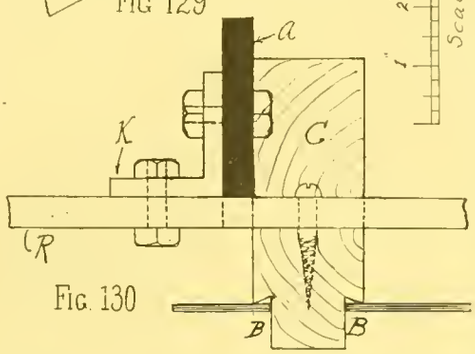


FIG. 130

or width of house can be intelligently constructed, either even span, three-quarter span or side hill house.

As before stated, the use of extra heavy iron rafters has a tendency to increase the shadow in the greenhouse, and this fact becoming more apparent has caused the production of iron frame structures with the iron of the rafters distributed in such a way as to give the required strength, but in such a shape as to cut down the amount of shadow to a minimum. We will next take up the consideration of a couple of types of this later style of construction.

Some Random Notes

There are two writers in The Florists' Exchange whose letters I always read with interest. One is my esteemed friend, Joseph Meehan, and the other P. D. Barnhart, whom I knew years ago when I was head gardener on a private estate near Baltimore and he was a nursery manager in the same section. Mr. Barnhart's letters about Los Angeles are very enticing and if I was a young man I think that I would pull up stakes and go out to the land of sunshine.

Mr. Meehan's contributions to the Christmas number are especially interesting, and perhaps I can add a few notes to some things he mentions. The Texas Umbrella tree, Melia umbraculiformis, I am glad to say, is hardy here. My neighbor, W. F. Allen, our largest truck farmer and nurseryman, has a very pretty avenue of them, and scattered about the town are specimens of the old species of China tree. I have never seen them north of this town.

Berberis Thunbergii is now very handsome with its red berries, and I had a very pretty hedge border to a shrubbery plantation of it in North Carolina. It would be interesting if Mr. Meehan would get some photos of the magnificent Rhododendrons at the old Clark place on 42d st., West Philadelphia, between Locust and Spruce sts., when in bloom; I do not think there is a finer show in this country.

The hardy Orange, Citrus trifoliata, makes the finest defensive hedge to be found. At the Berckmans Nursery, in Augusta, Ga., they show a hedge of this on which two men can stand, so dense is the growth; this picture is in the Berckmans catalog. I had some of these plants on my lawn in Raleigh, N. C.; the mocking birds built in them and the boys could not steal the young ones; it was hard to see how the birds got in and out among the fierce thorns. I have seen Cocculus Carolinianus growing finely in a backyard in Philadelphia.

At the recent show of the Maryland Hort. Society in Baltimore there were some fine specimens in tubs of the English Holly, trained in pyramidal form and well berried. I have often wondered that the Yaupon Holly. Ilex cassine (which the new botanists want us to call Ilex vomitoria), has not been grown in the same way. Its clusters of red berrica are far more handsome than the common Holly, and the smooth leaves are pretty also. It grows in dense thickets on the seacoast in North Carolina, almost right down to the surf, and the sea winds prune it to such density that it could evidently be made a very attractive plant for an ornamental hedge. On Smith's Island, N. C., I have seen the goats standing on their hind legs and pulling the branches down with their fore legs, and standing perfectly upright, eating the berries.

Smith's Island looks like a chunk of a Florida key drifted north, for it is covered by a dense forest of Live Oak, Rosemary Pine, wild Olive and Palmetto, and the whole surface of the soil is carpeted by the Mitchellia. I have never seen finer Palmettos in Florida than there, right at their northern limit. So long aa they are sheltered by the other growth they have beautiful crowns, and I have cut leaves there the blades of which measured 5 ft. by 7 ft. When they tower up above the growth around them the sea winds whip the dead leaves that hang around the stems and gradually shave the trunk to bottle neck shape, then the crown blows off; there are numerous dead stems standing all over the island killed in this way.

Cerasus Caroliniana, I am glad to learn, atands in Philadelphia. It makes a very pretty small tree in North Carolina, but even in Raleigh, at the time the freeze killed the Orange trees in Florida, the Cerasus was badly scorched. I want to try it here, for we grow Pomegranates without protection.

Schinus molle, the Pepper tree of California, I have seen in tubs and a very pretty thing it is. I wonder how much cold it would stand? Mr. Meeban does not tell us anything about this. Then, too, I have often wondered why someone does not call attention to the Privets that are evergreen. I sent L. lucidum to Mr. Meehan years ago, and am glad to know that it lives in Philadelphia. L. Japonicum I have seen in the Botanic Garden at Washington and both of these are as evergreen as a Holly. L. lucidum is so dwarf and bushy in its habit that it would easily make a dense hedge. I have a hedge of the Amoor River Privet that is far more evergreen than the common California sort.

Mr. Meehan says that Sabal Palmetto will not atand freezing without injury. In March, 1909, I was in Savannah, Ga., and noticed that the great clumps of the Oleander had lost their leaves and, mentioning this to a florist there, he said that they had had the mercury down in January to 18° above zero. But the avenues of Palmettos did not seem hurt at all. I saw the same thing in Charleston but, on reaching Newbern, N. C., I found the Oleanders fresh and green, and the lowest temperature there had heen 29. It seemed that a cold wave had run South. On a lawn at Newbern I saw a magnificent specimen of Chæmerops Fortunei, fresh and green, and also saw one in Raleigh that has stood a number of Winters, while the native Palmetto will not stand in Raleigh. Sabal Adansonii stands in the swamps of Eastern North Carolina a long way north of where the Sabal Palmetto stops, and grows where the freezing is sometimes quite severe.

The Aucubas flourish finely here, but Mr. Meehan does not tell us if they grow in Philadelphia. They thrive here even in a sunny south exposure. And we can Winter the Erythrina Crista-galli under a sawdust. mound. I am trying some Dahlias under the sawdust this Winter, and believe they will come through.

Salisbury, Md. W. F. MASSEY.

Among the Nurserymen

The American Nursery Company

It is now nearly three years since the American Nursery Co., and nurseries in the States of New York and New Jersey were incorporated. The year past has been one of unexampled prosperity; the sales and the net proceeds of the business being very materially increased. With all the departments of the company working in harmony it is expected that this prosperity will continue and even increase. A farm has been purchased for the further extension of the Bloodgood (L. I.) department and the same is now being improved by the erection of new buildings and by the reclamation of all waste land. Next Spring a large planting will be made thereon, chiefly of shade trees. The farm in question is well adapted for the purpose intended and is centrally located in the midst of a rapidly improving neighborhood where large private estates are being established and improved.

Any nursery business, in a good location, honestly and conservatively conducted, has ahead of it a career of usefulness and reasonable prosperity; any danger to be apprehended lies in the making of extravagant claims with no substantial basis; all such too often beget disappointment and failure. Concerns which can show something tangible and real, and which keep their promises, must grow in public favor and increasingly receive public patronage.

The F. E.—Wide Awake and Up to Date

Fishkill-on-Hudson, N. Y.

Mr. Benjamin Hammond reports work going on vigorously at his new structures. The Slug Shot building will be the first one to be ready for occupancy, but in the main building there remains a lot of work to be done before same can be gotten into readiness. Additional buildings are as follows: A barn, wagon shed, cooper shop, oil house, storage house and boiler and cook house, all of which are of fair size and new. The work attending on the getting of these buildings erected and ready for occupancy has kept Mr. Hammond constantly on the go for many months.

Mr. Hammond, who is secretary of the American Rose Society, reports that it now has four special prizes for the coming Rose show at Boston next March.

Indianapolis

An announcement of the death of one of our most highly respected florists, Anthony Wiegand, will be found in this week's obituary columns.

The home of Chas. Pahud was robbed by a porch climber, December 20; about $200 worth of valuables was taken.

Tomlinson Hall Market is preparing for a big Christmas. Much difficulty is had in obtaining sufficient stock to retail, as the storemen are taking nearly all the flowers offered. Much Holly and other green material is being moved at good prices.

Frank Soult has returned from Oregon and accepted his old position with John Rieman.

The Warren Seed Co. is doing a lively green goods business.

John Heidenreich is being assessed for numerous improvements on his South Side lots. I. B.

Market Report

A general development is noticeable in all branches of the florist business. The green goods men already report that there is an unprecedented call for Holly, Mistletoe, Laurel and Cedar. This is in itself a good indication of the coming holiday trade in blooming plants and cut flowers. Counter trade is steadily improving and numerous Christmas orders are being booked. Plants are in fine condition when brought to market and should find a ready outlet. A shortage in several kinds of flowers, notably Carnations, is imminent and record wholesale prices are being obtained. This shortage is undoubtedly due more to the cold, dark weather than to the volume of demand. It is difficult to maintain a price of $2 per doz. in a city the size of Indianapolis, but this will, necessarily, have to be tried. There are not the numerous coming out parties as was the case last year, but a larger number of real Christmas orders are looked for. Small decorations are daily features, but the extensive ones in three figures are scarce.

Poinsettias are more generally grown than heretofore, and will be much used this season; $1 to $4 per doz. is the wholesale, and double that amount the retail price for them. Callas and Harrisii Lilies are more plentiful than customary but the straight market price, $15 per 100, is maintained for them. Harrisii Lilies retail at $4 per doz; Callas at $3 per doz.

The growers having a quantity of bulbous stock on hand are fortunate, and are obtaining expected prices for the same. Yellow Soleil d'Or and Paperwhite Narcissus bring $4 per 100, as do fancy Roman Hyacinths and Lily of the Valley; $1 per doz. is the store price for them.

Roses are comparatively more numerous than Carnations. Christmas quotations are in effect and are about as follows: $15 to $25 per 100 for the best Killarneys, Richmond, Rhea Rheid and My Maryland; $15 to $20 per 100 for Bride and Bridesmaid; $5 to $75 per 100 for Amer. Beauty. For some unaccountable reason the longer grades of Roses are easier to obtain than the second grades and the shorts, which are actually scarce when the others are numerous. $2 to $6 per doz. for Teas and $3 to $18 for Amer. Beauty are the retailers' prices.

Michigan Winterberries are sorely missed, as they had become a well known article. Of course, a few are to be had but they are hardly saleable. Stevia at $1 per 100, Mignonette at $6 per 100, Bouvardia at $7.50 per 100, and Sweet Peas at $1 per 100 are among the other holiday favorites. Exquisite baskets of Adiantum Farleyense, Ardisias, Heather, Primulas, Lilies and Azaleas should form much of an attraction for the shoppers. The wreath line is becoming an extensive one, as nearly all the stores handle those of Holly, Boxwood, Ruscus, Magnolia, Asparagus and Laurel.

The conservatories present their ever beautiful effect at Yuletide. It seems to all that the decorators are putting forth all the effort necessary to make the season of 1910 a mark worth striving for in the succeeding year. I. B.

Rochester, N. Y.

As a sequel to the recent convention of the S. A. F. held in this town, the wives of several prominent local florists have shown their progressive spirit and interest in the ladies' auxiliary idea by organizing a local association. This is due entirely to the efforts of Mrs. W. L. Keller, who was the first Rochester lady to join the S. A. F. auxiliary. Last week she gave a party at her home, inviting other florists' wives, the outcome of which is a ladies' auxiliary to the Rochester Florists' Association, with Mrs. W. L. Keller president, Mrs. Fred Vick vice-president, Mrs. Albert Vick secretary, and Mrs. E. R. Fry treasurer.

The first meetig ended successfully, and a resolution was adopted to the effect that a large delegation of ladies leave Rochester for the Baltimore convention next year. Surely this is a step in the right direction and let us hope that florists' wives in other cities will notice it and do likewise. H. B. STRINGER.

New Bedford, Mass.

Business is about the same as usual. Flowers at the present writing seem to be rather scarce. Some fine Carnations are to be seen, though not plentiful, and retail at 60c. to 75c. per doz., but they will be much higher, from present indications, at Christmas. Roses are selling at good prices now, $1.50 and $2 per doz.; Violets at $1.50 per 100 blooms; Snapdragon at 75c. per dozen; Paperwhites at 50c. per doz. Stevia and Candytuft come in very handy just now. By the time this is read, everyone will be right in the rush of business, which we hope will be a record breaker.

R. H. Woodhouse will have some fine Begonias and Cyclamens for the holidays; S. S. Peckham is bringing in some good Cyclamen and Primroses.

All the uptown stores are ready for the fray, well stocked with flowering plants.

The weather of late has been very cold; the present snow has caused a scarcity in Princess Pine and Ground Pine.

We wish all a Merry Christmas and a prosperous trade. HORTICO.

New Haven, Conn.

Gustav X. Amrhyn, superintendent of parks, has sent to the Connecticut Agricultural Experiment Station a report of the number of trees found dead in the inspection of East Rock Park. Most of the trees died during the past year, due to excessive dryness. In all 2683 trees died, more than half of which were Chestnuts. Mr. Amrhyn is about to take his first vacation in 11 years. He will visit relatives in Switzerland, leaving New York on the S. S. Savoy, on January 12, to be gone about two months.

The florists throughout the city are all quite busy with church decorations and cemetery work, the demand for wreaths being greater than ever.

The show windows of our florists are all in holiday dress; several of the decorations would be hard to beat. Champion & Co. have a very fine display.

Al. Maxwell, a wealthy gardener living at 1198 Dixwell ave., while at work in his barn on Sunday afternoon, was held up, robbed and beaten by two men, one armed with a pitchfork and the other with a gun. About $100 in bills was taken besides a small bag of change and some jewelry.

The wife of Jas. MacDonald, a well known gardener living at 69 Carmer st., died on Friday, Dec. 16, after a long illness. F. H. W.

Rockford, Ill.

Rockford boasts of many things but two in particular may be of special interest to florists. One is that Violets are grown so large here as to be sold by the dozen locally. Your correspondent has seen some with stems fully nine inches long while eleven inches is claimed as not unusual.

The mammoth plant of H. W. Buckbee, grower and seedsman, which is located about a mile from the center of the city, is the second. This establishment, with its 250,000 sq. ft. of glass and the enormous four-story seed warehouse directly across the road, with floors 280 ft. long and where, together with other seeds, is stored the product of 4000 acres of Peas, is well worth seeing. Every department has its quota of work to attend to; the mail order department with its assemblers, checkers and inspectors, equipped to handle 7000 orders daily, is perhaps one of the most interesting. Then the hand picking department, employing 60 girls, who sort the good Peas, Corn and Beans from the bad. This firm makes its own bags and does its own printing. Perhaps one of the most modern and up-todate departments is that containing the machine shop and boiler room; here three large Scotch marine boilers, claimed to be the only ones of their kind in use for greenhouse heating, are used to furnish power, light and heat. But the department in which Mr. H. W. Buckbee takes particular pride is the delivery, to which he has just added what he claims to be the finest four horse seed hitch in the United States, and although your correspondent is not much of a horseman, he believes Mr. Buckbee is justified in making this claim, for they certainly are magnificent animals. J. M.

Hartford, Conn.

Arthur Calverley has opened up the old greenhouses of L. E. Pike, cor. Vine st. and Albany ave., and will run them as a commercial place, growing bedding stock and a general line of stock for trade, also doing grading and a general gardening trade. One more come back to the fold!

We are to have another flower store on Main st., under the name of The Quality Flower Shop; in fact, it opened on Dec. 20. The business will be incorporated, and I understand Gen. Alex. Hutchinson is to be the president.

Business has been good with us all, no kick coming. Christmas trade opened up well, stock scarce, greens, wreathing and trees going lively. On every corner, some of our old friends from "up neck" who raise "taters and terbaca" in the Summer months, have got their trees—Gol darn 'em, any way! Well! if they like to handle trees, let them. I've handled them when there were gold dollars on every limb—nowadays there are tin whistles. Can't get the price we used to 20 years ago! We used to throw in a Santa Claus with each tree and have money left in the old days.

G. Wm. McClunie has a very fine display. Christmas trade has opened up fine with him. Coombs, Spear, McManus, Ed. Welch and Geo. G. McClunie have all they can do and have hired extra help. Funeral work is plentiful. Our old friends J. Lorentzen & Son of Park st. are more than busy these days, but not satisfied—never are—too busy to give you mere news, and know you're busy, too.

A Merry Christmas to all brother florists from the Hartford correspondent, and may they all prosper is the wish of MAC.

Catalogs Received

W. W. BARNARD CO., Chicago, Ill.—Catalog of Christmas Novelties for 1910.

SLUIS & GROOT, Enkhuizen, Holland.—General Price List of Vegetable, Flower and Agricultural Seeds.

SCOTT BROS., Elmsford, N. Y.—List of Chrysanthemum Novelties for 1911 and of 1910, also Roses, Carnations, Palms, Ferns, Cannas, Geraniums, Indoor Grape Vines, Fertilizers, Insecticides and Fungicides, etc.

J. M. GASSER CO., Cleveland, O.—A neat little booklet gotten out for the promotion of trade relations between that house and its customers, present and prospective.

E. S. MILLER, Wading River, N. Y.—Spring 1911 Trade Price List of Bulbs and Hardy Plants. An interesting price list, with Gladioli, Lilies and Iris its leading features.

W. W. JOHNSON & SON, Boston, England.—This is a list of Novelties and Specialties abounding in many choice offerings in New and Choice Flower Seeds and Garden Vegetables. There are so many good things noted that it is scarcely wise to single out any particular one. Readers interested are advised to send for a catalog.

J. G. HARRISON & SONS, Berlin, Md.—A combination Catalog and Treatise covering Fruit for the Home, Fruit for the Market, How to Plant and Care for an Orchard, etc., followed by a description of leading varieties of all the standard and small fruits, also listing Evergreens, Deciduous Trees and Shrubs, Climbing Roses and Clematis.

HENRY F. MICHELL CO., Philadelphia, Pa.—Wholesale Price List, Spring 1911, for Florists and Market Gardeners. This is a very complete list of Flower, Vegetable, Grass, Farm and Clover Seeds, as well as of Seasonable Plants and Bulbs; also covering a complete line of trade wants beginning with Acid Phosphates for fertilizing and Zementine for whitewashing and shading glass. Between this A and Z will be found hundreds of other requirements in tools, utensils, etc.

HENRY F. MICHELL CO., Philadelphia, Pa.—1911 Catalog of Michell's Distinctive Seeds. The catalog embraces Flower and Vegetable Seeds, Clover, Farm and Grass Seeds, Roses, Climbing Plants, Bedding Plants, Evergreens, Ornamental and Shade Trees, Hardy Deciduous Shrubs, Decorative Shrubs, Fruit and Nut Trees, Implements, Tools, Poultry, Bee and Dairy Supplies. The book contains a full-page colored illustration of Michell's Fancy Nasturtiums, also one of Michell's Superb "Spencer" Mixture Sweet Peas. The front cover carries a tempting illustration of Michell's Extra Early Tomato, "Cracker Jack," grown at the firm's Seed Gardens, Torresdale, Pa.

William A. Spangler

Information is requested by Mrs. Hillis E. Jones, 114 Hedgewood ave., Zanesville, O., as to the whereabouts of her brother, Wm. A. Spangler, a florist; when last heard from he was in the State of Washington.

Calendars Received

ARCHIAS' SEED STORE, CORP., Sedalia, Mo.—Handsomely embossed calendar illustrative of a barn showing four horses at their feed, harness and the watch dog.

Publications Received

American Gladiolus Society, Bulletin No. 1

This neat little booklet gives quite an amount of interesting information, such as the object of the Society, an account of the organization and first meeting of the Society, the Rochester meeting, reports of treasurer, financial secretary and committee on awards, giving the prizes awarded at the Rochester show held in connection with the S. A. F. Convention, as well as an account of the show itself, and contains an urgent call to growers of Gladioli to exhibit at the forthcoming National Flower Show to be held in Boston next March. A list of the members is given, quite a long one when it is considered that this Society is only seven months old. Those who would like to be fully posted in the matters of this Society may obtain a copy of this bulletin by addressing L. Merton Gage, secretary, Orange, Mass.

Monmouth Co. (N. J.) Hort. Society

The regular monthly meeting of this Society was held at the Free Men's Hall, Oceanic, N. J., on Dec. 16. The following officers were elected for the ensuing year: Wm. Turner, President; John Kennedy, Vice-Pres.; George Kuhn, Financial Sec'y.; H. A. Kettel, Rec. Secy.; N. Butterbach, Treasurer.

It was decided to hold the annual dinner on Jan. 18, at Red Bank. A committee was appointed to make arrangements for same. Those who wish to participate in the dinner may obtain tickets from the secretary, H. A. Kettel, Fairhaven, N. J., at $2 a plate. The meetings of the Society during the Winter are held twice a month, on the first and third Friday, and during the Summer, once a month, on the first Friday in the month.

Five new members were elected and three proposed. The Bowling Club will have a series of games with the Elberon boys during January and February and also with the Red Bank local team.
Oceanic, N. J. N. BUTTERBACH.

Fires

ORISKANY, N. Y.—The greenhouses of Chas. Gifford & Co. were slightly damaged by fire on December 9.

RHINELANDER, WIS.—The greenhouses of Peter Phillip, N. Brown st., were partially destroyed by fire on December 1.

LIMA, O.—On the morning of December 10 the greenhouses of Henry Mueller were almost destroyed by fire originating from an overheated furnace.

RACINE, WIS.—The greenhouse of Clark E. Adams was almost completely destroyed by fire on the evening of December 9. Loss about $1500.

GIRARD, PA.—Fire destroyed the large barn of the Pennsylvania Nursery Co. on December 9, with its contents, including four valuable horses.

LANCASTER, MASS.—Miss Clara Francis has started a greenhouse here.

WAKEFIELD, KANS.—Percy Walter has built a large addition to his greenhouse establishment.

PONTIAC, ILL.—W. J. Miller & Son had an opening at their new greenhouse, 412 Payson st., on December 10.

WASHBURN, WIS.—W. F. Flint of Minneapolis expects to build a greenhouse and start a nursery here next Spring.

SAVANNAH, ILL.—John Lambert has purchased the interest of his father, J. Y. Lambert, in the Savanna Greenhouse, and will thus become sole proprietor. He expects to move his Sabula greenhouse to this place next Spring.



Exhibit of Griffith & Turner Co. of Baltimore at the recent Show of the Md. State Hort. Society.

Thomas Roland, Nahant, Mass.

A trip to Nahant, a week before Christmas, to see Thomas Roland's flourishing establishment, is a treat which we have indulged in annually for several years. Not only does one see everything in the very best shape that it can be grown, but one learns much as he walks around with Mr. Roland of the treatment the plants receive. No time or expense is spared in the endeavor to produce the very highest grades of plants and we are sure in certain lines no better can be seen anywhere in this country. A great deal of Mr. Roland's success with his plants is due to careful watering, and we are certain that success in growing good plants does not depend so much on the compost they are grown in as it does on careful watering. Very little watering is done with the hose, plants are almost all watered with a watering pot and, even with that, very carefully.

Ten thousand Cyclamen are grown and no finer plants can be seen; they are much better flowered for Christmas than in past years. One-half of this large batch is grown for Christmas while the other half is intended for Easter. A large batch of the variety Papilio is being grown this year and Mr. Roland is well pleased with it. We have seen this variety before, but nothing like the fine strain that is grown at Nahant. This is the first time we have ever seen a touch of yellow in a Cyclamen flower.

Ardisias are superbly grown and we never before had the pleasure of seeing such a crop of berries on these plants. The plants have well retained their last year's berries, and with those of this year, are loaded down with bright red fruits. In this condition they are far ahead of any other berried plant on the market; in fact, there can be no comparison.

Five hundred Erica melanthera are grown; it is generally hard to get this plant in blossom for Christmas, but this year they are most profusely flowered, probably owing to the dry Summer. This heath is grown in sizes all the way from one foot in height to five feet. We never saw this heath better grown than it is here, not even for the London market, although in England they have a much better climate for this class of plants.

Camellias are grown in small quantity and were nicely flowered. Azaleas are here in large quantities and are exceptionally well flowered, Firefly and Mme. Petrick being in greatest abundance. Oranges are grown extensively and never before did we see them so heavily fruited. Mr. Roland grows all his own stock and several houses are devoted to those for next year. Begonia Lorraine is well grown here and several houses are devoted to its culture. Two thousand plants of Primroses are grown in 5-in. pots; they are compact, neat and well flowered; we noticed some very bright colors among them.

Not only are there quantities of plants in bloom for Christmas, but other houses are stocked full with plants for Easter. Whole houses are devoted to Rambler Roses, others to Bougainvilleas, Hydrangeas, Heaths, Genistas, Acacias, and many other plants. A house of most beautifully colored Crotons pleased me very much.

Cattleyas are well grown and there is a fine crop of flowers on. There are numerous plants on trial to see if they will make desirable commercial sorts.

Mr. Roland has purchased eleven acres of fine land in Revere and is to erect ten large houses there next Spring. This place is much nearer Boston than Nahant and much will be saved in cartage. The Nahant establishment will be carried on the same as at present. R. C.

Phalaenopsis in Full Flower

We illustrate herewith a portion of the Orchid house of J. A. Carbone of the West Berkeley Rose Nursery, Cal., nearly one thousand plants of Phalænopsis are here; the two varieties shown, P. amabilis, pure white, and P. Sanderiana, rose pink, well demonstrate through their masses of blooms the commercial possibilities of these flowers when grown by a master hand such as Mr. Carbone is known to be. The entire crop was in full bloom for the holidays.

Mr. Carbone was a large exhibitor at the recent very successful flower show held in San Francisco.



Chicago Retailers' Displays

Each Christmas finds the flower shops filled with greater quantities of plants, both flowering and decorative, and the window displays more elaborate and attractive than the preceding year. The increased demand for plants necessitates a careful and well selected stock of the many varieties of plants suitable for use at this season and there are some truly beautiful specimens to be seen. Very prominent are the Azaleas, their colors and masses of bloom putting them first on the list. In the last year or two the Begonia Gloire de Lorraine, and the Persian Cyclamen have become favorites to a large extent. The Chinese Primrose is also popular. The flaming Poinsettias are not as good as usual this season. Many well grown plants of the Baby Rambler Rose are seen, and pans of Roman Hyacinths, Narcissus, and Lily of the Valley are available.

Never were there finer specimens of Dracænas, Crotons, Pandanus, and the old Rubber to be had. In the Palms, Kentias, Latanias, Arecas, Cocos Weddelliana, and Phœnix Roebelenii are all to be had in small sizes, and sell well for basket uses. The old Boston Fern and its crested sports, Pteris, Adiantums, and Aspidiums are extensively used for filling hampers, vases and baskets.

Nearly every store has a good selection of evergreens, including Boxwood, Laurel, Holly, Arborvitæ, Pines, Spruces and Araucarias, all truly Christmas plants.

There are some well finished Ardisias to be seen in some of the stores, with Otaheite Oranges, Aucubas and Jerusalem Cherries.

The ground Pine wreathing is not to be seen at many places, this material being scarcer than ever; each year seems to find the supply diminishing. Holly, Laurel and Boxwood wreaths, Mistletoe, Immortelle bells and wreaths, the new preserved Ferns, Palmetto in flaming red and yellow, and the red Ruscus used extensively at all stores for basket purposes and decorations are all to be seen in quantity. This year is added a comparatively new and meritorious novelty—the Desert Holly, a silvery white, small Holly shaped almost skeleton leaf plant that grows on the deserts of Arizona; it is soft, and when used for wreaths must be wired. It is, however, simply beautiful when made up with a little contrasting color. The fruit and jewelry stores are using it to some extent in contrast to the fruit and silver.

In the window displays nearly all the florists keep to the line of floral decorations exclusively although this year is noticed one window of a leading florist with a church scene depicted, which while effective, does not display the novelties that should be the drawing cards. The windows in general show artistic taste, and the expenditure of much time in their arrangement. Festoonings of Holly, Laurel, bells, wreaths, are liberally used and preserved Ferns and red Ruscus are introduced with good effect. Gloire de Lorraine Begonias in baskets and pots artistically arranged and finished with cerise ribbon to match the flowers are seen everywhere. Another effective plant is the Poinsettia, aranged with Ever Ready pot covers of scarlet, tied with bows of ribbon of the same color. Azaleas are not shown so extensively in the windows, as their colorings harmonize with but very few of the other offerings. The usual small pans of bulb stock with effective pot coverings are displayed. Then each window has a number of very pleasingly arranged baskets of flowering and foliage plants that make a magnificent show. The most popular line of baskets used this season are the old fashioned "Willow," in brown and dark green shades and in various shapes and sizes, detracting little from the plants used. Several baskets should be particularly mentioned: One most attractive was a Willow basket of about 12 ins. across, on legs about 3 inches high, with a square handle, filled with Poinsettias, Dracænas, Ericas and Adiantum Farleyense; this was unadorned otherwise. Another was a low brown Willow basket, oblong shape, with a high, round handle, and made up of Winterberries and Mexican Ivy; a bow of red ribbon was tied to the handle. Still another basket was a round, flat one with high handles, filled with Boston Fern, Poinsettias and Dracæna. A very effective box of rustic ware was made up with Croton, Primula obconica, Begonia Gloire de Lorraine, and various small Ferns. In one store was noticed two huge balls of Boxwood, with a few red berries mixed through it, suspended with scarlet ribbon, both unique and artistic. Not so many of the paper, or Immortelle bells are used this year; small gold baskets with high handles, filled with various small decorative stock, are meeting with great favor instead. Add to all the windows the usual arranged vases of Roses, Carnations, Lilies and all seasonable cut flowers, and the windows one and all are more than ordinarily pleasing.



Phalænopsis Amabilis and P. Sanderiana, in full bloom.
Photo taken Dec. 1, at J. A. Carbone's establishment, West Berkeley, Cal.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker FLORIST — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Jno. V. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

1328 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank E. Crumb — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

Notes of Boston Retailers

J. W. Fletcher of Auburndale has built a fine new concrete flower store and has fitted it up in elegant shape with all the most modern appliances. December 15 was his opening day and a large number of people went to inspect the new building, and also to see the greenhouses which were filled with many choice plants for Christmas. Mr. Fletcher is one of our experimenting florists and has always something new and interesting to show visitors.

One of the largest wedding decorations in this city or vicinity for some time past was done by Edw. MacMulkin. It was on the estate of Thomas W. Lawson at Drumwold, whose third daughter was married to Henry McCall, son of Congressman McCall. The interior decorations of the house were most elaborate and 10,000 Roses were used in three or four rooms. The ground floors of the elaborate house were garnished with Winter foliage. The dining room had quite original decorations: Over the table were festoons of beautiful red Apples radiating from one common center. The table was ornamented with an exquisite display of Orchids, most beautifully arranged. R. C.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — DENVER, COLORADO — 1706 BROADWAY

J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura Street

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. FLORISTS — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Rose Petals as Sweets

Preserved Rose petals are a popular sweet in Roumania and Transylvania, where the so-called Rose-dul-scâce is highly relished. The preparation is said to have been derived from the Turks, and every housewife in these countries makes it herself. A variety of Rose with large petals is taken, and these are boiled down to a thick jam, in the proportion of a pound of sugar to a pound of petals. The sugar is first boiled down to a syrup, then the petals are added and the mass is boiled again, until they have the appearance of waxed paper petals. They are used as a remedy against colds, fever, influenza and similar ailments and are said to be very effective. This Rose-dul-scâce is also a favorite refreshment, and is offered to visitors on hot days.—*Frankfurter Zeitung.*



At the Recent Flower Show of the Pacific Coast Horticultural Society, San Francisco
The Brides' and Bridesmaids' Bouquets and a few of the Cups Offered for Competition

Arthur Dummett INC.
MOUNT VERNON AND WHITE PLAINS
NEW YORK STATE

J. N. Champion & Co.
NEW HAVEN, CONN.
1026 Chapel Street
Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe
IN HEART O
NEW YORK CITY
1294 Broadway
Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer
NEW YORK
609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. T. Bunyard
FLORAL CO.
NEW YORK
413 Madison Avenue
Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent
NEW YORK
42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex McConnell
NEW YORK
571 Fifth Avenue

Charles Henry Fox
The Sign of the Rose
Broad St. below Walnut
Philadelphia.
We deliver to all suburbs of Philadelphia, Atlantic City and all New Jersey resorts.

T. J. Johnston & Co.
Florists
PROVIDENCE, R. I.
171 Weybosset St.

J. B. Keller Sons
ROCHESTER, N. Y.
25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Julius Eppstein
The California Florist
SAN FRANCISCO, CALIFORNIA
344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention. We cover all California. Wire us your orders.

Clark Florist
SCRANTON, PA.
122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson
ST. PAUL, MINN.
20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America, the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

W. E. Day Co.
SYRACUSE, N. Y.
Onondaga Hotel
We will carefully execute Orders for Syracuse and Vicinity.

Blackistone
WASHINGTON, D. C.
14th and H Streets
Also
1601 Madison Ave. BALTIMORE, MD.
J. Dan Blackistone

WASHINGTON, D. C.
Gude Bros Co.
Florists
1214 F. Street, N. W.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.



Palm Arrangement with Pot Cover

New Auto Truck of A. Wiegand & Sons, Indianapolis

We present a picture of the new Overland Auto truck purchased by A. Wiegand & Sons of Indianapolis, Ind. The body of this truck was designed especially for that firm and is well adapted for florists' use. It is five feet high, which readily admits a six foot Palm, and is also equipped with two removable decks, which greatly increase its carrying capacity. Messrs. Wiegand state that the delivery proposition henceforth will cause no more worry to them, as this machine easily does the work of two wagons and two boys with bicycles. Its mileage capacity is from sixty to eighty miles a day. The Overland Auto Co. recently received an order for twenty-four trucks, the exact duplicate of this one.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

For "Supply" Advertisements see pages 1180-81

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Baltic	Dec. 24	12.00 m.	W. 19th St., N. Y.	Liverpool
Minnetonka	" 24	12.00 m	W. 16th St., N.Y.	London
Chicago	" 24	3.00 pm	N. Y.	Havre
Floride	" 24	3.00 pm	N. Y.	Havre
Russia	" 24		Bush Dks. Bklyn	Rot'd'm-Libau
Re d' Italia	" 27	12.00 m	Gr'nd St. Jer. Cy	Naples-Genoa
Mendoza	" 27	12.00 m.	Bush Dks, Bklyn	Naples-Genoa
Lusitania	" 28	9.00 am	W 14th St., N.Y.	Liverpool
Samland	" 28	10.00 am.	W 18th St., N.Y.	Antwerp
America	" 28	1.00 p m.	W 34th St., N.Y.	Naples-Genoa
Venezia	" 28	3.00 pm	31st St., Bklyn	Naples-Mars
D'a D'Abr'zzi	" 29	1.00 pm	W. 34th St., N.Y	Naples-Genoa
United States	" 29	2.00 pm.	17th St. Hoboken	Copenhagen
La Bretagne	" 29	3.00 pm	N. Y.	Havre
Mesaba	" 31	9.00 am.	W 16th St., N. Y.	London
St. Louis	" 31	10.00 am.	W. 23rd St., N.Y	Southampton
Celtic	" 31	10.00 am	W. 19th St., N.Y.	Liverpool
Geo. Washington	Jan. 3	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 3	10.00 am	5th St , Hoboken	Rotterdam
Campania	" 4	10.00 am.	W. 14th St., N.Y.	Liverpool
Kroonland	" 4	10.00 am.	W 18th St., N.Y.	Antwerp
Laura	" 4	1.00 pm.	Bush Dks, Bklyn	Nap Pat-Tr'ste
La Lorraine	" 5	10.00 am.	W. 15th St., N Y	Havre
Amerika	" 5	11.00 am.	1st St., Hoboken	Hamburg
Cincinnati	" 5	12.00 m.	1st St., Hoboken	Gib-Algiers Naples-Genoa
Germania	" 5	3.00 pm.	31st St., Bklyn	Naples
Campanello	" 5		Pier 38, Bklyn	Rotterdam
Montserrat	" 5		Pier 8 East River	Cadiz-Barcel'a
Oceanic	" 7	10.00 am	W. 21st St., N.Y.	Southampton
Minnewaska	" 7	10.30 am.	W. 16th St., N.Y.	London
Berlin	" 7	11.00 am.	3rd St., Hoboken	Naples-Genoa
Furnessia	" 7	12.00 m.	W. 24th St., N.Y.	Glasgow
Carmania	" 7	12.00 m.	W. 14th St., N.Y.	Gib-Alg-Genoa Nap-Alex-Fme
Caroline	" 7	3.00 pm.	N. Y.	Havre
Kursk	" 7	12.00 m.	Bush Dks Bklyn	Libau
Finland	" 11	10.00 am.	W. 18th St., N.Y.	Antwerp
St. Paul	" 11	10.00 am.	W. 23rd St., N.Y.	Southampton
P. di Piemonte	" 11	12.00 m.	Gr'nd St., Jer.Cy	Genoa-Naples
Oceania	" 11	1.00 pm.	Busb Dks. Bklyn	Nap-Pal-Tr'ste
Cedric	" 11	3.00 pm.	W. 21st St., N. Y.	Az'r's-Gib-Gen Napl-Alex'dra
Patris	" 11		Pier 33, Bklyn	Malta-Piraeus Calam-Patras
Pres. Lincoln	" 12	9.00 am.	1st St., Hoboken	Hamburg
La Savoie	" 12	10.00 am.	W. 15th St., N.Y.	Havre
Fred. der Grosse	" 14	10.00 am.	3rd St., Hoboken	Bremen
Minneapolis	" 14	10.00 am.	W. 16th St., N.Y.	London
Megantic	" 14	11.00 am	W. 19th St., N. Y.	Liverpool
From Boston				
Devonian	Dec. 28	8.00 am.	B & M Dks. Char	Liverpool
Cambrian	" 30		B & M Dks. Char	London
Lancastrian	Jan. 4		B&A Dks, E. Bos.	Liverpool
Lake Erie	" 6	1.00 pm.	Mystic Whf. Char	Glasgow
Winifredian	" 11		B& M Dks, Char	Liverpool
Georgian	" 13		B&A Dks, E. Bos,	London
Ivernia	" 17		B&A Dks. E. Bos.	Liverpool
Philadelphia				
Siberian	Dec. 24		24 No. Wharves	Glasgow
Merion	" 24	10.00 am	53 So. Wharves	Liverpool
Graf Waldersee	" 28		Allegheny Ave,	Hamburg
Friesland	" 31	10.00 am.	53 So. Wharves	Liverpool
Manitou	Jan. 6	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 7		24 So. Wharves	Glasgow
San Francisco				
Asia	Dec. 27	1.00 am.	1st Street	Honolulu
Mongolian	Jan. 7	1.00 pm.	1st Street	Japan
Chiyo Maru	" —	1.00 pm	1st Street	China

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New Auto Truck of A. Wiegand & Sons, Indianapolis

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouses, Land, Second-Haad Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch. 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Orchid Grower, aged 24, with European and American experience. Highest references. Address V. D., care The Florists' Exchange.

SITUATION WANTED—By florist, German, aged 22, 4 weeks in country, who is well versed with greenhouse work, on commercial place. Best of references from leading florists in Germany. New York vicinity preferred. Address R. Whittmann, 502 East 79th St., New York City.

SITUATION WANTED—By hustling, all-around grower of Beauties, Teas, Carnations and general stock. Good grafter; nineteen years' experience. Capable of taking full charge; good at handling men. Abstainer, married; references. Address, stating wages and full particulars, V. E., care The Florists' Exchange.

SITUATION WANTED—By a thoroughly experienced gardener, Scotchman, on private or commercial place. First-class propagator; Rose and Carnation Grower. Three years as foreman in one of the leading Carnation plants. Highly recommended by present and former employers. Address W. J., Box 56, Mamaroneck, N. Y.

SITUATION WANTED—By man with life experience in Hardy Perennials and nursery stock. Good salesman; able to handle men. References from a firm where more herbaceous stock is grown than on any other place, can be furnished. Advertiser was employed by that firm for many years. Address V. A., care The Florists' Exchange.

HELP WANTED

WANTED AT ONCE—Young man for general greenhouse work. State wages wanted. F. W. Richardson, East Hartford, Conn.

WANTED—Good Carnation Grower. Must have had experience. Address, stating references and salary expected, U. H., care The Florists' Exchange.

WANTED—Young man to work in rose houses. Must have some experience; only sober and honest men need apply. Wages $10.00 per week. Address, giving references, Stockton & Howe, Princeton, N. J.

WANTED—Rose Grower, to take charge of a section and to act as assistant foreman. Must furnish good references. Single man preferred. Wages $14.00 a week for a good man. Apply to Stockton & Howe, Princeton, N. J.

FOREMAN WANTED.

For large Rose establishment. Good salary, permanent position. All communications confidential. Give full particulars and salary expected. Address V. B., care The Florists' Exchange.

WANTED

To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade. Address SOUTHWORTH BROS., Beverly, Mass.

WANTED—Solicitors or Salesmen to obtain signatures to petitions asking Congress to enact a Parcels Post Law. Experienced parties furnishing proper references make good pay. Address Postal Progress League, 125 East 23rd Street, New York.

Experienced Rose Growers Wanted

Give reference and state wages in first letter.

ROBERT SCOTT & SON
SHARON HILL, DEL. CO., PA.

STOCK FOR SALE

CHRYSANTHEMUMS

STOCK FOR SALE—Chrysanthemum Stock Plants. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

CHRYSANTHEMUM STOCK PLANTS of White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS.—White: Early Snow, Polly Rose, G. S. Kalb, Touset, Poehlmann, Ivory, White Cloud, Eaton, Baby Marguerite. Pink: Pacific Supreme, Rosiere, Shaw, Gloria, Liger, Duckham, Dean, etc. Red: Shrimpton and Cullingfordii. Yellow: Golden Glow, Monrovia, Geo. Pitcher, Eaton, Appleton, Golden Eagle, Golden Wedding, Nagoya, Rieman, etc. 50c. per doz.; $4.00 per 100. President Taft, Golden King, Mrs. Kelley, Golden Dome, 75c. per doz.; $6.00 per 100. Mrs. A. R. Peacock and Mrs. Wm. Wincott (Totty Novelties, 1910), $2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

MISCELLANEOUS

10,000 Valley Pips,
As a whole or by the thousand; $14.00 per 1000. W. Draper, Rochdale, Mass.

PELARGONIUMS—Mrs. Layal, $5.00 per 100, $40.00 per 1000. 2-in. stock. Cash. A. J. Winget, Mansfield, Ohio.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

FERNS—Boston, Whitmani, Scottii and Piersoni, 5 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

CARNATION CUTTINGS

Jan. 1st, delivery of Beacon, White Perfection, Enchantress, $2.50 per 100, $25.00 per 1,000. Harlowarden, $2.00 per 100, $20.00 per 1,000. Satisfaction guaranteed. Order now for very best rooted cuttings. Cash with order, please. William McRoberts, Maple St., Waverly, Mass.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplaned, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country. Stove Plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $26.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

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Fine green tubs to hold these plants, $2.00 per doz.
Asparagus Plumosus Nanus, 3-in., very bushy, $5.00 per 100.
Kentia Belmoreana Palms, fine stocky plants, 4-in. pots, 12 to 15 inches, $2.50 per doz., $18.00 per 100.
Araucaria Excelsa, 3 to 4 tiers, extra fine, $6.00 per doz.
Cibotium, very special, 2-ft. broad, $1.25 each.
Table Ferns, extra fine, 3-in., $5.00 per 100, 2½-in., $4.00 per 100, ready for use.
CASH with ORDER.
THADDEUS N. YATES & CO.,
Nurserymen and Florists,
Mt. Airy, Philadelphia, Pa.

STOCK WANTED

WANTED—5,000 Enchantress and 5,000 White Perfection, unrooted Carnation Cuttings. J. Niel Jakobsen, Mgr., Springfield, N. J.

WANTED—200 Magna Charta Roses, 2 or 3 years old; must be large and strong.
C. H. Campbell,
3601 Germantown Ave.,
Philadelphia, Pa.

WANTED—5,000 transplanted Winter Beauty, Lorillard or Comet Tomato Plants. State price per 1000. Also 25,000 one year old Amwor River Privet, 15,000 one year old California Privet. Nurserymen will oblige by sending us their price lists of Roses and flowering shrubs, Peonies, etc., for cut flower purposes. Fox-Hall Farm, Norfolk, Va., R. F. D. No. 2.

FOR SALE OR RENT

FOR SALE—Florist business in Baltimore, Md., western section, doing a profitable business. Good bargain if sold at once. Best of reason for selling. Address, A. Locher, 2026 W. Pratt St., Baltimore, Md.

FOR SALE—Old established retail flower store, located in one of the best centers in Philadelphia, uptown, doing a good business. Good name and reputation; best of reasons for selling. Splendid opportunity for right party. For particulars address V. F., care The Florists' Exchange.

A Good Proposition

An interest in a Live Kentucky Establishment, doing a fine Catalog and Nursery Business of long standing. May be purchased by a Strictly Live Man, who may take charge of Greenhouses and Grounds.

For particulars address KENTUCKY,
Care The Florists' Exchange

SUNDRIES FOR SALE

FOR SALE—Covered automobile delivery wagon. For photo and full particulars write to
H. F. Littlefield,
Worcester, Mass.

FOR SALE—Two weathered sectional boilers, capacity 2,600 ft.; 4 in. pipe, complete in every way. Price $100.00 each. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J., Jersey City, N. J.

AUTOMOBILISTS, ATTENTION—Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $35; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—500 boxes of 12, 14 and 16 inch double thick glass; 20,000 feet of 2-inch wrought iron pipe, perfectly new; 10 sectional and solid cast iron boilers; 1000 feet ventilating apparatus and sash; 500 3 x 6 feet hot bed sash; 3 complete greenhouses, each 20 feet wide and 175 feet long, glazed with 16 x 24 inch glass; for sale cheap.
I. Suesserman, 229 Livingston St., Newark, N. J

FOR SALE—One new 5-section Metropolitan water boiler, guaranteed to heat 4,000 sq. ft. of glass, $100.00.
One new 6-section, guaranteed to heat 5,000 sq. ft. of glass, $118.00.
One new 19-in. round boiler (water) guaranteed to heat 1,500 sq. ft. of glass, $43.00.
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1500 ft. brand new standard commercial black steam pipe at 8c. per ft., all threaded and coupled.
New 10x12 double-thick glass at $1.90 per box; 16x12 double-thick glass at $2.40 per box.
New ventilating apparatus at $33.00 per 100 ft., complete.
METROPOLITAN MATERIAL CO.,
1400 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED TO BUY—Floral store or lease retail greenhouses. Address "Retailer," care The Florists' Exchange.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, 20,000 to 30,000 feet of glass and some land on retail place. Wanted to take possession on April 1st or later on. Address V. C., care The Florists' Exchange.

WANTED TO LEASE—Greenhouses, view of purchase, with fair amount of land attached. Vicinity of New York City. Reply W. Maynard, 73 Warburton Ave., Yonkers, N. Y.

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Stock for Sale Column

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25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 3.95c. per ft.

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5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

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Please mention the Exchange when writing.

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THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

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DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

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THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.26.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.60.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $3.00. New edition. Prospectus.

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HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of, purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions.

Will you inform me, through your valuable paper, as to the heating of two houses connected and running east and west, with a hot water system?—Each house is 100 ft. long, 20 ft. wide, and 11 ft. high at ridge, with a double boarded wall on the north side of one house and on the south side of the other, and open in the center. On the west end is the potting shed, and the east end glazed, with a 2-ft. wall at bottom. I wish to maintain a heat of 52° in zero weather, to grow Carnations and to use 2-in. pipe. How low am I to set the boiler, also what size pipe running from boiler?—X. Y. Z.

—Each house will require twelve runs of 2″ pipe. Install a boiler of not less than 2,000 lineal feet, 4″ pipe capacity. I mean by this, a boiler rated on 4″ pipe capacity, and not square feet of radiation. There is quite a difference in this, which, I trust, other florists besides yourself will take advantage of in reading. A simple layout will be a 4″ flow and return main to take in all pipes except the two coils on the outer side of each house, which last two coils can be connected up from the 4″ with 2½″.

You do not give me the layout of benches, so I cannot very well arrange your piping, except that I would place four lines of 2″ pipe either on the sides or under the side benches, according to the way the houses are planned. This will provide for eight lines of the twelve, and the other four can be distributed under the center benches. If you decide to make up these coils of four pipes each, and can arrange to lay them side by side, feed with 2½″ connection from the main, into the two 2″ flow pipes, and grade up to the far end into a four branch header of not less than 2½″ run, and return with two 2″ pipes, connecting into the main with 2½″.

If you decide that the four 2″ pipes under the center benches will be in one coil, make and connect up similar to the ones described above; but if you decide to make the four pipes up into two coils of two 2″ pipes each, take connection from both the flow and return main with 2″. Place a full opening gate valve on each coil at flow connection near the main.

The connection between the boiler and the mains will on both be one 4″ or two 3″. Set the boiler in a pit of ample depth, so that the mains can run across the west ends of the houses below the doorways.

The above layout, you will see, is for a job entirely done what we term "under-bench," that is, there will be no overhead flow mains. Allow the grade of the 2″ pipes to be not less than ¼″ in 9′, or, say not less than 4″ total raise in 100′—more if you can give it.

Allow the return connections from the coils into main return to come in on the side of the main, and not to drop down from the coils into the top of main. In case you cannot arrange pipes on the sides of the houses, side by side, that is in case you have a path along the sides, and must place the pipes on hooks, over each other, you can follow the same details as to sizes of connections, both flows and returns; only on the flow you will use a header or special greenhouse fitting that will suit 2½″ flow connection and the same on the return.

If you had followed the instructions printed at the head of this column, I would not have to assume so much in the layout, but knowing general conditions, I sometimes "guess" correctly. I have had so many letters with meager details, that I trust other readers who contemplate writing will observe the printed instructions.

I have four houses with solid beds, houses run east and west, 17 x 150; on ridge 8 ft., sides boarded, 3 ft. high; new and bright, heated by two cast iron sectional boilers, hot water, grate No. 1, 41 x 48, No. 2, 33 x 48. With a good fire in large boiler I keep house at 40° when thermometer outside is 28°, water 100° in boiler; fires in both boilers (good fires), water 160°, houses 40°, outside 10°. I claim circulation is O. K.; if it was not, water would reach 200° or more with two good fires. Am I right in this idea? I have one 3 in. flow center, and seven 2 in. returns in each house, 3 front, 4 north side, connected to one main flow and one main return 5 in. I wish to add another house, same size, to this range. My present boiler returns are 3 ft. below returns in houses. If I add another boiler grate, 20 x 48, with a new house, and put boiler so flow would be below returns in house, would any circulation be improved in all five houses? That is, would the third boiler increase circulation if connected to main flow and return? I think the circulation is all right because the water temperature is so constant. With good fires water will reach 160° or 170° and remain there. Looking over tables, I see 8,500 ft. radius (same as mine), should care for 34,000 ft. glass at 50° in zero weather; and yet my boiler will keep 12,000 ft. glass at less than 40° in zero weather. Can you tell me the trouble? About how many tons of good stove coal should be required for one season (New Jersey), for my four houses to keep them 40°?

N. J. Subscriber.

—You have sufficient heating surface in each of these four houses to maintain, in zero weather, 50°, with the temperature of the pipes at 170°. You have ample boiler capacity to take care of these four houses. It think a 16 in. flue is the minimum size that I would use for each boiler. A 5 in. flow main is rather small, 6 in. would be better for a low pressure gravity job, and should be so arranged that each boiler flows into the 6 in. Connections between boiler and mains for each boiler should area not less than that equal to two 3½ in. pipes. These dimensions for mains apply to the returns as well as the flow. The 3 in. flow in each house is rather small for this length of run on an open tank gravity job, for after leaving the main flow you will approximate 700 sq. ft. of heating surface on each 3 in. connection. In my practice I would not use less than 3½ in. Be careful to see that all flow mains grade down from the highest point to the far end, and that all returns grade down from the far end to the boiler. This means that after you leave the high point, and run the flow main across the near ends, that they must drop and not rise, for that would form traps. The same will apply to the returns; they must grade toward the boiler; that is, the lowest point of the return mains will be at the points where you take off the connections for the return from the main into the boilers. Be sure and arrange the air vents at the highest point, so that air cannot accumulate. I advise an automatic air vent placed at this point. The depth of your boiler pit is partly responsible for the low temperature that you obtain in the 2 in. heating coils. You can get at the boiler 160°, and you maintain in the house 40°, with outside temperature 10° above zero, but you do not state the temperature at the return; possibly because you have no thermometer in the return. But I know from the layout of this job that you will probably not come back to the boilers above 100°, which will show you that the average temperature in your pipes would not be over 130°, which would not be sufficient to warm the houses to 40° in zero weather. You would get better circulation in some of the houses if the returns were all brought in the side of the main. Under your present conditions, I would not advise adding another house until you rearrange the system. I would suggest that you install a heat generator of the mercury type on the system, at once. You can connect it up on the expansion pipe that leads to the expansion tank. By using this generator, you will be able to accumulate a pressure up to ten pounds above atmospheric pressure, which will give you a corresponding increase in the temperature of the water. That is what you are after, and it is the best proposition for you to take on, as the Winter weather is now pushing you to the limit. Do all the 2 in. pipes seem to be about the same temperature, or do some of them remain cold? If they do, this would indicate that there is possibly some trouble in the manner in which you have connected the returns.

Will you kindly give the amount of 2 in. pipe and the proper amount of flows and returns necessary to heat four greenhouses to a temperature of 57° to 65°? We occasionally get an outside temperature of 10° to 15° below zero. The houses are following dimensions: three 100 ft. x 18 ft.; 8 ft. 6 in. to ridge, 4 ft. to eaves, 14 in. glass. Ends glass; walls and divisions between houses 4 in. concrete. One house 100 ft. x 10 ft.; 8 ft. 4 in. to ridge, side walls 4 ft; all 4 in. concrete; end part glass. Houses run north and south. Shed, boiler pit and office run across north end of houses.

The same boiler heats office, 12 ft. x 18 ft. with 8 ft. ceiling, and workshop, which is in a separate building, 25 ft. x 15 ft. with 8 ft. ceiling. I enclose a sketch of how the 18 ft. houses are piped; at present the 10 ft. house has 8 runs of 2 in. pipe equal number of flows and returns; pipes under benches, Cypress, 2½ ft. high; three benches in 18 ft. house as follows: 7 ft., 2 ft., 3½ ft.; 10 ft. house, two benches, 4 ft. Office heat by five runs 2 in. pipe, 16 ft. long; workroom five lines 1½ in. pipe, 30 ft. long.

Boiler pit, 12 ft. x 18 ft.; 7 ft. deep at west end of shed. Ideal boiler, American Radiator Co., 4,200 ft. radiation capacity; chimney flue, 14 in. x 16 in., 35 ft. high. Hot water system.

We are unable to keep at temperature needed unless boiler is constantly forced. Where is the trouble and what the best remedy? G. M. B., N. Y.

—You will require fifteen runs of 2 in. pipe to maintain 65° in the 18 ft. houses, with a temperature of 10° below zero, outside; thirteen lines will maintain 65° in zero weather.

Your present layout should maintain 57° to 60° in the 18 ft. houses, and 60° to 65° in the 10 ft. houses, in zero weather. You state the boiler has a rating of 4,200 square feet of radiation. You will approximate in the greenhouses about 3,000 sq. ft. of coil surface, including mains and connections.

Coil surfaces in square feet are much more efficient than square feet of radiators. Consequently, the strain on the boiler is much greater with coil surface than with radiation, the amount of square feet, of course, being equal. Allowing 20 per cent. for the difference in the coil surface and radiators, will bring the efficiency of your boiler, based on the ratings of the manufacturer, at 4,200 sq. ft. of radiation, down to 3,350 sq. ft. of coil. This is the maximum capacity, and the manufacturers would not, I think, guarantee the boiler to carry the amount of radiation they specify.

You will see that, in my opinion, your boiler is rather small for the amount of surface you have on it. I would have installed a boiler of not less than 4,000 lineal feet 4 in. pipe capacity; or, if a boiler of the make you mention, one rated at least 5,000 sq. ft. of radiation. There is no economy in an overloaded boiler. The size of mains should start not less than 6 in. and reduce proportionately as you take off the coils. I mean by this, that the outlets from boiler to mains, and part of the mains should not be less than 6 in.

The smoke pipe on your plan shows 10 in., and it is entirely too small; the flue has a capacity of 224 sq. in., while the area of your smokepipe, assuming, of course, that it is round, will be only 78½ in. Increase this smakepipe to 15 in. and you will procure higher efficiency from the boiler. You should be able, with the amount of heating surface you have, to maintain 57° to 60° temperature, except in weather which reaches, as you say, now and then, below zero. This assumption, of course, is based on the piping being correctly installed.

In installing smokepipe, be sure and see that the pipe does not extend into the flue beyond the inside surface of the flue; for, if that happens, you reduce the efficient area of the flue, and it will reduce the draft. The joints of the smokepipe, where fitted on the smokehood of the boiler, should be tight, and the same to the entrance of the flue. Be careful and see that these are all cemented up.

If you have a cleanout in the chimney below the smokepipe be sure and see that this is tight. You may be able to overcome the shortage of heating surface in the greenhouses, if you wish to maintain higher temperature than what I mention above, by installing a mercury heat generator. The obstacle that you would be up against, in producing additional pressure by using the heat generator, would be the possible lack of capacity of your boiler to increase the pressure to any appreciable extent; however, I would install it, but do not forget the change in smokepipe is the one thing absolutely necessary. The heat generator should be installed on the piping leading from the system to the expansion tank; that is, it must be placed between the expansion tank and the piping to which the expansion tank is connected at present.

Retail Trade Notes

MINNEAPOLIS, MINN.—The quarters in the burned Brunswick Hotel occupied by Oscar E. Amundson entailed on him a loss amounting to $1000.

REDLANDS, CAL.—The City Nurseries Corp. is to open a florist store on Citrus ave. The rear of the store is to be used for a seed department.

CLARKSBURG, W. VA.—The Hayman Greenhouse Co., whose greenhouses are located at Bridgeport, has opened a store in the new Goff building.

BURLINGTON, IA.—Under the style of The Burlington Floral Co., a florist store has been opened at 216 N. Fourth st., under the management of J. G. Hamelman.

ATLANTIC CITY, N. J.—Walter R. Thoms of Egg Harbor, N. J., has bought the flower store of M. S. Fleming, 1315 Pacific ave., one of the most popular stores in town.

LOCKPORT, N. Y.—Charles L. Dole, florist, has opened a retail store at 88 Main st. The new store is very handsome in its appointments, and quite unique in its layout. An uptodate stock of supplies and auxiliaries is carried, and Mr. Dole will cater to a first class trade.

SURPLUS STOCK OF CALIFORNIA PRIVET FOR SALE
500,000 CUTTINGS
Strong cuttings, 8 inch, $1.00 per 1000. Delivery after January 1, 1911.
BOXWOOD, 18 inch, $35.00 per 100.
JOHN F. SIMON & SONS, Florists and Nurserymen, BUSTLETON P. O., PHILADELPHIA, PA.
Please mention the Exchange when writing.

CARNATIONS, Rooted Cuttings
Pink Delight, Beacon, Apple Blossom, Georgia, White Perfection, Enchantress and Winsor
Send for Price List. BRANT BROTHERS, Inc., UTICA, N. Y.
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Landscape Gardening

PROF. CRAIG
A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.
A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.
The Home Correspondence School
Dept. F. E., Springfield, Mass.
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Florists Nurserymen—Seedsmen
If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write
NATHAN R. GRAVES, 413-414 Hayward Bldg Rochester, N. Y.
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HOLLY GIFT CARDS
Any name, printed, 20c. dozen. MONOGRAM XMAS STATIONERY, three initials, if wanted, 50c. box. General printing. Samples free.
FRED. A. SOTTER, Douglassville, Pa Box 86L
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PLANT PRESERVATIVES
Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of $1.00. Barton, 415 Columbus ave., New Haven, Conn.
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Reliable Supplies for both Wholesale and Retail Florists

ADVERTISEMENT OF

THE PINE TREE SILK MILLS CO.

This company are **RIBBON MANUFACTURERS.** Weave ribbons of quality and sell direct to Florists. This means that you may buy here all the different qualities, grades, styles, etc., that you now use, at a saving of the Jobber's profit.

WHAT IS THIS JOBBER'S PROFIT?
Send for samples and prices. Be convinced.

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PHILADELPHIA, PA.
806-808-810 Arch Street
52-54 North Eighth Street

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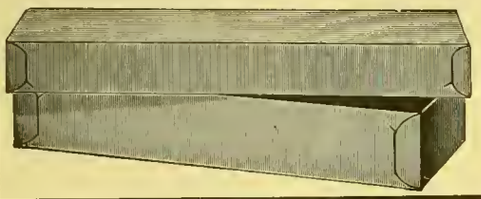
CUT FLOWER AND DESIGN BOXES



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WRITE US
C. C. Pollworth Co.
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FANCY OR DAGGER FERNS $1.00 per 1000

GALAX, bronze or green, 75c. per 1000.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.
Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.
LAUREL BRANCHES, large bunch for only 35c.
SMILAX. Order our Special 50-lb. cases of Smilax for your Christmas Trade; only $5.00, and it's fine quality, too.
LAUREL WREATHS, $2.00 to $3.00 per doz.
PINE WREATHS, $1.50 to $3.00 per doz. Try a few of our Pine Wreaths at $1.50 per doz. They are bargains. First come, first served.
10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.
Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,
All Decorating Material in Season.

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Manufactured by
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Samples free. For sale by dealers
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Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
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To the Purveyors of the Sweets of Nature"

We Recommend

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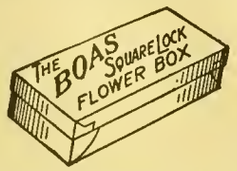

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William J. Boas & Co.
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50 lb. Case Extra Fine Smilax

$1.75 Per Case

Quality guaranteed. When in need of extra good Smilax in any quantity, write or wire.

NEEDLE PINES 2 to 4 feet, $3.50 to $4.00 per 100.

HENRY M. ROBINSON & CO., Pine Apple, Ala.
You can rest assured that all orders placed with us will be filled to your entire satisfaction. Unknown customers, satisfactory references or C. O. D.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
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Wholesale Commission Florists
Dealers in Fancy Ferns
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Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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All Telegraph and Telephone Orders Given Prompt Attention
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Greens of Every Kind and Florists' Supplies
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ORDER YOUR
WILD SMILAX
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Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**
Place your Christmas orders now, for Holly, Mistletoe, Palms, Pines, Magnolia Leaves, and Moss.
Wire or write your wants. Satisfaction guaranteed.
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WE MANUFACTURE
ICE BOXES
The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.
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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.
For full particulars address
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Sheppard Fish Food

A perfectly pure article, specially prepared for feeding Gold Fish, etc., kept in Aquaria or Globes. Price 75 cents per dozen, delivered anywhere in the United States. Retails for 10 cts. per box
MANUFACTURED BY
STUMPP & WALTER CO., 50 Barclay St. NEW YORK
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Reliable Supplies for both Wholesale and Retail Florists

The Florists' Supply House of America

We extend to all our Friends and Patrons, New and Old, A Merry Christmas and A Happy New Year

Your united support made the year 1910 one of the biggest and most prosperous we have ever had. Your generous support helped to make us

The Florists' Supply House of America

We know that the continuance of that same support in the future will be your success as well as ours.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

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CLUBS and SOCIETIES

New Haven Co. (Conn.) Hort. Soc.

At a regular meeting of this Society the following officers were elected for the ensuing term: John N. Champion, president; Davis Kydd, treasurer; Jas. Kydd, vice-president; Frederick H. Wirtz, secretary; John C. Morton, press secretary. Board of Managers, the above and Robert Paton, Richard Bill, Wm. H. Beattie, and John H. Murray. The financial statement of the Society sent to the Department of Agriculture, Hartford, showed the Society to be in a flourishing condition, all things considered.

The report was well received and a hearty vote of thanks extended to the board of managers for their efficient work during the year.

Yonkers (N. Y.) Hort. Society

This Society met on December 16, the principal business transacted being the election of officers for the ensuing year. On the first ballot for president, equal votes were cast for two nominees, but when a second ballot was taken, Lee Whitman was elected by a small majority. Other officers are: vice president, T. Mahoney; secretary, H. Nichols; corr. secretary, H. M. Blanche; treasurer, P. Macdonald. Executive committee: J. Houghton, F. Drexler, H. Wells, J. Mooney, E. Bann, E. Bennett. Considerable responsibility devolves upon the dinner committee appointed, as upon their efforts depends the repetition of last year's very successful annual. M. Canning, superintendent for A. Lewisohn, exhibited some very fine Poinsettias, winning a prize offered by M. Melliott.

H. M. BLANCHE, Cor. Secretary.

Morris Co. (N. J.) G. and F. Society

Election of officers for 1911 took place at the last meeting of the Morris Co. Gardeners' and Florists' Society with the following result: President, John Downing; vice president, Robert Tyson; treasurer, Wm. Duckham; secretary, Edward Reagan; asstant secretary, R. M. Schultz.

Four new members were elected to the executive committee, which stands now: A. Herrington, Thos. Stokes, Geo. Harvey, C. H. Tottey, John Dunn, Wm. Mühlmichel, Ernest Wild, G. F. Neipp, H. B. Vyse, J. C. Elliott, Joseph Manda and David Falconer. A hearty vote of thanks was given our retiring president, Thos. Stokes, and many speeches of congratulation were made on his successful administration and able fulfillment of his official duties. The president responded fittingly and with much feeling, and thanked the officers and members for the support they gave him during his term. E. G. Hill Co., Richmond, Ind., showed three vases of new Roses. Sunburst is a grand yellow; it had been cut over a week, had been shown in New York, and yet in spite of its long transition and knocking about was in fine shape, not a damaged petal; it was awarded a certificate of merit. Rose Queen, a beautiful deep pink, looks like a grand acquisition; it was awarded a certificate of merit. Mrs Aaron Ward is distinct and attractive; it was awarded a vote of thanks. Carnation Princess Charming from C. H. Totty's was something worth seeing, stems 4 ft., stiff and upright to carry the magnificent flower. Many expressed a desire to see it grow. Totty said, "Come over, boys." E. R.

Newport (R. I.) Hort. Society

The annual meeting of this Society was held on Tuesday evening, December 13, when the election of officers took place, with the following results: President, Andrew S. Meikle; 1st vice-president, William Mackie; second vice-president, Andrew J. Dorward; recording secretary, Daniel J. Coughlin; financial secretary, John P. Hammond; treasurer, Andrew K. McMahon; sergeant at arms, Wm. F. Smith. Executive committee—The first six officers named above, with the following: James Robertson, John T. Allan, Bruce Butterton, Alexander Fraser, Alex. MacLellan, Wm. F. Smith, Richard Gardner, C. M. Bugholt, and John Urquhart. Auditing committee—Bruce Butterton, W. Scott Sisson, Herbert Bliss. The reports read by the various officers, prior to the election, showed the Society to be in a highly prosperous condition; this applies to the work accomplished. Financially, the balance in the treasury is not large, but is on the right side. Under the guidance



Andrew S. Meikle

Elected President Newport, R. I., Hort. Soc.

of President Robertson, with the hearty co-operation of all the officers and committees, the year has been a most harmonious one and much good work has been accomplished. The past year has seen a great increase in the number of exhibits at the regular bi-monthly meetings and good work was done in helping along the displays made by the children in the home, and in the school gardens. The exhibitions given by the Society have been up to the standard, but have not been patronized as they should be. For a finely finished basket of Begonia Gloire de Lorraine, shown at the meeting, Wm. Mackie was awarded a first class cultural certificate. The new president, Andrew S. Meikle, has for a long time been financial secretary, has served on many committees, and is well qualified for his new position. The retiring president was tendered a rising vote of thanks. After the business was over a social session was held and plans discussed for the Society's welfare.

A. M .L.

Nassau County (N. Y.) Hort. Soc.

A regular meeting of this Society was held in Pembroke Hall, Glen Cove, on Wednesday, Dec. 14. There was a large attendance. The Westbury boys turned out in force and the meeting was most enthusiastic. G. Angier, superintendent to B. Stern, Roslyn, and R. Marshall, Jr., Glen Cove, were elected members; and three applications for membership were received. The judges for the night were Messrs. Bertanzel, Johnston and McKenzie, and their decisions follow: Society prizes: Best 100 Violets, T. J. Trepess; best 25 Sweet Peas, Paul Reul, who also received honorable mention for vase of Sweet Peas; best three cut Poinsettias, J. McDonald. The Hitchings' silver cup was presented to Alex. McKenzie, another proof of his being past master in growing Chrysanthemums. The Lord and Burnham Co.'s gold medal was presented to R. Marshall, for growing Roses so well. Both prizes were won at our last Fall show. A few sprays of Stevia, an improvement over the old, were shown by Chas. Lenker, Freeport, L. I.; it had many points in its favor, and we shall no doubt hear more about it at some future exhibit. T. J. Trepess was the winner of the yearly competition, with George Wilson second. The following gentlemen were elected as officers for the coming year: President, T. J. Trepess, Glen Cove; vice-president, Jos. Robinson; treasurer, E. Brown; secretary, John T. Ingram, Oyster Bay; cor. sec., Oscar Addor. Executive committee: J. Barton, James Halloway, Geo. Ashworth, H. Gaut, E. Westlake, J. McDonald and J. McQuinn. Trustee: J. Everett. A hearty vote of thanks was given to the officers for their good work during the past year. Progress has been the byword all through, with the result that with a good reserve in bank and a solid membership we may well look forward to an even more prosperous year.

O. ADDOR, Cor. Secretary.



Stumpp & Walter Co.'s Florists' Plant Tubs

These Tubs have been made to compete in price with the very lowest priced Tubs on the market. The prices here offered are the very best that we can make, and the Tubs must be bought in the quantities as listed, in order to get the benefits of the quantity price.

Inside Measurements			PRICES		Inside Measurements			PRICES		Inside Measurements			PRICES		Inside Measurements			PRICES	
	Height	Width	Each	Dozen 100		Height	Width	Each	Dozen 100		Height	Width	Each	Dozen 100		Height	Width	Each	Dozen 100
No. 1	6 in.	6	25c.	$2.50 $20.00	No. 3	8 in.	8	30c.	$3.50 $25.00	No. 5	9 in.	9½	45c.	$5 00 $38.00	No. 7	11 in.	12	55c.	$6.00 $45.00	No. 9	13 in.	14	65c.	$7.00 $60.00
No. 2	7 in.	7	28c.	3.00 22.50	No. 4	9 in.	9	35c.	4.00 30.00	No. 6	10 in.	10½	50c.	5.50 43.00	No. 8	12 in.	13	60c.	6.50 53.00	No. 10	14 in.	15	70c.	8.00 65.00

IF any Grower would like a sample line of these Tubs, we will ship, freight paid, to any station within 500 miles of New York, a complete set of 10 Tubs for $5.00. If the Tubs are not satisfactory they can be returned and money refunded.

Stumpp & Walter Co

Specialty Department

50 Barclay Street

NEW YORK

Please mention the Exchange when writing.

The New Pure Seed Bill

H. R. 29163

To Messrs. Henry Nungesser & Co., of 63-65 Pearl st., New York City, dealers in Grass seeds, we are indebted for the text of the new bill introduced in Congress Dec. 13, 1910, by representative James R. Munn of Illinois, and which that gentleman has entitled the "Pure Seed Act of 1911." The text is as follows:

A Bill to regulate commerce among the States and with foreign nations, and to prevent the transportation of adulterated and misbranded seed and bulbs, and for other purposes.

Be it enacted by the Senate and House of representatives of the United States of America in Congress assembled, That the introduction into any State, Territory, or District of the United States from any other State, Territory, or District, or from any foreign country, or the shipment to any foreign country of any seed or bulbs adulterated or misbranded, within the meaning of this Act, is hereby prohibited; and any person who shall knowingly ship or deliver for shipment from any State, Territory, or District of the United States to any other State, Territory, or District of the United States, or to a foreign country, or who shall receive in any State, Territory, or District from any other State, Territory, District, or foreign country, and having so received shall knowingly deliver or offer to deliver in original unbroken packages, for pay or otherwise, to any other person any seed or bulbs adulterated or misbranded, within the meaning of this Act, shall be guilty of a misdemeanor, and for such offense be fined not exceeding two hundred dollars for the first offense and for each subsequent offense be fined not exceeding five hundred dollars or be imprisoned not exceeding one year, or both, in the discretion of the court: *Provided, however,* That this Act shall not apply to seed or bulbs to be used solely for propagation or testing and not for sale or distribution: *And provided further,* That nothing in this Act shall be held to prohibit the transporting, handling, and storing of seed and bulbs for the purpose of being cleaned, mixed, graded, or labeled before being offered for sale for seeding purposes.

SEC. 2. That the Secretary of Agriculture shall make uniform rules and regulations for carrying out the provisions of this Act, and, for the same purpose, may from time to time publish standards for different kinds and varieties of seed and bulbs and for different gradea of the same kind or variety of seed or bulbs.

SEC. 3. That the term "seed," as used in this Act, shall include vegetable, flower, cereal, grass, clover, forage plant, and other agricultural and horticultural seeds intended for seeding purposes.

SEC. 4. That for the purposes of this Act seeds and bulbs shall be deemed to he adulterated—

First. If seed purporting to be orchard-grass seed contain more than three per centum of seed of rye grass or meadow fescue; if seed purporting to be Kentucky bluegrass seed contain more than three per centum of seed of Canada blue grass; if seed purporting to be red-clover seed contain more than three per centum of seed of yellow trefoil; if seed purporting to be alfalfa seed contain more than three per centum of seed of yellow trefoil, burr clover, and sweet clover, singly or combined; or if any seed or bulbs purporting to be of one kind or variety contain more than five per centum of another kind or variety: *Provided,* That no seed or bulbs shall be deemed to be adulterated, within the meaning of this paragraph, when accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for giving the names and amounts or proportions of the kinds or varieties of seed or bulbs contained therein.

Second. If seed of any kind or variety of clover, alfalfa, or flax contain more than one seed of dodder to three thousand seeds of clover, alfalfa, or flax, respectively; or, if any seed contain weed seed to an extent which renders it unfit for seeding purposes.

Third. If any seed or bulbs contain, respectively, dead seed or dead bulbs or other matter in sufficient quantities to materially reduce the value for seeding or planting purposes: *Provided,* That no seed or bulbs shall be deemed to be adulterated, within the meaning of this paragraph, when accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for giving the amounts or proportions of live seed or bulbs and other matter contained therein.

Fourth. If there shall be knowingly added to seed any weed seed or dead seed, or any other matter materially reducing its value for seeding purposes: *Provided,* That it shall not be construed as a violation of this paragraph to blend different lots of seed of the same kind or variety which are not themselves adulterated, within the provisions of this Act, or to mix different kinds or varieties of seed when named and labeled so as to plainly show the same to be a mixture.

SEC. 5. That, for the purposes of this Act, seed and bulbs shall be deemed to be misbranded—

First. When one kind or distinguishable named variety of seed or bulb shall be offered for sale under the name of another kind or distinguishable named variety of seed or bulb.

Second. If in package form and the quantity of the contents is stated, they are not plainly and correctly stated in terms of weight, measure, or count, or if the package shall not plainly show the year in which the seed or bulbs were packeted.

Third. If the seed or bulbs be falsely labeled or branded as to the State, Territory, locality, or country in which raised or produced.

Fourth. If the package containing it or its label shall bear any statement, design, or device concerning the seed or bulbs contained therein, which statement, design, or device, shall be false or misleading in any material particular, or if the contents of the package as originally put up shall have been removed in whole or in part and other contents shall have been placed in such package.

SEC. 6. That whenever the Secretary of Agriculture shall have made public, in accordance with the provisions of this Act, any standards of seed and bulbs, it shall be lawful for seed and bulbs complying in all respects with the standards so published by the Secretary of Agriculture to bear upon the label, together with the name of the article, the inscription "United States Standard;" and any person who shall use such inscription or words of similar import in any way as descriptive of any seed or bulb, subject to the provisions of this Act, which does not comply with the standards so published by the Secretary of Agriculture, shall be guilty of a misdemeanor, and for each offense be fined not exceeding one thousand dollars.

SEC. 7. That no dealer shall be prosecuted under the provisions of this Act when he can establish a guaranty, signed by the wholesaler, jobber, producer, or other party residing in the United States from whom he purchased such articles, to the effect that the same are not adulterated or misbranded within the meaning of this Act, designating it. Said guaranty to afford such protection shall contain the name and address of the party or parties making the sale of such articles to such dealer, and in such case said party or parties shall be amenable to the prosecutions, fines, and other penalties which would otherwise attach, in due course, to the dealer under the provisions of this Act; but it shall not be lawful to place on any package or container of seed or bulbs any label showing that the same are guaranteed under this Act unless such label further shows that the guaranty is by the producer or wholesale or other dealer, nor unless such label further complies with the rules and regulations to be made by the Secretary of Agriculture, as herein provided for.

SEC. 8. That if any seed or bulbs that are adulterated or misbranded within the meaning of this Act and are being transported from one State, Territory, or District to another for sale, or, having been transported, remain unloaded, unsold, or in original unbroken packages, or if the same be sold or offered for sale in any Territory or District, or are imported from a foreign country for sale, or are intended for export to a foreign country, shall be liable to be proceeded against in any district court of the United States within the district where the same are found, and seized for confiscation by a process of libel for condemnation. And if any such seed or bulbs are condemned as being adulterated or misbranded, within the meaning of this Act, the same shall be disposed of by destruction or sale, as the court may direct, and the proceeds thereof, if sold, less the legal costs and charges, shall be paid into the Treasury of the United States: *Provided, however,* That upon the payment of the cost of such libel proceedings and the execution and delivery of a good and sufficient bond to the effect that such seed or bulbs shall not be sold or otherwise disposed of contrary to the provisions of this Act, or the laws of any State, Territory, or District, the court may by order direct that such seed or bulbs be delivered to the owner thereof. The proceedings of such libel cases shall conform, as nearly as may be, to the proceedings in admiralty, except that either party may demand trial by jury of any issue of fact joined in any such case, and all such proceedings shall be at the suit of and in the name of the United States.

SEC. 9. That the Secretary of the Treasury shall deliver to the Secretary of Agriculture, upon his request, from time to time samples of seed and bulbs being imported into the United States or offered for import, giving notice thereof to the owner or consignee, who may appear before the Secretary of Agriculture and have the right to introduce testimony, and if it appear from the examination of such samples that any seed or bulbs offered to be imported into the United States are adulterated or misbranded within the meaning of this Act, or are otherwise falsely labeled in any respect, or are of a quality forbidden entry into or forbidden to be sold or restricted in sale in the country from which exported, or are intended for adulteration purposes, or contain dead seed or dead bulbs, or other matter in sufficient quantity to materially reduce the value for seeding or planting purposes, the said seed or bulbs shall be refused admission under such regulations as the Secretary of the Treasury may prescribe: *Provided,* That the Secretary of the Treasury may deliver to the consignee such seed or bulbs, pending examination and decision in the matter, on execution of a penal bond for the amount of the full invoice value of such seed or bulbs, together with the duty thereon, and on refusal to return such seed or bulbs for any cause to the custody of the Secretary of the Treasury when demanded, for the purpose of exclusion from the country, or for any other purpose, said consignee shall forfeit the full amount of the bond: *Provided further,* That such seed or bulbs may be recleaned in accordance with such rules and regulations as may be prescribed by the Secretary of Agriculture, and when so recleaned as to comply with the provisions of this Act, the seed shall be released to the consignee or owner, but the screenings removed from such seed or bulbs shall be disposed of in the manner prescribed by the Secretary of Agriculture.

SEC. 10. That the term "Territory" as used in this Act shall include the insular possessions of the United States. The word "person" as used in this Act shall be construed to import both the plural and the singular, as the case demands, and shall include corporations, companies, societies, and associations. When construing and enforcing the provisions of this Act, the act, omission, or failure of any officer, agent, or other person acting for or employed by any corporation, company, society, or association within the scope of his employment or office shall in every case be also deemed to be the act, omission, or failure of such corporation, company, society, or association as well as that of the person.

SEC. 11. That this Act shall be known, described, and designated as the Pure Seed Act of 1911.

SEC. 12. That this Act shall take effect and be in force from and after its passage, except that no penalty of fine, imprisonment, or confiscation shall be enforced for any violation of its provisions occurring prior to the expiration of eighteen months after its passage.

If this bill is considered, in any of its provisions, inimical to the interests of seedsmen, or as covering rulings impracticable of carrying into effect, we should like much to hear from all interested.

Fine Ferns and Blooming Plants

Securely packed and delivered to the Express Company in good condition, when our responsibility ceases.

FERNS, Bostoniensis, Piersoni, Elegantissima, Exaltata and **Scottii,** 5 inch 25c.; 6 inch 50c.; 7 inch 75c. and $1.25; 8 inch $1.00 and $1.50; **Specimens** in 9 inch, 10 inch and 12 inch, $2.00, $3.00, $4.00 and $5.00.

SPECIAL VALUE IN THESE.

ARAUCARIA EXCELSA, 5 inch 50c.; 6 inch 75c.; 7 inch $1.00 and $1.25.
ARAUCARIA EXCELSA GLAUCA, 6 inch $1.50; 7 inch $2.50.
CYCLAMEN, Red only, best Christmas seller, 6 inch 50c., 75c. and $1.00.
BEGONIA LORRAINE, 5 inch 75c.; 7 inch $1.50.
AZALEA INDICA, 75c., $1.00 and $1.50.
SOLANUM (Jerusalem Cherries), extra fine, 5 inch, 6 inch, 7 inch, 25c., 35c. and 50c.
ROMAN HYACINTHS, 6 inch 65c.; 8 inch $1.25.

Stock all A1. Correspondence invited. Cash with Order.

THE H. WEBER & SONS CO., OAKLAND Maryland.,

Please mention the Exchange when writing.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

Please mention the Exchange when writing.

THE CHEAPEST FERNS

Are not always the best to buy.

Ours are not the cheapest, others may be just as good but none are more carefully packed. We keep all our old customers and occasionally gain a new one. May we send you a sample shipment? **$3.00 per 100, for 50 or 5000.** Cash or satisfactory references please.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

FERNS MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $66.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dickeonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $6.00 and $12.00 per 100.

Fern Seedlings in 8 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Boston Ferns, 7-in., 75 cents each, $8.00 per dozen.

Asparagus Sprengeri, 2½-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 30 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS, BARGAINS TO CLOSE OUT. POT-GROWN, FINE STOCK.

Scottii, 4-inch pots, $12.50 per 100. **Todeaoides,** 4-inch pots, $12.50 per 100.

Pandanus Veitchii, 4-inch pots, well colored at 30 cents each.

HENRY ENGLER, 4651 Lancaster Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

8000 Whitmani

FOR XMAS BASKETS

These are fine stocky plants, just right for pans or baskets with other plants; 4 inch $12.50 per 100, 3 inch $8.00 per 100.

Superbissima, 4 inch $25.00 per 100, 3½ inch $20.00 per 100.

Todeaoides, 4 inch $20.00 per 100, 3 inch $12.00 per 100.

Fern Dish Ferns, 2¼ inch $3.50 per 100.

Asparagus Plumosus, 3 inch $5.00 per 100, 2 inch $2.50 per 100.

Cash please. We grow only plants and sell exclusively wholesale.

The Reeser Plant Co.
Springfield, Ohio

FERNS—FERNS

ASSORTED FERNS for Jardinieres, ready for immediate use, in 6 to 8 best varieties and good strong and stocky plants. 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in. pots, $6.00 per 100; 4-in. pots, $12.00 per 100.

COCOS Weddeliana and **KENTIA Belmoreana,** from 2¼-in. pots, 8-in. high, just right for center plants, $10.00 per 100.

ADIANTUM cuneatum, 4-in. pots, $12.00 per 100.

CIBOTIUM Schiedei, in various sizes, always in stock.

THOS. P. CHRISTENSEN, SHORT HILLS, N. J.

Baltimore

The Market

While the fast approaching holidays are accelerating business, the market trade this year is dull; usually trade at this time is good. An abundance of greens is thrown upon the market, and a glut is in sight, with the prospect of many left overs. Quantities of Mistletoe and Holly are being offered, at high prices, and in many cases the trade is holding off purchases. Christmas trees in many varieties are selling high. At present many banquets and dinners are requiring decorations. Cut flowers are at a premium. Carnations are hardly obtainable, bringing as high as 8c. each. Roses are a little steadier, at 6c. to 10c. according to quality. Paperwhites, White Romans and Lilies are short in supply. Poinsettias are fairly abundant and find ready sale. Cyclamen meet a good call. Sweet Peas are coming in slowly. Callas can be had in small quantities. Orchids are seen only here and there. Fine specimens of various Ferns and foliage plants are lavishly displayed everywhere, making a great show in the retailers' windows. Prospects for a good business are good, but the lack of cut flowers will handicap the orders. At times the retailers stand around at the Exchange, waiting for stock to come in, and quickly buy up arrivals. J. J. Perry, the manager, has his troubles trying to meet the demands, but his good judgment meets with approval.

Notes

We have been experiencing some Wintry weather. With the snow still with us the roads are almost impassable and it is quite a trying time to reach town. There is little sunshine, and the lack of it naturally keeps the blooms back; and the growers are afraid to force the blooms, being afraid of weakening the stems. When the bright sunshine comes again the market, it is feared, will be glutted with Carnations. Taking things altogether we are "up against it" this holiday season.

Last Saturday, December 17, Harry Ford died at his late residence, 27 North Eleventh st., Highlandtown, and was buried on Tuesday. Mr. Ford was at one time in the employ of S. L. Lambord Co., subsequently taking a position with the Meyer Stesser Co., with whom he was employed until his death. Mr. Ford was a young energetic man, was liked by the trade, and will be missed by all who knew him. J. L. F.

Washington, D. C.

As early as a week ago the city looked as though Christmas was right at hand, the effect increasing each day until now. Business has been brisk, owing to a larger number of dinner parties than usual, and an increase in the number of débutantes. The latter are using many of the old-fashioned bouquets of Violets, with fringe of Lily of the Valley. Holly seems abundant, and good in quality, though it is rather early for it to sell readily. There are quite a lot of good Roses on the market at present, and the recent cold wave has greatly improved Carnations. Signs are most favorable for good stock for holiday trade and a big demand for red Carnations at fancy prices. Beacon is the favorite, while Richmond as a Rose is in high favor and will command good prices. Along other lines prices, so far as can be foreseen, will be normal. A number of Pine and Spruce Christmas trees are arriving daily and being placed in position on the streets in front of stores, while windows and interiors are made gay with Poinsettias, Holly, etc. Among the pot plants, Gloire of Cincinnati Begonia is well in the lead, and but few of the Lorraine are seen. Quite a number of Azaleas are on sale, also a limited number of Primulas.

Z. D. Blackistone has had a busy week; one of the chief items was a very large funeral order from Greenwood, Va., in which the casket cover was of Violets and Valley, with several large wreaths of Orchids and Valley. The room was decorated by J. G. Shattmaier, chief decorator for Mr. Blackistone. Mr. Blackistone has also had decorations at the Japanese Embassy, and Shorebam Hotel.

The twelve inches of snow which fell a week ago still linger, and the weather has been very cold. Jas L. Carbery.

Norfolk, Va.

Frank Brunton resigned the management of T. W. Wood & Sons, Kenbrook Seed Farm, September 1 last, and is now managing Foxhall Farms, principally devoted to early truck, of which they cultivate 300 acres, including 40 acres in Strawberries. The concern is now building a Lord & Burnham greenhouse for early forcing, 300x25 feet. They are planting a good many Pæonies, Iris and Phlox, Gladioli, Tritomas, Lilium candidum and other varieties for wholesale cut flowers. The main crops will be early Tomatoes, Cantaloupes, Cucumbers and Strawberries. They have also a very extensive poultry plant of 1200 Plymouth Rocks and are now building a dairy for 50 cows, principally to supply the farms with fertilizer.

ASSORTED FERNS

For Dishes

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddelliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, extra heavy, from 2¼-in. pots, ready in large lots, $3.50 per 100; $30.00 per 1000.

20,000 **KENTIA Belmoreana,** clean stock, in 2¼-in. pots, $6.00 per 100; $55.00 per 1000. Cash or satisfactory references with order.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS READY NOW

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and Boston for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 6 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $5.00 per 100, $40.00 per 1000; $50 at 1000 rates.

NEPHROLEPIS MAONIFICA, 3½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Week's Work

BY

FPITZ BAHR

Cannas

Examine the Roots Stored Under Benches.

This is a good time to pay a little attention to the Cannas under the benches. They should be carefully gone over and examined as to their condition. If too wet, as is sometimes the case where the drip of a bench strikes them, they will start into growth long before you want them, which means a loss; or they might rot, and on that account perhaps more damage is being done than from keeping the root too dry. However, they are liable to suffer from dryness as well; if kept too much on the dry side they lose vitality and such roots when planted to start them will be slower in showing life, and when they do grow the shoots will be thin and weak in comparison with those which have been kept properly in such a way as to keep the roots surrounded by sufficient soil, sand or other material just moist enough to keep them plump, full of life and ready to go ahead the minute more moisture and a little bottom heat is applied. Because of these better conditions is why a greater percentage of your own kept roots of Cannas will produce plants of uniform size, in contradistinction to those you buy which, generally, haven't been kept properly. A great deal of trouble can be avoided by going over the Cannas carefully now. Some may have to be removed from the wet spots, others from or near to some heating pipes. Or a good watering might be of benefit to others. If you are short on certain varieties and it is your intention to buy a supply of roots, don't wait one minute; now is the right time to give your order. Cannas in a dormant state will be sold up to next May, but all the better bedding varieties, especially of the newer sorts, will be gone long before that time and none of them will improve by being kept in dry places or boxed up. Get them as quickly as possible. If not ready to start them you can, by placing the roots into sand or soil, not too moist, keep them in fine shape, and have them on hand when ready, thus getting out of a hundred eyes the greatest number to grow.

The Stock of Bedding Plants

The Attention Needed From Now On.

As soon as the average retail grower is through with his Christmas rush he thinks about his bedding stock once more. There was little chance to attend to anything else in the last three weeks than the preparation for Christmas, but now we begin to notice the stock plants of the Salvias, Geraniums, Heliotrope and others. None of these has any business to be underneath a bench or in a dark corner; all need light, sunshine and air in order to give us a good batch of cuttings. It is right to place plants of this kind almost anywhere for a short time if short on room, but to suppose that just as good results can be had from a Salvia plant in a walk partly below a bench is wrong—it can't be done. The small grower in particular makes too much use of double deck culture; no one can successfully grow a crop above and below a bench; usually one can find something wrong in such places, without much effort. A good plan is to go over all the stock plants now which have been in some way neglected, and properly clean, and perhaps cut back some of the old wood. If the plants have been grown in pots they may be greatly benefited by a shift into larger pots. If short on Geraniums, and a stock of old plants is on hand as well as bench room, by planting them out the best and quickest results can be obtained in a short time; such plants will break, all along the old hard wooded stems, in a few weeks and furnish fine material for the cutting bench. No matter how you attend to the Geraniums in small pots they will not produce the growth under those conditions they would when planted out. Plant in about four to five inches of soil, allowing twelve to fourteen inches of space between the plants. Don't make the mistake of taking the first lot of cuttings too soon; there is nothing gained by it; it is always better to allow a couple of eyes of the young growth to remain on the hard wood, as this will furnish the second batch of cuttings quicker than when depending on the hard wood to break again. A cutting with only two joints may root as well as one with four, but the latter will grow into a plant quicker.

ASCHMANN BROS.

FLORISTS

SECOND AND BRISTOL STS.
AND RISING SUN AVENUE

Philadelphia, Pa.

We Are Headquarters For Ferns and Araucarias

NEPHROLEPIS Bostoniensis, Scottii, Scholzeli, Whitmani and **Whitmani Compacta,** in 5½ inch pots, 40 and 50 cents each, 4 inch, $2.00 per dozen.

DISH FERNS, 2½ inch, $4.00 per 100, fine assortment.

ARAUCARIA EXCELSA, 5½ inch pots, 4 to 5 tiers, 50, 60 and 75 cents each, good value.

PRIMULA Obconica and **Chinensis,** 4 inch, $10.00 per 100.

ASPARAGUS PLUMOSUS, 4 inch, $10.00 per 100.

FICUS ELASTICA; 5½ inch pots, 35 and 40 cents each.

KENTIA BELMOREANA, 4 inch, 30 cents each.

DAISIES, Queen Alexandra, 4 inch, $8.00 per 100; 2½ and 3 inch, $5.00 per 100.

Mention if you want the pots. ***Cash with order, please.***

Please mention the Exchange when writing.

ROSES

FIELD GROWN

White and Pink Killarneys. Strong, two-year-olds, own roots and grafted, $12.00 and $15.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

POINSETTIAS
From 3-in. pots, $10.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $4.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $4.00 to $8.00 per 100.
ACHYRANTHES. Beet varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.26 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; **Crimson Bedder,** $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $2.00 per 100; $15.00 per 1000.
GERMAN IVY. $1.60 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. **Splendens** and **Clara Bedman,** $1.25 per 100; $10.00 per 1000.
VERBENAS. Mammoth set, unsurpassed, $1.00 per 100, $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing

PRIMROSES

	Per 100
Chinese	$1.50
Obconica alba and rosea (2¼ inch pots)	1.50
Obconica gigantea	2.00

ASPARAGUS SPRENGERI, 2¼ in. pots, $2.00 per 100.
ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 60c. per 100. Cash please.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Adiantums

Varieties Cuneatum and Farleyense.

For Christmas plant arrangements, no matter what flowering plants you might make use of, small plants out of 2½-in. or 3-in. pots, even 4-in., of Asparagus plumosus, Adiantums cuneatum and Farleyense are of the greatest value; and while, for lasting qualities, the Asparagus is ahead of the Adiantum, a Farleyense is the most beautiful. It may not adapt itself to all purposes where the other two might be used to good advantage, but neither can be compared with it when a decorative green is demanded to accompany Orchids, Valley or Violets. I noticed in one of the florists' shops in Chicago the other day some oblong Willow baskets filled with Lorraine Begonias, Roman Hyacinths and Adiantum Farleyense between them and of all the many different arrangements seen this was certainly as tasteful and attractive as any. Whether you have A. cuneatum planted out in benches, boxes or in pots, great care should be exercised in watering the stock now. Always bear in mind that we have arrived at the season of the year when the days are the shortest—and this holds good with the growth of most plants as well. When you water at all water well, but don't water unless the plants are in need of it. Many of us do not grow our own A. Farleyense; we find it cheaper as regards plants as well as cut fronds to let the specialist do the growing; but a good number of well furnished plants, ranging from 4-in. to 6-in. pot stock should be found in every place. In order to keep these plants in good shape, a house of 65 degrees temperature is needed. The A. cuneatum can get along nicely with 58 degrees to 60 degrees, but Farleyense needs more. If you have good sized plants from which you use the fronds, and wish to increase and grow some stock for another year, divide the plants into not too small pieces, shake out the roots, and pot these divisions into 2½" or 3" pots, using a sandy soil. Plunge the pots into sphagnum moss up to the rims, and with a bottom heat of 70° they will soon begin to grow and show life.

A Few Good Things You Want

HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.

DRACÆNA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C. $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C. $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing

$1.50 per 100, all 2-in. stock

Feverfew, Gem, Ageratum, Salvia, Asparagus Sprengeri: Primula, Officinalis Hybrids; Hardy sweet scented Cowslip; **Primroses,** Obconica Alba, Lilac, Rubra Hybrida, Rosea, Carminea, Sanguinea; **Cuphea, Heliotrope. Rubbers,** 6-in. 25c. to close out. **Paris Daisy,** yellow and white, 2-in. 2c.

Rooted Cuttings by Mail, postage prepaid

Paris Daisy, yellow and white, $1.00 per 100; **Cuphea,** 75c. per 100; **Heliotrope,** 3 kinds, $1.00 per 100; **Alternantheras,** 3 kinds, $4.60 per 1000; **Brilliantissima,** $5.00 per 1000; **Abutilons,** $1.25 per 100; **Hardy Pinks,** 6 kinds, $1.00 per 100; **Fuchsias,** 6 kinds, $1.00 per 100; **Ageratums,** 4 kinds, 60c. per 100, $5.00 per 1000; **Coleus,** 10 kinds, 60c. per 100, $5.00 per 1000.

Cash with order.

BYER BROS.,
Chambersburg, Pa.

Please mention the Exchange when writing.

SEASONABLE PLANTS

BOXWOOD for Window Boxes, finely shaped plants, $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100.
CLEMATIS Jackmani, Henryi and **Mme. Edouard Andre,** 2 years old, dormant plants, $3.00 per doz.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.
ARAUCARIA Excelsa, 6-in. pots, 3 tiers, 50c. each; 6-in. pots, 4 tiers, 75c. each.
HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.
JERUSALEM CHERRIES, 6-in. pots, full of berries, 20c. each.
HELIOTROPE, Dark Blue and **White,** 2½-in. pots, $3.00 per 100.
ROOTED CUTTINGS FROM SOIL, $1.00 per 100, of: **HELIOTROPE Dark Blue** and **White, VARIEGATED VINCAS, FUCHSIAS** in 4 varieties, **GERANIUMS,** assorted varieties, **Hardy ENGLISH IVY, ROSE GERANIUMS, SNAPDRAGON, White, COLEUS, Ferschaffelti** and **Golden Bedder; Euonymus Radicans** and **Golden Variegated.**

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Azaleas

The Plants Intended for Spring Blooming.

Many fine specimens of Azalea Indica were seen during the last week in the florists' windows. With most of us they came along with very little trouble, and any of the plants which are not sold for Christmas will adorn the show house for weeks. The next really great Azalea day after Christmas is Easter. There are but few growers who put aside too many for that time. We use Azaleas right along from now on until Easter, but the quantity, after all, is but small when compared with the number sold Easter week. The greatest difficulty we shall have this year, or rather season, will be to hold them until Easter. Among a lot of Azaleas there are bound to be

some plants that will come right along and develop their buds, while others under the same conditions will remain at a standstill. Therefore, it is well to set aside for Easter a good many more plants than actually intended for that day. As we go along we pick out the ones that appear to be anxious to bloom and let them do so. With Easter coming so late in Spring there will be no trouble in bringing even the most backward into bloom, with a few days in a good warm house. It is quite different with a plant once set with well advanced buds; you may hold such a one back for a while but you can't do it long; it will only stand so much when once that far advanced. From now on it should be made a practice to go over the plants regularly, and remove the new growth which will appear just below the flower buds. This growth is not wanted now, and if permitted to remain will not alone mean sacrificing a lot of flowers, but will detract from the appearance of the plants.

Azalea Mollis, Camellias and Spiraeas

All of Value to the Retail Grower.

The Azalea mollis cannot be brought into bloom as early as A. Indica, and while it can never be as popular as the other varieties yet, during the Spring months it is, indeed, among the showiest of plants. As good a place as any up to the last week in December for the plants is a pit, or deep coldframe. As we get room indoors, the plants can be brought in, potted up and placed in a cool house, from which a few can be brought to a higher temperature if wanted to bloom. With 60° to 70° of heat the ends of the bare and leafless stems will soon begin to make growth, and in a month the flowers will begin to show color; a cooler house should then be made use of to finish. While we have a few Camellias at Christmas in bloom the variety Campbell, leading as a red, from the middle of January on, there will be more of them seen. The slower you let the plants which are in bud now come the better, and the less the percentage of loss. A few well flowered plants of Camellias are always a great attraction in the store or show house. You can buy nice plants well set with buds in all sizes from 3½" to 8" pot stock. A house of about 45° will suit them nicely; if any are intended for early blooming, 5° more can be given. Spraying the foliage is of advantage. The Spiræas, or Astilbes are arriving, and if you have overlooked ordering some don't lose any time in arranging for a supply. You may not want many, but every retail grower should have at least a few of them on hand. That grand pink sort, Queen Alexandra, will be in demand next Easter, so will Gladstone as a white. Other great additions to the old favoritie Japonica are compacta multiflora and Blondin—all good. Use good sized pots, such as will accommodate the clumps without having to crowd them.

Smilax

Cultural Notes for the Present.

While I wouldn't recommend the small grower to cut all of the fronds of an Adiantum cuneatum when there are a number of young shoots visible, with a bench of Smilax, when the stock is once ready to be used, there is only one course to pursue and that is to clean up as you go along. If there should be a few plants not as heavy as the others, don't wait for them to grow on, remove them. You will find a way to make use of them. The idea is to let the part of the bench which has been cut down dry out for several weeks, until new growth begins. By drying out is not meant the withholding of water entirely, but keeping the bench on the dry side. Any plant, no matter of what description, will suffer when cut down to the roots, or even partly; as would be the case with a Geranium when the top is removed for propagating, and the same amount of water is applied after as the plant received before the operation was performed. Keep the soil of the Smilax bench, after the crop is removed, well cultivated. Let the warmth of the sun get into it. Furnish a new lot of strings; now is the time to do this, as the young growth will more than extend in three weeks from now, and the strings should be all there for the plants to get hold of. When active growth has begun again a nice light mulch of well rotted cattle manure, carefully mixed with some light soil, will be found greatly to encourage the growth. While your first crop of Smilax was ready all about the same time, if a little care is exercised and time taken the second crop of your bench will come along differently; you have it more under control, and all depends on how you handle it as to the result you can expect.

After Christmas

Suggestions of Value to the Retailer.

Most of the readers will have but little chance to look at the Exchange until after December 25, or until Christmas is once more a thing of the past. At the time of writing there is every indication that the heaviest business ever done will result this year; at least advance orders have been coming in in a way to encourage every one to anticipate this. The man who prepared for Christmas and stocked up in the different lines according to the business he did the year previous should not find himself with a lot of unsold stock hard to dispose of afterward. Stock of this nature is what eats up the profits, and to avoid it as much as possible careful study is required by the beginner in particular. On several occasions I have called attention to the necessity of keeping a record of the Christmas business. It isn't enough for one to know that he was busier than ever, had more help and worked longer hours, or even that there was a great increase in the sales of the month over those of last year; a correct record should be kept of how many cases of Holly and Southern Smilax were used, the number of yards of wreathing and other greens handled, and what was bought in cut flowers and plants outside of one's own supply. This may seem a lot of trouble, but when once made a practice and the full value of such a record is appreciated in the following year, I am sure it will be kept up and the system improved with each coming year. The day after Christmas everything is fresh in mind, and that's the time to make notes. If a separate order book was not kept for the Christmas orders, a book making it very easy to sum up the total, one can still put down approximately all the different items. A glance over them next Fall or Winter, when ready to order Christmas stock will be of valuable service. While you wouldn't have any trouble in placing an order now, with every thing fresh in your mind, without notes, it will be all forgotten in a few weeks. One thing is certain, the man who sells all or nearly all of the holiday stock he bought is better off than the one who has a lot of stock left over.

GERANIUMS

S. A. Nutt ..... $11.50 per 1000
Ricard and Poitevine .... 14.00 per 1000

As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order, or send ten cents for samples.

COLEUS

Verschaffeltii & Golden Bedder $6.00 per 1000
Standards, in assortment..... 5.00 per 1000
Giant-leaved, the best collection in the country, at $1.25 per 100 or $10.00 per 1000.

Cuttings will be well rooted, of good size and clean, the kind it will pay you to buy. I have them in any quantity.

Terms Cash.

ALBERT M. HERR, Lancaster Pa.

Please mention the Exchange when writing.

BARR'S GERANIUM ROOTED CUTTINGS

	Per 100	1000
Beauty Poitevine, salmon pink	$1.50	$14.00
Alphonse Ricard, vermillon red	1.50	14.00
John Doyle, cherry red	1.40	12.50
Buchner, white	1.25	11.00
Castellane, cherry red	1.40	13.00
S. A. Nutt, crimson	1.25	11.00

Immediate or later delivery.

Terme cash.

B. F. BARR & CO.
Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings

S. A. Nutt, Ricard, Poitevine, Buchner, Doyle and Castellane, ready for Shipment January 10th:—S. A. Nutt and Buchner, $10.00; others, $12.50 per 1000; Coleus Rooted Cuttings of Verschaffeltii Golden Redder and Victoria fine clean stock, $5.00 per 1000; 2-inch, strong, $16.00 per 1000, $2.00 per 100. Cash

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Doyle, S. A. Nutt, Buchner, 2-in pots, $1.80 per 100; $18.00 per 1000. Ricard, Poitevine and others, 2-in. pots, $2.00 per 100; $20.00 per 1000.

	R. C. Per 100	2-in. Per 100
Feverfew	$1.00	$1.60
Coleus	.60	1.50
Vinca Variegata	1.00	2.00
Ageratum	.60	1.50
Heliotropes	1.00	1.60

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

S. A. Nutt Geranium Cuttings

Especially fine: $1.50 per 100, $12.00 per 1000.

GEORGE B. HART, 24 Stone Street, Rochester, N. Y.

Please mention the Exchange when writing.

Geraniums!! Geraniums!!

S. A. Nutt, Beaute Poitevine, Brett, La Favorite, Buchner, Doyle, Brianti, Viaud, Castellane, General Grant and several others, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
FEVERFEW, 2¼-in. pots, $1.75 per 100; $15.00 per 1000; rooted cuttings, $1.00 per 100.
HELIOTROPE, 2¼-in. pots, $3.00 per 100.
FUCHSIAS, 2¼-in. pots, $3.00 per 100.
COLEUS, 2¼-in. pots, in variety, $2.00 per 100.
ACHYRANTHES Lindeni, rooted cuttings, $1.00 per 100.

Cash must accompany the order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings

Best Standard Varieties Mixed

$1.25 per 100. $10.00 per 1000

FLORAL HILL GARDENS, G. F. Nelpp, Proprietor CHATHAM, N. J

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

Orders of the following all booked for December: Poitevine, Jaulin, Viaud, Castellane and Ricard. For January, February, March and April, these will be $12.00 per 1000.

Orders taken for the following: Nutt, Doyle, Grant and Buchner at $10.00 per 1000. Cash with order.

FRED. W. RITCHY, First & Ruby Sts. LANCASTER, PA.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
DRACAENA Indivisa, field grown, 4 to 8 in. size	$8.00, $20.00 and $25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	2.00
CYPERUS Alternifolius, 3 in.	3.00
GENISTA Fragrans, 3 in., fine, bushy.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25
ROSE GERANIUMS, 2 in., fine	2.00
TRAILING LANTANA, R. C.	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

SEASONABLE PLANTS

REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.
BOSTON FERNS, 2-in., 3c.; 4-in., 10c.; 6-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.
PIERSONI FERNS, 4-in., 10c.
SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in. 35c. each.
DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 5-in., 20c. each.
ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.
CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

J. H. DANN & SON
Westfield, N. Y.

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By GEO. W. OLIVER

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S. A. Nutt, Beaute Poitevine, Buchner, and Mixed, out of 2¼ inch pots, at $2.00 per 100.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

Geraniums

ALL BOOKED FOR JANUARY

Peter Brown, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

RICARD S. A. NUTT BUCHNER

From 2½-inch pots

Extra Fine lot of Strong, Cool-Grown Plants $2.25 per 100, $20.00 per 1000

Order Now—Address

J. R. BROOKS
OXFORD DEPOT (Orange County), N. Y.

Please mention the Exchange when writing.

50,000 Geraniums. Not trees, but good short stocky plants cool grown. First 10,000, 2¼-in. pots, to be booked for January, 1911, delivery, at $15.00 per 1000, in lots as follows: 350 S. A. Nutt, 350 Buchner, 100 Castellane, 100 Ricard, 100 Poitevine.

Rose and Lemon Geraniums, Salvia Bonfire, Heliotropes, Swainsona Alba, Fuchsias COLEUS Golden Bedder and Verschaffeltii. All 2¼-in. pots, at $15.00 per 1000; 250 at the above rate. Cash with order.

P. J. SCHROEDER, Chapin Greenhouses, PINE BROOK, N. J.

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20,000 PRIMROSES

Obconica, Giants, the largest flowering, 3-in., $4.00 per 100.

Kewensis, the grand, new, sweet-scented, cut flower Primrose, also makes a fine pot plant; 3-in., $4.00 per 100; 2-in. $2.00 per 100.

10,000 CINERARIAS, Large-flowering, 3-in., $3.50 per 100; 2-in., $2.00 per 100, 300 for $5.00.

ASPARAGUS Sprengeri, 3-in., $3.00 per 100. These are well-grown plants and will please you. Cash Please.

J. W. MILLER, Shiremanstown, Pa.

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CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 5 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybrids All Colors, in bud and bloom, from 6 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $4.00; from 4 in. pots, $8.00 per 100. Satisfaction Guaranteed.

PAUL MADER
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CINERARIAS

BEST STRAIN

Chinese Primulas, Asparagus Sprengeri, Snapdragon, Dreer's Double Petunias, Mixed Geraniums, out of 2½ inch pots, $2.00 per 100, $5.00 per 300.

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CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL
WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
Please mention the Exchange when writing.

Review of the Market

NEW YORK, Dec. 21.—This week, to date, all stocks in the cut flower market have been moving sluggishly, with little change from last week's prices. The volume of stock arriving is not unusually large, but there is more than enough to satisfy the demand. Pink and white Roses, especially in the higher grades, accumulate, notwithstanding concessions in price. The arrivals in American Beauty Roses today have shortened up a little, but there are more than enough. Specials are selling for 40c. each, and sacrifice in prices is being made. White Roses are very abundant and are moving slowly, and pink Kilarney and My Maryland in the higher grades are not doing much better. The supply of Richmond is only very moderate, and the prices a little firmer than those of other Roses. Some Richmond are arriving too open, because the growers have held them back, unwisely, for Christmas week, and instead of realizing a higher price these Roses have to be sold at a sacrifice. The supply of Bride and Bridesmaid is in excess of the demand. Top grade blooms are bringing the following prices: Killarney and My Maryland, 8c.; Richmond, 12c.; Bride and Bridesmaid, 10c.; Chatenay, 20c. each. A few extra choice Richmond bring 15c. each in occasional sales. Concessions on these prices are frequently made. The lowest grades of blooms of all are bringing $2 to $3 per 100.

There is a moderate supply of Carnations, and though they move slowly, by the end of the day they clean out better than Roses. The range of price covering all grades is from 2c. to 6c. each. A few sales of extra choice blooms are recorded at 8c. In general, however, few Carnations realize more than 5c. each.

Though the Orchid supply has increased somewhat, it is believed that the Christmas supply will be rather short. The present demand is not over brisk. The choicest blooms of each kind bring as follows: For Cattleyas, $1; Dendrobium formosum, 40c.; Oncidiums, 10c.; Cypripediums, $1.50 per doz. Few Cattleyas realize more than 75c. each. The supply of Gardenias is not so great, and in movement they keep time with other stocks. The choicest blooms bring about $4 per doz. and the lowest grade blooms drag at $6 per 100. The arrivals of Lilies have increased; their movement is sluggish, and prices are down to 6c. to 8c. each. There is a moderate supply of Lily of the Valley, of which the top grade is moving best at $4 per 100, and the bottom grades quite slowly at $1 to $2 per 100. Violets are not over plentiful and the price appears fixed at $1.25 per 100 for good blooms, both single and double. Some splendid Poinsettias are seen, and the asking price is $3 to $5 per doz., but they meet with little favor with buyers at these prices for this early date. Miscellaneous stocks are all moving slowly at quoted prices. Paperwhite Narcissus and White Roman Hyacinths are slowest of all; in fact, there is a glut of both in the market. Some short Tulips of rather inferior quality are seen today; they find little favor with buyers at the asking price of 2c. to 3c. each.

Greens are moving a trifle better at quoted prices.

PHILADELPHIA, Dec. 19.—Business in the wholesale cut flower market today is not very active, nor was it so at the close of last week. This is said by the wise men to be attributable to the fact that people now are doing their Christmas buying of other goods and are waiting to buy their flowers for Christmas Day. It is expected that from the middle to the last of this week there will be the usual heavy buying both for shipping and local use. It is reported that even now the growers have disposed of everything available in the plant line. The sale of all Christmas greens is already very heavy, and shortages are already appearing.

There is a good supply of American Beauty Roses, but the demand is moderate. A few specials realize 50c. each, but 40c. each is the limit in price in most sales. Pink Killarney is very abundant and is not moving very fast. In some sales the choicest blooms bring 15c. to 17c. each, but in general 10c. to 12c. is the top price. My Maryland is not quite as plentiful, and move a little better at about the same prices. White Killarney and Bride are less plentiful than the pink varieties, and the demand absorbs them, therefore, more quickly, the former at the same prices as pink Killarney, and the latter at 10c. each for top grade. There are enough Richmond to supply all present demands. The choicest blooms are selling for 20c. each, but in general top grade goes at 15c. each. The lowest grades of all Roses except American Beauty are selling for from 5c. to 6c. each; a few go even as low as 4c. each.

Carnations today are a little more abundant, still the supply is not over large. The demand is moderate. The range of price covering all grades is from 2c. to 8c.; 6c. is the limit price in most sales.

Orchids are coming in a little more freely, and the demand readily uses all good blooms. Top grade blooms of Cattleyas are selling at 75c. each, Dendrobium formosum for 60c. each and Cypripediums for $15 per 100. Gardenias are in moderate supply and are moving well at $5 per dozen for the choicest selections. Lilies are coming in more freely and there is a fair demand for them at $15 per 100 for the best blooms. There is Lily of the Valley enough to easily meet the demand; the top grade blooms move best, a few at $5 per 100, but mostly at $4 per 100.

The moderate supply of Violets is moving slowly at 50c. to $1 per 100 for singles, and $1 to $1.50 for doubles. Only a few sell at the higher prices. There is miscellaneous stock enough of all kinds to meet every demand, and it is moving at a moderate pace only, at quoted prices.

Indoor greens of all kinds are finding more buyers, and prices are somewhat firmer.

BOSTON, Dec. 20.—The market has been steady and prices are ascending in most classes of goods. Flowers are not over abundant and complaints are heard everywhere of shortages; fortunately the demand has been almost equal to the supply.

Roses are in good crop and selling well at steadily increasing prices. Killarneys move at $4 to $16; My Maryland is in good demand at $3 to $12. Rhea Reid is quite popular as the color is particularly good at this time; $4 to $25 per 100 is asked. Bon Silene and Safrano are plentiful and prices at $4 to $25.

Carnations are scarce, quality is good, demand brisk. Prices are holding firm at $3 to $4 per 100 with extra choice flowers at $5 and $6. Pink Delight is largely grown this season and is very popular. Beacon is selling well in the scarlet class; White Enchantress and White Perfection are the favorites in white.

Violets are still scarce but since we have had cool weather the quality has materially improved; prices have increased slightly, and are now $1 to $1.50. Lily of the Valley is of better quality and prices have changed but little.

Cattleyas are scarce and prices have advanced somewhat; Cypripediums are plentiful.

Roman Hyacinths and Paperwhites are more plentiful; quality is improving. Lilies more plentiful; prices good. Marguerites, Wallflowers and Pansies are more plentiful; Stevia is of good quality and in good demand.

Pot plants are in excellent demand and splendid prices are obtained. Begonias and Poinsettias are all sold out by the growers and there will be none too many. Erica melanthera is a favorite for high-priced plants. Pans of Poinsettia sell well; there is not enough to supply the demand. Asparagus is selling well and so is Adiantum. R. C.

CHICAGO, Dec. 20.—The indications are that business will be exceptionally good during the Christmas rush, and on Christmas Day. The prices are now at the top notch, although not higher than last year at this date. There is a good supply of all flowers in season, with the exception of Carnations, which are not nearly in supply sufficient to meet the demand. Shipping orders are more and heavier than last year; especially is this the case with Carnations, showing that there is a shortage in this line all through the country. There is not, at this writing, any surplus stock in any line, and it is stated that no stock of any sort is being held back, contrary to what is expected at holiday times. Long stem and American Beauty Roses have not moved very rapidly, but will doubtless find a ready sale by the week end. The best are quoted at $12 per doz., varying in price down to $1.50 for shorts, and all extra fine blooms. Killarney and Richmond are also of superior quality. Prices have taken a stride, and as high as $25 per 100 is being received for extra fancy grades, down to $8 for shorts. Other varieties of Roses are equally as good and selling at from $6 to $12 per 100.

Reds lead in the Carnations, and the quantity of fancy grade Carnations coming in is almost incredible. Extra fancy reds are quoted at 12 cents each; other grades are also above the average in quality. Enchantress, White Perfection and all other staple kinds are equal in quality and are selling at from $5 to $10 per 100, according to grade.

There are very few Lilies obtainable, and they move nicely at from $15 to $18 per 100. Valley, fancy, has advanced to $5 per 100. Poinsettias are also much in demand, and while not quite up to the standard of past years some fairly good ones are seen at times, and sell at from $15 to $20, according to quality. Mignonette is superb; never has there been seen such immense spikes as at this season; the demand for it is good. Sweet Peas continue to increase in quantity, although the quality is not what would be wished; fancy stock is bringing $1.50 per 100, down to 75c. Stevia is still abundant. Fine Violets are arriving in excellent condition, both the double and single, and are in greater demand than for some time. Cattleyas continue scarce, although arriving in greater quantities, and this week finds them quoted at $10 to $12 per doz. There are some good Cypripediums and Dendrobiums obtainable at from $2 to $7 per doz. Gardenias have advanced likewise. Bouvardia is exquisite. A few Daisies, Pansies, and plenty of Paperwhite Narcissus are available.

In greens, Boxwood, Laurel and Christmas stock is in extra strong demand. All other green stock is excellent and the demand is all that could be desired.

ST. LOUIS, MO., Dec. 19.—With Christmas so near at hand, preparations for this event are chiefly occupying the time of our retailers. Business is not rushing; it never is just before the holidays, but this week we are looking forward to a big business week. The retailers are all stocking up with blooming plants, and from the looks of things out in the West End they are expecting a big, big plant trade. Pretty window decorations are noted among the leading retailers. There is plenty of good Holly in the market but bouquet green is scarce. The price on the latter is up to $17.50 per crate of 100 lbs. and hard to obtain at that price. Most of our retailers who had not placed advance orders are not handling it this year and content themselves with the sale of Holly, which is cheap—$3.50 per case—and all of good quality. Blooming plants of all kinds are in plenty, and if cut stock is going to be scarce and high in price, as they say it is, it will be a plant Christmas.

The weather of late has been fine, clear and cool, and if it keeps up this week we shall have plenty of everything in cut flowers. Last week stock came in more plentifully than for the past six weeks, and as trade was slow the commission men did not have clean-up sales as they have had. From advance price lists that our local commission men are giving out, prices look rather high, as follows: American Beauty Roses, long fancy, from $10 to $12 per doz.; next grade, $6 to $8, and shorts $2 to $3 per doz.; other Roses, such as Richmond, Killarney, My Maryland, Bride and White Killarney, extra choice, will run from $18 to $20 per 100; good stock at $10 to $15 per 100, and shorts from $6 to $8 per 100. Carnations in all colors and varieties run from $6 to $8 per 100, nothing less than $4 per 100. Violets will be in plenty at not over $3 to $4 per 100 for choice; Harrisii Lilies and Callas from $12 to $15 per 100; Paperwhite Narcissus, Roman Hyacinths and Lily of the Valley from $3 to $4 per 100; Sweet Peas, from $1.50 to $2 per 100. So from this list it shows that prices will be high, but the fine, clear weather, if it remains, should cut them a cent or two.

From reports of several of our leading firms, it would appear this early, that we shall have a splendid Christmas business in all lines, and especially so in blooming plants, for which there are a great many advance orders.

Here's wishing all a Merry Christmas and a Happy New Year. ST. PATRICK.

GROWERS' CUT FLOWER CO.
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106 West 28th St., New York (NEAR 6th AVENUE ELEVATED R. R.) Phones 167 and 4468 Madison Sq.

GROWERS, ATTENTION!
I am able to handle to advantage more stock than I am getting. Best location on 28th Street, near Hudson Tubes. To your advantage to correspond. Prompt returns.
Open 6 A. M. every day.
Please mention the Exchange when writing.

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Bonnet & Blake
Wholesale Florists
130 Livingston Street, BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Out-of-town orders carefully attended to. Give us a trial.

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Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street, NEW YORK
Telephones, 3870—3871 Madison Square

William P. Ford
Wholesale Florist
Consignments of Cut Flowers Solicited from Growers
45 West 28th St., NEW YORK CITY
Telephone, Madison Square 5335

D. Y. Mellis, Pres. Robt. G. Wilson, Treas.
GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

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Gunther Brothers
110 West 28th Street
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Violets, Roses, Carnations, Orchids
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
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A. MOLTZ & CO.
WHOLESALE FLORISTS
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Dec. 21, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 40.00
" extra	20.00 to 25.00
" No. 1	10.00 to 15.00
" No. 2	5.00 to 10.00
" No. 3	.75 to 1.50
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	2.00 to 8.00
Richmond	2.00 to 12.00
Mme. Abel Chatenay	3.00 to 20.00
Kaiserin	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	6.00 to 10.00
" extra	5.00 to 6.00
" No. 1	3.00 to 5.00
" No. 3	2.00 to 3.00
Mrs. Jardine	3.00 to 15.00
Adiantum	.75 to 1.00
Croweanum	1.00 to 1.25
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	2.00 to 3.00
Callas (per dozen)	1.50 to 2.00
Chrysanthemums, per doz.	1.50 to 5.00
Daisies	.50 to 2.00
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to 2.00
Standard Varieties	White	3.00 to 4.00
	Pinks	3.00 to 4.00
	Red	3.00 to 4.00
	Yel. & Var.	3.00 to 4.00
*Fancy (*The highest grades of Sta'd varieties)	White	4.00 to 5.00
	Pinks	4.00 to 5.00
	Red	4.00 to 5.00
	Yel. & Var.	4.00 to 5.00
Novelties		5.00 to 6.00
Gardenias, per doz.		.75 to 4.00
Gladioli		.... to ....
Lilies, Harrisii and Longi.		6.00 to 8.00
Lilium Eubrum		.... to ....
Lily of the Valley		1.00 to 4.00
Mignonette, per doz.		.75 to 1.25
Narcissus		1.00 to 2.00
Orchids, Cattleyas		.50 to 1.00
Cypripediums, per doz.		.... to 1.50
Dendrobium Formosum.		25.00 to 40.00
Oncidiums		5.00 to 10.00
Pansies, per doz bunches		.... to ....
Poinsettias, per doz.		3.00 to 5.00
Hyacinths		1.00 to 2.00
Smilax (per doz. strings)		.75 to 1.25
Stevia, per bunch		.15 to .20
Sweet Peas, per doz. bun.		1.00 to 1.50
Tulips		2.00 to 3.00
Violets, Double		.... to 1.25
Violets, Single		.... to 1.25

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

P. J. SMITH Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
The Home of the Lily
Consignments Solicited.
Telephones 1338 1998 Madison Square
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Telephones 1664 1665 Madison Square CONSIGNMENTS SOLICITED

EDW. C. HORAN
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Telephone, 1462-1463 Madison Square CUT FLOWERS AT WHOLESALE

Telephone 2336 Madison Square
Greenhouses: FOREST HILL, N. J.
Kessler Bros.
WHOLESALE
Plantsmen and Florists
136-138 West 28th St., NEW YORK
All kinds of cut flowers in their season.
Interviews with growers of cut flowers solicited
R. GRETSCH
Manager Cut Flower Department

Charles Weiss & Sons
127 West 28th St. NEW YORK
Telephone 1202 Madison Square
WHOLESALE FLORISTS
Receivers and Growers of Cut Flowers.
Consignments Solicited.

Telephone, Madison Sq. 4878
JOSEPH J. LEVY
Successor to
JOHN SELIGMAN & CO.
WHOLESALE FLORIST
56 West 26th St., NEW YORK

George C. Siebrecht Walter R. Siebrecht
Siebrecht & Siebrecht
WHOLESALE FLORISTS
136 West 28th Street, NEW YORK
The best sources of supply in the city.
Orchids - Valley - Roses
Violets and Carnations
Personal Attention—Consignments Solicited
Satisfaction Guaranteed

MARIE LOUISE VIOLET BLOOMS
A-No. 1 quality. Ready now. 200 to 300 can be sent by mail in boxes made for them specially. Postage prepaid for the month of December.
$1.25 per 100.
$1.50 per 100 specials.
Christmas week specials, $1.75.
Cash with order.
C. LAWRITZEN
BOX 261, RHINEBECK, N. Y.

New York

Gunther Bros., 110 West 28th st., received last week two carloads of fancy Holly from North Carolina, for supplying their holiday trade. As good Holly is not abundant this season, this shipment met with a ready sale.

W. P. Ford, 45 West 28th st., who was sick for several days recently, is now seen again at his place of business.

The sudden drop in the temperature on the night of December 15 caught some of the growers napping in the matter of packing and sufficient protection of their flowers in shipping, with the result that not a few Violets, Roses, Carnations, etc., arrived on Friday morning in a frozen condition. The effect of this sudden fall in temperature was also seen on the morning of the 16th at the N. Y. Cut Flower Exchange, where the total of blooms offered for sale is reported to have been three basketfuls, augmented by one bunch of Lilies.

Charles Smith of Woodside, L. I., recently narrowly escaped a freezeout at his greenhouses, where one boiler cracked and went out of commission and another sprang a leak.

Lilies at the end of last week took a drop in the market at the same time as the temperature, and found few buyers at $8 per 100.

Mr. and Mrs. W. W. Hannell of Watervliet, N. Y., were recent callers in the wholesale florists' districts. They were expecting to visit Madison, N. J., also.

For variety of plants, tasteful arrangement, and bright colors, the window display of August Millang "takes the cake" among the wholesalers of 28th st. Much

Prices Advertised in these Columns are for THE TRADE ONLY—

credit is due to Wm. H. Miller, who dressed the window. The stock shown of Poinsettias, Azaleas, Araucarias, Otaheite Orange trees, and Ferns is excellent.

J. Meiklejohn, who is at present traveling the West in the interests of H. Frank Darrow, 26 Barclay st., sent Christmas greetings to his friends here and may spend a few days in this city shortly.

Miss Conkling, bookkeeper for H. C. Froment, 57 West 28th st., has been absent from her desk for several days by reason of sickness.

The S. S. Pennock-Meehan Co., 109 West 28th st., is receiving a good supply of Richmond, Melody, Killarney and My Maryland Roses for the holiday trade.

George Cotsonas, 127 West 28th st., has busily employed a large number of extra hands, making wreaths and roping for the holidays, and he is kept on the jump with a rush of orders.

Among the passengers who sailed on Saturday, December 17, on the S. S. Mauretania, was Harry Turner, gardener to Howard Gould, Port Washington, L. I. Mr. Turner is en voyage to England, where he will pass the holiday season. Harry's "wad" ought to be a large one, his winnings at the shows this year being estimated at over $700.

Many friends of Harry Weston, the Hempstead florist, called upon him last Saturday evening to help him celebrate his 44th birthday. A most enjoyable evening was spent—and larder and cellar stocks satisfactorily depleted, many of the guests being brother florists.

The committee on awards of the New York Florists' Club visited the establishment of Robert Scott & Sons, Sharon Hill, Pa., on Thursday, December 15, to inspect the new Roses, Melody and Double Pink Killarney. It is understood that the committee were highly pleased with the varieties, and that their report will recommend the Club's highest awards. While in Philadelphia, the members of the committee were the guests of S. S. Pennock of S. S. Pennock-Meehan Co.

The N. Y. Florists' Club Bowling Assn. had a good meeting at its alleys on the evening of December 15. Chadwick scooped the Rickards Bros.' prize for the best score.

At the New York Botanical Garden, in conservatory range No. 1, are specimens of plants from which three of the most important beverages are derived. In house No. 13 the tea plant, Thea sinensis, is in flower. It is from the young leaves of this plant that tea is made, the different kinds depending upon the manner of drying and preparing them. In house No. 4 are two other beverage plants, coffee, Coffea aribica, and chocolate, Theobroma cacao, both now in fruit. The two seeds in the red berries of coffee are the coffee-beans of commerce; and the numerous seeds, arranged in five rows, in the large pods of the Theobroma are the chocolate beans.

The Ritz-Carlton Hotel, at 46th and 47th sts. and Madison ave., was opened on Thursday, Dec. 15. The plant and flower decorations were among the most elaborate ever used at a hotel opening in this city. The decorations were furnished and placed by the Rosary Flower Co., 24 E. 34th. st. This company also has the flower shop at the hotel and is the official decorator. The opening decorations were in charge of Walter F. Klein, of the Rosary Flower Co., who will look after all the decorations and have charge of the flower shop. The decorations, which show great taste and skill in arrangement, extended throughout the landings, etc. of this new eighteen-story hotel, but were especially elaborate in the hall of the 46th st. entrance, and in the Palm court and the open court of the hotel. The decorations of the Palm court consisted of a great profusion of lofty Palms, some reaching a height of 25 ft., large Cibotium Schiedei Ferns, a wealth of potted Poinsettias, and very large numbers of Orchids in pots, Calanthe, Dendrobium formosum and Oncidiums being the varieties used. Throughout the hotel great numbers of baskets of Begonia Gloire de Lorraine were used. The open court is adorned with evergreens so arranged as to form booths. In the open season of the year there will be in this court a fountain and waterfall, and a profusion of blooming plants such as a season offers.

At the store of the Rosary Flower Co. at 24 E. 34th st., there is now a most attractive window display of hanging baskets of Begonia Lorraine, and plants of the Camellia Japonica grandiflora, not new but the most elegant of all the Christmas offerings.

PITTSBURGH CUT FLOWER COMPANY

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave. PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

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Manufacturers of WIRE DESIGNS

457 Milwaukee Street

'Phone, Main 874. P. O. Box 103. MILWAUKEE, WIS.

Please mention the Exchange when writing.

J. KOPELMAN

Wholesale and Commission Florist

25 Washington St., Providence, R.I.

GREENHOUSES, OAKLAWN, R.I.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 19, 1910	Pittsburgh Dec. 21, 1910	NAMES AND VARIETIES	Boston Dec. 20, 1910	Detroit Dec. 20, 1910	Cincinnati Dec. 19, 1910
..... to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	30.00 to 45.00	..... to 90 00	60.00 to 80.00
..... to 25.00	25.00 to 35.00	" extra	15.00 to 25.00	60 00 to 80 00	40.00 to 50.00
15.00 to 18.00	15.00 to 20.00	" No. 1	10.00 to 12.00	30.00 to 50.00	25.00 to 30.00
8.00 to 10.00	6.00 to 10 00	" No. 2	..... to	12.00 to 25.00	..... to 16.00
4.00 to 8.00	4.00 to 12.00	Killarney	4.00 to 16.00	8.00 to 15.00	8.00 to 15.00
4.00 to 8.00	4.00 to 12.00	White Killarney	4.00 to 16.00	8.00 to 15.00	8.00 to 15.00
..... to	3.00 to 10.00	Bride and Bridesmaid	4.00 to 6.00	..... to	8.00 to 15.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
..... to	4.00 to 12.00	My Maryland	4.00 to 12.00	20 00 to 25.00	8.00 to 15.00
4.00 to 10.00	4.00 to 12 00	Richmond	4.00 to 16.00	8.00 to 15 00	8.00 to 20.00
4.00 to 6.00	4.00 to 8.00	Perle	..... to	8.00 to 15 00	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	..... to	K. A. Victoria	..... to	..... to	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.25	.75 to 1.00	..... to .....
..... to 30.00	30.00 to 50 00	Asparagus, Plumosus, bunches	30 00 to 50.00	35.00 to 60.00	..... to 14.00
..... to 30.00	20.00 to 40.00	" Sprengeri, bunches	25.00 to 50.00	35.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
12.50 to 18.00	..... to	Calla	..... to	..... to 15.00	..... to 10.00
..... to	..... to 4 00	Carnations—Inferior grades, all colors	2.00 to 3.00	..... to	..... to .....
..... to 3.00	..... to 5 00	Standard Varieties: White	2.00 to 3 00	6.00 to 8 00	8.00 to 10.00
..... to 3.00	..... to 5.00	Standard Varieties: Pink	2.00 to 3 00	5.00 to 8.00	8.00 to 10.00
..... to 3.00	..... to 5.00	Standard Varieties: Red	2.00 to 3 00	5.00 to 8.00	8.00 to 10.00
..... to 3 00	..... to	Standard Varieties: Yellow and var.	2.00 to 3.00	..... to	..... to .....
4.00 to 5.00	..... to	*Fancy: White	3.00 to 4 00	8 00 to 10 00	..... to .....
4.00 to 5.00	..... to	*Fancy (The highest grades of Sta'd vars.): Pink	3.00 to 4 00	8 00 to 10 00	..... to .....
4.00 to 5.00	..... to	*Fancy (The highest grades of Sta'd vars.): Red	3.00 to 4 00	8.00 to 10.00	..... to .....
4.00 to 5.00	..... to	*Fancy (The highest grades of Sta'd vars.): Yellow and var.	3.00 to 4.00	..... to	..... to .....
..... to	..... to	Chrysanthemums, ordinary	..... to	..... to	..... to .....
..... to 25.00	..... to	" fancy	..... to	..... to	..... to .....
..... to .75	1.00 to 2.00	Daisies	..... to	..... to	..... to .....
..... to .25	..... to .20	Ferns, hardy	..... to	..... to .20	..... to .20
..... to .15	..... to .12	Galax, green and bronze	..... to	..... to .10	..... to .10
..... to	..... to 6 00	Gardenias, per doz.	2.00 to 3.00	..... to	..... to .....
..... to	..... to	Lilac	..... to	..... to	..... to .....
12 50 to 18.00	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 18.00	..... to .....
..... to 3.00	3.00 to 5.00	Lily of the Valley	..... to	3.00 to 4.00	4.00 to 5.00
..... to	..... to	Mignonette	..... to	4.00 to 8.00	..... to .....
3.00 to 4.00	..... to 3.00	Narcissus	2.00 to 3 00	3.00 to 4.00	2.00 to 5.00
..... to	..... to	Orchids—Cattleyas	40.00 to 50.00	.75 to .90	..... to .....
..... to	..... to	Cypripediums	..... to	..... to .25	..... to .....
..... to	..... to	Dendrobiums	..... to	..... to	..... to .....
25.00 to 30.00	..... to	Pointsettiae	..... to	..... to	.25 to .30
..... to 1.80	..... to 1.80	Smilax, (per doz. strings)	..... to	1.75 to 1.80	..... to .....
..... to 1.50	1.00 to 1.50	Sweet Peas	.75 to 1.00	.75 to 1.50	..... to 1.50
..... to 2.00	..... to	Violets, single	..... to	..... to 1.00	..... to 1.00
..... to 2 00	..... to .75	double	..... to	1.50 to 2.00	..... to 1.00

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

All Cut Flowers in Season

Heller Bros.' Fine Beauties. Market Prices.
Boxwood, $7.50 per case of 50 pounds.
Leucothoe Sprays, 60c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.

E. G. GILLETT

131 East 3rd St., CINCINNATI, OHIO.

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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

MILWAUKEE, WIS.

NANZ & NEUNER

(INCORPORATED)

FLORISTS

SEEDSMEN AND NURSERYMEN

LOUISVILLE, KY.

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THE AMERICAN CARNATION By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

2 TO 8 DUANE STREET, NEW YORK

Fleischman, in addition to his main store at 42nd st. and Fifth ave., now has a very pretty flower shop at the Hudson Terminal Building, Cortlandt st.; a perfect gem of a flower shop in the elegant new P. R. R. station at 32nd st., and a flower stand in the ladies' waiting room at the same station. All of these places are well located. Fleischman has recently added to his equipment two new automobile delivery wagons. A recent display in the windows of the 42nd st. store, of Grapes and Sweet Peas together in Greek Head bowls, was unique and attractive.

Max Schling is greatly pleased with the amount of business transacted at his new store at 22 West 59th st., an increase of 200 per cent. over the business done at his old quarters. The location is certainly fine, the store a beautiful one, and is always well supplied with quality flowers and plants. Recently he has been kept very busy with three weddings in one day, one at the Savoy, one at Bridgeport, Conn., and one house wedding in the city; a coming out dinner at Sherry's with 360 covers, a 160 cover dinner at the Hoffman House, a 32 cover dinner at Delmonico's, and steamer orders for three wagonloads of flowers for Mrs. P. J. Long who sailed on the S. S. Kaiserin Augusta Victoria.

Turner, who began business last Summer at 625 Madison ave., evidently appreciates the importance of constantly maintaining a pretty window display. The display of Azaleas, Ericas, Begonias, and Jerusalem Cherries recently seen at this store was arranged in excellent taste and the little partridge berry trees were both ingeniously made up and pretty.

Myer, 58th st. and Madison ave., reports a goodly number of advance orders for Christmas delivery. He is giving away several gross of very pretty china jardinières to his customers. A window brilliant with red hangings, red plants and blooms heralds the Christmas season.

A vase of splendid blooms of the Rose Pres. Taft was recently seen in the store window of the A. T. Bunyard Floral Co., 48th st. and Madison ave., and some fine plants of the beautiful Camellia Japonica grandiflora.

At J. Nicholas', 37 E. 42nd st., is seen the largest and finest display of Ardisias and berried Aucubas in the city. In addition to these are baskets and hampers in large numbers, filled with the best and most seasonable decorative plants.

The O. Loughlin Co. has opened a retail florist store at 63 E. 59th st.

Thomas Young, Jr., 500 Fifth ave., recently had a very beautiful window display of double and single Violets, Gardenias and Orchids on a bed of Smilax, and in another window a magnificent Violet wreath.

The wife of Charles Hunt, of Staten Island, died of gastritis on Thursday, December 15, and was buried on Friday.

The wife of Parasee G. Epetrapees, 80th st. and Second ave., died on Tuesday, Dec. 13, and was buried on the following Friday.

Worcester, Mass.

The flower shops all over the city have taken on festive attire and are gay with the season's colors of green and red. Holly, in wreaths and sprays is plentiful while the novelties introducing red berries and Boxwood are in great demand. The church work throughout the city has been extensive and local decorators are busy arranging ropes of evergreen, Holly and Laurel.

Poinsettias are shown everywhere and are of exceptional beauty; they have done well this year and are shown in large numbers. Roses, Carnations, Narcissus, Cyclamen, Azaleas, and Poinsettias make up the potted plants that supply the Christmas trade.

Business is good everywhere and the season is considered equal to that of last year.

Flowering plants exceed the demand for cut stock and the florists all agree this is a good thing for there seems to be a shortage in the common varieties of cut flowers. Orchids are receiving much call. The shops kept open evenings during the week and the orders came in rapidly. Preparing for church decorations and making up the Boxwood balls and bells was the principal occupation at night. The Christmas novelties are sold as soon as they are ready for the market. Hotels, churches, stores and homes are gay with wreaths, bells and balls. Floral baskets received some call but not as great as was expected. E. D.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Boston

Business as a whole, for the past two or three weeks, has been quite satisfactory. It is true, crops have been short yet they have been equal to the demand so things were pretty well balanced. Prices have been quite good. If crops had been as plentiful as in some former years there would surely have been a glut. No doubt the shortage of crop this week is in part caused by holding back for Christmas prices, which is poor policy, but apart from that there are many complaints that crops are not flowering as profusely as they should. These are especially true concerning Carnations and Violets. Carnation growers say their plants did not make sufficient growth in the field last Summer, owing to the dry weather, and since they have been housed the plants have been making up the growth they should have made in the field. Violets are especially short and there won't be more than half enough to supply the demand. The Violet growers have come to the same conclusion as the Carnationists, that their plants did not make sufficient growth out of doors. Violet plants are doing well in the houses and, although they are not flowering profusely now, there is every indication that there will be a large crop later when King Sol gets a little more powerful, as the plants are heavily cropped with buds under the leaves. There is a fairly good supply of Roses and the quality was never better.

There is a good supply of all miscellaneous flowers. The demand for pot plants is exceptionally good. We visited several of the large plant growing establishments and they are practically all sold out. Although immense quantities of fine Lorraine Begonias have been grown, the demand is greater than the supply. This plant is one of the favorites and seems to be more popular than usual this year. Poinsettias are all sold and there seems to be a shortage; this is especially true of those in pans. Azaleas were never better flowered than they are this season and there is a splendid demand for them; the varieties Firefly and Mme. Petrick are the favorites.

Berried plants are in fine demand and Ardisias far excel all other plants in this class; as grown by some of our men here there is no other Christmas plant will compare with it. Oranges were never better fruited than this year and there is quite a large supply; they seem to be great favorites; dry goods stores and other lines are making window displays of them. At this time growers, retailers, wholesalers and, in fact, everyone connected with the flower and plant business, report good sales, and are looking forward to this week as being a record breaker in both sales and values received.

John MacFarland of North Easton has had great success with his Poinsettias; his plants retained their foliage well and had very large bracts. He had 3000 plants in 6-in. pots and 2000 in 4-in. pots and a large number of pans; from a bench of plants in one house he cut 100 dozen. This was his staple Christmas crop; it has all been sold at satisfactory prices. He is also a large grower of Lily of the Valley, having 25,000 for Christmas.

J. H. Leach & Son of North Easton have a splendid crop of Sweet Peas with stems from 15 in. to 18 in. long and the flowers are bright and clear. Their seedling Carnation of a light pink color, which is unnamed yet, is a fine thing; the flowers are sold by Thomas Galvin, which indicates that it has a prosperous future.

W. T. Walke, who had some of the finest Snapdragon last year, has made his first shipment this week; his crop of this staple article seems as promising as ever.

J. W. Simpson of Woburn is in the market with a fine crop of yellow Marguerite flowers, of which he makes a specialty. He grows them in benches and has great success with them; he finds this a very remunerative crop. He has also some fine white Bonnaffon for Christmas.

W. S. Phelps of Marlboro has the first flowers in the market of Wallflowers. His dark bronze and yellow varieties seem to be the best sellers; when the colors are pleasing these sweetly scented flowers always sell readily.

Everything in connection with the National Flower Show is progressing favorably and floor space for trade exhibits is being rapidly taken; there are still some good spaces to be had for early applicants. In the competitive department now is the time to make application for space and there is good opportunity to make easy money in some of the classes.

Wm. H. Elliott has a fine crop of Roses ready for his Christmas trade. One of the choice new varieties he is offering now is the Rose Mrs. Waddell; the color is hard to describe but it is that of Mrs. Aaron Ward with pink added. It is a charming Rose and, when once known, is sure to become a favorite. Mr. Elliott has it only in a limited way but there is every possibility that it will be largely grown for another year as all that has been offered of it this season sold on sight. The Rose Mrs. Aaron Ward, as grown at the Madbury Rose farms, is all that one would wish in a Rose this size; it has been grown largely this year. The cut of it this week is the finest ever offered in the city and there is enough in crop now to supply the demand. Rhea Reid is proving a most satisfactory Rose this season and is in good demand. Killarney, both pink and white, is in good crop, so are all the others, such as Bon Silene and Safrano. The Brighton establishment is largely given up to Roses for Summer use and to Asparagus; the houses of the latter are looking well and are in good crop.

Wilfred Wheeler of Concord has a fine crop of Carnations and is cutting fine flowers of Enchantress. Winona he thinks very highly of and likes it much. Pink Delight is doing well with him. For white he likes Queen the best.

Perry Green of Quincy has some fine pink Cosmos for which he is finding a good market.

Mishawam Flower Co. of Woburn has some good Chrysanthemums for Christmas of varieties Maud Dean and Yellow Bonnaffon.

John Streifid & Son of Weymouth have a fine lot of Chinese Primroses in 5-in. pots. The plants are well flowered and the foliage is short and compact; they have no trouble in disposing of them at their stall in the market.

W. E. Bowditch is in with well grown and nicely fruited Jerusalem Cherries and Oranges.

Malcolm Orr of Sagus is cutting some very nice Marigolds for which there is a good call.

Mann Bros. are in the market with a fine lot of Roman Hyacinths, Paperwhite Narcissus and Easter Lilies. They were the first in the market with white Tulips.

W. A. Riggs of Auburndale has a magnificent lot of Begonia Gloire de Lorraine at the Boston Flower Exchange; the plants are well grown, compact and well flowered. He has no trouble in disposing of them at handsome prices.

Nelson & Johnson of Framingham have fine Princess of Wales Violets; their plants seem to flower much better than any others in this vicinity.

Wm. Nicholson of Framingham, although one of our largest growers of Carnations, is in this week with a fine crop of Freesia. His Mignonette is bought on sight by the leading retail stores.

The Sutermeister estate of Readville was the first in the market with Freesias, and also had the first Trumpet Major Narcissus. It is also a large grower of Paperwhites and Roman Hyacinths.

Peirce Bros. of Waltham have an extra fine lot of Azaleas this season; the plants are finely blossomed; Firefly and Mme. Petrick are the best sellers.

W. H. Tomlinson of Dorchester has a lot of nicely grown and well flowered Geraniums which he is offering to the trade at this time.

Eber Holmes has a fine cut of Roses for Christmas week. His Killarney is very fine, and Mrs. Aaron Ward highly thought of; it is a fine grower, good cropper and easily disposed of. Richmond does well at the Montrose greenhouses and is in good crop now.

A. Leuthy of Roslindale is one of the leading plantsmen around Boston; he has a fine lot of Azaleas for Christmas. His Lorraine Begonias are well grown, so also his Cyclamen.

John McKenzie of North Cambridge reports he has disposed of nearly all the large stock of fine flowering plants he had a few weeks ago.

John A. Pettigrew, superintendent of the Boston parks, has been under the weather for the past two weeks, being confined to his home. We wish him a speedy recovery.

Miss Ivy Wheeler, daughter of James Wheeler of Natick, was married Dec. 15 to Wm. J. Arbus of Dorchester. Miss Wheeler has lived all her life in Brookline, consequently there was an immense lot of people at the marriage at the church.

R. C.

Philadelphia

The sudden fall in temperature on the night of December 15 was a surprise to growers, and resulted in the arrival of not a few plants and flowers in a frosted condition. The shipments of plants to northern and western points suffered worst.

The Robert Craig Co. reports the largest Christmas business it has ever had, the volume of sales by mid-December equaling those for the whole month of 1909. Robert Craig, Sr., is confined to the house with a severe cold. Recent callers on the company were David Mackenzie and Louis Schmutz of Brooklyn, L. I.; D. B. Edwards of Atlantic City, N. J.; Mrs. E. M. Barlow, Chester, Pa., and Wm. J. Halliday of Baltimore, Md.

The awards committee of the New York Florists' Club, consisting of Charles Totty, Frank H. Traendly, Charles Weber, Harry Turner, Wm. Duckham, and Robert Simpson, were in Philadelphia recently, and went out to Robert Scott & Sons, Sharon Hill, Pa., to examine and score the new Roses Melody and Double Pink Killarney.

Among the callers at the S. S. Pennock-Meehan Co.'s this week were E. G. Hill, of Richmond, Ind., just returning from Boston. Mr. Hill reports finding in his journeying many sports of Killarney. He is much gratified with the reception given everywhere to his new Roses, and especially so with the score given it by the committee of the N. Y. Florists' Club. Mr. Hill finds the florists in general optimistic in regard to the business outlook. Other recent callers on this company were Wallace R. Pierson, Cromwell, Conn., Mrs. J. Herbert, Wilkesbarre, Pa.; E. J. Weaver, Ronks, Pa., and W. R. Gervin, Leola, Pa. The shipments of the company covering Boxwods and other Christmas greens have been simply immense. It is offering just now a splendid line of Gardenias, American Beauty Roses, and Poinsettias.

John W. McIntyre is handling the first offering of Trumpet-Major Narcissus seen this season.

The speaker of the evening at the next meeting of the Florists' Club of Philadelphia, which will be held at the usual place on the evening of Tuesday, January 3, will be S. S. Skidelsky, of the firm of Skidelsky & Irwin. Mr. Skidelsky's subject will be "Are we progressive?" He will, it is reported, raise some very interesting points in connection with this important question, and perhaps provoke some kindly argument. Come and hear the answer to the above question.

Edward Reid is now nicely installed in his new and improved quarters at 1619-1621 Ranstead st. A look through these quarters from bottom to top shows a deep, dry cellar under the whole store, so cool that Carnations at this season can be kept there without ice, a spacious ice box, and ample room for storage; in short, a first-class cellar. The main store above is provided with one of the best, largest and most modern ice boxes in the city, with ample and convenient office facilities, dressing room, etc.; and the balcony above gives still further useful room. Mr. Reid is certainly to be congratulated on his enlarged facilities, which will enable him to handle better his increasing trade.

Frank J. Clark, Trenton, N. J., was recently in town. Mr. Clark's business at Trenton is now conducted in three separate departments, cut flowers and plants, seeds, and pet stock. He is looking forward to a large holiday trade. He is just now shipping great numbers of Wild Holly wreaths into New York City, and reports greens in New Jersey scarcer than at any time in the past twenty years.

The retail florists are already beginning to make their store windows bright and cheerful for the coming holidays. At Charles Henry Fox's, the Sign of the Rose, on So. Broad st., are seen some very pretty and novel arrangements of decorative plants, in old English fruit baskets, and Dutch berry baskets designed by Mr. Fox and made under his direction. Novelty, simplicity, and beauty mark the work at the Sign of the Rose. Some of Mr. Fox's ideas in floral receptacles will appear among the New York retailers this Winter. At the Pennock Bros. Store, 1514 Chestnut st., the Christmas season now so near at hand is very beautifully accentuated in red and green. Overhead hangs the Mistletoe, and beneath it red cornucopia shaped baskets filled with sprays of berries and the choicer evergreen trees. On the window floor are red baskets filled with a variety of bright colored Crotons, and with Poinsettias, Ferns, etc. An edging of huge Pine cones furnishes the foreground. Every item of the display is tied with the reddest of red ribbon. Equally beautiful, but quite different from the other retailers' window displays, is that seen at J. J. Habermehl's Sons, at the Bellevue-Stratford. Baskets and hampers, many of large size, are filled with the choicest plants; one filled with Crotons and red Carnations is very effective. In another, Crotons, Pandanus Veitchii and Farleyense Ferns are tastefully combined. Most striking of all is the centerpiece, a great Willow clothes basket filled with a wealth of Christmas plants. Berried plants are freely used, and the overhead trimmings are of Holly.

The sympathy of the trade goes out to Chas. W. Turnley, the Camden florist, in the death of hs wife on December 12. The deceased lady, who was in her 72nd year, had been ailing for some time.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Buffalo Dec. 21 1910	NAMES AND VARIETIES	Phil'delphia Dec. 19, 1910	St. Louis Dec. 19, 1910
80.00 to 90.00	**Roses**—A. Beauty, fancy—special	40 00 to 50.00	30.00 to 40.00
40.00 to 60.00	" extra	25.00 to 30.00	20.00 to 30.00
—— to 25.00	" No. 1	15.00 to 20 00	—— to ——
—— to ——	" No. 2	10.00 to 15 00	—— to ——
10.00 to 20.00	Killarney	5.00 to 15.00	5.00 to 8.00
10 00 to 20.00	White Killarney	5.00 to 15.00	5.00 to 8.00
10.00 to 20.00	Bride and Bridesmaid	5.00 to 10.00	—— to ——
—— to ——	Mrs. Jardine	5.00 to 15.00	—— to ——
10.00 to 20.00	My Maryland	5.00 to 15.00	5.00 to 8.00
10.00 to 20.00	Richmond	5.00 to 20.00	5.00 to 8.00
6.00 to 10.00	Perle	5.00 to 10.00	—— to ——
—— to ——	Golden Gate	—— to ——	—— to ——
6.00 to 12.00	K. A. Victoria	—— to ——	6.00 to 8.00
—— to ——	**Adiantum**	1.00 to 1.50	—— to ——
—— to ——	**Asparagus**, Plumosus, bunches	35.00 to 50.00	—— to ——
—— to ——	" Sprengeri, bunches	35.00 to 50.00	—— to ——
—— to ——	**Bouvardia**	3.00 to 4.00	—— to ——
12.00 to 15.00	**Callas**	16.00 to 20 00	—— to ——
—— to 5.00	**Carnations**—Inferior grades, all colors	2.00 to 3.00	—— to ——
—— to 5.00	Standard Varieties: White	3.00 to 5.00	—— to ——
—— to 5.00	Standard Varieties: Pink	3.00 to 5.00	4.00 to 5.00
—— to 5.00	Standard Varieties: Red	3.00 to 5.00	4.00 to 5.00
—— to 5.00	Standard Varieties: Yellow and var.	3 00 to 5.00	—— to ——
6.00 to 10.00	*Fancy (The highest grades of Std'd vars.): White	6.00 to 8.00	4.00 to 5.00
6.00 to 10.00	*Fancy (The highest grades of Std'd vars.): Pink	6.00 to 8.00	4.00 to 5.00
6.00 to 10 00	*Fancy (The highest grades of Std'd vars.): Red	6.00 to 8.00	5.00 to 6.00
6.00 to 10.00	*Fancy (The highest grades of Std'd vars.): Yellow and var.	6 00 to 8.00	—— to ——
—— to ——	**Chrysanthemums**, ordinary	20 00 to 25.00	—— to ——
—— to ——	fancy	—— to ——	—— to ——
—— to ——	**Daisies**	1.50 to 3.00	—— to ——
—— to .20	**Ferns**, hardy	—— to .20	—— to ——
—— to .15	**Galax**, green and bronze	—— to .15	—— to ——
—— to ——	**Gardenias**, per doz.	3.00 to 5.00	—— to ——
—— to ——	**Lilac**	1.00 to 1.50	—— to ——
10.00 to 15.00	**Lilies**, Harrisii and Longi	12.50 to 15.00	—— to ——
4.00 to 5.00	**Lily of the Valley**	2.00 to 4.00	—— to 4.00
3.00 to 6.00	**Mignonette**	4.00 to 8.00	—— to ——
3.00 to 4.00	**Narcissus**	2.00 to 3.00	—— to ——
—— to ——	**Orchids**—Cattleyas	—— to 75.00	—— to ——
20 00 to 25.00	Cypripediums	—— to 15.00	—— to ——
—— to ——	Dendrobiums	—— to 60.00	—— to ——
15.00 to 40.00	**Poinsettias**	25.00 to 40.00	—— to ——
—— to 1.80	**Smilax**, (per doz. strings)	1.50 to 2.50	1.50 to 1.80
1 00 to 1.50	**Sweet Peas**	.50 to 1.50	—— to ——
—— to ——	**Violets**, single	.50 to 1.00	—— to ——
1.00 to 2.00	double	1.00 to 1.50	—— to ——

TO the Trade, not only in our Own City, but North, South, East and West, we return our thanks for its generous patronage during the year 1910; and we also extend to it the compliments of the Season.

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Specials, per dozen.....$5.00
Fancy, per dozen.....$4.00
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Special, per dozen.....$9.00
Fancy, per dozen.....$6.00
Extras, per dozen.....$5.00
Firsts, per dozen.....$4.00
Seconds, per dozen.....$3.00

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With the simple service for the dead from the Episcopal ritual, the remains of the late Robert Buist, seedsman, were buried from the home of his niece, Miss J. B. Buist, No. 1323 South Broad st., on the afternoon of Thursday, Dec. 15. Rev. Floyd Tomkins conducted the services both at the house and at the grave in Woodlawn Cemetery. Magnificent floral tributes were sent to the house, among them being one from the Union League, of which Mr. Buist was a member.

Among the visitors to Philadelphia recently were Wm. B. Girvin and John Schoenberger of Leola, Elmer J. Weaver of Ronks, and James Brown of Coatesville, Pa. This party was made up by Mr. Girvin for the purpose of visiting the greenhouse range of Eugene Weiss, Hatboro, Pa., to which they were conducted by S. S. Pennock, of the S. S. Pennock-Meehan Co. Mr. Weaver, in speaking of the Skinner irrigation system for both

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Wholesale Prices of Cut Flowers, Chicago, Dec. 20, 1910

Prices quoted are by the hundred unless otherwise noted

CHRISTMAS PRICES

ROSES—American Beauty	
36-inch stems..per doz.	.... to 12.00
30-inch stems.. "	8.00 to 10.00
24-inch stems.. "	7.00 to 10.00
20-inch stems.. "	6.00 to 9.00
18-inch stems.. "	4.00 to 6.00
12-inch stems.. "	2.00 to 3.00
8-in. stems and shorts "	.... to 1.50
Killarney	8.00 to 15.00
" extra	20.00 to 25.00
White Killarney	8.00 to 15.00
Richmond	20.00 to 25.00
My Maryland	10.00 to 25.00
Bride, Maid, fancy special	8.00 to 15.00
" extra	4.00 to 15.00
" No. 1	.... to 2.00
" No. 2	.... to 3.00
Perle	8.00 to 15.00
Chatenay	8.00 to 15.00
Kaiserin	.... to 12.00
Uncle John	8.00 to 12.00
Mrs. Marshall Field	.... to 12.00
Adiantum	75 to 1.00
Asparagus, bunch	.35 to .50
" Sprengeri	.25 to .50
Callas	.... to 15.00
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
	.... to ....

CARNATIONS	
Standard Varieties: White	5.00 to 8.00
Standard Varieties: Pink	5.00 to 8.00
Standard Varieties: Red	5.00 to 8.00
Standard Varieties: Yel. and Var.	to
*Fancy (The highest grades of Sta'd varieties): White	8.00 to 10.00
*Fancy (The highest grades of Sta'd varieties): Pink	10.00 to 12.00
*Fancy (The highest grades of Sta'd varieties): Red	8.00 to 10.00
*Fancy (The highest grades of Sta'd varieties): Yel. and Var.	to ....
Ferns, hardy, per 1000	.... to 2.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Lilies, Harrisii and Longi.	15.00 to 18.00
Lily of the Valley	4.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 8.00
Narcissus—Paper White	.... to 4.00
Orchids—Cattleyas	.... to 90.00
" Cypripedtums	25.00 to 50.00
Panaies	to
Roman Hyacinths	3.00 to 4.00
Smilax	12.00 to 15.00
Stevia	1.50 to 2.00
Sweet Peas	.75 to 1.50
Violets, single	.... to 1.00
" double	1.50 to 2.00
Gardenias	30.00 to 45.00
	.... to ....
	.... to ....
	.... to ....

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interior and outside work, says that he would not be without it, and that having used it for the past four years for outside work he last Fall installed it in his range. He considers it an ideal system for thorough watering, and a great time saver. Mr. Brown is shipping some excellent Chrysanthemums, and expects to continue doing so until after New Year's. Mr. Girvin is sending in some fine Carnation stock, and has ordered a large quantity of the new Mrs. C. W. Ward variety. The party left here for a visit through Chester county to see new things. P. M. R.

In Memoriam

At a special meeting of the Florists' Club of Philadelphia held on December 16, to take action on the death of J. Wm. Colflesh, the following resolutions were adopted:

Whereas our beloved and esteemed fellow member, J. Wm. Colflesh has been taken from us by death, therefore be it

Resolved, that the members of this Club desire to put upon record their sense of loss and to extend to his family their deepest sympathy.

J. Wm. Colflesh was one of the Charter Members of this Club, and for many years its valued treasurer, and always a diligent and faithful worker for the advancement of the Club's interests. In his intercourse with the members of the Club he was always courteous, kindly and modest, and so had endeared himself to us all. He was an ardent worker in horticulture, and always willing to do his share to advance the general interest of the cause.

Resolved, that a copy of these resolutions be sent to his family.

ROBERT CRAIG.
JOHN WESTCOTT.
F. HAHMAN.
Committee on Resolutions.

Attest:
DAVID RUST, secretary.

Chicago

This is the wholesalers' busy week and all are as busy as bees in a hive, getting things into shipshape for the promised Christmas rush. The shipping orders at all places are stated to far exceed those of last year, and many can only be partly filled. Especially is this the case where an order calls for Carnations, which still continue very scarce. The growers of flowering plants are also busy about town delivering stock to the various florist shops. Plant sales promise to exceed even those of last season; with this prospect in view the growers have tried hard to meet the demand. Several large shipments of flowering plants from the East arrived in a frostbitten condition, due, evidently, to insufficient packing; most of such stock is practically useless. There is also noticeable a tendency on the part of the Holly shippers this season to reduce the size of cases from 24 to 22 inches wide, which will hereafter be the standard size case. Holly is becoming scarcer each year, due to the excessive cutting of the past few years. There is a large stock of Mistletoe on the market but the probability is that it will all be cleaned up by New Year's, as has already been the case. Boxwood, so scarce up to last week and held at high prices, has now arrived in such quantity that all requirements might have been filled if it had arrived earlier. It is also reported that the supposed shortage of Holly will be remedied greatly within two or three days, much stock said to be en route; this, however, may arrive too late to be utilized for Christmas.

Vaughan's Seed Store has been handling a grade of Holly that could not be duplicated, real fancy stock. The store has been experiencing the usual holiday rush for all Christmas goods in its line for the past two weeks.

The Chicago Carnation Co. expects to have a good supply of Carnations for the holiday trade. Mr. Pyfer says he expects to cut at least 40,000 extra choice Carnations for this time. Unusually fine are the varieties Scarlet Glow, Dorothy Gordon and Washington.

The Poehlmann Bros. Co. are also cutting some excellent Carnations, and a few days of sunshine would mean a multitude of blooms. As it is, the supply is good and quality fine. The Roses, Orchids and Lily of the Valley coming into the company's store are all first class in quality.

Peter Reinberg states that while there is no complaint at his greenhouses either as to the quality or quantity of crops, the right kind of weather would hurry stock along, and the increased cut could be easily disposed of. Shipping trade at this house is in excess of that of last year.

Wietor Brothers are cutting their usual good stock of the Mrs. Jardine Rose, which is fast becoming a favorite. They are also sending in a few good 'Mums cut from a house of the late variety Merry Christmas.

Zech & Mann were showing some extra fine Giant Mignonette in the early part of the week, and some exceptionally fine Poinsettias.

Chas. McKellar is receiving an increased supply of Orchids, for which there are always waiting orders. Gardenias are arriving in fine shape, and some unusually fine Bouvardia.

Hoerber Brothers are keeping pace with the older growers, and their stock is all of good quality and well grown. They are cutting a good crop of Roses, Killarney and Richmond. The firm is contemplating building more houses in the course of next year.

The A. L. Randall Co. has disposed of a large quantity of Mistletoe this season, which has arrived in very good condition. The supply department is keeping all the extra hands busy with the holiday orders.

Bassett & Washburn are cutting some grand blooms of White Perfection Carnations, marvels in size; they are also shipping some fine blooms of O. P. Bassett. Their American Beauty Roses continue up to show standard. C. L. Washburn is still on the sick list, although attending to business.

The J. B. Deamud Co. received on Monday a large consignment of Wild Smilax of exceptional quality. The demand for this product has been advanced owing to the shortage of Holly. Paperwhite Narcissus of a quality unusually good for this season are to be had here.

Mr. Sperry, of Vaughan & Sperry, says that with the exception of Carnations he thinks there will be an ample supply of stock for Christmas. This firm experimented with a ton of California Holly, bought from a sample case purchased, with the result that the entire ton was disposed of before its arrival. It was very attractive stock and entirely different from the regular Holly.

Winterson's Seed Store secured a great stock of Boxwood and Laurel, as substitutes for Lycopodium, of which there is a pronounced shortage. Their miniature Christmas trees are as popular as during last season.

On or about January 1 the E. C. Amling Co. will move from its present location to 19 Randolph st., occupying the entire ground floor in the same building the A. L. Randall Co. occupies. Already alterations and preparations are under way. A new 30 ft. ice box will be installed.

E. P. Farney, with M. Rice & Co., Philadelphia, is in town, called here by a sad accident which occurred at his home in Edgewater last Wednesday. His little two-year-old daughter was playing with matches, which ignited, setting fire to her clothing; she was severely burned; the doctors are very hopeful for her recovery.

G. H. Peiser, of Kennicott Bros. Co., is still on the sick list, suffering from a severe attack of lumbago.

Philip Eichling, who was for a long time with Harry Rowe, is again to be seen at the store assisting in the holiday rush.

Joe Curran is located at present with Friedman, this busy house requiring much additional help at this season.

At W. J. Smyth's is noticed George Peiser, assisting with the work at this popular store.

The first Dutch bulb man arrived in Chicago on Monday—A. G. Pruyser, with Westerheer & Klyn, Sassenheim, Holland.

The Chicago Florists' Club will give a stag banquet at the Union Restaurant at the next meeting, January 5, when it is hoped that all members and thtir friends will be present.

Owing to the rush preceding Christmas, the Chicago Florists' Bowling Club will not bowl until Wednesday, Jan. 4.

Both Lincoln and Garfield Parks are having their usual Christmas exhibitions of flowering plants, and many fine specimens of Azaleas, Primroses, Cyclamens, Poinsettias and numerous other plants are displayed. The Orchid exhibit at Lincoln Park is beautiful. Both places are being well patronized.

M. Weiland, of 206 Davis st., is showing a fine line of baskets for plant purposes for Christmas trade.

The Avenue Floral Co., 3810 Grand ave., which opened its store a short time ago, with L. Hoeckner, late with Peter Reinberg, as proprietor, and R. Troost as manager, is doing very nicely. The store is very effectively decorated with Christmas greens.

Visitors: D. K. Chapman, New York City; A. L. Glaser, Dubuque, Ia.; Fred Foster, St. Louis, Mo.; Mrs. Enders, Deerfield, Ill.; F. H. Lemon, Richmond, Ind.; N. H. Faber, Kankakee, Ill.

Louisville

A peculiar condition now confronts the local floral trade, relative to Christmas business. Business for the past fortnight has not been above normal, as was expected, for the real holiday rush never begins locally until two or three days before Christmas itself. However, with prospects of a boom in trade during the next few days, the florists are wondering whether sufficient stock will be available in the market or whether a prophesied shortage is about to come to pass. Within the past few days, several local concerns have received communications from their supply houses in Chicago and Eastern centers to the effect that there will be a distinct shortage in Christmas lines of cut flowers and orders that were placed by local dealers two or three weeks ago have been cut 25 or 50 per cent. by the operators in the big centers, in view of the scarcity of suitable stock for the centers themselves. The floral famine, while it is probably not so comprehensive or severe as is now reported and feared, is undoubtedly country-wide in effect.

A consensus of opinion from local floral circles indicates without reserve that there is an ample quantity of business afloat in the local field and, if stock arrives with anything approaching its usual regularity, there is no doubt that a profitable trade will be done. An unusual demand for Christmas trees has been ap-



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TOBACCO STEMS, 50 cents. per 100 lbs.

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285-289 Metropolitan Ave., BROOKLYN, N. Y.

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24
1500 2½ " "	5.25	320 5 " "	4 51
1500 2½ " "	6 00	210 5½ " "	3.78
1000 3 " "	5 00	144 6 " "	3 18
800 3½ " "	5.80	120 7 " "	4.20
500 4 " "	4.50	60 8 " "	3.00

HAND MADE	Price per crate
48 9 in. pots in crate	$3.60
48 10 " "	4 80
24 11 " "	3.60
24 12 " "	4.80
12 14 " "	4.80
6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

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Think of us.

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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Bloom Saver

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P. R. Palethorpe Co.

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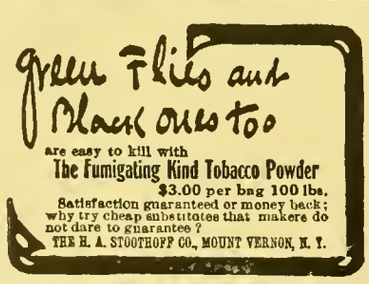

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SCOTCH SOOT



It Helps Your Carnations and Roses

Scotch Soot adds color to the bloom. Drives slugs and worms out of the soil. Should be used by all good growers.

100 lbs. $2.50; 500 lbs. $11.25; 1000 lbs. $20.00.

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DREER'S

Florist Specialties.

New Brand New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
1½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished.

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714 Chestnut St.,
PHILADELPHIA, PA.

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FERTILIZER

For Greenhouses, Lawns, Gardens, etc.

$30.00 per ton; $2.00 per bag of 100 lbs.

The best of all manures for top dressing. A mixture of Blood, Bone, Tankage, etc. No acids or chemicals.

Fertilizers of all kinds at wholesale prices.

William M. Davidge, P. O. Box 5 Brooklyn, N. Y.

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Louisville—Continued

parent, even at a comparatively early date and the volume of tree business this year is expected to be record-breaking when the returns have been gathered.

Louisville florists have kept their shops open until 10 o'clock in the evenings of the week before Christmas, preparatory to catching any holiday trade that may be afloat in the crowds of shoppers who frequent the downtown district after nightfall. The axiom, "No rest for the weary," will be borne out with the local fraternity on Christmas Day, for the floral artists are universally agreed to keep open their shops all day on the festive occasion, in spite of the fact that the holiday falls on Sunday.

Competition that has heretofore been but weakly met with by the florists in regard to street-hawkers of Holly wreaths and Mistletoe is somewhat of a negligible quantity this year, according to reports. In previous years a swarm of peddlers, equipped with wagonloads of Holly wreaths and Mistletoe, lined the streets in the downtown district, underselling the legitimate florists as a matter of course, and gaining a big portion of profitable business that would regularly go to the florist. This year, however, only a corporal's guard of the "Greeks," as they are known to the trade, has made its appearance, through some unaccountable benefice of fortune, and the legitimate Holly and Mistletoe trade remains undisturbed with the florists.

Henry Nanz, of Nanz & Neuner, is showing some very handsome specimens of Camellia Japonica.

H. G. Walker, of F. Walker & Co., reports that a fine volume of Christmas business is assured in Christmas greens and general lines of cut flowers. Blooming plants are scarce in the local field, said Mr. Walker.

Mrs. C. B. Thompson has sold a quantity of Sweet Peas during the past fortnight.

Jacob Schulz, on Fourth ave., expects to conduct a big exhibit of general Christmas floral stock on December 23 at his handsome shop. Mr. Schulz makes a specialty of conducting these displays just before a holiday, in order to whet the appetite for seasonable holiday stock. Before Thanksgiving Day, a Schulz Chrysanthemum show was held, similar to the coming Christmas show. Handsomely engraved invitations to the coming event were issued to the Schulz clientele.

William Walker recently installed an attractive Christmas window at his Jefferson st. store. The window contained a genuine cabinet mantel, bestrung with the traditional Christmas stockings, beside which an inanimate Santa Claus was in the act of "delivering the goods." Suitable Christmas decorations of a floral nature filled the window and old Saint Nick displayed a card, which read, "Why not have Santa Claus bring *Her* one of our blooming plants or a box of our cut flowers for Christmas?" The timely hint brought a good volume of business to Mr. Walker in the exploited lines.

Mrs. M. D. Reimers recently secured the contracts for decorating several churches and Sunday-school buildings in Louisville with Christmas greens, preparatory to Yuletide entertainments. Mrs. Reimers is planning to spend a few days in Cincinnati, O., with friends on or about New Year's Day.

The Louisville Herald, one of the most prominent morning papers of this city, recently published a page of clever specialty Christmas advertising that was patronized by two prominent local florists. The specialty consisted of a Christmas tree, occupying the entire page of the paper, bedecked with advertising notices in lieu of tinsel and ornaments. The ads of C. B. Thompson & Co., featuring cut flowers, and the ad of F. Walker & Co. exploiting Christmas trees, occupied prominent places on the tree.

The Kentucky Nursery Co., of which Boone Gardiner is the proprietor, recently completed the extensive work of beautifying the grounds of the new Louisville Filter Plant with ornamental trees, shrubs and hedges. The contract called for the expenditure of several thousand dollars and formed a big advertising asset for Mr. Gardiner, who used the recent operations of the Kentucky staff in his newspaper ads as a reason why other people should have their estates beautified.

G. D. C.

Providence, R. I.

During the past week some little improvement has been noted among the wholesale growers, but the retail stores are feeling the advance especially, as trade has not been very brisk among them. There seems to be a feeling that the growers keep the stock back too long, then put the prices up almost beyond reach.



Less Work— Better, Earlier Crops

Sunlight Double Glass Sash reduces to a minimum the labor connected with hot-bed and cold-frame gardening.

You never have to cover Sunlight Double Glass Sash

All the hard work of handling and the expense of buying heavy boards and mats—all the time spent in covering and uncovering the beds are eliminated.

The double layer of glass does it
(See diegram above.)

Between the two layers is a ⅝ inch layer of dry still air—a transparent blanket that is better than mats or boards because it never shuts out the light. The plants gets **all the light all the time.** As a result, they will grow faster and become sturdier, will be ready for the market earlier and bring the big prices.

Glass is held in place without putty. Can't work loose, easily replaced



Agents Wanted
Write us for details.

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One is our free catalog giving all the details of the Sash and of our freight prepaid and guaranteed delivery proposition. The other is a book on hot-beds and cold-frames by Prof. Massey, an authority on the subject. This book is of vital interest to every professional grower and florist. 4c. in stamps will bring Prof. Massey's book in addition to the catalog.

SUNLIGHT DOUBLE GLASS SASH COMPANY, INC.
933 East Broadway. LOUISVILLE, KY.



Arthur Vandennes, Pt. Marion, Pa., writes: "I had lettuce under Sunlight Sash before most people were thinking about sowing it."

Please mention the Exchange when writing.

Christmas time. Stock held back for several days and then dumped on the market cannot give retail customers the satisfaction fresh stock would, and the practice has a tendency to curtail purchases; people knowing the stock is about ready to go to sleep will not buy as heavily as they would if they had the assurance of fresh cut Roses and Carnations, etc. It is policy for wholesale growers to get as much for their goods as possible, but they would undoubtedly reap fully as much in the end if legitimate methods were adhered to.

Holly is somewhat scarce; $5 per case is asked for good stock.

Frank Henry, of Henry & Lee, New York, was in town recently calling on friends and the trade. He reports business good. Wm. Jurgens, grower of Lily of the Valley, was in town Friday; and Peter S. Byrnes, Wickford, R. I., was here on Saturday, purchasing supplies for Christmas.

Howard Almy, who was confined to the house for seven weeks, is around again.

Samuel Kinder, of S. Kinder & Bro., Bristol, R. I., was in town on Saturday. He reports business in funeral work very good. Mr. Crosby of Franklin & Crosby, Danielson, Conn., was a recent visitor, as also was J. J. Kelley, Valley Falls.

Welch Bros., Boston, have been making a display of goods at the Dorrance Hotel.

Stephen Green, of Bayersdorfer & Co., Philadelphia, stopped in Providence on his return from Boston, where he has been securing space for an exhibit at the National Flower Show to be held in March.

J. Kopelman has a fine display of Azaleas, Poinsettias, and many made up designs in all sizes and shapes. The display is noticeable on account of the artistic manner in which it is arranged. Many small Christmas baskets help to make a very attractive window.

E. E. King, Attleboro, Mass., brought his first Trumpet Narcissus to town on Monday. He cannot supply any quantity at present but has the honor of bringing the first into Providence.

M. J. Leach & Sons, Pawtucket, reports a good supply of stock of Christmas plants. They are operating two stores during Christmas time, one for greens, trees, etc. Carnations are selling there at from 75c. to $1.25 per doz.; Roses at $1.50 to $5 per doz. They are using large quantities of Boxwood this season.

John Macrea, Smith st., reports business good, Carnations wholesaling at $6 to $8 per 100, with a scarcity of good colored pinks. All stocks of Carnations are well cleaned up with them, and prospects are good for Christmas trade.

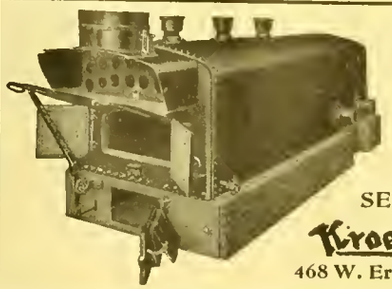
T. R. Peterson, Benefit st., reports good business with the outlook fine for good holiday trade.

Wm. Hoffman, Pawtucket, R. I., has an elegant stock of Primulas, Poinsettias, Cyclamen and Azaleas in bloom for the holiday trade. He reports business very good and the outlook bright for Christmas. He is using more Boxwood for wreaths and decorations this season than ever before.

J. Kinder of Bristol was in town on Monday, purchasing supplies. and D. E. Newell, Attleboro, Mass., was also here on Monday, looking up Christmas greens, of which Holly and roping are among the scarce articles; 12c. to 15c. per yard is asked for the cheapest kinds of roping.

T. O'Connor, Blackstone blvd., has been very busy during the past two months. He has a fine supply of Azaleas, Cyclamen, Primulas, etc., in bloom for the holiday trade. On Sunday he sent a wagonload of funeral designs for the Wightman funeral at Woonsocket. His window display at the Westminster st. store is among the best in Providence at all times.

H. C. N.



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Kroeschell Bros. Co.
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Clear Gulf Cypress GREENHOUSE MATERIAL
Cut and Spliced Ready for Erection

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We carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection
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OUR NEW
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Will Lift Easy 100 Feet

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The Leading Firm on the Pacific Coast

CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

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Evans' Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, INDIANA

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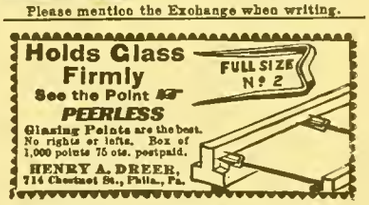
Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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THE EXCHANGE—Best Advertising Medium



FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St.

Please mention the Exchange when writing.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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The Trouble Man's Boss Talks About Santa Claus

IT was Jim Smith who told me, when a boy, that I was "a liar and that there wasn't any Santa Claus." Jim meant all right, but how it did jolt me to wake up to the fact that I had been flim-flammed all those years. First off, I made a lunge at Jim and was for licking the "stuffins" out of him, but he dodged and ran around the corner of the barn, and called me "patchy pants." I went home 'cross lots and hunted up old Carlo, the dog, and we sat in the wood shed and talked it all over.

Kid that I was, it was plain to me that things had changed—that all of a sudden I had sort of grown up—that there were new things ahead—big things.

Every once in a while in the years that have followed, that day has come back to me. Thought of it only this morning, when Dave Grier came into the office and began talking about building an all-wood house. Can it be, thought I, that Dave has actually gone back to his Noah's ark days—when there are Iron Frame days? The days when the live wires in the business are putting their money into those splendid, long-lived pieces of construction engineering that we call our Iron Frame Houses?

So before Dave went out I strolled over and asked him if he could recall a single grower who had our Iron Frame Houses, who did not have money in his sock? Asked him how he supposed that money got there; was it by dreaming Santa Claus dreams about the money that used to be made in wooden houses? Not by a long shot!

It got there because the growers got awake to modern methods, modern conditions—and have kept on keeping awake. They have kept not only apace with the times, but always just a little ahead of them. These are the kind of men, who "everything they touch turns into money."

If you are one of the Dave Grier kind—get in line! For heaven's sake, get in line! Then next year the chances are, that Santa Claus will leave two big plump bags for you like these.



Hitchings & Co.

ELIZABETH, N. J. and
1170 Broadway, NEW YORK CITY

Please mention the Exchange when writing.

GLASS

Greenhouse and Hot-Bed

SIZES OUR SPECIALTY

IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Providence—*Continued*

A regular monthly meeting of the R. I. Florists and Gardeners' Club was held at its rooms, 96 Westminster st., on Monday evening, December 19, with President Robert Johnston in the chair. The committee on the banquet reported it was decided to hold the annual banquet at the Club rooms on January 16, tickets $1.50. It is hoped that the craft will give the committee and President Johnston its support and turn out to make this banquet the best in the history of the Club. Tickets may be secured from Robert Johnston, Dorrance st., any time after Jan. 1. The members of the banquet committee are A. Macrea, Smith st.; H. C. Neubrand, 41 Washington st., and James Dillon, Swan Point Cemetery.

The Market

Christmas prices for all grades of cut flowers are: Roses: Firsts, $15 to $20 per 100; seconds, $8 to $12.50; thirds, $3 to $6; American Beauty, $8 to $35 per 100. Carnations, $5 to $10 per 100. Lily of the Valley, $4 to $5. Paperwhite Narcissus, $2 per 100. White Roman Hyacinths, $1.50 to $2.50 per 100. Mignonette, $2 to $3 per 100. Violets, 75c. to $1.25 per 100. Marguerites, $1.50 to $2 per 100. Poinsettias, $3 to $5 per doz. Orchids, $6 to $9 per doz. Adiantum Fern, $1.25 per 100. Boxwood, 18c. to 20c. per lb. Asparagus, 25c. to 50c. per bunch.

H. C. N.

A New Rubber Supply

A despatch from Ann Arbor, Mich., to the New York Herald says:

"After a search of eighteen months Professor John R. Allen, of the University of Michigan, and two assistants have located in the interior of Mexico a forest of rubber trees, the product of which is of remarkable quality. The first intimation of the forest's existence came when a traveller reported that native Indian children gathered a gum which, when squeezed into spherical shape, had the appearance and much of the resilience of a rubber ball.

"After locating the trees and roughly defining the boundaries of the mysterious forest, the party obtained concessions from the Mexican government for 800,000 acres of land timbered with the trees and a promise of still more land, and today they have a gum which London experts have pronounced to be the nearest approach to the celebrated Para rubber that has so far been put on the market. London dealers are said to have offered to buy all the gum these prospectors can put on the market for seventy-five cents a pound. The product costs seventeen cents a pound to deliver in New York City. When the Harriman lines are completed into Mexico they will run within sixty miles of this tract of land and the cost of transporting the product to New York will be considerably less.

"The gum comes from a tree that had never been classified botanically nor exploited commercially. The tree belongs to the Nettle family, having the appearance of the Horse Chestnut tree. The leaves and fruit cannot be handled with the bare hands, as the nettles burn the skin like a hot iron.

"The tree may be tapped five days in succession and then must be allowed to rest for three months. When tapped the tree oozes a milky substance which coagulates when exposed to the air. All that is needed to prepare this gum ready for market is to wash it.

"Samples of the new rubber were milled and the finished rubber vulcanized. The product shows excellent strength, although its resilience is not as great as that of Para rubber, due to an excess of resin. It has been found, however, that the product can be put through a deresining process at the cost of three cents a pound."

Greenhouse Building

RIDGEFIELD, CONN.—F. E. Lewis is erecting a large greenhouse in West Lane.

MARSHALLTOWN, IA.—The Western Grocery Co. is to erect a large greenhouse for vegetable growing.

GRAFTON, MASS.—Arthur W. Bostock, of Como, P. Q., Can., has bought the Wright farm here and is planning to erect greenhouses.

PRINCETON, ILL.—The W. E. Trimble Greenhouse Co. has commenced the erection of three 200 ft. greenhouses as an addition to its plant.

Commercial Violet Culture

PRICE, $1.50

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

FROZEN STIFF

Don't wait until your plants are ruined!!!

If you haven't used the



LEHMAN WAGON HEATERS or LEHMAN COAL

Order at Once:

3 Drawer Heater, $6.75. Coal, per dozen bricks, 75 cents.
1 Drawer Heater, $2.25. Coal, per 100 bricks, $6.00.

Stumpp & Walter Co.

SELLING AGENTS
50 Barclay Street NEW YORK

Please mention the Exchange when writing.

INSURANCE OF YOUR PLANTS FROM FREEZING in cold weather may be obtained at trifling cost if you will use a



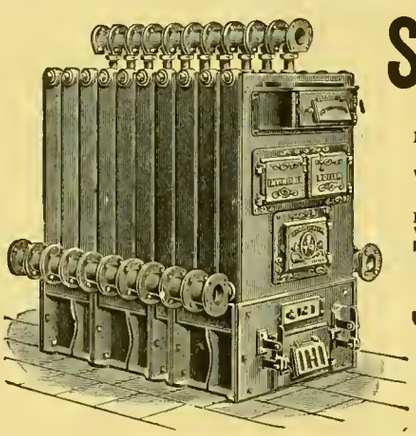
LEHMAN WAGON HEATER

There is no danger of fire; no smoke, dirt or gases to injure the plants. They burn **Lehman Coal**, which costs less than half a cent per hour. **350,000 Lehman Heaters** are in actual use which shows they have merit. **Florists everywhere use and recommend them. HAVE YOU ONE? BEWARE OF IMITATIONS!** Write for circular telling more about them today.

LEHMAN BROS.
MANUFACTURERS
10 Bond Street, NEW YORK

J. W. ERRINGER, General Western Sales Agent
45 East Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.



Scollay Boilers

ARE BEST

For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

It will pay you to get our special quotations. We also contract for and erect **Steam and Hot Water Heating** apparatus in all parts of the country.

Illustrated catalogues free on application

JOHN A. SCOLLAY,
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Order at Once. We Can Ship Promptly

Louisiana Red Cypress Greenhouse Material

GALVANIZED STEEL GUTTERS, TRUSSES, PURLINS, PIPE, FITTINGS
VENTILATING MACHINERY
PECKY CYPRESS GLASS HOTBED SASH

THE FOLEY MANUFACTURING CO., Western Avenue and 26th Street, CHICAGO, ILL.

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars

DILLER, CASKEY & KEEN. Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Greenhouse Materials Furnished and Erected

IRON or WOOD SASH BARS

In all lengths up to 32 feet

Milled to any detail furnished or will furnish details and cut material ready for erection

FRANK VAN ASSCHE, Fulton Ave., Rose Ave. and Dwight Street.
JERSEY CITY, N. J.

Please mention the Exchange when writing.

TILE (Buried Clay) **BENCHES**

Write today for Circular. Prices quoted on any quantity. Satisfactory results.

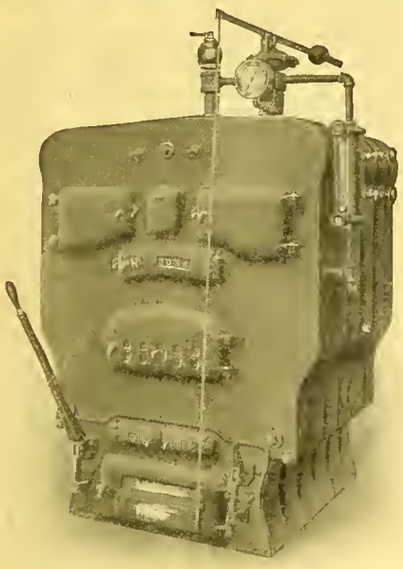
TILE BOTTOMS

Manufactured by
THE CAMP CONDUIT CO.
613 Euclid Ave. - - Cleveland, Ohio

Please mention the Exchange when writing.

METROPOLITAN MATERIAL CO.

1398-1408 METROPOLITAN AVE., BROOKLYN, N. Y.



ALL SIZES OF

Hot Water and Steam Boilers

carried in stock ready for shipment. Send for catalogue and prices. We have a few more Second Hand Boilers left.

New and Second Hand PIPE

Any quantity, or cut to sketch.

New Fittings and Tools

At prices paid for old.

A Large Stock New and Old

Single Light Double Light

Hot-Bed Sash

Hot-Bed Frames

Clear Louisiana Gulf Cypress

Greenhouse Material

GLASS in lots of 50 boxes or over at car load prices.



Send for printed matter describing our Sash, Ventilating Apparatus, Bench and Greenhouse Fittings.

Please mention the Exchange when writing.

An Artist of Nature

Written by C. S. Harrison, York, Neb., June, 1910

You may not have a gift which would place your work beside that of the old masters. Work as hard and as long as you may, you cannot reap an immortality of renown like a Raphael. It takes the most exacting skill, the finest taste and long years of persistent effort, and then not one in a thousand can reach imperishable renown.

And yet, the average reader of this article can be an artist whose work will defy the most fertile brain and cunning hand.

Take an acre of rich ground which has been a heritage of weeds and you can transform all that deformity into wondrous beauty. You can take the tints of the rainbow and weave them into garments of loveliness. You can take the splendors which glow in the mantles of the suns and work them into resplendent robes for your new creations. An acre for your canvas—was there ever such a picture on so vast a scale, painted by the hand of genius? Suppose a tenth of your work could be transferred to canvas and a building was erected to contain it—one vast picture breathing aroma fit for the breath of the gods with beauty such as never visited the courts of royalty—the artist who could paint it would be sure of immortality.

Do you know the original transcends the copy? You can produce the original, and the artist, at his best, can only be a feeble imitator. Take a live flower in all the prodigality of its loveliness, a living, breathing thing, exhaling that delicious fragrance. When it goes into a picture it can only be a corpse of itself. It is dead. No aroma floats around it. You have only embalmed it. You stand before the highest production of the painter in the supreme effort to portray the beauty of your garden of delight and you see only the effigy of things. So Nature, assisted by your skill, rises supremely above art, and the painter can only touch the hem of her garments.

You walk through these paths, lined with the glory of bloom, and you feel the tinglings of Deity in your soul, conscious that you, too, are a creator. Your hoe is a wand in the hand of a king and out of your hand and brain those floods of beauty have gone forth, and the dull earth is clothed with a carpet of splendor fit for the touch of angel feet.

All around you are tens of thousands of flowers, like brides preparing for their nuptials; they are silently making their toilets, putting on a blush here and a tint there. The quiet flutter of beauty is all around you and lo! armies dressed like princes from paradise stand before you saluting you as king and creator.

See that field of Peonies, some single and some double, some white, others dazzling crimson. There are those of glistening pink; some variegated, others open, with cream and gold fading to purest white, and, over all, hang billows of fragrance, and you are bathed in a sea of perfume. What a wreath of color! What a lavish prodigality of splendor! No constraint or limit in that glorious abandon of loveliness. It is as if the completeness of the floral world was poured out upon the earth, as if all the jeweled sunsets and all the rainbow tints were falling from the brushes of unseen artists to adorn your picture.

Soon will come the Phloxes, and the long and joyful array of the perennials, to keep up the radiant processions of beauty. There are myriads of forms standing in dress parade to cheer you with songs no human voice can sing, mute unmetered poems are they, eloquent, with sentiment and love, none the less precious because there is no voice to render them.

Concerning Walking Canes

The walking cane industry of Europe centers chiefly near Vienna, Austria, and Paris, France. At Maule, near Paris, there are extensive fields planted with young Ash, Oak, Maple and Chestnut, and also a number of other trees, to test the kinds best suited for the purpose. The young stems are generally cut down close to the ground after the first year, causing a number of young shoots to spring up, which are then disbudded, to prevent further branching, a bunch of leaves being allowed to the top shoot only, so as not to interfere with the circulation of the sap. During the period of growth ornamental incisions are furthermore made into the bark, so that it generally takes three years to grow a cane. The trees are then cut down, dried and put into a steam bath, after which the bark is easily peeled off. Then the sticks are cut to the required length and one end is bent into the handle. Where an ornamental handle is desired, special treatment is necessary during the period of growth, a few small branches being manipulated so as to grow into the main stem, but this work requires an expert hand.—*Der Handelsgaertner.*

We make a specialty of Greenhouse Stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

THERE ARE FASHIONS IN ADVERTISING
BUT ABOUT
GREENHOUSE CONSTRUCTION
WE WANT TO TELL YOU SIMPLY THE PLAIN UNVARNISHED TRUTH ABOUT
KING GREENHOUSES AND GREENHOUSE MATERIAL.
WRITE FOR OUR BULLETINS AND THEY WILL TELL THE TALE.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

Please mention the Exchange when writing.

? ? ?

DO YOU KNOW

That we sell the greenhouse complete, or any part of it?
That our prices are low enough for you to save money, no matter where you live?
That our construction is up-to-date and the best for commercial greenhouses?
That you are losing money if you have never tried our goods?
That we issue three complete catalogs covering everything you need?

If you don't, write right now! ! !

John C. Moninger Co.
CHICAGO
906 E. Blackhawk St.

Please mention the Exchange when writing.

JOHN A. PAYNE
Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
For Private and Commercial purposes
Send for Circulars and Estimates
260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

CHARLES H. DODD
GREENHOUSE BUILDER
HEATING AND VENTILATING
IDEAL GREENHOUSE BOILERS
Materials Furnished or Erected
576-580 Ocean Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

A. HERRMANN
Manufacturer of **Floral Metal Designs**
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Please mention the Exchange when writing.

NOW IS THE TIME TO BUY
GLASS We Have Interesting Prices
SHARP, PARTRIDGE & CO.
Long Distance Phone Canal 880
CHICAGO, ILL.

Please mention the Exchange when writing.

TILE DRAINED LAND IS MORE PRODUCTIVE
ROUND TILE
Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

Please mention the Exchange when writing.

A Christmas Thought And Two Others

AFTER all, December is kind of a mixed up month with its Christmas frolics and the fun of forgetting bothersome things; but along with it all comes "How do we stand for the year?"

Take the coal question: if it's your first year with one of our wide houses, you know it's a big fuel saver—you are happy over that and mighty depressed over the coal those small houses eat up.

If you have had a chance to try out *The Burhnam Boiler:* you know now what we have always known, that it's the greatest fuel saver made; that it carries a slumber fire perfectly or heats up like mad, just as you want it—and when you want it.

Altogether it has been a pretty satisfactory year, and we are delighted to have become acquainted with you—next year let's know each other a lot better.

LORD AND BURNHAM CO.
IRVINGTON, N. Y.
New York St. James Bldg. Boston Tremont Bldg. Philadelphia Heed Bldg. Chicago The Rookery

Please mention the Exchange when writing.

A. Dietsch Company
2638 Sheffield Ave., CHICAGO

Greenhouse Material Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS
N. COWEN'S SON
14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog
GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

STANDARD PUMP & ENGINE CO. PUMPING ENGINES CLEVELAND, O. U.S.A.

Publicity Is Our Best Policy

Yes, and Honest Publicity, at that. We have only to **show you why** the **STANDARD PUMPING ENGINE** is the machine you need in order to **convince you.**

That's why we are getting out **a new series of advertisements,** to appear in this paper beginning with the first of the year. It's like a continued story, and all about **STANDARD PUMPING ENGINES.** These are not mere advertisements, but they're live and pertinent bits of **solid information** of real value to you as a Florist. Each is a link in the chain of interest, so don't miss one.

THE STANDARD PUMP & ENGINE COMPANY, 15 Michigan Street CLEVELAND, OHIO

Please mention the Exchange when writing.

Amherst MASS

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXX. NO. 27 NEW YORK AND CHICAGO, DECEMBER 31, 1910 One Dollar Per Year

WHITE ROSES

We Make a Specialty of

WHITE KILLARNEY

And can Supply White Roses

In Any Quantity at Any Time

Our regular output is shipped to New York daily, so in buying from us you are always sure of getting absolutely fresh stock of uniform quality and stock that has not been held or re-handled. The quantity we cut daily is so large that we do not have to hold flowers awaiting orders. **Buy direct from the grower, securing freshest possible stock.**

When in need of White Roses write, wire or telephone us.

Finest Quality. Reasonable Prices. Prompt Shipment.

Long Distance Telephone, Tarrytown 48.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

ROSES FOR 1911

DARK PINK KILLARNEY

A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. When Killarney is pale, Dark Pink Killarney is bright and cheerful.

Grafted Plants only, from 2¼-inch pots: $20.00 per 100, $180.00 per 1000.

LADY CROMWELL

A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer, and a color that sells.

Grafted plants only, from 2¼-inch pots: $30.00 per 100, $250.00 per 1000.

DOUBLE PINK KILLARNEY

Originating with Robert Scott and Sons, who supply us the wood for grafting. Stronger in growth than Killarney, and with at least ten more petals. A wonderful improvement.

Grafted stock only: $30.00 per 100, $250.00 per 1000.

PRINCE DE BULGARIE

The best prices for cut flowers should be the standard for judging Roses, and this Rose has been the money getter. Strong and vigorous in growth, and with its beautiful shell pink bloom it has sold on sight. One of the best Roses grown.

Grafted Plants, $20.00 per 100, $180.00 per 1000. Own Root, $15.00 per 100. $120.00 per 1000.

MRS. AARON WARD

By far the most pleasing of the yellow Roses now on the market. A general favorite, and one which will be widely grown, for yellow Roses are in demand.

Grafted Plants, $25.00 per 100, $200.00 per 1000. Own Root, $12.00 per 100, $100.00 per 1000.

MELODY

We have reserved for our orders own root plants of this choice novelty. No grafted plants.

From 2¼-inch pots, $30.00 per 100, $250.00 per 1000.

RADIANCE

Strong in growth and making plenty of stem. Cerise pink in color.

Grafted Plants, $18.00 per 100, $150.00 per 1000. Own Root, $10.00 per 100, $90.00 per 1000.

Killarney, White Killarney, Richmond, My Maryland, Kaiserin Augusta Victoria

These are the old standards and we are headquarters for young stock.

Grafted Plants, $15.00 per 100, $120.00 per 1000. Own Root, 2½-inch, $6.00 per 100, $50.00 per 1000.

Please mention the Exchange when writing.

AZALEAS

Of the following varieties: Vervæneana, Madam Van der Cruyssen, Empress of India, De Schryveriana, Deutsche Perle, Llewelyn, Niobe, Mem. L. Houtte, Mme. Petrick.

	Doz.	100
12 to 14-in. crown	$8.00	$60.00

Chinese Lilies

30 bulbs to the basket, 4 baskets to bundle, $3.25 per bundle; $24.00 per 1000.

Carnation Cuttings

For January and later Delivery

	100	1000
Pink Delight	$6.00	$50.00
Mrs. C. W. Ward	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
Admiration	6.00	50.00
Pure White Enchantress	3.00	25.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Winona	2.50	20.00
White Perfection	2.50	20.00
Beacon	2.50	20.00

GLORIOSA, the best Pink up to date and WHITE WONDER (Dorner's New Variety), $12.00 per 100, $100.00 per 1000. Get your order in now for early Delivery.

Hydrangea Otaksa

One to two shoots, $6.00 to $10.00 per 100.

Three to five shoots, $15.00 to $20.00 per 100.

Stock guaranteed; fine, healthy, field-grown plants. Orders taken for immediate shipment or later.

Lilium Formosum

	100	1000
7x 9, 300 to the case	$8.00	$70.00
9x10, 200 to the case	10.50	95.00

Case Lots at 1000 Rates

Lilium Giganteum

	100	1000
7x 9, 300 to the case	$7.00	$60.00
8x10, 225 to the case	10.00	90.00
9x10, 200 to the case	12.00	100.00

Case Lots at 1000 Rates

	100	1000
Lilium Magnificum, 8x9, 200 to the case	$5.50	$52.50
Lilium Auratum, 8x9, 160 to the case	5.50	50.00
Lilium Auratum, 8x9, 130 to the case	5.50	50.00
Lilium Album, 8x9, 220 to the case	8.50	80.00
Lilium Album, 8x9, 200 to the case	8.50	80.00

WM. F. KASTING CO.

383-387 Ellicott St., BUFFALO, N. Y.

Please mention the Exchange when writing.

GERANIUMS

WE are prepared to furnish GERANIUMS in large quantities, for immediate shipment, in the best assortment of Standard Varieties in the country, from 2 inch pots, at $2.00 per 100, $18 50 per 1000. From 3 inch pots, at $3.00 per 100, $25.00 per 1000.

We will send 1000, 50 each of 20 distinct Double Varieties, our selection, from 2 inch pots at $18.50, 3 inch pots, $25.00 per 1000. Cash.

SPECIAL OFFER For the first week of the New Year, we will send 6000, from 2 inch pots, in 20 varieties, our selection only, for $100.00 Cash; for shipment between January 1st and 7th.

	2-inch per 100
GERANIUMS, Silver Leaf S. A. Nutt	$4.00
GERANIUMS, Mountain of Snow	4.00
GERANIUMS, Ivy, Variegated-Leaved Eleganta	4.00
GERANIUMS, Variegated Rose, Lady Plymouth	4.00

COLEUS, ROOTED CUTTINGS, Golden Bedder, Verschaffeltii, Queen Victoria, etc., 60 cents per 100, $5.00 per 1000.

	2-inch per 100	3-inch per 100
COLEUS, Brilliancy	$3.00	$4.00
COLEUS, Golden Bedder, Verschaffeltii, and Other Kinds	2.00	3.00
LANTANAS, 10 Varieties	2.00	3.00
HELIOTROPE, Assorted	2.00	3.00
FUCHSIA, 6 Kinds	2.00	3.00
SWAINSONA ALBA	2.00	3.00
LEMON VERBENAS	2.00	3.00
ALTERNANTHERAS, 6 Varieties	2.00	3.00
TRADESCANTIA Zebrina Multicolor	2.00	3.00

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

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A Happy New Year!

	100	1000
LILIUM Harrisii, 9-11	$10.00	
FREESIAS, Selected	.35	$3.50
TULIPS, Artus, scarlet	.50	5.00
Chrysolora, yellow	.50	5.00
Pottebakker, yellow	.50	5.00
Double Rex Rubrorum	.50	5.00
Double La Candeur	.50	5.00
WHITE ROMAN HYACINTHS, 13-15 ctms	1.50	15.00
DUTCH HYACINTHS, Named varieties	3.00	
LILY OF THE VALLEY PIPS	1.25	11.00
SPIRÆA, Japonica, extra strong	5.00	
Gladstone	9.50	

CHINESE SACRED LILIES, $1.25 per basket of 30 bulbs.
SHEEP MANURE, Pulverized, $1.50 per 100 lbs.

	Tr. pkt.	Oz.
ASTER, Queen of the Market, in colors	$0.20	$0.50
BEGONIA Vernon	.25	3.00
BELLIS Perennis, mixed	.20	1.00
CANDYTUFT, White Empress	.20	1.75
COBŒA Scandens, blue	.15	
DAISY, Shasta	.20	
LOBELIA, Crystal Palace Compacta	.25	
MIGNONETTE, Goliath	.25	
MYOSOTIS, Victoria	.25	.50
PETUNIA, Grandiflora, Mixed	1.00	
PYRETHRUM Aureum	.10	.30
SALVIA, Bonfire	.25	2.50
STOCKS, Ten Weeks, in colors	.25	2.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

We Print Catalogues

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

DAHLIAS

We are growers of the very best; have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Stokes Seeds Philadelphia — Salvia Seed For Seedsmen

I have a small surplus of my own growing at "*Floracroft Gardens*" as follows:

	Oz.	Lb.
SALVIA Splendens	$0.75	$9.00
SALVIA Clara Bedman or Bonfire	1.60	16 00

ALL 1910 CROP

STOKES' SEED STORE
219 Market Street Philadelphia Pa.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

PETUNIAS

Seede of our celebrated strains

Marvelous Double and Giants of California (Single)

Seeds ready for immediate delivery.

We are also large growers of other Small Seeds. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
Ventura, California

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By C. W. WARD

Price $3.50. Send for Sample Pages
A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

PRICES ADVERTISED ARE FOR TRADE ONLY

SPIRAEA CLUMPS

Fine selected clumps, packed 100 clumps to the case . . .

GLADSTONE, $9.00 per 100; $87.50 per 1000.
COMPACTA MULTIFLORA, $8.00 per 100; $75.00 per 1000.
QUEEN ALEXANDRA, $15.00 per 100; $145.00 per 1000.

We also have about 30,000 extra fine LILY OF THE VALLEY PIPS, that we offer at $14.00 per 1000.

Stumpp & Walter Co. *50 Barclay Street New York*

Please mention the Exchange when writing.

Onion Seed—Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on [illegible] crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., - Chillicothe, Ohio

Please mention the Exchange when writing.

New Seed for Florists' Planting

WE are rapidlygetting our New Stocks of all the various kinds of Flower and Vegetable Seeds ready for orders. New ASTER SEED CATALOGUE and WHOLESALE PRICE LIST ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

JAMES VICK'S SONS, Rochester, New York

Please mention the Exchange when writing.

CANNA ROOTS CANNA ROOTS

Home grown; true to label; 2 and 3 eyes each; in perfect condition.

	100	1000
ALLEMANIA, 5 ft., Orchid-flowered	$1.75	$15.00
BLACK BEAUTY, 6 ft., Bronze-leaved	3.50	
COMTE DE BOUCHARD, 4 ft., Yellow	1.75	15.00
CRIMSON BEDDER, 3 ft., Bright crimson	2.00	18.00
DAVID HARUM, 4 ft., Bronze-leaved	2 50	
EMILE WIELAND, 4½ ft., Bright scarlet	3.50	
FLORENCE VAUGHAN, 5 ft., Yellow	1.75	15.00
KING HUMBERT, 5 ft., Bronze leaved	$2.75	$25.00
MRS. KATE GRAY, 6 ft., Orchid flowered	1.75	15.00
PENNSYLVANIA, 5 ft., Orchid flowered	1.50	14. 0
PRES. CARNOT, 4 ft., Bronze-leaved	1.75	15.00
WYOMING, 7 ft., Orchid flowered	2.00	18.00
YELLOW CROZY, 3½ ft., Yellow	2 00	
MIXED CANNAS	1.50	12.00

HON. BENJ. F. HOWELL. This is indeed a wonderful Canna and may justly be termed an improved King Humbert. It's of slightly taller growth and very like King Humbert in flower and foliage—fully equalling that grand variety; in fact, being a still freer bloomer. It is of American Origin and possesses the decided advantage over King Humbert of making roots more freely and to be a much better keeper. Being fully as good as King Humbert in every way—almost exactly like it in both flower and foliage—and being far better commercially, it is bound, in the near future, to supersede it. The sooner every Grower of Cannas gets it, the better off he will be. **Price $1.00 per dozen; $5.00 per 100.**

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

"Kindly discontinue my advertisement in your Help Wanted column, as I am now suited; must say that the advertisement was very satisfactory."

Address of this advertiser upon application.

COCOS SEEDS

Delivery of 1910 Crop in December and January

	100	1000
COCOS argenteum	$1 50	$12 00
Braziliensis	1 50	12 00
Alphonsei	1 50	12 00
Yatay	1 50	12 00
maritima	1 50	12 00
schizophylla	1 50	12 00
lepid	1 50	12 00
COCOS campestris	$1 50	$12 00
petraea	1 50	12 00
Bonnetii	1 50	12 00
eriospatha	1 50	12 00
Gartneriae	1 50	12 00
Blumenair	1 50	12 00
humile	1 50	12 00
edorata	1 50	12 00

MacRORIE-McLAREN CO.

711-714 Westbank Building, San Francisco, California

NURSERIES, SAN MATEO, CALIFORNIA — SOLE AGENTS ON THE PACIFIC COAST FOR APHINE

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

NEW CROP MAMMOTH VERBENA and SCARLET SAGE SEED

UNRIVALED STRAINS FROM NOTED SPECIALISTS

GIANT VERBENA, pink scarlet, white, striped ..... Trade Packet (100 seeds), 25c.. Ounce, $1 25
GIANT, Brilliant Mixed..... Trade Packet (100 seeds), 25c . Ounce, 1.00
SALVIA SPLENDENS BONFIRE ..... Large Trade Packet, 30c . Ounce, 2.00
SALVIA SPLENDENS ..... Large Trade Packet, 25c., Ounce, 1.00

Headquarters for Winter Forcing Rhubarb and Asparagus Roots.

Exceptional Values in Dutch Bulbs—Write for Surplus List.

JOHNSON SEED COMPANY, 217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SPIRAEA and GLADIOLI

	Doz.	100
SPIRAEA Gladstone, Extra strong clumps	$1.25	$9.00
SPIRAEA Compacta Multiflora..	1.00	6.00
SPIRAEA Astilboides Floribunda	1.00	6.00
SPIRAEA Superba	1.25	7.00
GLADIOLI Colvillei, The Bride, 1000, $5.00	.15	.75
GLADIOLUS, Peach Blossom, 1000, $9.00	.20	1.25
Strong Roots, AGAPANTHUS. UMBELLATUS, blue	1.50	10.00

Write for prices on Fresh Asparagus Plumosus Nanus Seed.

H. H. BERGER & CO., 70 Warren St., New York

Please mention the Exchange when writing.

XXX SEEDS

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, Giant Double Fringed, very fine, trade pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact. Large pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 600 seeds. $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c. A wonderful bloomer.
CINERARIA, large-flowering dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 250 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz., $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c. Best New Giants.
LOBELIA, EMP. WM., dwarf, very dark blue, finest of all the Lobellas; pkt. 20c.
TORENIA FOURNIERI, New Giant, extra fine, pot plant, pkt. 20c. Showy.
CANDYTUFT, New Giant Hyacinth-flowered, a great cutter, pkt. 20c.
ANTIRRHINUM NOVELTIES. Defiance, fiery scarlet; **Black Prince,** nearly black; **Queen Victoria,** finest white. **Mixed,** or **Separate,** pkt. 20c
SWEET WILLIAM; new colors of large white-centered, fine, pkt. 20c.
COLUMBINE, New blue with yellow spurs, extra, pkt. 20c. Grand Novelty.
SHAMROCK, Irish Green, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP
FLORIST SEEDSMEN
SHIREMANSTOWN, PA.

Please mention the Exchange when writing.

11 SPECIAL OFFER F O B YOUR DEPOT 11

Prices hold good as long as stock is on hand: Per 1000
Hyacinths, mixed colors, separate $20.00
Hyacinths, miniature, true to name..... 18.00
Hyacinths, second size, true to name..... 35.00
Hyacinths, first size, true to name 50.00
Tulips, single, in finest mixture, separate colors. 7 00
Tulips, single, Artus 10 00
Tulips, single, Keizerkroon. 11.00
Tulips, single, La Reine 8.00
Narcissus, von Sion, double-nose, extra floe 13.00
Spiraea, Gladstone, fine, heavy clumps $9.00 and $12.00 per 100
Spiraea, Queen Alexandra, fine clumps, $16.00 per 100.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

The American Carnation
PRICE, $3.50
A. T. De La Mare Ptg. & Pub. Co.
2 to 8 Duane Street, New York

Fresh Tested Seeds

For Early Sowing.

	Tr. Pkt.	Oz.
ALYSSUM, Little Gem	$0 10	$0 30
AGERATUM, Blue Perfection	15	40
AGERATUM, Dwarf White.	10	25
BEGONIA Gracilis Luminosa	50	
BEGONIA Gracilis Rosea..	50	
COBAEA SCANDENS, Purple	10	30
COBAEA, Scandens, Purple	10	30
LOBELIA, Crystal Palace..	25	
PETUNIA, Ruffled Giants..	1 00	
PETUNIA, California Giants	1 00	
SALVIA, Bonfire	40	2 25
SALVIA, Zurich	50	4 00
SALVIA, Ball of Fire	50	4 00
SALVIA Splendens	25	1 00
VERBENA, Mammoth, five colors	30	1 25

Scranton Florist Supply Co.
201 North 7th Street, SCRANTON, PA.

Please mention the Exchange when writing.

SEEDS—SEEDS

Fresh Reliable

"For Early Sowing"

	Tr. Pkt.	Oz
Salvia Clare Bedman—"Bonfire"	$0 25	$2.25
Salvia Splendens	.15	1.00
Verbena, S. & I. Choice Mammoth Mixed	.25	1.50
Verbena S. & I. Choice Mammoth Separate Colors	.25	1-25
Lobelia, Crystel Palace Compacte	.25	
Lobelia, Speciosa (Trailing)	.15	
Begonia, Vernon 1/16 oz. 50c	.25	
Begonia, Luminose. Fiery dark scarlet	.40	
Petunia, Giants of California, 1/ 6 oz. $2.00	.50	

Asters (Vick & Hill grown), see Catalogue

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

SEND FOR OUR NEW CATALOGUE
Please mention the Exchange when writing.

Fresh Mushroom Spawn



ENGLISH AND AMERICAN

Vaughan's Seed Store
CHICAGO 84 RANDOLPH STREET
NEW YORK 25 BARCLAY STREET

Please mention the Exchange when writing.

DELPHINIUM FORMOSUM
HARDY LILIES
Tenuifolium, Wallacei, Hansoni, Henryi, etc.
IRIS KAEMPFERI, DAPHNE CNEORUM and GERMAN IRIS.
WRITE FOR PRICES
E. S. MILLER, Wading River, N.Y.
Please mention the Exchange when writing.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

P. C.

Trade Mark

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address American Spawn Co., St. Paul, Minn

Please mention the Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION

President, E. L. Page, Greene, N. Y.; first vice-pres., Leonard H. Vaughan, Chicago, Ill.; second vice-president, M. H. Duryea, New York, N. Y.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard Vaughan, Chicago, Ill.

IMPORTS, ETC., Dec. 21., S. S. United States.—Hensel, Bruckmann & Lorbacher, 22 pkgs. seeds; J. M. Thorburn & Co., 6 pkgs. seeds; S. S. Re d'Italia—F. B. Vandegrift & Co., 400 bags seeds. S. S. Florida—J. Cobb, 117 bbls. Clover seed; H. F. Darrow, 164 pkgs. seed; Stumpp & Walter Co., 2 bags seed; Vaughan's Seed Store, 9 bags seed; Wakem & McLaughlin, 12 bags seed; F. B. Vandegrift & Co., 18 bags seed. S. S. Minnetonka—E. W. Moody & Sons, 100 bags seed; A. T. Boddington, 7 pkgs. seed; T. Meadows & Co., 26 bags seed. Dec. 22, S. S. Vaderland—Maltus & Ware, 12 cases bulbs and plants; H. F. Darrow, 7 cases plants; H. H. Berger & Co., 3 cases plants; O. G. Hempstead & Son, 1 case plants. S. S. Ducca d'Abruzzi—New York Nursery Co., 4 pkgs. seed, etc. S. S. Chicago—A Rolker & Son, 22 cases plants; McHutchison & Co., 21 cases plants. Dec. 23, S. S. George Washington—G. W. Sheldon & Co., 24 pkgs. seed.

European Notes

Wet, mild, stormy, form a very disagreeable and dangerous trinity under whose control we have for the past sixteen days "existed"; the like has not been seen for more than a generation. All over Europe the conditions are the same, varying only in intensity.

It is in France, however, that the destruction is most severe. In the Anjou district the floods cover the greater part of the seed growing country at a depth of from one to two metres and, while these torrential rains continue, there can be no abatement. The river Authion, filled to overflowing, could not find an outlet in the already overcharged Loire, and so all the surrounding land was quickly covered, but the Orleans Railway embankment saved the district lying between the railway and the Loire. The force of the overflow has been so great, however, that the railway has been cut and now all the district is one vast sea. Growers are driven from their homes and the destruction, which cannot now be fully estimated, is simply terrible.

To many little farmers it means complete ruin, a very sad ending to a very sad year. EUROPEAN SEEDS.

American Notes

The Year 1910

The year 1910, in so far as regards the seed trade of this country, has developed in large degree, so to speak, a number of important matters that now, and will in the future, more and more vitally concern the successful distribution of seeds. The thoughtful seedsman cannot but have fully realized that as the years pass seeds of all kinds are slowly, perhaps, but none the less steadily and persistently reaching higher levels of values from the grower's, seedsman's and customer's standpoint. That

A good salesman is a valuable friend to a business man. He is a walking bureau of information and generally a very intelligent man. Often his time is worth more than that of the man he is selling—he comes perhaps only once a year—and always tries to wear a smile. Now, the best hotel is a poor home, and the boys on the road usually deserve courteous treatment; yet the writer has met men who look upon them as a menace to their business, whereas they are a benefit. The successful salesman has no time to talk about others, he is a booster; he is not merely an order-taker, but a business getter; he is aggressive; has strength of purpose, combines the interests of the house with those of his clients; and in general is a very capable man and an indefatigable worker. He knows no hours for sleep until his business is done, and he eats when he can; stands all kinds of climate and all kinds of people; and is a vital part of this business world of ours and a man worth your time to see.

We know there are some salesmen or order-takers in this business who are rum-guzzlers, and some are business beggars, the latter being principally foreigners; but there are good ones, and there will be more as time flies. "Horseshoe Brand Salesmen" are gentlemen, who have faith in their goods and the house, who have practical experience in the Importing Business, and who are absolutely independent men, that have "made good." They are selling the best there is and they know it, and those they do not reach, the mail does, and we solicit business from all who want "Horseshoe Brand Products."

RALPH M. WARD & COMPANY
"Not How Cheap But How Good" 12 WEST BROADWAY,
NEW YORK
Please mention the Exchange when writing.

Forcing Gladiolus

For Immediate Delivery

Many florists plant these in boxes, or among their Carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch crop and take up but little room. The following are the best for this purpose:

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. **$3.00** per 100, **$27.50** per 1000.

Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up. **$16.00** per 1000.

Shakespeare. White and rose. **$4.75** per 100, **$45.00** per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, **$1.75** per 100, **$15.00** per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, **$1.25** per 100, **$12.00** per 1000. First size bulbs, **$1.25** per 100, **$10.00** per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. **$1.25** per 100, **$12.00** per 1000.

American Hybrids. A mixture of the choicest varieties of Gladioli in cultivation. **$1.00** per 100, **$9.00** per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street, NEW YORK CITY

Please mention the Exchange when writing

Cold Storage Lilies

For Decoration Day

Formosa, 7x9, 280 to the case	$21.00	Multiflorum, 7x9, 300 to the case	$17.00
Formosa, 7x9, 300 to the case	22.50	Multiflorum, 8x10, 250 to the case	17.00
Formosa, 8x10, 240 to the case	21.60	Multiflorum, 9x11, 180 to the case	17.00
Formosa, 9x10, 200 to the case	21.00	Giganteum, 7x9, 300 to the case	27.00
		Giganteum, 7x9, 100 to the case	10.00

SCRANTON FLORIST SUPPLY CO., 201 NORTH 7th STREET SCRANTON, PA.

Please mention the Exchange when writing.

FOTTLER, FISKE, RAWSON CO.

Boston Flower Market Stocks

Have held a reputation of unexcelled quality with a large share of the Florists in all parts of this country for the past fifteen years; 85 to 90 per cent. Double Flowers.

Pure White, Trade Packet 75 cents, ounce $5.00. **IN COLORS, Crimson, Canary Yellow, Dark Blue, Deep Blood Red, Apple Blossom, Rose, Light Blue** and **Scarlet**, Trade Packet 60 cents, ounce $4.00.

Fottler, Fiske, Rawson Co., Faneuil Hall Square, also 26 So. Market St. **Boston, Mass.**

Please mention the Exchange when writing.

JUST RECEIVED

New crop of finest strain of Cyclamen persicum giganteum.

"Berglinden Strain"

(Cannot be equaled in this country.)

	100 Seeds	1000 Seeds
Mont Blanc, pure white	$0.60	$5.00
Atropurpureum	.60	6.00
Superbum, white with dark eye	.60	5.00
Roseum, Rose V. Marienthal	.60	6.00
Salmoneum	.60	6.00
Lilacinum, beautiful lilac	.60	6.00
Rococo, extra large fringed.	.75	6.00

Also all other flower seeds for florists.

"BUDS" 76 Barclay St., NEW YORK, N.Y.

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

FOR THE BEST **New and Standard**

DAHLIAS

Peacock Dahlia Farms

Post Office, Berlin, N. J. **Williamstown Junction, N. J.**

Please mention the Exchange when writing.

DAHLIA ROOTS

Whole Field Clumps, at $5.00 per 100 and up. 1000, in 10 distinct kinds, either Show, Decorative or Cactus, our selection of kinds, for $40.00 cash.

CANNA ROOTS

Strong Division, at $2.00 per 100, $12.00 per 1000, and up. **Send for List.**

R. VINCENT JR., & SONS CO., White Marsh, Md.

Please mention the Exchange when writing.

CAN'T FIND THAT STOCK WANTED!

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over. Try it next time you can't find advertised in these columns just what you want.

REAL BARGAINS

	100 lbs.		100 lbs.
White Kaffir Corn	$1.50	Yellow Bird Millet	$1.75
Fancy Hemp Seed	2.75	Bird Vetches	2.25
Sicily Canary Seed	2 62	Red Bird Millet	2.25
German Bird Rape	3.50	Canada Field Peas	$1.50 per bu

Terms: 1%—10 days. 60 days net. All in original bags weighing 250 lbs. which are weighed in.

J. BOLGIANO & SON, Importers and Wholesalers **Baltimore, Md.** Established for 92 Years

Please mention the Exchange when writing.

LILIES

At Reduced Prices

HARRISII

5x7 (400 to case)	$25.00 per 1000
6x7 (300 to case)	35.00 per 1000
7x9 (200 to case)	45.00 per 1000

MULTIFLORUM

6x8 (400 to case)	$20.00 per 1000
7x9 (300 to case)	30.00 per 1000
9x10 (200 to case)	50.00 per 1000

GIGANTEUM

6x8 (400 to case)	$30.00 per 1000
9x10 (200 to case)	70.00 per 1000
10x11 (150 to case)	85.00 per 1000

SEND FOR SPECIAL QUOTATIONS ON LARGE LOTS

SPIRÆA

	Per doz.	Per 100
QUEEN ALEXANDRA	$1.80	$11.00
ASTILBOIDES FLORIBUNDA	.85	6.00
ASTILBOIDES SUPERBA	.90	6 50
BLONDIN	.85	6 00
COMPACTA MULTIFLORA	.75	5.50
GLADSTONE	1.25	8.50
JAPONICA	.65	4.50

Lily of the Valley

	Per 1000	Per 5000
LONDON MARKET BRAND	$14.00	$67.50
PREMIUM BRAND	12 00	57.50
INTERNATIONAL BRAND	10.00	47.00

CHINESE LILIES

	Per 1000
MAMMOTH SIZE	$40.00
SELECTED 1st SIZE	25.00

Vaughan's Seed Store

New York 25 Barclay St. **Chicago**

Please mention the Exchange when writing.

this higher range of seed values, which, of course, means a higher range of retail selling rates, has come to stay, is the best opinion of the trade. It is not necessary at this time to go into full details as to why a higher range of seed values seems to have now become a permanency, as the causes, in large measure, are fully and well understood by dealers generally; but it may be mentioned here, and most emphatically, that the sources of supply for seeds—that is, the number of expert growers who produce the best quality stocks in standard grades of seeds—recognized throughout the country as first quality in every respect, have not increased in numbers, in adequate proportion to the demand which, during the last decade, has so strongly, increasingly and steadily become apparent for seeds of every kind. Sooner or later the fact that the sources of supply of the best seeds are not keeping pace with the demands will be even more fully recognized than it is at present. We all of us talk about this seed-shortage matter, but we do not always fully grasp its importance. There can be only one result, and that is, higher prices for seeds. Prices have advanced steadily for four or five years, and this condition looks as if it would continue right along. Of course, all readers will understand that famine seed crops—the past season's, for example—and even fair average crops will from season to season make large differences in selling rates of seeds; but the broad, general fact cannot be gainsaid—higher seed selling prices are a certainty in the coming years.

A Happy New Year to all.

V.

New York Seed Trade

It must be noted that the severe rain storm of last Saturday, which continued unabated throughout the morning, made a very material inroad iuto what otherwise would have been a most successful Christmas business, with those seedsmen who make a specialty of decorative greens and other holiday goods. Other lines of regular seed business are now, of course, in so far as sales are concerned, at their very quietest.

The double holiday was greatly appreciated and much enjoyed by the entire seed trade, the extra day giving many the opportunity to visit their homes, even in distant States.

Mr. aud Mrs. C. W. Scott, of the Yokohama Nursery Co., are spending the Christmas holidays in Bermuda.

The many friends of B. L. Chadwick, of Vaughan's Seed Store, will be sorry to learn of the death of his father, at London, Ontario, in the early part of the week.

The Stumpp & Walter Co. are offering to the trade a special line of florists' plant tubs. These tubs are made in ten sizes and are priced in dozeu or hundred lots at most attractive rates.

Burnett Bros., as usual, will soon send out their annual seed catalog. From advance sheets seen, the publication will be most attractive this year; the color scheme of the covers is red and green: decidedly striking Kriemhilde Cactus Dahlias ornament the front, and a lawn view the back covers.

At Boddington's, this week, Gloxinia and Begonia bulbs are being received, and both are of extremely fine quality.

Representative Seedsmen

THE W. E. BARRETT CO.
PROVIDENCE, R. I.
One of New England's Oldest Seed Houses
GENUINE SQUANTUM SWEET CORN
RHODE ISLAND BENT GRASS SEED
SEND FOR 1911 CATALOGUE
Please mention the Exchange when writing.

GARDEN PEA SEED
Gradue, Thos. Laxton, Sutton's Excelsior and othere of the short crop Peas, also a full line of all short crop seeds to offer the trade; provided you couple with your orders the other seed items you need.
Preliminary Wholesale List now ready.
S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK CITY and Orange, Conn.
Please mention the Exchange when writing.

SEVEN TOP
Seed Merchants whose supplies of
SEVEN TOP TURNIP
are under their requirements, are requested to ask for prices at the same time naming quantities they are short.
D. LANDRETH SEED CO., Bloomsdale Farms, Bristol, Pa.
Please mention the Exchange when writing.

CROP OF 1910
PANSY, DAISY, FORGET-ME-NOT, IMPROVED BIG BOSTON LETTUCE. For prices of Pansy Seed see The Florists' Exchange of June 18, page 1098.
BEAULIEU, WOODHAVEN, N. Y.
Please mention the Exchange when writing.

Fireball Salvia Seed
Ounce, $1.50; Trial Packet, 25 cents
ALBERT NIRK
EAST NUTLEY, N. J.
Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS
NEW CROP—GREENHOUSE GROWN
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50
SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.
Our Flower Seed Catlog free on application
The Moore Seed Co., 339 Market St. PHILADELPHIA, PA
Please mention the Exchange when writing.

Thorburn's Bulbs
VALLEY PIPS
Our usual highest grade at reduced prices for Present Delivery.
In case of 1000 pips at $9.00 per 1000.
In case of 3000 pips at $8.00 per 1000.
J. M. Thorburn & Co., Seedsmen 33 Barclay St., N.Y.
Please mention the Exchange when writing.

Mr. Boddington is making a business trip through Massachusetts. Seed packaging is going on apace, and it will not be long now before this house will be ready for the season so soon to open.

Early in January the executive committee of the National Sweet Pea Society of America will hold its annual meeting at Hotel Astor. President W. Atlee Burpee will preside.

M. B. Faxon, of the Florists' Exchange, and Mrs. Faxon, spent the Christmas double holiday in Boston, Mass.

Peter Henderson & Co. did, as usual, a most excellent holiday trade in flowering plants; and most certainly did their display deserve such a result.

Holly, and quite a few items in the line of decorative greens, with some dealers were in goodly surpluses at the end. This can be said to also apply in some measure to Christmas trees, caused, no doubt, by the severe storm of last Saturday, which could not but have greatly curtailed the Christmas sales of everything.

Wm. Elliott & Sons are much pleased with the business accomplished in decorative greens, Immortelles and other holiday goods which, as usual, they offered extensively.

Vaughan's Seed Store found quite a sale for Fern balls, of which they have a large importation this season. Small Ferns for jardinières and table decorations also were leaders. Altogether, a most satisfactory output of decorative greens and other holiday stocks was made.

In summing up, it may be said that the real results of the Christmas trade with our seedsmen have been just about the average of past seasons in this line.

Philadelphia Seed Trade

On Tuesday, December 27, at 11 a. m., J. W. Gregg, of the Pennsylvania State College, delivered a lecture on "Market Gardening," before a large audience of ladies and gentlemen, at the new store of the Henry F. Michell Co., 518 Market st. The speaker treated his subject under four heads: Improvement of soil; selecting of seeds; marketing; insects and diseases. Under the first topic the use of green crops for plowing under, barnyard manure, chemical fertilizers, and thorough preparation of soil were discussed; under the second the breeding of seeds, and the use of good, pure, honest seeds, even at a high price; under the third, quality grading, and packing of products; and under the fourth topic, the insect and disease resisting power of healthy plants, which reduced spraying to a minimum. Some of the salient points in the speaker's lecture were: Buy reliable seeds rather than try to raise them; there is often, as has been ascertained by experiment, more difference between the vegetables produced from poor seeds supposedly of one variety, than between varieties themselves; the difference in results between the use of poor and good seeds on one acre often has amounted to $175 to $200; high percentage of germination is not the only point to be considered in seeds, but trueness to type, and productiveness; raise the vegetables which the buyer in your market wants, not necessarily what you like to raise; cultivate not to destroy weeds only, but to conserve moisture and plant food; mechanical condition of soil and culture count 75 per cent., and spraying 25 per cent.; garden intensively rather than extensively; fertilize heavily. Prof. Gregg spoke fluently and convincingly, and covered his subject so well that few questions were necessary. The next lecture will be on January 24, by Mr. Tabor of Philadelphia, on "Spraying." Maurice Fuld, of the Michell Co., spent the Christmas holiday in New York City, with friends.

The Johnson Seed Co. is filling orders for Asparagus and Rhubarb for forcing from splendid stock grown for this company by a specialist. On Monday morning, December 19, a police officer reported that the Johnson store had been burglarized, probably on the preceding Saturday night, as the discovery was made on Sunday. The elevator door on the American st. side of the store was forced upwards, and some $200 to $300 worth of Beans brought down from the third loft and carried away. Detectives are now working on the case. This is said to be the first time a seed store in this city has been burglarized.

The Robert Buist Co., 4-6 So. Front st., is now making very heavy shipments of seeds to seedsmen in the South.

Walter P. Stokes, of Stokes' Seed Store, reports Southern orders already coming in, as the result of sending out his 1911 catalog. His new stock of flower seeds from abroad is now arriving. Plant sales for Christmas at his Moorestown, N. J., greenhouses were larger than usual, and the cut of Lily of the Valley now going into market from his forcing house is the best which he has ever shipped.

The Moore Seed Co. is expecting soon its Begonia and Gloxinia bulbs from abroad, and reports that European seeds are arriving late.

J. Otto Thilow, secretary of Henry A. Dreer, Inc., reports that the fires have been started in the heating plant of the new greenhouse range of 100,000 ft. of glass, at Riverside, N. J., and that on Tuesday of this week he selected, at Riverside, the plot of land for the experiments of 1911. On this same day George Parsons, of Dreer's, was in New York attending to shipping abroad the Carolina grown Tuberoses of this company. Charles H. MacKubbin is on the sick list, and George A. Strohlein is convalescing.

AMOY, China, exports about 3,000,000 Lily bulbs annually to our Pacific Coast ports.

Injurious Effects of Free Seed Distribution

The head of a well known seed house wrote us recently to the effect that this season, as in the past, they have had numerous advices from their merchant customers in various parts of the country to cut in half their orders for seed, for the reason, as expressed by them, that their trade was being cut in half by the Government free-seed distribution among their local customers.

The seedsmen of this country are comparatively few, but this is their fight, and if they would now take the matter up with snap and vim they would find the majority of the influential press of the country with them. It's a good opportunity to place a Democratic Congress on record.

DELAWARE, O.—The building in which are the quarters of the Zach Davis Seed Co. was gutted by fire on December 18.

SHENANDOAH, IA.—The Shenandoah Seed Co. has incorporated, with a capital of $10,000. Henry Field and H. E. Eaton are incorporators.

DALLAS, TEX.—The Texas Seed and Floral Co. has bids in for the construction of a three-story building, with basement, to cost $50,000, on Pacific ave.

Springfield, Ill.

Springfield differs from her sister city in Ohio of the same name in that while some fine retail establishments meet the wants of the local flower buyer in the Ohio city, her principal trade is out of town, while the many fine retail establishments in the Illinois capital city show evidence of the flower buying proclivity of her residents. But, like other cities, she has distinct features of her own trade, one of which is that for house plants the demand for Ferns predominates, and Palms seem to have been consigned to a back seat, so to speak, there being very little call for them except at social functions, etc., and then they are simply hired for the occasion. Growers here report a fine cut for the holidays, particularly in Roses, and some very fine Poinsettias have also been noted.

A. C. Brown reports a good cut of Richmond, Killarney and American Beauty Roses for the holidays, but that a large funeral design business through December has kept Carnations rather scarce. Mr. Brown takes great pride in his new Carnation Optimo, which is very popular here.

Hansen, formerly with A. C. Brown, has started in business for himself and is doing nicely.

Geo. Van Horn is handling a large lot of medium-sized Scottii and Boston Ferns.

A. C. Canfield reports a good holiday crop.

Miss Bell Miller enjoyed a fine Christmas trade. J. M.

Representative Seedsmen

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

LILIUM LONGIFLORUM GIGANTEUM
Mammoth Bulbs, 9 to 10 inches in circumference $9.00 per 100.
SPIRAEA Gladstone $9.00 per 100
Superba Compacta $6.00 per 100
WEEBER & DON SEED MERCHANTS AND GROWERS
114 Chambers Street, New York City, N. Y.

KENNEDY & HUNTER
Seedsmen and Florists
156 West 34th St. NEW YORK
Between the New Pennsylvania Station and Herald Square
Respectfully solicit your patronage

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds
CAULIFLOWER SEED
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK
Please mention the Exchange when writing.

CHOICE GERMAN FLOWER SEEDS
Catalogue Free on Application
FREDRICK ROEMER
Seed Grower
Quedlinburg, Germany

Lily of the Valley
Early Forcing. $9.00 per 1000. Finest Quality. 2500 case $20.00
DIELYTRA SPECTABILIS, large clumps, $5.00 per 100.
NEW CROP
Mammoth Verbena Seed
Blue, Pink, Purple, Scarlet, Striped White and Mixed, each, ¼ ounce 30 cents, ounce $1.00.
Fresh Tobacco Stems
Bale of 300 lbs. $1.75, ton $9.00.
W. C. BECKERT
103 Federal Street
PITTSBURGH, PA., (North Side)
Please mention the Exchange when writing.

Seasonable Seeds
Cauliflower, Cabbage, Lettuce
Onion, Tomato.
Calceolaria, Cineraria, Cyclamen, Primula, Vinca, Begonia, Salvia, Mignonette.
Write for our 1911 Spring Catalogue.
BURNETT BROS.,
SEEDSMEN
72 Cortlandt St., New York City
Telephone 2223 Cortlandt
Please mention the Exchange when writing.



The Man-who knows-always Sows MICHELL'S "DISTINCTIVE" SEEDS

VERBENA
MICHELL'S MAMMOTH FANCY

	Trade Pkt.	Oz.
Blue, Pink, Scarlet, Striped and White	$0.30	$1.25
Mixed Colors	.25	.75

VINCA ROSEA

	Trade Pkt.	Oz.
Alba, white, rose eye	$0.15	$0.50
Alba Pura, pure white	.15	.50
Rosea, pink	.15	.50
Mixed	.15	.40

SALVIA

	½ Tr. Pkt.	Tr. Pkt.	Oz.
Splendens		$0.25	$1.25
Bonfire	$0.25	.40	2.25
Zurich	.30	.50	4.00

LOBELIA

	Trade Pkt.	Oz.
Crystal Palace Compacta	$0.30	$1.00
Crystal Palace Speciosa, trailing	.20	.50
Barnard's Perpetual	.25	1.00

STOCKS
MICHELL'S FLOWER MARKET
Pure White, Flesh Pink, Rose Pink, Light Blue, Dark Blue, Blood Red, Mixed Colors, Tr. pkt. 50c. ¼ oz., $1.00, oz., $3.50.

PETUNIA

	½ Tr Pkt.	Tr. Pkt.
Single California Giants	$0.30	$0.50
Single Ruffled Giants	.30	.50
Double Hybridized and Fringed, 500 seeds, 75c., 1,000 seeds, $1.50.		

WRITE TODAY FOR OUR 1911 WHOLESALE CATALOGUE; IT'S FREE

HENRY F. MICHELL CO., 518 MARKET STREET PHILADELPHIA, PA.

Please mention the Exchange when writing.

Gorgeous Iris

FOR FALL PLANTING

GERMAN	Per 1000
HONORABLE. Intense yellow, falls a beautiful bronze	$10.00
FRAGRANCE. White edged with blue; falls white with blue penciling	25.00
MADAM CHEREAU. Pure white edged with azure blue; falls deep white with blue penciling.	25.00
PARKMANI. Uprights pure lemon; falls white veined purple.	25.00
QUEEN OF THE GYPSIES. Dusky light bronze; falls purplish red.	25.00
All colors mixed	15.00

JAPAN OR KAEMPFERI

Double	
GOLD BOUND. Pure white, one of the best	50.00
MAHOGANY. Dark red, shaded maroon	50.00
ORIOLE. Somewhat similar to Crimson Tuft, but an improvement	50.00
PYRAMID. Lilac blue, veined white center each petal.	50.00
SPOTTED BEAUTY. Large size; wavy, double, silky white, freely and finely spotted with violet-crimson.	50.00
Single	
APOLLO. Pure white, pink center	50.00
H. VON SIEBOLD. Reddish, veined white, yellow center.	50.00
LAVENDER QUEEN. Fine lavender	50.00
TOLEDO. White, light purple center	50.00

PÆONIES

Mixed Varieties, Strong Divisions, per 100. $5.00

8 per cent. discount for cash.

John Lewis Childs
Floral Park, L. I., N. Y.

Please mention the Exchange when writing.

Cost is measured by the results obtained and in no other way

CANNAS One Million Sound, Plump Roots, 2 to 3 eyes, and true to name; over 100 leading kinds, $7.00 per 1000 and upwards. CANNA SEED, 1910 Crop, All Kinds Mixed, $1.00 per lb. Also DAHLIAS, GLADIOLUS, IRIS, ETC. SHELLROAD GREENHOUSES, Grange BALTIMORE, MD.

Please mention the Exchange when writing.

Pittsburgh

Taking all things into consideration, Christmas trade was fairly satisfactory. The weather on Saturday was ideal, dry and cold, and ever since has been nice, something unusual, as we had had it cloudy and cold for the past month. Stock seemed plentiful, excepting Carnations; here the supply was short and prices held up better than any other stock, from 8c. to 10c. was demanded, retailing from $1.50 per doz. up. The quality was about fair; a little old stock is always to be expected at holiday time. Roses were plentiful, inferior grades were low in price, selling from 6c. up, while good ones commanded from 15c. up. Am. Beauty from $9 per doz. up for fairly good stock. Violets were also rather abundant and low in price, from $10 per 1000 up, selling at $1.50 per bunch of 50 in the stores, while in the market stands they were offered in some cases at 50c. the bunch. Poinsettias, cut sprays, were not in the same demand as usual, and were hard to sell, although the stock was fine; the stores usually ask from $5 to $9 per dozen bracts, but they sold as low as 25c. in the market for large, fine stock. In bulbous stock, Paperwhite Narcissus was the main flower and plentiful, selling at retail from 50c. per doz. up. Lilies were in good supply at $3 per doz. Sweet Peas were little called for. Yellow Daisies were rather too high priced to find ready sale.

Plants sold readily, although the weather was cold, and it required considerable care for safe delivery. Lorraine Begonias did not go as well as was expected; many of the plants were in poor shape. Poinsettias in pans sold very well at good prices, particularly the low, bushy plants. Cyclamen went slow. Primulas were not in bloom enough to find ready sale. Tulips in pots with small Ferns were the best sellers at from $1 to $2 per pan. Crotons and Dracenas went slow.

The supply of Christmas greens was too abundant, and prices went to smash the last day, with stock left over. The green business is now almost entirely in the hands of the produce dealers in the railroad yards, and they quote as low, even at times lower prices, than the regular trade people; hereafter very few of the florists will order their goods in advance for they can depend upon a home supply. Everything was handled in the yards; trees, Holly, Laurel and Pine wreathing, moss, wreaths, etc. There are entirely too many people selling greens at Christmas, and it hardly pays the florist to handle them, for he cannot get the price due him. Holly was of good quality, in general; sheet moss was exceptionally fine; Pine wreathing not as good as usual; Mistletoe sold fairly well, the stock was not too abundant.

There was nothing new in the way of novelties this year, the stock being about the same as usual at holidays. The fluctuation of prices in the cut flower trade was something unusual, in some instances flowers were sold at retail below the lowest wholesale quotation, but this I noticed only in the market houses, and good stock at that. Some of our small growers sell regularly at retail for the same price they ask of the florist at wholesale; that is, for stock that they grow themselves, and in the markets the only way the regular florist can protect himself is to buy out the grower's stock, which is frequently done.

In several instances stock of cut flowers did not arrive in time for Christmas trade; some shipments came in as late as 6 o'clock Saturday, which should have arrived by noon Friday, and the florist left it in the hands of the express companies.

E. C. REINEMAN.

Detroit

Another Christmas has passed, and most of us are still indisposed from the heavy strain; this is not unexpected, but nevertheless sudden increase, of demand on all our faculties has caused it.

Locally, we hear of a generous increase in the volume of business done. Prices, of course, were considerably higher than a year ago, because of the extreme scarcity of stock, but the real increase in the volume of business was brought about by the more liberal call for Roses of a higher grade. Long Killarney and Liberty at $10 per doz. were cleaned up quickly, and American Beauty at $15 to $20 per doz. sold much more readily than a year ago.

Lower grades of Roses at $3 to $6 per doz. sold remarkably well, but Carnations at $3 per doz. were somewhat slow and many buyers seemed to prefer Roses at $4 to Carnations at $3.

Violets at $4 to $5 per 100 moved better this year than last, when they sold at $3 to $4.

Boxwood and Statice wreaths were in heavy demand. The latter, with Christmas bells, sold readily for window decorations. One firm's novel feature was using a well made Christmas bell instead of ribbon in Holly wreaths, and it was much appreciated, and many of such wreaths sold for $1 to $2. Poinsettias were the natural favorite, selling well as pot plants and as cut flowers, bringing from $5 to $9 per doz.

The red basket seems to have had the preference this year, and the florist who dug out his old pot covers and painted them red had a chance to dispose of many an old hangeron. Azaleas sold well, one firm reported early in the game as being overstocked with them not only cleaned up a stock of over 400 plants, but bought some more. Fancy Fern dishes in porcelain patterns were well patronized; the cheaper class of gilded woodenware dragged very much, while decorated gold wicker vases were easily sold. Smaller baskets with Heather and Poinsettias were much seen, and large red baskets planted with white Lilac, variegated Azaleas, Crotons, and Ferns sold readily.

All around, Santa Claus was very good to the local florist, and the future would be very bright indeed if the supply would be more liberal.

FRANK DANZER.

PANSIES

THE JENNINGS STRAIN IS up to date and will give satisfaction in every respect. Fine plants for cold frames $3.00 per 1000. Large plants for Winter blooming, later, $1.00 per 100. Seed $1.00 pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Please mention the Exchange when writing.

St. Paul, Minn.

The volume of business this Christmas was larger by 10 per cent. than ever before. Each year finds an increased call for Christmas plants, and this year was no exception to the rule. As usual, Poinsettias in pans were the most popular. Azaleas and Cyclamen were also in favor. Berried plants sold well. Peppers and Cherries also sold well. Baskets of plants were eagerly snapped up by the best buyers selling readily at $3 to $10 each; Poinsettias, berried plants and Ferns were used in these baskets, which were generally furnished with a bow of red tulle.

In greens there was a good sale in everything. Lycopodium was scarce, and this created a demand for Wild Smilax, which sold as never before. Holly was exceptionally good this year and was in big demand. In place of Michigan red berries, some California Holly found its way to this market, and was in high favor with the buyers. Fancy wreaths made of Ruscus, trimmed with artificial Ferns or Poinsettias, were quick sellers. Hemlock wreaths trimmed with Pine cones and needles were also in demand. Some California growers were noted in

the market, and were both useful and decorative.

In cut flowers, as in plants, Poinsettias were in great favor, retailing at $6 to $9 per doz. American Beauty Roses sold readily at $15 to $20 per doz. Good Richmonds went at $6, fancy Killarneys at $5 to $6 white at $3 and $4. Violets did not seem to sell as well as in former years.

The temperature fell to 10 degrees below zero on Friday night, and some losses from freezing occurred. The first snow storm of the season came on Saturday, adding life and zest to the occasion and putting finishing touches to the best Christmas trade ever known here.

X. Y. Z.

CLUBS and SOCIETIES

Nebraska State Hort. Society

The forty-second annual meeting of this organization is to be held at the University Farm, Lincoln, Neb., Jan. 17 to 19, 1911. Tuesday especially the meeting will be one of considerable interest to growers and retailers, as such subjects as the following will be under discussion: Arranging Fruits and Cut Flowers, Chrysanthemums, the Retail Florist, Advertising Bulbs, Prospects for Wholesaling in Nebraska, etc. The meeting on that day will be given over to the State Florists' Society, with President Irwin Frey in the chair.

Elberon (N. J.) Hort. Society

A regular meeting of the Elberon Horticultural Society was held in Fireman's Hall, Elberon, on December 19. In the absence of Pres. Jas. Kennedy, Vice-President C. O. Duncan filled the chair. The regular annual report of the treasurer was read, which showed quite an increase over the previous year. The following points were awarded: To A. Bauer, for Cattleya Percivaliana, 75; D. C. Kelly, for Carnation Enchantress, 80. It was decided that the Society should hold a euchre and dance on or about January 25.

WM. R. SEYMOUR.

Rhode Island Horticultural Society

The regular monthly meeting was held in The Providence Public Library, Friday evening. A resolution was passed, similar to one adopted by the State Grange, looking toward securing a common hall for exhibitions of agricultural products by the different societies of the State of Rhode Island. A committee was appointed to confer with the president of the State Grange in an effort to combine with that body in the use of a hall for the regular meetings of the Horticultural Society.

Chas. W. Smith, who has been secretary of the Society for 21 years, announced that he would not accept the position for another term, and a committee was appointed, consisting of M. M. Burdick, H. M. Angell and C. W. Bayer, to report on candidates for annual election at the next meeting.

Miss Louisa M. Muller, assistant secretary, was presented with a silk umbrella in appreciation of her services. At the close of the business session, Prof. A. E. Stene addressed the Society on Apple Growing in the Pacific Northwest.

H. C. N.

Massachusetts Horticultural Society

The Society is planning a busy year for 1911. There is going to be one of the largest vegetable shows that has ever been held in this part of the country Sept. 22 to 24. Some excellent prizes are to be offered and we hope there will be keen competition. There will be classes for market gardeners, also for private gardeners, and many open to all comers. The large Spring show is going to be omitted this year so as not to conflict with the S. A. F. National Flower Show. There will be eleven exhibits in all and a large Chrysanthemum show is also scheduled.

The following are the chairmen of the standing committees appointed for the year 1911: Finance Committee, Walter Hunnewell; Prizes and Exhibitions, John A. Pettigrew; Plants and Flowers, T. D. Hatfield; Fruits, Edward B. Wilder; Vegetables, Duncan Finlayson; Gardens, Charles W. Parker; Library Committee, Charles S. Sargent; Lectures and Publications, C. W. Hoitt; Children's Gardens, Mrs. Robert G. Shaw.

The list of lectures for the coming Winter course has just been issued and there is an important change in the time of meeting. The usual hour was 11 a.m.; it has been changed to 2 p.m., the object being to increase the attendance, the later hour being more convenient to most people.

The list of lectures this year is an interesting one and the lecturers are all men thoroughly versed in the subjects they have been asked to talk about.

The schedule for 1911 will be published in a few days, just as soon as the market gardeners decide on their prizes.

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

ASTERS

BODDINGTON'S Asters are Famous.
Write for catalogue of other varieties and prices.

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00

Carlson's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.35	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

Vick's New Early Branching

Flowers two weeks earlier than the Late Branching.

	Trade pkt.	¼ oz.	Oz.
Rose	$0.25	$0.75	$2.00
White	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.
Boddington's Extra-Early

	Trade pkt.	Oz.
Pink	$0.20	$0.60
Light Blue	.20	.60
White	.20	.60
Dark Blue	.20	.60
Crimson	.20	.60
Rose	.20	.60
Flesh-Color	.20	.60
Light Rose	.20	.60
Scarlet	.20	.60
Red-Lilac	.20	.60
Finest Mixed	.20	.60

EARLY WONDER.

	Trade pkt.	¼ oz.	Oz.
White	$0.25	$0.75	$2.00
Pink	.25	.75	2.00

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet, (the old variety)	.10	.15	.50

BODDINGTON'S GIANT ANTIRRHINUM

	Trade pkt.	Oz.
Coral-Red. Striking color	$0.20	$0.60
Carmine. Splendid color	.20	.60
Daybreak. Light pink	.20	.60
Brilliant. Scarlet, golden yellow and white	.20	.60
Crescia. Dark acarlet	.20	.60
Queen Victoria. Pure white..	.25	1.00
Luteum. Yellow	.20	.60
Firefly. Scarlet	.20	.60
Romeo. Deep rose	.20	.60
Lilacinum. Beautiful lilac..	.20	.60
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii. Carmine	.25
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage...	.25

CANDYTUFT

	Trade pkt.	Oz.
Boddington's Giant Hyacinth-Flowered. Large pure white spiral spikes. The finest variety for growing under glass	$0.35	$2.00
Empress. Pure white pyramidal	¼ lb., 60c.	.10 .20
White Rocket. Large trusses	" 20c.	.05 .10

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.00
Gymnocarpa	.15	.35

CINERARIA

Cineraria maritima. 1½ ft. Trade pkt. 10c., oz. 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

COLEUS

BODDINGTON'S RAINBOW HYBRIDS.

Specially saved from the choicest and newest varieties.

100 Seeds $0.25

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.60

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue	$0.10	$0.30
Alba. White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis. Trailing; light blue	$0.15	$0.40
Erinus speciosa. Deep blue; trailing	.15	.50
Crystal Palace compacta	.30	1.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$0.50
Palustris Semperflorens, everblooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt. 60c., trade pkt $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.26
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum. (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.	¼ lb.
(True Irish). Small-leaved. ½ trade pkt. 25c.	$0.40	$1.00	$3.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Splendens, Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering ¼ oz. $2	.50	
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flowers	.25	2.50
Splendens Carminea (new) Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in.	.50	
Splendens, Zurich. Exceedingly dwarf and free flowering. ¼ oz. $1.50	.50	5.00

VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

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Rosea. Rose	.15	.50
Rosea alba. Rose and white	.15	.50
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Fine, well-rooted, well-graded, two year plants. None better.

	100	1000
12 to 18 inch, branched	$1.25	$8.00
18 to 24 inch, 3 or more branches	1.50	10.00
2 to 3 ft. 4 or more branches, fine plants	2.00	15.00
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Strong, selected plants only. Strong branches counted in grading. All well packed, free of charge. Especially low rates given on carload lots.

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Strong Bushy Plants

From 4-in. pots - - $12.00 per 100
Rooted Cuttings - 10.00 " 1000

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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5-inch pots, 4 to 5 tiers, 16 to 18 inches high, 60 cents each; $6.00 per dozen.

6-inch pots, 4 to 5 tiers, with more spread 18 to 20-inches high, 75 cents each; $7.50 per dozen.

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BOXWOOD, 18 inch, $35.00 per 100.

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VERY LARGE TREES

In Pines, Spruces, Hemlock, Retinisporas, Arbor Vitae, Colorado Blues, etc.

Also in Catalpas, Birches, Planes, Poplars, etc. Evergreens are dug with balls. Very large Privet.

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AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. 26th Annual Convention at St. Louis, Mo., 1911.

Taxus Canadensis

Taxus Canadensis is known as the American Yew, a name given it years ago when, as the Pacific Coast species (T. brevifolia), it was hardly known, Canadensis was thought the only species native to the country; it still can be claimed for it, however, that it is the only American one hardy in the northern States. It is a native of Pennsylvania and adjacent States and, though known in cultivation for over one hundred years, it is still most uncommon in collections both here and abroad. In some parts of Europe it is not procurable, even in large nurseries, while in other nurseries it is confounded with some of the varieties of the English Yew; at least, what is sent here from there implies that the senders do not know the difference.

As our photograph shows, the true Taxus Canadensis is a spreading grower and rarely rises more than two or three feet from the ground even when very old. This one is planted on a very steep slope, and is but about 18 in. high in any part of its growth.

For generations there was a monster plant on the Johnson property, a portion of the old battle ground of Germantown but, from some cause, it disappeared a few years ago. At a guess it had a spread of 30 ft. in diameter, and was about three ft., not more, in its highest part.

Some few years ago, a nurseryman in Europe who had heard of this famous Yew in Germantown, wrote here for cuttings of it, declaring that he could not get it true in his country, and asking for the cuttings for grafting purposes, but he was too late, the monstrous plant had disappeared.

Linaria Cymbalaria for Walls

Though a hardy plant in sheltered places in the southern end of Pennsylvania, and perhaps farther north than this locality, the Kenilworth Ivy, as the Linaria Cymbalaria is called, is rarely seen used as one. The writer has often seen specimens about Philadelphia growing on the outside walls of greenhouses, where they had escaped from plants inside the buildings; and elsewhere on old walls it is sometimes met with. Along the Wissahickon Drive, Philadelphia, a portion of Fairmount Park, a portion of an old wall of a mill still standing is well covered with this little creeping plant, and it charms all lovers of flowers who see it, and interests all, whether plant lovers or not, for in addition to its neat, pretty leaves, it is in flower practically all the Summer through, the flowers being of a pale blue color. Because of its rooting from its shoots as they touch ground, it soon increases itself, a single plant set in the crevice of a stone wall, where the absence of mortar permits a little soil to gather, soon making more of itself, if further space can be found for the stems to root in.

Years ago, when the old style hanging baskets were more popular than they are today, this Linaria was in the collection of all florists who sold plants, a Kenilworth Ivy being required in every basket, and often many of them. But it is to its usefulness as a hardy plant we wish to direct attention at this time.

Sowing Seeds of Forest Trees

Nurserymen, everywhere, are awakening to the increased call for seedling stock, both for ornamental planting and for timber culture needs. The sowing of seeds requires a good deal of knowledge. So many fail of success, even when seeds are perfectly good, from some error in sowing, the chief being the sowing at a wrong season. Anyone who expects to go into the raising of seedlings should make trial tests of sowing in order to fully understand how to achieve success.

As a rule, evergreen seeds do not require to be sown as soon as ripe in Autumn, but may be kept dry in a cool place until Spring and then be sown. It is very different with seeds of deciduous trees. The rule with these is to sow them in Autumn, and it is best to sow them then, although there are several kinds which may be kept dry and sown in Spring, and they will grow very well then. When from failure to procure the seeds early enough to permit of their being sown in Autumn, as often happens, the seeds should be kept moist, mixed with damp soil, in a cool place, until Spring, and then be sown outdoors. When wrongly treated in some way, seeds may fail to grow and yet be quite good. Take Ash seeds for example, seeds kept dry all Winter and sown in Spring, they will not come up at once, but will remain dormant a whole season, every seed that was good sprouting then. Without doubt, Maples, Lindens and many other seeds would behave in the same way. There seems to be no reason why Hickories and many other nuts would not do the same; but then, instead of sowing these seeds in beds to lie dormant a year, sow them in boxes to save space, deferring the sowing proper until the Autumn following.

So far as concerns what can be done at the present time, it is not possible to sow seeds outdoors in January, except in a few favored locations, but if those of a deciduous nature could be placed in damp sand now, to be sown in Spring, more than likely the success would be as good as if the sowing had been done in Autumn outdoors.

Seedsmen are often censured for poor seeds when the seeds are perfectly good. They have failed to grow because some of the conditions for germination have not been present.

Magnolias From Seed

A question frequently coming to this department is how to raise Magnolias from seed, inquiries sometimes being from nurserymen who say they have been unsuccessful in the attempt. If in possession of good ripe seeds there should be no trouble at all in getting them to grow. As soon as the seeds are ripe they should be placed in a box of damp sand for a week or two, to soften the pulp; when such softening is accomplished, the seeds should be washed clean and then replaced in the box, well mixed with fresh, clean, fine sand. This sand needs to be but just damp enough to keep the seeds fresh and prevent loss of weight. If but a small quantity of seeds is available and they are to be sown in a greenhouse, the sowing may be made in February; but if to be sown outdoors, the time to do it is as early as possible after the ground is in good condition. If seeds have been kept with pulp on, it would not be too late to place them in sand now, to soften the pulp, and to keep them until Spring, as directed.

When Magnolia seeds are well ripened and cared for properly, practically every seed will grow. They need covering with about a one-fourth inch of fine soil when sown, and if all goes well they will sprout in about four weeks.

Besides the species nurserymen usually keep, there is a growing demand for the evergreen one, M. grandiflora, both for outdoor growing where it will live outside and for greenhouse use everywhere; it is such an attractive evergreen when bushy specimens are seen in pots.

Magnolia glauca, known everywhere as the sweet scented one, is easily raised from seeds, sown in the way described, and no nurseryman ever had a sufficient number of plants for his trade. One and all Magnolias have handsome foliage, and in many ways the genus Magnolia is one of the most esteemed of our native trees.

Eriobotrya Japonica

The indiarubber plant, Ficus elastica, has a reputation of being one of the best plants for house growth and lawn decoration known, it has so many merits in this direction. Many Southern nurserymen, and florists of the South contend that the Eriobotrya Japonica is superior to it, withstanding dust, drought and other drawbacks better than the Ficus will; in addition, it gives flowers and edible fruit, making it more desirable in many ways. When collections of greenhouse plants were more common than they are today, this Eriobotrya was to be found in most all of them, and today it is not uncommon to see it in such places.

In the way of hardiness it surpasses the Ficus, for it has been known to pass the Winter successfully in eastern Pennsylvania, when in a protected place outdoors, a something the Rubber plant will not do. It does not always follow that a plant will endure no more cold than it meets with in its native home. There are too many cases known where they will do it to permit of a doubt. The Big Tree of California is one; it endures without harm much colder weather in Pennsylvania than it meets with in California; and similar cases are often met with. How much cold the Eriobotrya meets with in Japan is not known, but the trials here referred to prove that under some favorable conditions it will go through a drop to zero and come through unharmed. It is a good thing to see more interest displayed of late in testing such plants for hardiness.

In the South and in greenhouses here the Eriobotrya flowers in Winter, ripening its fruit in Spring. The flowers are white, the fruit round, yellow when ripe, like small Plums, which has caused it to be known as Japan Plum and Japan Medlar in the Southern markets, where it can be met with in season.

Such a handsome broad-leaved evergreen as this is should have its position in gardens much farther north than it is seen today.

Pecan Nuts in the North

The ever-increasing demand for foods of all kind incites many a one to set out nut trees, the call for nuts increasing every year as population increases, and forest trees becoming less in number. In the warmer States the Pecan nut has received much attention of late, many orchards of it having been set out, and the propagation of stock undertaken by some nurserymen on a large scale.

More than one writer has recommended the Pecan for Northern orchards, but this is not good advice. Nearly all Hickories grow in the North in a natural state as well as South; the Pecan is an exception. It is strictly a Southern species and as such does not thrive well North. As far south as New York City and vicinity seedlings of it are partly Winter killed for the first two or three years, becoming hardier as they get some age, but even in such localities their fruiting is not satisfactory. No tree does its best when growing at the limit of its hardiness.

A seedling Pecan must be about 15 years old before it bears nuts, but as grafted plants are recommended, grafted with improved kinds, the bearing of nuts might be looked for much sooner, following the rule that all grafted fruit trees do this. In the propagation of them, common seedling Pecans are used, an excellent stock for general use. It has been suggested that if grafted on the Bitter Nut, Carya amara, a species wild in the North, and which has been found an excellent stock for other Hickories, it would increase the hardiness of the Pecan, but this is open to doubt. It seems in no way agreed on that the hardiness of the stock over the cion will influence the growth of the tree in the way of increased hardiness.

It is more than likely that Northern nurserymen would find more trade in improved Shellbacks than in Pecans. There are some to be had of good sized nuts and thin shells, just what every buyer would want. An orchard of these would be profitable from the time the trees commenced to bear until they had found their way to the lumber yard, if ever cut down for the purpose.



Taxus Canadensis

That subscription to F. E. you have been thinking of taking out for a brother grower! Start it with the New Year.

J. Blaauw & Co. Boskoop Holland

OFFER

Picea Pungens Glauca Koster Compacta

Purest, Bluest Strain, "The Only Real Good Shaped Blue-Spruce in Existence," Clean Stock

Height	Diameter		Height	Diameter		Height	Diameter	
Plants, 15 in.	12-15 in.	$30 00 per 100	Plants, 3¼ ft.	2½ ft.	$2.50 each	Plants, 4 ft.	2¾ ft.	$3.50 each
" 2 ft.	1½ ft.	$1.00 each	" 3½ ft.	2½ ft.	3.00 "	" 4½ ft.	2¾ ft.	4.50 "

Catalogue free on application

Please mention the Exchange when writing.

DON'T FORGET

In the Christmas Rush, that you'll need stock later on! For example, there's your

MANETTI For Winter grafting. We offer English at $12.00 the thousand; French at $10.00. Both good; 3 to 5 millimetres, smooth, evenly graded, disbudded, well-rooted stocks, ***especially selected for Florists' grafting.***

LILY OF THE VALLEY Reimschneider's **EXPOSITION,** $14 00 the thousand (1700 to the case); **PERFECTION,** $12.00 the thousand (2000 to the case); **HOLSATIA,** for storage and later forcing, $11.00 the thousand (3000 to the case).

LILACS Imported, pot-grown, for cut-flowers, bushy, suitable for seven or eight inch pots, 50c. each; $5.00 the dozen. **CHARLES X** only.

HALF-STANDARD ROSES **BABY RAMBLER** and **MRS. CUTBUSH,** 50c. each; $5.00 the dozen. ***No better at any price.*** Full-Standard Baby Rambler, same.

BUSH ROSES Fine assortment leading H. P's, like Brunner, Charta, Druschki, etc. Also **HYBRID TEAS, RAMBLERS, DOROTHY PERKINS,** etc.

Write and make known your wants. We are GROWERS for the Trade and sell only to the Trade. Use printed stationery.

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SEASONABLE STOCK

KENTIA Belmoreana, 2½-in. pots, $8.00 per 100; 3-in. pots, $15.00 per 100; 4-in. pots, 12 to 15 in. high, $35.00 per 100; 5-in. pots, 15 to 18 in. high, $60.00 per 100.

NEPHROLEPIS Scholzeli, 2½-in. pots, $5.00 per 100; 5-in. pots, strong, $6.00 per dozen, $40.00 per 100.

ASPARAGUS SPRENGERI, strong 5-in. pot plants, 15c. each.

HELIOTROPE, Purple, in 5 good varieties, $3.00 per 100, $25.00 per 1000.

BOXWOOD, Bush Shape, for window-boxes or pot sale, very bright foliage and bushy, 10 to 12 inches high, $20.00 per 100; 12 to 15 inches high, $25.00 per 100. Full lines of sizes in both Pyramidal and Natural Bush Forms. Prices on application.

SPIRAEA, large forcing clumps, **Gladstone,** $9.00 per 100; **Florabunda,** $4.50 per 100; **Superba,** $6.00 per 100; **Blandin,** $6.00 per 100; **Washington,** $6.00 per 100; **Japonica,** at $4.00 per 100.

RHODODENDRONS, Fancy Forcing Varieties, 6 to 8 buds, at 60c.; 8 to 12 buds, at 75c.; 12 to 16 buds, at $1.00.

DRACÆNA INDIVISA, 2½ in. pot stock for growing on, at $3.00 per 100.

DAHLIAS, fine collection of field-grown clumps, (Special circular on application).

THE STORRS & HARRISON COMPANY, Painesville, Ohio

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Caldwell Nurseries, - Lowdham, Notts.

European Agents for

THE AMERICAN CARNATION

Please mention the Exchange when writing.

Hardiness of California Privet

The Winter of 1909-10 killed the California Privet hedges in this latitude—Central Ohio, Indiana and Illinois—in every case except in cities where buildings and conditions formed some protection. The plants, whether 1 year or 5 years planted, were killed too near the surface of the ground and a general feeling of dismay was rife. But as Spring opened, and plants began to show growth, the Privet hedges started from below the surface, and now present as fine an appearance as though nothing had happened. In fact, the hedges are more compact and beautiful for the cutting back necessitated by the injury from the previous Winter's cold.

Indiana. E.

Cincinnati

Holiday business was just about equal to that of last year. American Beauty Roses were the only stock with which we could fill all orders, and then only for the long stemmed grades; the shorter grades were scarce; 75c. was the limit as to price for the best grades. Carnations never were so scarce at Christmas, and $8 to $10 per 100 was realized for good stock, which sold readily. The last few days preceding the holiday found the retailer with his hands full, working day and night to get out his orders.

Cut flowers probably sold best, and the business was about equal to that of other years. The plants selling best were Azaleas, and Glory of Cincinnati Begonias; a few Ardisias were in the market, but outside of these very few plants were seen in this market, with the exception of Ferns.

Nearly all of the flowers sent out by the retailers were in boxes, few baskets, if any, being made up.

Hardesty & Co. report a very large business in American Beauty Roses. They were heavy buyers, as also were A. Sunderbruch's Sons. Baer did his usual amount of business. Charlie Jones, of Walnut Hills, always does a good business; handles only the very best stock. Will Murphy had the largest quantity of Carnations. Critchell was the Violet man. Gillett had the American Beauty Roses, McCullough had the Tea Roses. Peter Olisger had a large cut of the fine Brides, and pink and white Killarney Roses.

The finest single Violet, the writer has ever seen came from Grand Rapids, Mich.; the box contained about 1,100, which sold for $2 per 100, and we could have sold 50,000 if we could have gotten them.

Mrs. Tom Burnett, wife of Tom Burnett, an amateur florist, dropped dead while exchanging Christmas gifts on Sunday morning. E. G. GILLETT.

Catalogs Received

IOWA SEED CO., Des Moines, Ia.—Annual Catalog for 1911. The Vegetable and Seed section is very complete, Seed Corn forming a prominent portion thereof. Flower Seeds and Miscellaneous Plants complete the balance of this 150-page catalog.

MONTARIOSO NURSERY, Santa Barbara, Cal.—This is a Descriptive Price List of New Introductions by Dr. Franceschi, and other Desirable Plants, not included in a former Price List. The catalog contains names of many comparatively unknown and of some very valuable plants, the work of Dr. Franceschi as a hybridizer and also as an introducer of new plants for California and the U. S., being recognized by all leading plantsmen.

ELMER D. SMITH & CO., Adrian, Mich.—Chrysanthemums and Asters, 1911. As usual, this catalog contains the most descriptive list of Chrysanthemums coming to this desk and is expressive of the large number of varieties carried by the firm. Prominence is given to the Chrysanthemums for 1911 originating with the Elmer D. Smith Co. by means of large illustrations and more or less lengthy descriptions; then comes the exhibition collection section well illustrated, followed by the regular commercial and other sections. As well as being a catalog, we should classify this book as a ready reference to all Chrysanthemum varieties now on the market.

FREDERICK W. EBERLE, Albany, N. Y.—1911 Seed Annual. A handsome front cover shows sprays of Eberle's Mixture of Spencer Giant Orchid Flowered Sweet Peas; the back cover is a truly delightful vista of lawn, the result of the use of Eberle's Special Lawn Grass Seed, with Shrubs and Trees, Privet Hedge and Walks, and mansion in the distance; the color of ink used, a taking shade of green, unites the harmonies of letterpress and photographic representations most artistically. Within the covers the use of enameled paper, large distinct representations of flowers, vegetables, etc., and the use of clear, large type, distinguishes this as an exceptional catalog for the general planter and gardener.

BURNETT BROTHERS, New York.—Spring, 1911, Catalog of Seeds, Bulbs and Plants. With covers in four colors and enamel paper throughout the body of the work, thus providing all essentials needed by the printer to give finest typographical results, this catalog is attractive in its entirety. The front cover, in prevailing shades of pink, green and white, with red background, displaying a perfect type of Cactus Dahlia, is singularly pleasing and attractive without being loud; the back cover shows a mansion with large lawn in the foreground, planted with Burnett's Lawn Grass Seed. The inside pages are thoroughly illustrated and list all that is required by the planter, from Vegetable, Farm and Flower Seeds to Tools, Fertilizers and Sundries.

W. ATLEE BURPEE & CO., Philadelphia, Pa.—Burpee's Annual for 1911. The contents of this catalog are concisely expressed by the makers as containing "The Plain Truth about the Best Seeds that Grow." In all respects this catalog is fully up to its predecessors and marks the 35th year since the establishment of the business. Four color plates are given as follows: Watermelon Tom Watson, the "Finest Five" Stringless Dwarf Beans in Cultivation, Burpee's New Royal Race of Variegated-leaved Tall Nasturtiums, and a fine plate of "Six Superb Spencers" (Sweet Peas). This firm is noted for its Sweet Peas and its new varieties for 1911 have already been mentioned in these columns. The covers are neat and taking, the front one showing a design in colors of a spray of Burpee's King Edward Spencer Sweet Peas, natural size; the back cover illustrating Burpee's Earliest Catawba and Golden Bantam Sweet Corn, also in colors.

ISAAC HICKS & SONS, Westbury (L. I.), N. Y.—Winter Evergreen moving. Its a genuine treat to have a book of this character come to the desk, for its illustrations are not only of the best and clearest (in fact, the pictures almost fill the book) but it draws in a most forcible way our attention to the wonderful progress made in the past few years in one branch of the trade—a development unrealized by the majority, therefore unappreciated as to its possibilities—Tree Moving, at all seasons of the year. For the boldness of their conception and their liberality in expressing in so handsome and expensive a form the advantages accruing from the right handling and grouping of trees to serve any definite purpose desired the firm of Isaac Hicks & Son deserve an unstinted patronage—and this we feel assured they will obtain.

Two Splendid New Roses

WITH the introduction of every new rose the questions arise in every grower's mind: Shall I buy? Will this rose be a success? Will it supersede any of the roses now grown? Is it an improvement over what we now have?

After critically examining the rose from all sides, as a commercial flower, color, fragance, form, size, stem and foliage; then as to its growing habits—whether a free bloomer, whether a good, strong, healthy grower, whether a Winter bloomer or simply a Fall and Spring rose—and being satisfied on these points and feeling thoroughly convinced that it is a better rose than existing kinds, it is not hard to determine the quantity to buy; the size of each grower's place will decide that.

All of the foregoing points we claim for Melody and Double Killarney and feel no grower can afford to be without these two splendid introductions; roses that are bound to be money-makers to all buyers, especially the first year buyers.

Melody, The New Irish Rose, will fill a long-felt want for a good commercial yellow, one of the most beautiful yellows ever put on the market.

With its rich, glossy green, red-tinged foliage and its beautiful, well-formed yellow bud, it has met with wonderful success wherever we have sold the cut blooms during the past three months.

Melody, own root, $6.00 per dozen, $30.00 per 100, $70.00 per 250, $250.00 per 1000. 2½-inch pots, delivery during March. Orders filled strictly in rotation. Orders for cut blooms in quantity on short notice, $10.00, $12.00 and $15.00 per 100.



DOUBLE KILLARNEY

Killarney needs no introduction to the rose growers of this country.

Double Killarney has all its good points and in addition is a stronger grower, has far more petals and larger flowers.

Double Killarney, own root, $4.00 per dozen $20.00 per 100, $40.00 per 250, $150.00 per 1000. For grafted, $10.00 extra per hundred.



MELODY

P M QUALITY

2½-inch pots, delivery during March. Orders filled strictly in rotation.

Orders on both these roses are and have been coming in far ahead of our expectations, including some of the largest orders ever booked on new roses.

Our advice is that every one get their orders in early, as they will be filled strictly in rotation by the introducers:— Robert Scott & Son. Write for our Illustrated List containing the introducers' descriptions.

E. G. Hill's Introduction, Rose Queen, we believe, has a wonderful future; something very distinct, entirely different from any rose now on the market.

We are booking orders for March delivery, 50 cents each, $35 per 100 (25 at 100 rate), $300 per 1000; $5 per 100 additional for Grafts.

Mrs. Aaron Ward, $12.00 per 100, $100.00 per 1000, own root January delivery. $25.00 per 100 for strong Grafts in March.

P M QUALITY

S.S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA 1608-20 Ludlow St. NEW YORK 109 West 28th St. WASHINGTON 1212 New York Ave.

NEW CARNATION
Mrs. Clarence Mackay
SEEDLING

Bright pink, no other on the market like it **for color.** Most prolific Carnation ever grown. Has all **good points.** Can be seen at our Nursery. January delivery.

$8.00 per 100 $60.00 per 1000

R. P. JEFFREY & SON
BELLMORE (L. I.), NEW YORK

Please mention the Exchange when writing.

NEW CARNATION
"Princess Charming"
A DECIDED IMPROVEMENT ON ENCHANTRESS

$12.00 per 100, $100.00 per 1000
250 at 1000 rate.
Descriptive Lists, in color, free on request.

"Christmas Cheer"
The Scarlet Pot-Carnation
$15.00 per 100, $125.00 per 1000.
February and March Delivery.

Washington, The Lawson-Colored Sport of Enchantress, $10.00 per 100, $75.00 per 1000

White House, The Prince of Whites $12.00 per 100, $100 00. per 1000.

H. EICHHOLZ
Florist WAYNESBORO, PA.

Please mention the Exchange when writing.

CARNATIONS
ROOTED CUTTINGS

We supply them of even size and well rooted.

Orders booked now for December and January Delivery and later.

	Per 100	Per 1000
White Wonder (Our New White)	$12.00	$100.00
Gloriosa (Our New Pink)	12.00	100.00
Pink Delight	6.00	50.00
Scarlet Glow	6.00	50.00
Shasta	6.00	50.00
Sangamo	6.00	50.00
Dorothy Gordon	6.00	50.00
J. W. Riley	6.00	50.00
Admiration	6.00	50.00
Golden Ray	6.00	50.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Enchantress	3.00	25.00
White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Beacon	3.00	25.00

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATIONS

100,000 rooted cuttings, strong, healthy, guaranteed.

Pink Delight, Dorothy Gordon, Apple Blossom, Wanoka, $6.00 per 100; $50.00 per 1000.

Cash or C. O. D. from unknown parties.

Order now for early delivery.

By the way, have you ordered

RAINBOW

the coming Carnation? Awarded A. C. S. Certificate at Pittsburg. Orders booked now for January, 1912, delivery. $12.00 per 100; $100.00 per 1000.

Wanoka Greenhouses, BARNEVELD, N. Y.

Please mention the Exchange when writing.

SHASTA

For best results plant our White Carnation Shasta. It is undoubtedly the Freest Carnation on the market today.

Strong, well-rooted, cuttings ready for January.

$6.00 per 100 $50.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Unrooted Carnation Cuttings

Can ship at once, carefully selected Cuttings, at the following prices:

	1000
Dorothy Gordon	$30.00
Shasta	30.00
Scarlet Glow	30.00
Sangamo	30.00
May Day	15.00
Beacon	10.00
White Enchantress	10.00

100 at the 1000 rate.

SEA CLIFF NURSERIES
SEA CLIFF, N. Y.

Please mention the Exchange when writing.

100,000 Rooted and Unrooted Carnation Cuttings

Varieties as follow, will be ready for delivery January 15th: Enchantress, Winsor, Lawson, White Lawson, Bountiful and Winona

ALL OTHER VARIETIES SOLD

THE WORCESTER CONSERVATORIES, Worcester, Mass

Please mention the Exchange when writing.

Carnations

Get your orders placed early for these top notch varieties. Cuttings will be ready any time after December 15. Dorothy Gordon, Mrs. C. W. Ward, Pink Delight, Sangamo, $6.00 per 100, $50.00 per 1000, $50 at 1000 rate.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Please mention the Exchange when writing.

A GRAND NEW CARNATION
BRIGHT SPOT
Outclasses everything heretofore grown in the Dark Pink Section.

Won First Honors in the 100 class for best dark pink at the A. C. S. meeting, Pittsburg, January, 1910, also at the Chicago Flower Show, November, 1909.

It is a pure, bright, dark pink of even shade, size 3½ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100 . . $12.00 Price per 1000 . . $100.00
25 at 100 rate 250 at 1000 rate
Price per 5000 . . $400.00
Place your order now, to be in on early deliveries

NIC. ZWEIFEL, NORTH MILWAUKEE, Wisconsin.

Please mention the Exchange when writing.

White Perfection

We have a fine batch of White Perfection Rooted Cuttings, ready about January 1st. $2.50 per 100, $20.00 per 1000.

Satisfaction guaranteed.

S. A. NUTT GERANIUMS
from 2¼-inch pots, ready now and later, good stock, $2.50 per 100, $20.00 per 1000.

WHITE BROTHERS, Gasport, N.Y.

Please mention the Exchange when writing.

PEAT
Extra Fine Quality for Orchids and Rhododendrons.

Send for a free sample.
Price, $1.50 per barrel.

WALTER TICKNER, 867 Richmond St. **Rochester, N.Y.**

Please mention the Exchange when writing.

CAN'T FIND THAT STOCK WANTED!

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over. Try it next time you can't find advertised in these columns just what you want.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange

ORCHIDS

We are one of the largest collectors and importers of Orchids. Investigate us.

CARRILLO & BALDWIN, MAMARONECK, N. Y.

Please mention the Exchange when writing.

ORCHIDS
Imported and Established Orchids in Great Variety

Write for Our Special List and Catalogue

LAGER & HURRELL
SUMMIT, N. J.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans England, and 258 Broadway, Room 721, New York City

Please mention the Exchange when writing

Chrysanthemums
STRONG STOCK PLANTS.

Touset, Alice Byron, Ivory, Desjouis, Glory of Pacific, Maud Dean, Rosette, Golden Glow, Major Bonnaffon, Cremo, Halliday, Golden Eagle, Yellow Jones and Baby (Small Yellow).

75 cents per doz.; $4.00 per 100.

WM. SWAYNE, Kennett Square, Pa.

Please mention the Exchange when writing

STOCK CHRYSANTHEMUMS
THE BEST OF LAST YEAR'S NOVELTIES
In pot and bench plants, viz.:

Wells' Late Pink, W. Mease, Mrs. H. Stevens, R. F. Felton, Gladys Blackburn, Keith Luxford and others at 50 cents each

Our new list for 1911 will be ready soon. Send for copy.

SCOTT BROTHERS
Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

Double Your Money! How?

By growing **Asters** from **Smith's Peerless Seed** in **White** and **Light Pink**; none better. Have also a complete list of the good Standard Kinds, as well as all the Novelties in **Chrysanthemums** of our own raising, and all the best Commercial Sorts.

Catalogue now ready, write for copy.

ELMER D. SMITH & CO., ADRIAN, MICH.

Please mention the Exchange when writing.

PRICES ADVERTISED ARE FOR THE TRADE ONLY

CARNATION MRS. C. W. WARD

The most prolific and profitable variety in the market, producing more flowers and bringing a higher price than any other Carnation. The Commercial Value of this variety has been further demonstrated by the highly satisfactory results obtained by last year's purchasers.

MRS. C. W. WARD is a free and perfectly healthy grower, producing perfect flowers on long stems as early as September 1st. The color is the clear, deep pink so much in demand.

Rooted Cuttings: $6.00 per 100, $50.00 per 1000.

ALMA WARD LARGEST WHITE.
Rooted Cuttings: $7.50 per 100, $60.00 per 1000.

Cottage Gardens Co. Inc. Queens, Long Island, New York

Please mention the Exchange when writing.

Atlanta, Ga.

Atlanta florists are all jubilant over the season's business, which is largely in excess of that of any former year. Such could not well be otherwise, for the city's phenomenal growth, and its share in the great access of wealth which abundant crops and high prices realized are bringing to the entire South, is reflected in the prosperity of its citizens and increased activity in every line of business. As there has been no great increase of glass, however, the trade is experiencing a dearth of flowers which may curtail holiday profits, as Northern growers do not appear to be able to spare sufficient stock to fill the demand. 'Mums are the only flowers which have been really plentiful, and now that these are gone the florists are hard pressed for sufficient material. All of the flower shops on Peachtree st. make, notwithstanding, as brave a display as if there were no end to supplies. The Atlanta Floral Co., The C. A. Dahl Co., The Nunnally Co., and The Ormwood Floral Co. are all well represented.

The greenhouses of the Atlanta Floral Co., under the able management of Mr. Erickson, are turning out some fine Roses and Carnations.

J. P. Matthiesen, whose greenhouses were nearly destroyed by a hailstorm last Spring, has rebuilt, and will soon be in better shape than ever. W. B. C.

Los Angeles, Cal.

J. B. Wagner, the Rhubarb specialist of Pasadena, has sold his deciduous fruit tree stock to D. W. Coolidge, the grower of semi-tropical fruit trees, of the same place. The citrus fruit trees were bought by Wilhite & Burns of Los Angeles. Wagner is a genius in his line of work—the propagation and the improvement of Crimson Winter Rhubarb. He took up the work where Burbank laid it down and, by selection and good culture, he has brought this species of the plant to a degree of perfection in this arid climate that is wonderful to see. It, however, like the English species, responds to good culture, which means in the last analysis an abundance of stable manure to the depth of a foot every year, and plenty of water during the growing season on this Coast, which is from November to May.



CARNATION "WASHINGTON"

ROOTED
Carnation Cuttings
Immediate Delivery. A No. 1 Stock

	Per 100	Per 1000
WASHINGTON, cerise, a sport from Enchantress	$10.00	$75.00
PRINCESS CHARMING, beautiful flesh pink	12.00	100.00
CONQUEST, variegated	6.00	50.00
SANGAMO, brilliant pink	6.00	50.00
MARY TOLMAN, deep flesh	6.00	50.00
DOROTHY GORDON, pink	6.00	50.00
SCARLET GLOW	6.00	50.00
J. WHITCOMB RILEY, yellow	6.00	50.00
SHASTA, white	6.00	50.00
SENSATION, pink	6.00	50.00
PINK DELIGHT, flesh pink	6.00	50.00
MAY DAY, flesh pink	3.00	25.00
ENCHANTRESS	3.00	25.00
ROSE PINK ENCHANTRESS	3.00	25.00
WINSOR	3.00	25.00
WINONA	3.00	25.00
ALVINA, cerise	3.00	25.00
ARISTOCRAT, cerise	3.00	25.00
AFTERGLOW	3.00	25.00
WHITE ENCHANTRESS	3.00	25.00
WHITE PERFECTION	3.00	25.00
O. P. BASSETT, scarlet	3.00	25.00
VICTORY	3.00	25.00
BEACON	3.00	25.00

CHICAGO CARNATION CO., 35 RANDOLPH STREET, Chicago, Illinois
A. T. PYFER, Manager

Please mention the Exchange when writing.

The Pasadena Gardeners' Association, vexed with the question of an adequate number of vases to hold the flowers offered for exhibition at the various shows, has offered a prize of $10 for the best design of a metallic vase. Vases made of glass, with bulbs at the bases, which, when filled with water, are heavy enough to prevent them from tilting over, are too expensive, and the breakage gradually diminishes their numbers. The inverted cone pattern is so easily tipped over when filled that it is unsatisfactory.

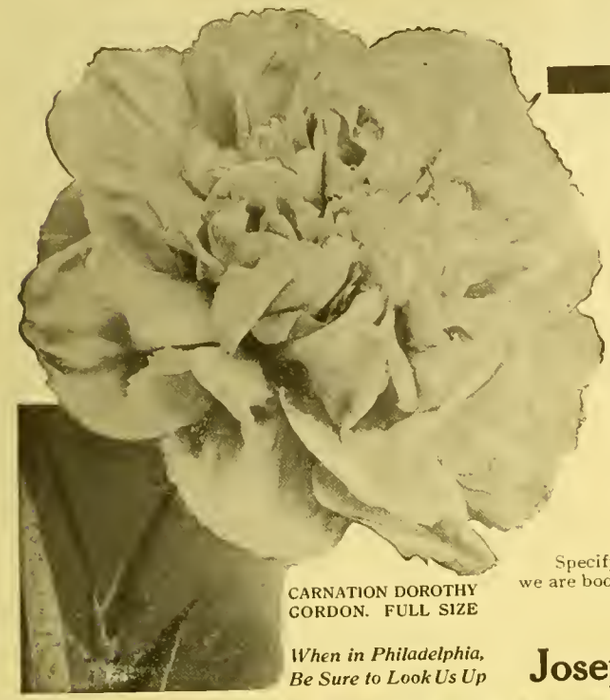
The weather continues warm and dry, which is the cause of some anxiety among agriculturists. It is ideal for citrus fruit growing, and the crop is in better condition than for a number of years past. The increased acreage coming into hearing this year more than offsets the decline in the productivity of old orchards, which were worked and cropped until exhausted Nature refused to respond, with bountiful crops, to the wind and water method of cultivation which the orchards have been receiving.

Miss Hasp, daughter of a florist, resident of Ocean Side, Cal., has opened a flower store in Bakersfield. There is an opportunity in that thriving city for a first class uptodate greenhouse establishment. The Summers are very hot and dry, and the Winter temperature sometimes drops to 16° Fahr., which makes glass houses, artificially heated, a necessity for growing tender plants. Fuel oil is cheap, and the time of firing so short that the expense bill is not as much as for the same amount of glass in the East.

The first snow of the season to cover the mountain peaks on the north side of the San Gabriel Valley came down on the afternoon of December 20. This peculiarity of our climate is one of its pleasing contrasts—mountains covered with snow, and at their base Orange and Lemon groves loaded with fruit, etc.

P. D. BARNHART.

"Highly Pleased With Dorothy Gordon As a Producer"



CARNATION DOROTHY GORDON. FULL SIZE

—the way one prominent Eastern grower expresses his opinion of our grand new Carnation. And mind you, he says this after giving it a trial, *himself*—he isn't taking anybody else's word for it.

He says further that he wishes he had a larger stock of "Dorothy Gordon" and speaks favorably of its very large flowers, long stems, and the enormous quantity which his range is producing.

Another prominent carnation house, which grows most of the leading sorts, has planted "Dorothy Gordon" extensively, and speaks very highly of it, expressing satisfaction with both the quality and quantity of its flowers.

Remember what we've told you before about "Dorothy Gordon"; color clear pink—a shade darker than Pink Enchantress; flowers large—averaging over three inches in diameter—form and substance of the very best. Bears at least one-third more flowers than Enchantress, and brings regularly 50% more money.

We are now growing a splendid but limited stock of rooted cuttings and offer these at

$6.00 per 100, $50.00 per 1000.

Specify your wants now, as our growing capacity is limited, and we are booking orders for many thousands of rooted cuttings each week.

Railway Station: JENKINTOWN

When in Philadelphia, Be Sure to Look Us Up

Joseph Heacock Co., Wyncote, Pa.

Please mention the Exchange when writing.

CARNATIONS, Rooted Cuttings

Pink Delight, Beacon, Apple Blossom, Georgia, White Perfection, Enchantress and Winsor

Send for Price List

BRANT BROTHERS, Inc., UTICA, N. Y.

Please mention the Exchange when writing.

CARNATIONS
Rooted Cuttings

	Per 100	Per 1000
ENCHANTRESS	$2.00	$15.00
WHITE ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.00	15.00
HARRY FENN	2.00	15 00
MRS. PATTEN	2.00	15.00
BEACON	2.50	20.00
WINONA	2.50	20.00
PINK DELIGHT	6.00	50.00
MAY DAY	3.00	

QUIDNICK GREENHOUSES, J. H. Cushing, Prop.
QUIDNICK, R. I.
Anthony Post-Office

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PRIMROSES

Obconica Giants, the **largest flowering,** coming in bud, 3 in., $3.00 per 100; 2-in., $1.50 per 100.
Chinese, 3-in., $3.00 per 100.
Kewensis, the grand, new sweet-scented, cut flower Primrose, also makes a fine pot plant; 3-in. $3.00 per 100.
CINERARIAS. Large-flowering, dwarf, 3-in. $3.00 per 100; 2-in., $1.50 per 100.
ASPARAGUS Sprengeri. 3-in. $3.00 per 100.
These are extra strong, well-grown plants and will make fine plants for Spring trade.
Cash, please.

J. W. MILLER, Shiremanstown, Pa.

Please mention the Exchange when writing.

PRIMROSES

		Per 100
Chinese, Obconica elbe and rosea, Obconica gigantea	2½ inch pots	$1.50
		2.00

ASPARAGUS SPRENGERI, 2½ in. pots, $2.00 per 100.
ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 50c. per 100. Cash please.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

CARNATION CUTTINGS

Well-rooted cuttings of **Beacon, Enchantress, White Perfection** and **Victory** at $2.50 per 100, $22.50 per 1000. **Harlowarden** at $2.00 per 100, $20.00 per 1000. **Conquest** at $5.00 per 100.
Delivery any time before March 1st.
Cash with order, please.

WILLIAM McROBERTS, Maple Street, Waverly, Mass.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, all colors. Well budded plants from 3 in. pots, $7.00; from 4 in. pots, $15.00 per 100; extra strong plants in bud and bloom from 5 in. pots, $25.00 per 100.

PRIMULA OBCONICA Grandiflora and Gigantea, Ronsdorfer Hybride All Colors, in bud and bloom, from 5 in. pots, $2.00 per doz., $15.00 per 100.

CINERARIAS Hybrida Maxima Grandiflora. No better strain, from 3 in. pots, $4.00; from 4 in. pots, $8.00 per 100. Satisfaction Guaranteed.

PAUL MADER
EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

CINERARIAS

BEST STRAIN

Chinese Primulas, Asparagus Sprengeri, Snapdragon, Dreer's Double Petunias, Mixed Geraniums, out of 2½ inch pots, $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Rooted Cuttings

PETUNIAS, Dreer's Superb, Double Fringed, the best selected large-flowering doublee, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, Dark, good stock, 75c. per 100, $6.00 per 1000.
AGERATUM, Stella Gurney. 50c. per 100, $4.00 per 1000.
SALVIA Zurich, absolutely true to name, $1.00 per 100, $8.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

Rooted Cuttings

BY THE 100 PREPAID.

HELIOTROPES, Dreer's six fine sorts, deep Lavender, Lilac, dark Purple, pure White, Violet Blue with white eye and deep Purple, assorted and labeled, $1.00 per 100.

	100	1000
HELIOTROPE	$0.75	$6.50
LEMON VERBENA	.75	6.50
ENGLISH IVY	1.00	9.00
GERMAN IVY	.50	4.00

CHARLES FROST, Kenilworth, N. J.

Please mention the Exchange when writing.

Bedding Plants In Their Season

WM. J. CHINNICK,
TRENTON, N. J.

Please mention the Exchange when writing.

GODFREY ASCHMANN
IMPORTER OF
Araucarias, Etc.
1012 West Ontario St., Philadelphia, Pa.
SEND FOR PRICE LIST

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Rochester

Christmas with all its attendant rush and bustle has passed away and the opinions expressed by the dealers seem to be that the Christmas trade was entirely satisfactory. Carnations were, as predicted, a very scarce article, due to the unfavorable weather conditions prevailing for some time; the demand for these flowers was, therefore, very great and it was impossible to fill orders, with the exception of white sorts, which were over plentiful. Red, of course, was the principal color sought for, and no trouble was experienced in obtaining $10 per 100 for good stocks, other colors bringing 5c. to 7c. Red Roses were also eagerly sought, but the high prices which had to be paid to obtain them prevented many from handling any quantity.

Plants were very scarce, due to dark, weather. Poinsettias were sold, but the stock was not up to standard. Boston Ferns were in good supply, although the demand was light, everybody seeming to have a good supply. American Beauty Roses would have sold well if the quality had been good, but, as with everything else, the weather was against them, and, coupled with the high prices, the demand was light. Violets were in good demand and the stock excellent. Roses were never better for Christmas trade, A. N. Pierson, of Cromwell, Conn., sending in a good supply of excellent stock, and, better still, stock that one could send out without any pangs of regret as to its not being fresh. It is safe to say that the days of "picked stock" have passed away, and a new order of things has supplanted this pernicious habit practiced for so many years.

The transportation companies never handled goods in better shape than they did this year. Some delays were experienced, of course, due to trains running behind, but on the whole, stock was handled in much better shape than ever before.

Thomas Cogger, who for some time has been laid up with a serious illness, is again able to walk about, and he looks quite natural, although he cannot attend to business yet.

Felix Alberts is proving himself a pastmaster of the art of window decorations at J. B. Keller Sons' store. Some very charming effects can be seen any day in the windows of this popular establishment.

The first meeting of the year of the Rochester Florists' Association will be held on Jan. 9; the election of officers will be the principal business. There is also some talk of having a light lunch of some kind. In view of the fact that it is election night it is important that every member be in attendance, and a good start made for another year.

H. B. S.

Among the many pleasant days that come to the people connected with the house of James Vick's Sons, Christmas Day takes the highest place. On Saturday last the annual celebration occurred in the form of a dinner served in the offices of the company. More than a score of the young ladies from the office and departments, together with Messrs. Charles H. Vick, George Arnold and E. F. Rowe, gathered about the tables and were served with turkey furnished by W. T. Fonda, treasurer of the company. At the close of the dinner, which was served in a most capable manner by Henry Smith, several of the ladies gave and responded to toasts.

F. B. King, of Mandeville & King Co., entertained the company's entire office force on Saturday last at the Hotel Eggleston, in celebration of Christmas Day. Mr. King was assisted by W. H. Dildine, superintendent of agents, and C. C. Barnea, general superintendent.

E. F. Rowe.

Reports Received

MISSOURI BOTANICAL GARDEN, St. Louis, Mo.—Twenty-first Annual Report of the Officers of the Board and of the Director, including also several scientific papers, among them "Algal Flora of the Missouri Botanical Garden," "Periodicity in Spirogyra," "Fungous Root-Tubercles," "Embryo, Seed and Carpel in the Date, Phoenix Dactylifera," concluding with a third paper on "Illustrated Studies in the Genus Opuntia." A most interesting paper in the report is that on "Botrytis as a parasite upon Chrysanthemums and Poinsettias." Unfortunately, no remedies are noted for this trouble. The book is illustrated throughout with illustrations of the Garden and of many of the subjects treated on in the text.

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Newport, R. I.

The Christmas trade here was fully equal to that of past years, and prices ruled higher in cut flowers. The prices on plants ruled about the same as in former years. There was a great demand for greenery of all sorts, and the supply was short; dealers would have done well to have had a larger number of wreaths of Holly and other material made up beforehand. Begonia Gloire de Lorraine is no longer a novelty and, owing to its perishable nature, is not much in demand, yet quite a few plants were sold. The Azalea is probably the most popular pot plant of all, but the Cyclamen still holds its own. The berried plants, Solanum, capicastrum, Ardisia crenulata, and English Hollies were all sold out. I should have mentioned that the Heaths were just as much in demand as ever. Scottii Ferns of medium size also sold at sight. Dishes of assorted Ferns, too, were disposed of in large numbers. Carnations, Violets, Valley and Roses were the leading cut flowers. Roses brought $2.50 to $6 per doz.; Carnations, white and pink, $1.50 per doz.; and red, $2; Lily of the Valley, $8 per 100; Violets, $3 to $4 per 100.

On Saturday it rained most of the day and, undoubtedly, interfered somewhat with sales, but the mildness of the weather greatly aided in the delivery of stock, no wrapping whatever being necessary, making a great saving in the cost of handling.

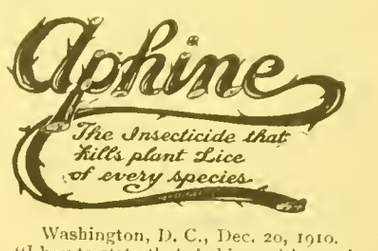
A call at the establishment of Gibson Bros. on Monday showed everything salable sold out and the proprietors well satisfied with the results of the season. All stock handled this year was of the first quality and fresh. They had some Easter Lilies on hand but there was little demand for them, although Callas could not be had in sufficient quantity to fill orders.

At Stewart Ritchie's greenhouses every Carnation showing color had been cut, and a large number, besides, had to be bought to fill orders. Stocks of Sweet Peas, Violets, Valley, Roses, and even bulbous stock were cleaned up. The sales of pot plants, Mr. Ritchie said, were never better. The Carnation plants are the picture of health, with the exception of the variety Queen, which is badly infested with stem rot, and will be discarded.

At C. Oscar Schultz's, with the exception of a block of Begonia Gloire de Lorraine, about everything in both plants and flowers had been cleaned up, and his stock of both was very large. Most of the plants are produced in his own greenhouses, and the store was replenished over and over again, until there was practically nothing salable left. His Poinsettias and Azaleas were picked up just about as soon as they reached the store. An immense quantity of greens was also disposed of, as well as berried plants.

In the churches but few plants are now used in Christmas decorations, but the display is made up principally of evergreens, wreaths, roping and a few cut flowers—quite effective, more appropriate, and less expensive.

ALEX. MACLELLAN.



Washington, D. C., Dec. 20, 1910.

"I beg to state that Aphine with me is doing all you claim for it. I find it invaluable in getting rid of Scale and Thrip on orchids."

(Signed) GEORGE FIELD.

$2.50 per gallon—$1.00 per quart.

FUNGINE

An infallible Fungicide for mildew and other fungous diseases. Particularly adapted for greenhouse purposes.

A clean, safe and easily applied spraying material which does not stain the foliage.

$2.00 per gallon—75 cents per quart.

Manufactured by

APHINE MANUFACTURING COMPANY

MADISON, N. J

Please mention the Exchange when writing.

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV—Continued

Material and Construction. Iron Frame Houses

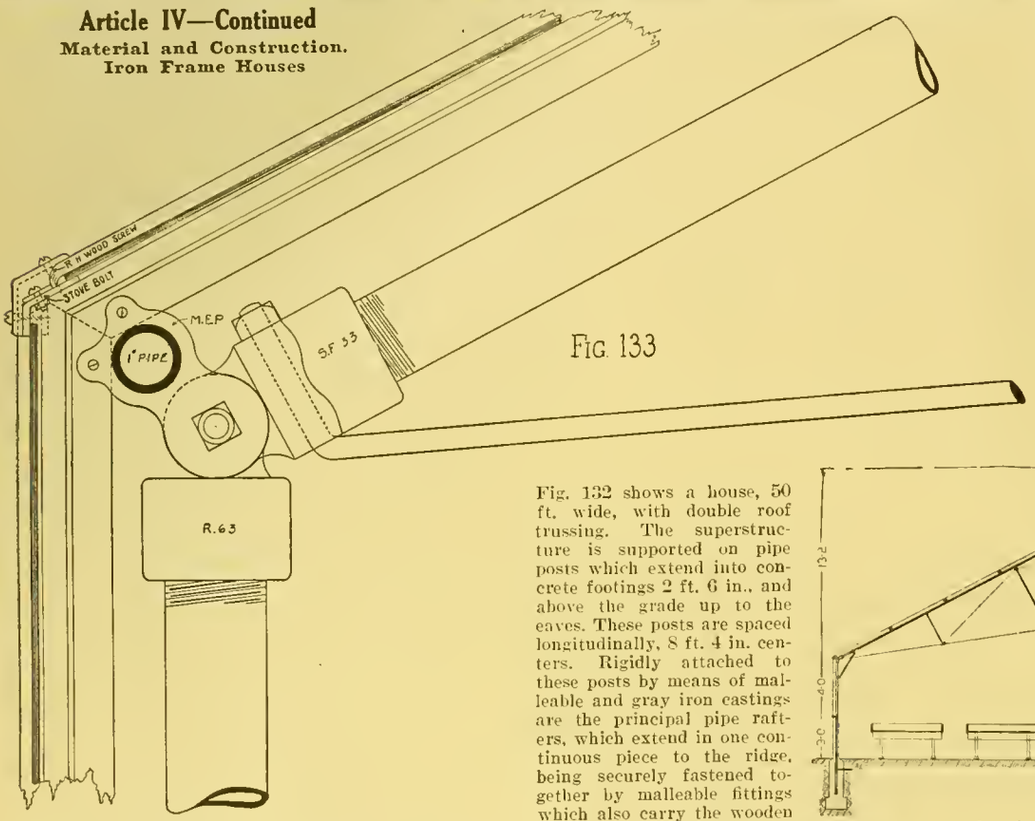


FIG. 133

In the preceding descriptions of greenhouse structures we have avoided as far as possible any lengthy descriptions of patented constructions, and have confined ourselves almost entirely to the consideration of structures which could, to a greater or less extent, be constructed by the grower himself, purchasing the principal castings and wooden members from manufacturers.

In the consideration of later types of light iron constructions it would not be of any special advantage to the prospective builder to go into a lengthy description of the various details of construction, as the manufacturers of these types of houses have them protected by patents, thereby making it necessary for florists to purchase the materials from them; we, therefore, will confine ourselves to a short general description of these constructions.

One of the first light iron constructions placed on the market was that known as the "King" construction, and we believe the manufacturers of this may be rightly considered as pioneers in this type, especially when considered in connection with truss roof supports.

The King iron frame construction consists very largely of pipe re-inforced with a system of trussing. Fig. 131 shows a house, 28 ft. wide, with single roof trussing, and

Fig. 132 shows a house, 50 ft. wide, with double roof trussing. The superstructure is supported on pipe posts which extend into concrete footings 2 ft. 6 in., and above the grade up to the eaves. These posts are spaced longitudinally, 8 ft. 4 in. centers. Rigidly attached to these posts by means of malleable and gray iron castings are the principal pipe rafters, which extend in one continuous piece to the ridge, being securely fastened together by malleable fittings which also carry the wooden ridge. At the intersection of the side posts and rafter members is placed an iron eave plate of angle iron, "Z" iron, or curved metal. The latter form of plate is illustrated in Fig. 133. This curved metal eave plate is also used in connection with the King semi-iron frame house, and was described more practically in connection with Figs. 76 and 77.

The eave plates are firmly secured to the castings which connect the tops of the posts to the pipe rafters. To further strengthen this eave connection, corner braces are employed between the side post and pipe rafter, making an absolute tie at this point. The principal rafters are reinforced by a system of roof trussing composed of tension tie and strut members, the same being designed to carry the varying loads the roof may be subject to. Draw buckles are used on the tension and tie members for adjustment. Houses of this character have a complete metal to metal tie laterally in the form of 1¼-in. pipe purlins, which are spaced about 4 ft. 6 in. apart up to roof, as the wood roof bar used is about 15-16 in. by 1¾ in. These pipe purlins are clamped on to the pipe rafters by means of "U" bolts with castings. The wood bars are secured to the pipe purlins by means of the usual tinned clips.

In designing truss supports for greenhouse roofs one of the main considerations, apart from the strength of the various parts, is the length of the strut member, and quite a number of failures in this type of construction have been due to the fact that the strut member was not of sufficient length. A good rule to follow is to make the strut member about one-sixth of the total length of bar, or the portion of the bar of which it forms a brace; in other words, if the bar or portion of the bar is 18 ft. long the strut member should have a length of 36 in.; however, a grower who contemplates erecting a truss roof house would find it to his advantage to consult with some manufacturer who has had experience in this class of work, as it requires considerable experience and care in the designing of a structure of this character that will withstand all the necessary strains.

Fig. 134 shows a side hill house of this construction, and it will be seen that the roof in this form of house is supported with a combination of columns and trusses; otherwise the construction is the same as the regular type of house described.

The gables of these houses are reinforced by vertical pipe rafters placed at intervals, to which are clamped, by means of "U" bolts, horizontal pipe purlins; to the latter are secured the end gable bars, in the same manner as the roof bars; and both the gables and the roof are provided with diagonal braces, which are adjusted by means of turnbuckles, thus making the whole a light and rigid frame.

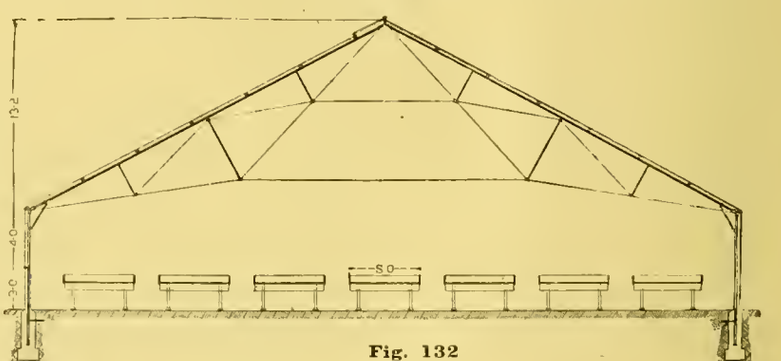


Fig. 132

The American Rose Society

Special prizes already reported for the Spring Flower Show at Boston, March, 1911, are as follows: The silver medal of the Society of American Florists may be awarded for best grown Rose, plant, or group of plants, should there be an exhibit of sufficient merit. The Dorrance challenge prize for the largest and best display of cut Roses, offered by Benjamin Dorrance, Dorranceton, Pa.; a valuable silver medal, properly engraved.

For the best vase of cut blooms showing the highest score, the prize offered by the Lord & Burnham Co., Irvington, N. Y.; this award to be in addition to any other premium the winning exhibit may have secured.

Special growers' prizes, value $10, $7 and $5. These prizes are meant for the actual grower of an exhibit, and not for the exhibitor, excepting in such case as he does his own growing. The above is to be awarded to such three exhibits of Roses as, in the opinion of the judges, reveal the best specimens of the growers' work in Rose growing. The object is to recognize the man who actually does the good work. These prizes are offered by Benjamin Hammond, Fishkill-on-Hudson, N. Y.

For the best fifty blooms of any variety of American origin, now in commerce, a silver cup, value $25, offered by Messrs. Hitchings & Company, Elizabeth, N. J.

Dec. 27, 1910. BENJAMIN HAMMOND, Secretary.

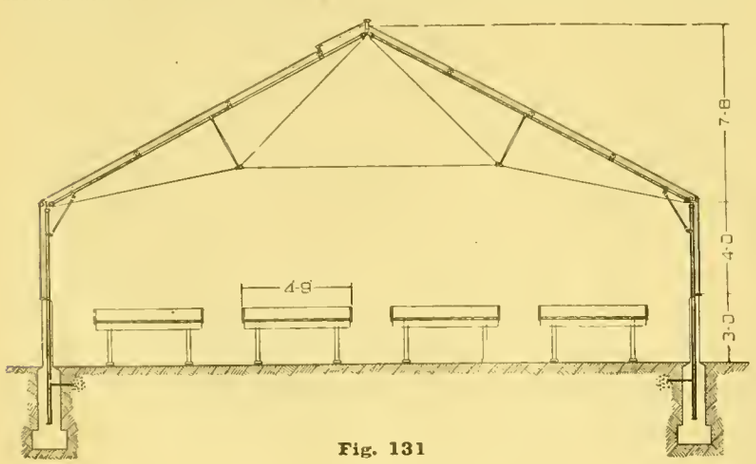


Fig. 131

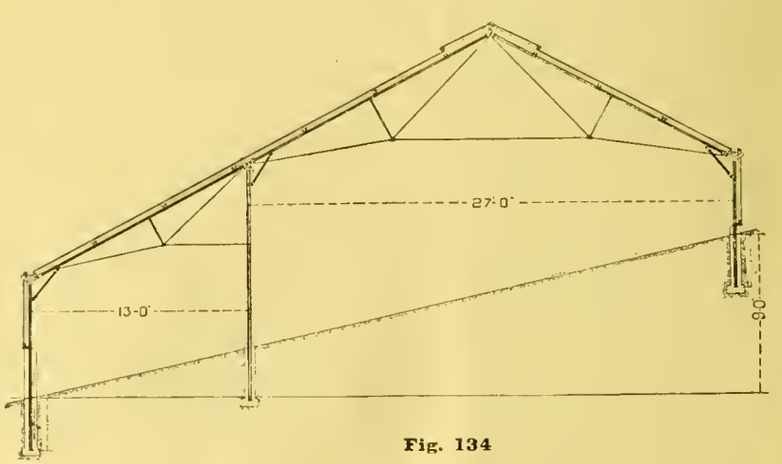


Fig. 134



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(148) **To Color White Immortelles Red.**—Will you kindly let me know by return mail how to color Immortelles? I have a great lot of white and have an order for red, so I would like to color the whites. M. H. B., N. J.

—Careful inquiries of the people who are large importers of Immortelles bring out the unanimous report that all Immortelles are colored in France at a certain stage in their curing after they are cut, and that they have not been successfully colored in this country in their dry state. Information in regard to coloring Immortelles from any one who has been successful in the work is invited.

(149) **Growing Callas.**—Can you give me any advice on Callas and how to grow them? Is hot water good?—B. A. L., Conn.

—This question is fully answered in "The Week's Work," by Fritz Bahr, under "Callas," page 961 of the Nov. 26 issue of the Florists' Exchange. As Fritz Bahr takes up the work at the point where the pots are already filled with the Callas roots, it should be stated that Callas, either the dry bulbs or those which have rested during the Summer, are usually potted in rich soil in 6-in. pots in September or October, and placed in a dark, cool place until the pots are well filled with roots, at which time they are ready to set on the greenhouse bench. Warm, and even hot water, has sometimes been used to hurry the development of blooms, but if the proper temperature is maintained this is not necessary.

(150) **Smilax and Asparagus.**—Would it pay well to grow Smilax and Asparagus at wholesale for the New York market? I have three greenhouses which are well suited for the purpose with room for 18,000 to 20,000 plants. The place is within 30 miles of N. Y. City and has good railroad connection. How much could I figure on each string at an average?—F. B., N. J.

—A study of the New York cut flower market price list for each week of the year 1910 shows that the prices for Smilax varied; to be exact, from 50c. to $2 per dozen strings, the price being governed by quality and market conditions. These prices were the two extremes. Usually the top price was not over $1.50 and the bottom price not less than 75c. per dozen strings. The average price of Smilax in the N. Y. wholesale cut flower market for 1910 was probably not over $1 per dozen strings, possibly even less. The price of Asparagus plumosus nanus, for the same period and in the same market, was from 10c. to 30c. per bunch; perhaps the average price for the year was 15c. per bunch, possibly a little less. From the above figures the grower will need to deduct the wholesaler's commission for selling. At present Asparagus pl. nanus seems to be the most used of the indoor grown greens. It is suggested that the grower use the above as a basis in determining whether it will pay him to grow Asparagus and Smilax.

(151) **The Profit in Carnation Growing.**—Can you give me an estimate of the gross and net returns that may be expected in Carnation growing? For example, what would be a fair return above cost of production from six houses, each 125 feet long, each having four benches five feet wide? Net return per plant? What would be the cost of management and maintenance of a range of glass of this size? What the probable cost of the six houses, 27 x 125?—H. W. H., Colo.

—It is not an easy matter to estimate the profits of a proposed greenhouse establishment from the fact that conditions vary so greatly in different parts of the country, and in addition to this there is the personal equation to be taken into consideration.

A Personal Letter to Every Florist

Philadelphia, Pa., January 1st, 1911.

Dear Sir:—

Ripeness and Progressiveness—that's what you want in a Seedsman.

Some Florists deal with a Seedsman simply because they have formed the habit, or because their favorite House is one with a record dating back a century or two.

Nowadays it is not old age or past greatness—for it is reasonable to suppose that the "old man" himself may have died or retired, and it is a toss-up whether his business-bringing policies are still being carried out, and whether his successors or subordinates are any better executives than those in a new, inexperienced Seed-House.

Very often it is the "old man's" large block of capital stock that is holding the business together—to uphold the family's business name.

There are other "live," ripe, twentieth-century Seedsmen, however,—and one in particular, with a rosy record over twenty-one years long—a ripe age—under the vigorous personal direction of its founder, with the ablest managers of departments, the most "up-to-the-minute" and courteous business methods, located in the most modern and best-equipped Seed-House in the world—these are just a few of the reasons for the marvelous growth of the House of Michell.

All this is not mentioned in a boastful way—only that those who do not know us may realize that they cannot know too many ripe, progressive people, and that such firms may save them some money.

The House of Michell confidently expects to make every Florist in the land a customer and a friend, but only by showing the trade better qualities, better values, better service, and better results than they have been accustomed to getting. We realize that this is the only way to get repeated orders.

You want your Greenhouses to yield more profits—every "live" Florist does—and doesn't it stand to reason that a House which, like ours, is securing a great amount of new business, must be offering extra good bargains to secure such trade?

At any rate, you owe it to yourself to investigate, and whether you need a packet of seeds, a case of bulbs, or several tons of fertilizer, our coming together cannot bring profit to us unless it brings more to you.

You are now on the threshold of a new season. Write for our 1911 catalogue (it is ready), find out what we have to offer you—how our prices compare with competition—and above all, give us a trial.

Others—and very particular Florists, too—are making capital out of dealing here, so why not you?

To give each customer's best interests whole-hearted study; to analyze the conditions; to note the likes and fancies and satisfy them—that's the idea on which this business has been conducted for over twenty-one years.

Respectfully yours,

HENRY F. MICHELL CO.

518 MARKET STREET PHILADELPHIA, PA.

(Carefully note the new address.)

Write today for Michell's Wholesale Catalogue for 1911.

Please mention the Exchange when writing.

A plant consisting of six houses, 27 x 125 ft., would be about 25,000 sq. ft. of glass, roughly estimated, and according to wholesale rates in the East, should produce Carnations to amount to about $8,000 per annum gross. The net returns would depend very largely on the management of the business, but would not be likely to exceed $3,000 per annum. It would also have to be remembered that all varieties of carnations are not equally floriferous, and that the returns would, in some degree, depend upon the selection of varieties.

The best way to get at the cost of construction would be to correspond with the dealers in greenhouse material who advertize in the Exchange. W. H. T.

(152) **Propagating Privet.**—Advise me, please, of the best way to propagate California Privet, the kind of cutting to take, the soil for same and general care; also the best time of the year to propagate. A. V. S., Pa.

—Take cuttings 6 in. to 8 in. long in January or February. Tie in bundles of 50. Take boxes of a size easily handled, and 6 in. to 8 in. deep, and put a thin layer of moist sand in bottom of boxes. Set up box in slightly slanting position, and pack in your bundles of cuttings close together with moist sand between. Put away in a cool cellar or any place where the temperature is above the freezing point. As soon as the ground can be worked in the spring, set in rows about 3 feet apart and about 5 in. apart in row, and deep enough so that only 2 inches to 3 inches of the cutting will be above ground. Set very firmly. Use the cultivator frequently enough to keep out weeds and the surface of soil loose. Any moderately rich soil will do. Cut back in Spring to make plants branch.

Fires

ADDISON, N. Y.—The new greenhouse of Joseph Newcomb was badly damaged by fire on Dec. 21.

COLUMBUS, O.—Fire destroyed the greenhouse of Frank Miller, on Fairview pike, on the night of Dec. 16.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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The address label indicates the date when subscription expires and is our only receipt therefor.

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Telegrams.—Telegrams received in this office up to 3 p. m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Progressiveness

Another New Year is dawning; it marks the time to note our profits and losses, and to get out our 1910 experience book and profit by its successes and failures. While to the average florist one Christmas season is much like those that have passed, there are always some few business interests upon which attention is focused. There are new creations in novelties each year covered, as usual, with the spirit of commercialism, but with a few exceptions there are seldom seen around the stores new creations in plant life. The Rose, the Carnation and the Violet are here to stay, with their prices affected only by the change of season, with the possible exception of reds at Christmas, which bring fancy prices, and are yearly increasing in public favor.

The most popular pot plant which reached Washington this season was Begonia Glory of Cincinnati; it practically sold on sight, and there is every reason to believe that its further popularity will be manifested by a lively demand for stock. Just as the old gives place to the new, so is the comparison or relationship between the Begonia Gloire de Lorraine and its descendant, the Glory of Cincinnati, and it does not now seem likely that the latter will be displaced in the near future.

Each year a new relationship arises between the grower and retailer by reason of the rapid and progressive strides of the New South, which is coming into the limelight from obscurity with the products of its soils and grasping the spirit of commercialism along with the North. There was a time around Washington when a grower with a few sash could realize a good income from Lettuce raised in coldframes, but soon the South demonstrated a better quality could be grown there in the open ground, and sold on this market for less money than the home grown, and now it is generally conceded a waste of time to attempt competition here.

In place of the greenhouse-grown Smilax of a few years ago, we now see wild Smilax from the Southern forests used for festooning, and in cut-flower designs we find Southern Galax. With the displacement of our Smilax came Asparagus plumosus and A. Sprengeri, the popularity of which was evident from the start. Many growers planted large greenhouses of it and found ready sale as the demand for greens has been steadily increasing. The South soon saw the point and went to raising A. plumosus in the fields of Florida and shipping it North in barrel lots, and, so far as profit is locally concerned, this beautiful plant seems doomed within the next few years to disappear from our local greenhouses as its predecessors have done.

There is no objection or prejudice against such Southern competition, but it has the average grower in other sections guessing just what to plant, and demonstrates advancement and progress in a few of the many different forms which it assumes.

Washington, D. C. JAS. L. CARBERY.

A Happy New Year

The uniformly encouraging reports which have reached us this week as to the large and splendid Christmas business everywhere transacted, coupled with the fact that this closing year has been one of general prosperity to all the interests we represent, and that there are no clouds in sight on the horizon to dim the prospects for the season to come—all these facts combined enable us to put a hearty and a cheery ring into our salutation. So it is with a full heart for blessings received and enjoyed, that we sincerely wish our readers A Happy and a Prosperous Year in 1911.

The American Carnation Society

Registration

By The Cottage Gardens Co. Inc., Queens, L. I., N. Y.—Variety, Howard Gould. Parentage, Mrs. C. W. Ward X dark pink seedling. Color, clear dark pink; flower 3½ inches in size; wiry stem, 30 to 36 in. in length; flower deeply imbricated and of fine form.

A. F. J. BAUR, Sec'y.

Indianapolis, Ind.

English Horticultural Notes

"The America Cup." Save your breath, gentlemen; I am not intending to write an essay on Sir Thomas Lipton's yachting challenges and episodes in trying to win *the* "America Cup," but the cup in question is the much esteemed trophy which the American Carnation Society has so kindly provided for competition by our Society here. The ninth exhibition of the Perpetual-flowering Carnation Society was held on Dec. 13. Though so near to Christmas the show was a good one, although the wet and sunless weeks which we have passed through had weakened the plants and spoiled the colors of some of the flowers. The best scarlet was Scarlet Glow; White Enchantress easily held its old position as the best white; Carola is the best dark crimson; but just what is the finest pink or blush is hard to say. There are far more in this than in any other shade, and the habit of the plant makes all the difference. Enchantress, of course, at its best, holds its own; but our Mrs. Burnett and the new Rex proved very fine. Mr. Englemann's Harlequin (orange ground flaked and flushed rich crimson-scarlet) is a bold flower, but is best by itself. The following awards were made:

British.

Lady Alington (Stuart Low and Co.)—Rich salmon pink, and large. F. C. C.

Mrs. T. M. Crook (Stuart Low and Co.)—A distinctive flower, of deep crimson shade peppered with silver. A. M.

Rex (Englemann)—A good clear bright pink, flowers much fringed. A. M.

R. F. Felton (H. Burnett)—A large, fine, rich rose pink F. C. C.

American.

Mrs. C. W. Ward (cerise), Pink Delight (pink), Scarlet Glow (scarlet), and Niagara and White House (whites), each and all a F. C. C.

I am sending a photograph of the first prize vases of three American novelties (since Jan., 1908) which won the American Carnation Society's cup. The varieties were May Day, Dorothy Gordon and Pink Delight, shown by W. E. Wallace, Eaton Bray, Beds.; Mr. Englemann, Saffron Walden was second, with Afterglow, Pink Delight and May Day.

The annual banquet and business meeting took place on the evening of the show day at Anderton's Hotel, Fleet st., London. The annual report shows that the membership stands at about 250, with a fair balance on hand at the bank. The Society's "Year Book" will be published in due course and promises to be brighter and better than its predecessor. The general progress of the Society is distinctly encouraging. Mr. J. S. Brunton of the "Horticultural Trade Journal," Burnley, is chairman; and Messrs. Hayward Mathias and E. F. Hawes are the secretaries.

A Bronze "Lorraine."—I think I mentioned that a scarlet Paul Crampel Geranium had been shown in London by Cannell of Swanley, but it was not up to a good standard and did not get an award. Now I have to chronicle the advent of an epoch making bronze flowered Lorraine Begonia. Only a few plants were exhibited and these were in small pots, no exhibitor's name being attached. The flowers are russet bronze or perhaps might be described as reddish gold. If this Begonia proves to be a good grower, it assuredly will have a future. We believe Messrs. Rochford of Broxbourne, have an interest in it. They obtained a certificate for Begonia Gloire de Lorraine Rochfordi, with large, deep carmine flowers, and the plant is very vigorous.

A Chrysanthemum Conference.—The N. C. S. has held a successful little conference at which cultural papers were read by the best growers and others on the decorative aspect of the Chrysanthemum. It is possible that our Autumn shows throughout the country will develop along more artistic lines in the near future as a result of some of the suggestions. J. HARRISON DICK.

The New York Christmas Market

On Thursday preceding Christmas, business in the New York wholesale cut flower market moved at a snail-like pace. There were no smiles that day on the faces of the commission men and speculators, because there were no customers on whom they might smile. On Friday there were, perhaps, a few more sales made, but the market was still in a very sluggish condition. The prices stock brought on both days were extremely low. This was especially true in the case of high-grade blooms of white and pink Killarney, and My Maryland Roses; and, indeed, of all white and pink Roses, which changed hands in large quantities, it is said, at from $3 to $6 per 100. The ruling prices for American Beauty and Richmond were also low, though these varieties did not suffer in that respect so much. There was not, perhaps, a single stock of any kind which realized on these days prices any higher, if indeed as high, as those of Wednesday. The reasons for these conditions were not obscure. The retail florists throughout the city were busy with heavy sales of plants. Their customers were not yet ready for cut



Pink Delight Dorothy Gordon May Day

At the Ninth Exhibition of the British Perpetual-flowering Carnation Society W. E. Wallace, Eaton Bray, Beds., was awarded First Prize (The American Carnation Society's Cup) for 12 Blooms Each, American Novelties (since 1908)

flowers, and the retailers knew full well that the growers had, as usual, timed their stock for a heavy cut of blooms, and large shipments on Saturday, and that in all probability there would be a full market. At least the retailers were evidently willing to take their chances of such conditions, and were not buying to any great extent stock for salting down. Therefore, on Thursday and Friday they bought, as is now the custom with retailers, only just enough to fill the needs of the day.

The heavy rain of Friday night was still falling Saturday morning and continued to fall moderately all day, ceasing in the evening. It was a warm rain for December and unaccompanied by wind, and though it had a somewhat depressing effect, still it had its redeeming features, for the temperature was such as to allow plants and flowers only lightly wrapped to be delivered safely up till midnight. Much stock arrived somewhat late in the morning, on account of tardy express deliveries, but when in there was an abundance of stock of every kind, and the morning shipments were still further augmented by heavy arrivals at night. In the morning market business was by no means notably active, and desultory buying continued throughout the day. At eleven o'clock Saturday night there was an abundance of stock still left. The commission men were disappointed with the volume of the day and evening sales, but were still hoping that a storm of buying might strike in between midnight and Sunday noon. If the volume of sales was less than might be expected on the day before Christmas, the prices were even more so. The prices obtained during the day and evening of Saturday were about as follows: American Beauty Roses, specials, 50c. to $1 each, few sales above the 75c. mark; top grade Richmond, 25c. to 50c. each, the higher named price being very exceptional, 25c. to 35c. being the figures in most sales for top-grade blooms. Pink and white Roses of all kinds, top grade blooms, sold for 15c. A few very choice pink Roses, such as Killarney and My Maryland, in occasional sales brought 20c. to 25c. In general 3c. to 15c. covered all sales. Red Carnations, 8c. to 10c. each, pink 5c. to 8c., white 3c. to 6c. Orchids, Cattleyas 50c. to $1 each, other kinds at about the current prices of the week. Gardenias, $1 to $4 per doz. Lilies, $10 per 100. Lily of the Valley, $2 to $4 per 100. Violets, regulars, $1.25 per 100, a few specials at $1.50. Sweet Peas, $1.50 to $2 per doz. bunches. Poinsettias, asking price, $2 to $4 per doz., with most of stock unsold at midnight. Miscellaneous stocks, and greens at prices not differing materially from those of the previous Wednesdays, i. e., Paperwhites, $1 to $2 per 100; White Romans, $1 to $1.50 per 100; Stevia, 15c. to 20c. per bunch; Asparagus, 15c. to 25c. per bunch; Smilax, 75c. to $1.25 per doz. strings; Adiantum, 75c. to $1.25 per 100.

At midnight on Saturday very heavy shipments of Violets, which were due at 3 p.m., came into the market, and prices began to go down. The night arrival of Roses of all kinds was also unprecedently heavy, and concessions on the moderate prices of the morning began. The sales from midnight to Sunday morning were inconsequential, and those of Sunday forenoon were light, but Monday forenoon brought a fair amount of business. In the attempt to clean out, the prices quoted in this article as the prevailing ones from Saturday morning till midnight of that day had to be cut heavily, especially on Violets, Roses, and Carnations. There is no concealing the fact that there was in the market on Tuesday a very large amount of left-over stock still unsold, and that it had to be disposed of at a ver ygreat sacrifice. The verdict on Christmas, 1910, as handed in by the "wise men" of the wholesale cut flower market is—a very large amount of stock in the market, medium sales, and very low prices in general.

Plants and Christmas Greens

As far as can be learned, both the plant growers and plant wholesalers sold, practically, every plant which they had to offer, and the plant sales beyond a doubt were unprecedently large. The very large, varied and splendid stock of Kessler Bros., the wholesale plantsmen, 138 West 28th st. was entirely exhausted early on Saturday. The plant offerings of August Millang, 41 West 28th at., were large, varied and beautiful, and his showing of these in his store front made a most attractive and beautiful window.

The sales of evergreens of all kinds were very heavy, beginning several days before and extending right up into Christmas Day. The sales of the Kervan Co., 113 West 28th st., of a general line of all evergreens, and of George Cotsonas, 127 West 28th st., far exceeded those of previous years, and Gunther Bros. disposed of a large quantity of Holly.

A notable slump in the prices of Holly took place. On Dec. 17 Holly sold on the pier in New York in large lots at $4 per case, and retailed at $5; but very heavy and late arrivals reduced the price wholesale on pier on Dec. 23 to 75c. per case in large lots, and $2 per case retail.

National Sweet Pea Society (British)

The annual meeting of this flourishing Society was held at the Hotel Windsor, London, Dec. 15, and from the attendance standpoint was a very great success. The chair was taken by the retiring president, N. N. Sherwood, V. M. H., who skilfully and gracefully piloted the ship through rather stormy waters. The report for the past year recorded an accession of 166 new members during the year, making a total effective register of about one thousand; also the affiliation of twenty-two new societies, making one hundred and nine in all. Financially, the Society is in a most satisfactory condition, the total income being £768 10s. 10d., and the balance in hand, after all liabilities are met, amounting to £226 18s. 9d.

As reported by me at the time, the Summer exhibition was most successful and it has been resolved to hold a two days' show again next year; the dates fixed are July 11 and 12. The trials and other work of the Society have already been fully reported in your columns.

In connection with the proposed International Horticultural Exhibition of 1912, the N. S. P. S. is ably represented on the committee and has offered a guaranty of £50 toward the expenses.

The trials are to be continued next year, under the able superintendence of Chas. Foster, at the Times Experimental Station, Sutton Green, near Guildford, England, to whom samples of fifteen seeds should be sent at once to reach Mr. Foster not later than Jan. 14, 1911. In future, novelties will only be accepted from the raiser or introducer and in every instance the color class to which the variety belongs should be stated. Although novelties will be received under number, any variety meriting an award must be named before such award be granted. The fee of 60 cents and a notification of the sending, must at the same time be sent to the secretary, C. H. Curtis, Adelaide road, Brentford, England.



The Late Anthony Wiegand

See Obituary notice, page 1170, Dec. 24.

The Floral Committee was, after a long and heated discussion, increased from twelve to eighteen members, and an amateur chairman with power to give a casting vote. To the trade half, the following raisers and dealers have been added: R. Bolton, W. Deal, A. G. Stark and W. J. Unwin; of the old members, J. M. Bridgeford, L. B. Dicks, Geo. Herbert, Andrew Ireland and H. Smith were re-elected. It is to be hoped that the new arrangement will put a stop to the libelous and disgraceful correspondence, which has defiled the pages of one of our gardening papers for some time past. A study of the reports of the past season's trials will show the true cause (and baselessness) of the outcry.

Lord Northcliffe, proprietor of the Times Experimental Station, was nominated for president, but as the state of his health prevents his acceptance of the office, Lady Northcliffe was, with her own approval, appointed in his stead. Some unfeeling wretch in the hall suggested "Suffragettes," and was promptly squelched. The treasurer, Edward Sherwood, and secretary, C. H. Curtis, were re-elected, and an honorarium of sixty guineas (about $310) was voted to the latter for past services.

As a token of the splendid work done by Supt. Foster since the trials were instituted, a splendid canteen, fitted with a solid silver service of the finest quality, was heartily subscribed for from members in all parts of the world. Unfortunately, Mr. Foster was still too ill to attend and receive it, but this duty was most efficiently performed by Mrs. Foster. Mr. Sherwood made the presentation in his usual happy manner, and feelingly voiced the sentiments of the meeting in expressing an earnest wish for Mr. Foster's speedy recovery.

The customary dinner followed under the able presidency of Edward Sherwood, and this, in its turn, was followed by the Conference, when the following papers were read and discussed: "Judging Sweet Peas," by Walter P. Wright; "Sweet Pea Cultivation," by George Herbert. The papers with a full report of the discussion which followed, will appear in the Sweet Pea Annual for 1911.

S. B. DICKS.

I have read with much interest the able article by G. W. Kerr in The Florists' Exchange for Dec. 3 and, in the main, I am in full agreement with him. Allowance must, however, be made for the different conditions existing in England. Mr. Kerr is mistaken in saying that Colleen was certificated by the N. S. P. Society; it was simply commended as a garden variety, and if Mr. Kerr had seen the magnificent display made by it in a most unfavorable season he would have heartily endorsed the commendation. S. B. D.

The New Federal Insecticide Regulations

Benj. Hammond, of Fishkill-on-Hudson, N. Y., manufacturer of many insecticide and other preparations, answers our inquiries in regard to the workings of the Federal Insecticide regulations as follows: "I was in Washington and went over these with the Committee there, and actually all that is required is to use the same care that we always used in the wholesale drug house I grew up with; there was nothing that went out but what we were sure was right; if we sent a man a quart of paregoric, we sent that and nothing else.

"In large manufacturing it needs the oversight, and there are not any preparations we have hitherto sent out that will have to be modified in the least. The Department has our labels, and they may call for some slight change in their form; the label that will be adopted after the first of the year will be similar to the guarantee in the Pure Food Law. * * * J. C. Vaughan, of Chicago, has taken a position in which he should be supported, that is, in the tendency to penalize for error, while the Inspection Departments which are being formed are really making good jobs for a lot of men. Any manufacturer is liable, at times to have some accident; in fact, I do not know how you can avoid it. Still the penalty as laid out in the Insecticide Law gives you a hearing in such a case before the fine is imposed."

Changes in W. 26th and 28th Sts. New York

So many changes in location and firm names have taken place in the wholesale district since April 1 last, that a résumé of these may be interesting. Several removals were made necessary by the demolishing of old buildings on 28th st. to make room for the erection of modern structures.

About April 25, A. L. Young & Co. combined the business which had been carried on at 46 West 28th st. under the name of the Manhattan Flower Market, and that carried on at 54 W. 28th st. under the name of A. L. Young & Co., under the latter name and at the latter number.

May 2, Traendley & Schenck moved from 44 West 28th st. to 131 West 28th st., and on that same day Walter F. Sheridan moved from 39 West 28th st. to 133 West 28th st.

On May 7, Ford Bros. dissolved partnership; M. C. Ford continued the business, moving from 44 West 28th st. to 121 West 28th st. About June 1, Kessler Bros. moved from 50 West 28th st. into temporary quarters at 450 Sixth ave., out of which they moved at the end of the plant season, taking desk room at 52 West 28th st., until they moved into more permanent quarters at 138 West 28th st. on Sept. 15.

June 6, P. J. Smith became the successor of John I. Raynor, at 49 West 28th st. About June 10, George Cotsonas moved from 50 West 28th st. into his new quarters at 127 West 28th st. About Aug. 1, on the first floor of the same building, the Græco-American Florists' Supply Co., under the management of Andrew Cova, began business.

The firm of Gretsch & Ordonez Bros. was formed about June 18 and dissolved about Aug. 1, R. Gretsch continuing the business at 52 West 28th st., at which place he had been in business previous to the formation of the partnership. On Oct. 1 Mr. Gretsch discontinued business at 52 West 28th st. to become manager of the wholesale cut flower department of Kessler Bros. at 138 West 28th st.

June 15 Philip Kessler moved from the first floor to the Cut Flower Exchange floor of the Coogan Building, 55-57 West 26th st. July 1, the firm of A. Moltz & Co. was formed and occupied the first floor of the Coogan Building. The Geller Supply Co. moved from 110 West 26th st. to 147 West 28th st. about Aug. 15.

Sept. 15, Charles Smith's Sons discontinued business at the Cut Flower Exchange, 55-57 West 26th st. Alexander J. Guttman retired from business at 34 West 28th st., on Sept. 17, and the store at the above number was at once taken by the new firm of Badgley, Reidel & Meyer, Inc. W. P. Ford again engaged in the wholesale cut flower business, opening his new store at 45 West 28th st. Sept. 19, and on this same day the S. S. Pennock-Meehan Co., with Percy B. Rigby as manager, opened its New York branch store at 109 West 28th st., and N. J. Hills & Co. opened their new store at 58 West 28th st.

Oct. 15, the firm of Charles Weiss & Sons was formed,

with H. Weiss as manager, and began business at 127 West 28th st.

George C. Siebrecht and Walter R. Siebrecht formed a partnership under the firm name of Siebrecht & Siebrecht, and opened their store at 136 West 28th st. on Dec. 3.

On Dec. 7, J. J. Perkins & Sons took quarters and began business at 117 West 28th st.

A Visit to England

(*Continued from page 1171*)

A Japanese garden, with a luxuriant growth of plants, seemingly at home by the way they were growing, showed great skill in the design, the walls representing old ruins. A great quantity of Figs are grown in one section of the glass, and here I found some of our American hardy varieties of Grapes; certainly they had a good flavor when so grown. In the other section of the glass, which is quite extensive, was found houses of well grown plants, fruit trees and vines. Carnations were well done. Lorraines, fine. A house of Odontoglossums, the best I saw over there; Pines in pits, a novelty. In these days about 6000 Strawberries are forced.

The grounds are especially well kept and reflect great credit on those in charge. Beds of Tea Roses were especially good, Geraniums in pyramidal beds, and in beds resembling baskets with handles of Ivy, were odd and effective. There are some nice ponds which add much to such a place, with swans, ducks, geese and aquatic plants.

At Roehampton, J. P. Morgan has a well kept but rather small place, producing more on a given space than any other I saw. Here Calanthes were fine, clean strong bulbs, just throwing their flower spikes, giving promise of a rich display. Carnations were as well grown here as I saw anywhere. Enchantress, Beacon and Winsor were the favorite American varieties; Mrs. Burnett and Britannia about the best of the English kinds. Orchids, on a limited scale, were in good condition; a general line of plants, including the ever present Lorraine, border and Malmaison Pinks by the thousands, a nice compact kitchen garden, fruit garden, well kept lawns and farm buildings with prize cattle, made the place very complete. Some 19 men are kept, with 9 in the bothy, on what is really a small area. This place is kept up, for the most part, to supply the friends of Mr. Morgan, that gentleman himself being seldom here.

At the home of Sir Julius Wernier I found Mr. Metcalf in charge and he, being an old Burghley man, I was soon at home with him. The approach from the railway is a beautiful drive through the estate grounds. A wide stretch of grass on either side of the drive, bordered by woods wherein thousands of pheasants were feeding just out of the cover, gave a very pleasing impression. Sir Julius has done much to improve the place since he bought it. A finely equipped electric light and power plant supplies electricity to the estate, fine stables and garage. The farm buildings are well equipped and the gardens both extensive and well laid out. Around the mansion was a flower garden, consisting of an elaborate design of bedding, sloping to the south; a fine herbaceous border, individual beds of Roses, Rhododendrons and standard Roses. An old chalk pit, made over into a rock garden, showed considerable skill; Mr. Metcalf assured me that not a plant was there in March, but in October you would have thought some of them had been there for years. The artificial waterfall was fed by an electric pump; the rocks, many of them manufactured, and a cave, a real work of art, made the whole garden look most realistic. At the time of my visit thousands of bulbs were being planted for the Spring display. A fine house of D. Phalænopsis was in bloom, houses of Cattleyas and Odontoglosseums were in fine condition. The fruit house was being utilized for finishing up the 'Mums, of which he had 1500 in pots for large flowers, with bush plants in proportion. Some 2500 Strawberries for forcing were looking grand. A wilderness walk was in process of construction, to be planted with Rhododendrons and Azaleas, interspersed with Lilies and some of the hardier plants. This will connect the gardens more closely with the residence by means of a private walk. A fruit house, built of rushes, was well equipped, and will be useful as the many dwarf fruit trees being planted come into bearing. A novel feature here was a perforated water pipe, placed on top of the fruit walls, which served a double purpose: To drench the trees with water and for use to hang the nets on which protect the fruit from the birds. Vegetables were well grown here; some very fine specimens being taken up for church decoration at the Harvest Thanksgiving service.

A journey to Aldenham House, the home of the Hon. Vicary Gibbs, was marred by rain; it simply poured all the time I was there. Here are grown the best vegetables in all England, by Beckett, uncle of Thacher of the Arboretum. I noticed the soil in the borders was some nine inches or more above the walks; on inquiring I found that this was caused by the amount of manure and top sod used to replenish the soil, and certainly the results justified all they had done. Here is the best collection of hardy plants and shrubs in England, some 200 acres in all is devoted to them; of this, a large tract, called the "Wilderness," but cared for and planted methodically, was very interesting and contained a collection of all that might be termed the trees and shrubs of rougher growth. The pleasure grounds were well laid out and contained so many different features that I think Mr. Thacher should, at some future time, give us a talk on this place on which he has spent so many years with his uncle. Here I found a collection of the Wilson plants, grown in pots and kept in their own sections, and must say they were so much more interesting when cared for in this way; for instance, all the vines being together; you could see their respective merits as to color, growth and habits so much better than when mingled with other plants. The best collection of Michaelmas Daisies was seen here, one of especially good habit, called by Mr. Beckett Favorite, had just received a A. H. S. certificate. These, too, were grown in groups, a decided improvement on the mingled groups of plants. The trimmed hedge around the Rose garden is a work of art and cannot be fully described without photographs; it is supposed to be the best example of a trimmed hedge in existence. I was sorry not to be able to take more time and see this truly beautiful place where the skill of the gardener and the interest of the owner were so happily blended.

A visit to Windsor found the gardens vastly improved since my last visit, and today Windsor gardens stand where they naturally belong, at the head of all. This is true especially as to the culture of the various things grown here. The kitchen garden, with the greenhouses, is some 65 acres in extent; about 150 men are employed and the product is enormous. To give an idea: Some 32,000 cuttings of Paul Crampel Geraniums are put in; about 16,000 Peaches are picked during the season; other things in proportion. The greenhouses were filled with the best lot of plants and fruit trees I have ever seen anywhere. Most of the houses are new, but some of the old houses are still in fine condition, though built over 60 years ago; these were iron frame houses with copper sash bars and rather small panes, and they looked as though they would last another 60 years. Houses of Lorraine Begonias in 6-in. and 7-in. pots were the finest I have ever seen, and would be a grand sight, when in bloom. They were grown more in pyramid form than we generally see over here. When I was there (the middle of October) not a flower was to be seen. The house for showing them was about 20 ft. wide, with just a center walk and stages on the sides; a mirror is fixed at one end so as to reflect the plants when they are in bloom. A considerable number were hung from the roof and must have made a most gorgeous effect.

Two houses of Calanthes was something to be remembered; bulbs a foot or over long and sending up such strong spikes. A rather novel combination was seen in one house; the groundwork Salvia splendens in pots, Longiflorum Lilies mixed through it, and Bougainvilleas suspended from the rafters; strange to say it did not clash in color and was a very remarkable combination. Here I found the best Carnations, both Malmaison and Perpetual; they were certainly well grown, and the latter were blooming well on fine, long, strong stems. They told me that about every day in the year they could and did cut Malmaisons; this was true certainly at the time of my visit, but nowhere else did I see any in bloom. Everything is grown in immense quantities; a house is devoted to one kind of plant only, so treatment suitable may be given to it. Orchids were, perhaps, the weakest point, but a house of Odontoglossum was looking good. The fruit houses truly presented a grand sight. The Peaches and Nectarines were gone but the trees, splendid specimens of culture, were there, and the vineries were filled with good, well finished Grapes, no foxy flavored fruit there; the bunches were of good size and even all the way through. The borders, when made, are just sod and bone; the feeding is done afterward, but such sod made me feel envious; in fact, when going from place to place and seeing such grand rank growth of grass it made me wish I could carry home a field or two. Mr. Harris informed me that they had used Bon Arbor with very good results.

The bothies were new and uptodate, fine dining room, kitchen, reading and recreation room; each man had a room to himself, which was to be kept clean and tidy; his name being over the door it was easy to determine if any of them were inclined to be slovenly. A wash room, beautifully fitted up with lavatories finished in white tile and enamel, with a mosaic floor, made a very complete building. Mosaic work in the new range must have cost a considerable amount of money; all the floors are in mosaic tiling, that is, the walks, also the fruit room floors. The range is built on the corrider plan, with the houses leading off at right angles, a plan which might be copied here, I think, with good effect.

An immense border of herbaceous plants, Dahlias, early 'Mums and Michaelmas Daisies will not soon be forgotten; it was about 20 ft. wide and perhaps, three or four hundred feet long, presenting a wonderful mass of color. The kitchen garden was filled with well grown vegetables and whole sections of fruit trees, chiefly dwarf trained; many of the orchards seem to be on this plan. * * *

At a luncheon for judges and committees of the R. H. S., over 100 were present and, according to a statement made by the chairman, Mr. H. Veitch, the prospects for the International Show in 1912 are very good. He said he wished they could get some 100 acres more space than they have so far secured.

Just a few words about the famous Hampton Court with its more famous vine. This fine old palace is kept in good repair and used for various purposes, chiefly as a museum and pleasure park for the people, partly as a barracks, and partly, I was told, as homes for widows of army and navy officers. I was most interested in the old vine, planted in 1768, still bearing and in good vigor, the mecca of thousands every year. At the base it is some five feet in circumference and bears some two to three thousand bunches a year. It is certainly still in a very healthy condition. * * *

There must always be an advantage over there in certain lines as their climatic conditions are very favorable to the growth of vegetation while, on the other hand, the absence of sun is a drawback to the ripening. Their season work in the garden covers the year, ours a few months. During the Winter months they are able to make lawns, prepare grounds for planting, do the digging and the like which we have to crowd into a few weeks, consequently we cannot do the work so thoroughly.

England looked good to me, but the West looked brighter, with more possibilities and more sunshine, so I was glad to return, much improved in health and with a much better opinion of the Old Country than I had held before.



Congressional Free Seed Graft

Can any one deny that the Free Seed distribution by the United States Department of Agriculture is not a restraint of trade—a restraint by Congress against one line of business among the ten thousand commercial industries of the United States—the only case of its kind in this or any other country? If any one is under the impression it is not a restraint, it is because he does not appreciate the volume of the free seeds distributed, which exceed in weight the quantities sold in the aggregate by many well-known established seed companies.

For example: A circular under date of Dec. 24, distributed by the U. S. Dept. of Agriculture, states that for delivery, Dec. 31, 1911, it wants certain enumerated garden seeds, the circular asking for bids to furnish the same. A casual reader might observe that if the Department asks the seed merchants of the country to furnish the seeds, the seed merchants will, after all, be getting the business, but it must be remembered that the department does not purchase anything except below what may be termed rock-bottom prices. Among the sixty-four varieties of seeds asked for there are especially noticeable, because of the large quantities required, the following:

3,300 lbs. Kohl Rabi.	20,000 lbs. Carrot.
6,600 lbs. Endive.	22,200 lbs. Cantaloupe.
10,000 lbs. Tomato.	28,600 lbs. Beet.
17,800 lbs. Parsley.	78,100 lbs. Lettuce.
18,700 lbs. Watermelon.	142,900 lbs. Radish.

Is there not some legal course which might be presented to the courts, by which this governmental competition with a reputable line of business can be stopped, some legislation which will enjoin a continuance of this Congressional free seed burlesque?—farcical because it cannot be claimed to be done with any desire to advance agriculture.

To everyone familiar with the subject, this free distribution of sixty million packets of seed is nothing but a contemptible form of graft. Such a crime would not be attempted against any one of the interests of the great trusts for the reason that the members of Congress well know they would lose their seats.

BURNET LANDRETH.

Obituary

W. C. Hill

The well known florist and nurseryman, W. C. Hill, proprietor of Hillsville Nursery, one mile west of Jefferson, Tex., died on Dec. 16 after a lingering sickness of nearly two months from a painful abscess on the left hand and other complications. Mr. Hill had been in the nursery business at Jefferson for about thirty-five years. He was a good citizen and a devout Christian and true prohibitionist. He leaves a wife, son, and two married daughters.

Indianapolis

Review of Christmas Trade

A smile on the faces of those connected with the flower business in Indianapolis shows more clearly than words the satisfaction obtained from the holiday trade. Business was not so very much heavier than last year, but there seemed to be much satisfaction in supplying the wants of the public who were ready to buy and to pay fair prices for flowers and plants.

The two weeks preceding the holidays were not any too good and the rush was delayed more than ever. It was not until Dec. 23 that the volume was perceptibly increased. From that time on until the evening of the 25th there was one grand rush which kept every one doing his or her utmost. Orders, ranging from $20 to $50 were conspicuous by their absence, but the large number of orders showed more clearly the prosperity abroad. Everybody wanted flowers, not large quantities of them, but just a few choice ones, and they were willing to pay the price without comment.

Flat pots containing Ferns, Poinsettias, Begonias, Hyacinths, Lily of the Valley and Primulas were fine sellers. Specimen plants of Ericas, Cyclamen, Azaleas, Primroses and Ardisias sold better than in any previous year. Lorraine Begonias did not fare so well; the public understand their keeping qualities. Prices for plants and baskets were a trifle higher than during previous years. The gratification of it all lies in the fact that the public expects higher prices at Christmas time and is willing to do with fewer flowers if they are choice ones.

There is a brighter outlook for berried plants such as Jerusalem Cherries; they sold nicely this year, especially in well rounded plants with the fruit on top. They will, undoubtedly, do better next season. Ardisias, heretofore, were practically unsalable because of their high price, but they seemed to move well and more will be on hand next season. Expensive Fern dishes and other accessories are not liked so well as plant arrangements in which the flowers and plants themselves prevailed, and which are not increased in price by the first mentioned article. Not so many ribbons were in evidence. There were so many beautiful plants, baskets, wall-pockets, and other flower arrangements that the ribbon was not even needed. A fine selling novelty consisted of red candles, from eight inches to three feet in length, placed in variously shaped dishes and finished at the base with Boxwood, red berries and ribbon. Over one hundred of them were disposed of by one retailer in a day.

Quite a few calls were had for small Christmas trees with roots. The sentiment therein lying in the fact that the tree may be planted afterward for the youngsters, who may watch its yearly growth.

There were more potted Lilies this Christmas. They looked pretty in stately arrangements when combined with the red Poinsettias and foliage plants. Lilacs were on hand early and sold well at $3.50 to $5 each. Bulbous stock has seemingly reached its own again in the plant line, as numerous flats of Roman Hyacinths, Paperwhite Narcissus and Lily of the Valley were sold. Prices ranged from $1 to $3 each.

Nominally, no cut flowers were left on the hands of any one after Christmas, and prices obtained were from five to ten per cent. better than last season. Carnations wholesaled at $5 to $10 per 100 and retailed at $1 to $3 per doz.; a majority of them brought the $1.50 to $2 figure. Yellow Narcissus was a nice feature at $4 per 100 and $1 per doz. retail. Eastern Violets arrived in good shape and sold readily at $4 per 100 in the stores, extra being charged for accessories. Nice home grown Violets were second choice at $2 to $3 per 100. Absolutely no pickled stock was received in the Rose line, and quoted wholesale prices prevailed. Killarney, My Maryland and Bridesmaid realized the growers from $10 to $20 per 100; Richmond, $30 per 100. Am. Beauty were seemingly cheaper than in former years, and telegrams were received up to Saturday quoting the long grade at $8 to $9 per doz. Retail prices ranged from $4 to $20 per doz. Bride Roses and White Killarney were naturally more plentiful than other colors at $10 to $15 per 100. Shopmen's prices for Tea Roses ranged from $1.50 to $6 per doz. Lily of the Valley retailed well at $1 per doz. The Gardenias received from Eastern markets were in good order at $30 to $40 per 100. Not a great many are used in this section when the price is necessarily 75c. to $1.25 each. Poinsettias still retain their popularity as the Yuletide flower. There is nothing with which to replace their large beautiful red bracts and probably will not be for time to come. Retail prices ranged from $3 to $6 per doz., with a downward tendency. More Cattleyas were to be had than was anticipated at 75c. wholesale and $1.50 retail.

The green goods men report, without exception, a fine trade. Even the commission men were clear of Holly, Mistletoe and Laurel by Saturday evening. Little of this line is handled by the higher grade stores, and it is left almost entirely to the seed houses who find an indirect outlet through the many fakirs and other worthy folk earning temporarily a Christmas dollar. The current prices for Holly wreaths ranged from 25c. to $1 each; Laurel, $8 to $10 per 100, and Mistletoe, 30c. to 50c. per pound.

Constant efforts were put forth to obtain distinct novelties for the holiday period. Aside from the decorated candles and unusual hampers there was little else that will serve as a novelty for next year's trade.

The pleasant weather promoted deliveries in good order, automobiles, wagons, motorcycles, bicycles, street cars and humbler methods of service helped the flower loving public to obtain hundreds of flower presents in quick order. I. B.

Hartford, Conn.

Well! We are looking forward to another Christmas as good as the last. We were just a little lucky this year, having two days holiday, which does not happen very often. Every one was satisfied, for a wonder. The plant trade this year was about double that of last. Cut flowers of all kinds were in great demand and brought good prices; Roses, second quality, from $1.50 to $3; Killarney, Kaiserin, and Richmond, $3 to $10 doz.; American Beauty, $18 to $20 doz.; Plant baskets, $3 to $20, which is doing very well for Hartford, for we have some queer people here, who hate to give up the coin, but will go to New York City and help some of our brother florists there to pay rent, and don't kick. Hartford being between two large cities, New York and Boston, is weak on the flower job and can show things. Although our city is one of the richest in the State, and has a mixed population, the people don't always "loosen up," only when we can show them something for their money, and the growers certainly did themselves proud this time. Azaleas sold for $2 to $10 at Ed. Welch's, his own growing. Crotons brought $1 to $3; Boston Ferns, 75c. to $5; Primulas, 25c. to 50c. Prices ranged about the same with all the florists, and they stuck together, one not afraid of the other. Carnations and Violets were scarce and brought good prices; Enchantress, $1.50 to $3; Lawson, Winsor, W. Perfection and Harlowarden, $3; red Victory, $3 doz.; Violets, $2 per 100.

W. H. Atkins, of Burnside, did not cut as many Carnations as last year, having had trouble with cut worms; his plants are small as a result; he ought to have cut 5,000 for Christmas, but he only cut 1,000, which was too bad, as he grows very fine flowers. This year he is growing Rose Pink Enchantress, White Enchantress, White Perfection, Victory, and Harlowarden. He has finished the new propagating house, 12x125 ft., and is having installed a new Winchester boiler. His Sweet Peas are about a month late; he had 150 hills altogether, and by the looks of things he ought to be able to build another house on the proceeds of these Sweet Peas, for they will go some. Next year he will attend strictly to Carnations and Sweet Peas, and we know he will make good, as he has lots of sand both in himself and on his land.

Christmas wreaths and roping went fine; everyhody was sold out. Our friends from the "Farm" got it in the neck. Bless them! I hope they will not try it again, but give the "poor florist" a chance to use his muscle.

G. W. McClunie, 16 Church st., put out a very pretty novelty which I think would be a good thing to remember for another season—a red Immortelle wreath, trimmed with sprigs of Fir, making a beautiful effect and original. Bill is original in all his work, and one of the best designers we have. Originality makes a good florist and maker up. How many of our brothers do not copy the ideas of others.

Joe Curtin only broke five pots, which I believe is quite a record for Joe. He is the champion delivery man in the business, and has more life in him than most men.

A Happy and a prosperous New Year to all. MAC.



New Delivery Auto of Samuel Feast & Sons

See Baltimore News Letter, page 1233

Brooklyn, N. Y.

We are pleased to say that the Christmas trade this year met very successfully with our views on the plant sales. The cut flower end suffered materially on account of the rainy Christmas Saturday. All plants were disposed of at a very profitable figure and our fancy baskets were a great success; there seems to be a greater demand each year for this line of stock. We also had a large quantity of very small novelties which took fairly well and sold for a good profit. Roses and Carnations, together with the Violet for corsage purposes, sold the best in the cut flower end and would have been larger had the weather held over. With best wishes to the trade and your valuable paper. JOHN V. PHILLIPS.

Lockport, N. Y.

The Christmas trade here was about as heavy as usual. The demand for cut flowers was great and the stock scarce. Red Carnations were very much in demand and brought from 75c. to $1.25 a doz. The other varieties sold equally as well, as also did Roses, Violets, etc. However, red Carnations were the most desired, being sold at a moderate price, and the color significant of the holiday season. In pot plants, Poinsettias sold well as usual, with Begonia Lorraine following in favor. A good supply of the latter was on hand and a large amount disposed of.

Baskets in this vicinity were not in demand, being beyond the reach of the majority; however, a number of small ones were sold as well as the small Christmas novelties. Statice and Immortelles sold well.

Charles Dole has recently opened a retail store here, the first of its kind in Lockport; it is most attractive and he has met with success, so far, which should continue as there is no competition; he has a full, uptodate stock. I wish the trade and The Florists' Exchange success. FRED. G. LEWIS.

St. Louis

The Christms Business.

The Christmas business in St. Louis among the florists far exceeded their expectations, and it is certainly gratifying to hear from them that they had the best Christmas trade in years. Trade was very discouraging the first part of the week in some localities, but in the latter part business came with a rush, and those who had not made advance preparations were caught shorthanded. Those doing business uptown say that it was a plant Christmas, and that everything was cleaned out early of anything that looked good. In plants, Poinsettias sold the best; Begonias and Azaleas came next. Cyclamen, too, came in for a big demand. Good bulbous plants, such as Lily of the Valley, Lilies and Hyacinths, all with fancy trimmings, sold well. Those down town say that their cut-flower business was very much better than last year. They did not handle as many plants as florists having show houses, like the West Enders.

Your correspondent has been kept indoors all week and up to the present writing, but telephone calls revealed the fact that we can safely say that the St. Louis florists all over the city had the best Christmas trade in recent years; this includes everything they handled. The wholesale cut-flower trade was a surprise in the past week; every one predicted a scarcity and high prices, but this was not the case in St. Louis. A visit to the commission houses early Saturday found the market with plenty of everything, just as it had all the week long, and prices within reach of all; the market cleaned up early in all the good stock that came in. I did not see any pickled stock this year, and this accounts for the market being well supplied all of the week before Christmas. American Beauty Roses, long fancy, were held at 75c. each; others according to length of stem. Other Roses were most plentiful and did not go over $12 per 100 for extra fancy; $8 to $10 for next grades; $5 to $6 for shorts. All red stock was cleaned up early. California Violets had the commission men guessing; the prices went down as low as $1 per 100 in small lots and the market was over-loaded with them. Carnations had clean-up sales all over, with prices not over $6 per 100; extra fancy reds brought $8 per 100; these had one great demand and were not over-plentiful at any of the places. The supply of Roman Hyacinths and Paperwhite Narcissus was not as heavy as usual, and the stock that came in sold up well at $3 to $4 per 100. Lily of the Valley was in plenty; so were Lilies. Sweet Peas also went begging at 75c. to $1.50 per 100.

This year's market was a grand one for the local trade, as stock could be obtained at any time during the day. In greens, everything excepting bouquet green, was in plenty, particularly Holly. A great many of our florists handled Christmas trees this year and did well with them. Weather conditions were excellent for deliveries of plants.

From the above it may be seen that all St. Louis is satisfied with its 1910 Christmas.

ST. PATRICK.

Favors Received

Vaughn's 1911 Calendar for Gardeners—Issued by Vaughan's Seed Store, Chicago and New York. A Handy Guide for all who Plant, furnishes a Diary in which to keep notes, Reminders for Each Month, Kitchen Garden Seeding and Planting Table, Table of Greenhouse Operations and much other useful information. Better send for a copy so as to keep your memory refreshed.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Danker FLORIST — ALBANY, N. Y. — 40 and 42 Maiden Lane

Our Motto: "Do unto others as you wish to be done by."

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estsb. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

Penn the Florist — BOSTON, MASS. — 43 Bromfield St. — "Penn the Telegraph Florist." — Wire us and we will wire you. We cover all points in New England.

Zinn the Florist — BOSTON, MASS. — No. 1 Park St. No. 2 Beacon St.

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Wm. Phillips — Established 1874 — FLORIST — BROOKLYN, N. Y. — 217 Fulton Street — W. A. PHILLIPS, Manager — TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Wilson — BROOKLYN, NEW YORK — Fulton St. and Greene Ave.

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island.
Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence.
Telephones, Prospect 6800, 6801, 6802 and 3908.

Palmer's — BUFFALO, N. Y. — W. J. PALMER & SON — 304 MAIN STREET — Members Florists' Telegraph Association

Albert G. Fiedler & Co. — BALTIMORE MARYLAND — 902 South Charles St.





Gloire de Lorraine Begonia in mossed pot

Mossed Plant Receptacles

A pleasing plant dressing noticed at Christmas time in New York was of sheet moss, neatly affixed to pots and cheap baskets. The natural and simple effects thus obtained pleased many retailers' customers. We present herewith two examples of such dressing.

Christmas Retail Business in Chicago

The volume of Christmas business in Chicago was declared by all to have exceeded that of last year. It would seem impossible to decide as to what stock was in great-



Azalea in mossed basket

"Flowers by Telegraph"

International Floral Association

Incorporated under the Laws of the State of New York
Capital, $50,000.00

277 Broadway, New York City

Organized for prompt and efficient service to all parts of the Civilized World. Transacts business for Members only.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue

Courtesies extended to all Florists

A. Lange — CHICAGO — 44 East Madison St.

JULIUS BAER, — CINCINNATI, O. — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. J. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

THE PARK FLORAL CO. — 1706 BROADWAY — DENVER, COLORADO — J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Members Florists' Telegraph Association

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura Street

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 913 Grand Ave.

All orders given prompt and careful attention.

Jacob Schulz — LOUISVILLE, KY. — 550 South Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Wolfskill Bros. Florists — LOS ANGELES, CAL. — 216 West Fourth Street — Telegraph Orders a Specialty

Hall & Robinson — MONTREAL, CANADA — 825 St. Catherine St., West

We grow the bulk of our stock, and all orders are filled under the personal supervision of the proprietors.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Arthur Dummett Co. — MOUNT VERNON AND WHITE PLAINS, NEW YORK STATE

J. N. Champion & Co — NEW HAVEN, CONN. 1026 Chapel Street, Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

M. A. Bowe — IN HEART OF NEW YORK CITY, 1294 Broadway, Phone 2270 Murray Hill
Our Motto—THE GOLDEN RULE

Myer — NEW YORK, 609-611 Madison Avenue
Choicest cut flowers and designs for all occasions. Steamer and Theatre flowers a specialty. Wire me your orders

A. J. Bunyard — NEW YORK, 413 Madison Avenue
FLORAL CO. Flowers for every occasion, delivered promptly and exactly as ordered. We guarantee satisfaction.

Young & Nugent — NEW YORK, 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Alex McConnell — NEW YORK, 571 Fifth Avenue

Charles Henry Fox
The Sign of the Rose
Broad St. below Walnut
Philadelphia.
We deliver to all suburbs of Philadelphia, Atlantic City and all New Jersey resorts.

T. J. Johnston & Co. Florists — PROVIDENCE, R. I. 171 Weybosset St.

J. B. Keller Sons — ROCHESTER, N. Y. 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester and surrounding territory. A first-class line of seasonable flowers always on hand.

Julius Eppstein — SAN FRANCISCO, CALIFORNIA
The California Florist 344-346 GEARY ST. and HOTEL ST. FRANCIS
Out-of-town orders will receive prompt and careful attention. We cover all California. Wire us your orders.

Clark Florist — SCRANTON, PA. 122 and 124 Washington Ave.
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. 20-22-24 West Fifth Street
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire or phone. We are alive night and day.

W. E. Day Co. — SYRACUSE, N. Y. Onondaga Hotel
We will carefully execute Orders for Syracuse and Vicinity.

Blackistone — WASHINGTON, D. C. 14th and H Streets, Also 1601 Madison Ave. BALTIMORE, MD.
J. Dan Blackistone

WASHINGTON, D. C.
Gude Bros Co.
Florists
1214 F. Street, N. W.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

est demand, as all retailers disposed of both cut flowers and plant stock, and the growers of plants were cleaned out of all stock that was at all fit for sale. American Beauty Roses were, perhaps, leaders, and could be bought so that the dealer could supply all that was wanted at a price satisfactory to the closest buyer, specials at $8 to $12 per doz., and other grades, $3 to $6. Carnations were also favored.

In pot plants the greatest demand was for Azaleas and Begonias, although nothing in any line was left over.

There was nothing particularly new in baskets in plant or flower lines, but as a novelty in basket arrangements the artificial stock appears to be fast creeping into favor—that is, the preserved stock. The use of this was never attempted before by downtown florists, but was quite universal this season, a basket consisting of a few Poinsettias (artificial) and prepared Adiantum of different shades, artistically arranged, brought prices that would put a natural plant on the side. It has seemed to the retailers that when at Christmas the prices of plants and flowers are high, resorting to the use of artificial flowers is quite legitimate. The retailers have taken to the Red Ruscus as a trimming and for decorations. One retailer says that it is not the individual spray that is effective, but a few sprays arranged in a basket that gives a catchy effect.

Retailers who made balls of Boxwood and baskets of Holly, red berries and Statice combined state that for a pre-holiday sale the baskets will become more in favor each year.

Rose Melody

Melody, the new Irish forcing Rose being introduced this year by Robert Scott & Son, Sharon Hill, Pa., has taken well with the trade, and many of our larger growers, among them A. N. Pierson, Inc., Cromwell, Conn., have arranged to add the variety to their lists of Roses. It is seen daily in the New York cut flower market, and is fast becoming a favorite in its class. It is an excellent keeper and shipper, and embodies all the requirements expected in a commercial Rose. The variety was raised as a seedling by Alexander Dickson & Sons, Newtownards, Ireland, and is the fourth Rose that firm has given to the trade for Winter forcing, its predecessors being Killarney, Liberty and Mrs. Jardine.

As will be seen from our photograph, which is of flowers picked up in New York, Melody produces flowers of perfect form, quite double, and rich glossy foliage. The color is a beautiful yellow, shading toward the center to deep apricot yellow. The plants are characterized by a strong, willowy growth, quite unlike any other forcing variety, and produce large quantities of flowers in Winter, when good crops are most desirable. The S. S. Pennock-Meehan Co., and Henry A. Dreer, Inc., both of Philadelphia, are assisting in the dissemination of the variety.

Littlefield Florist. WORCESTER, MASS. 407 & 409 Main St.

For "Supply" Advertisements see pages 1220-21

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Mesaba	Dec. 31	9.00 am.	W. 16th St., N. Y.	London
St. Louis	" 31	10.00 am.	W. 23rd St., N. Y.	Southampton
Celtic	" 31	10.00 am.	W. 19th St., N. Y.	Liverpool
Geo. Washington	Jan. 3	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 3	10.00 am.	5th St., Hoboken	Rotterdam
Campania	" 4	10.00 am.	W. 14th St., N. Y.	Liverpool
Krooaland	" 4	10.00 am.	W. 18th St., N. Y.	Antwerp
Laura	" 4	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
La Lorraine	" 5	10.00 am.	W. 15th St., N. Y	Havre
Amerika	" 5	11.00 am.	1st St., Hoboken	Hamburg
Cincinnati	" 5	12.00 m.	1st St., Hoboken	Gib-Algiers Naples-Genoa
Germania	" 5	3.00 pm.	31st St., Bklyn	Naples Rotterdam
Campanello	" 5			
Montserrat	" 5		Pier 8 East River	Cadiz-Barcel'a
Oceanic	" 7	10.00 am.	W. 21st St., N. Y.	Southampton
Minnewaska	" 7	10.30 am.	W. 16th St., N. Y.	London
Berlin	" 7	11.00 am.	3rd St., Hoboken	Naples-Genoa
Furnessia	" 7	12.00 m.	W. 24th St., N. Y.	Glasgow
Carmania	" 7	12.00 m.	W. 14th St., N. Y.	Gib-Alg-Genoa Nap-Alex-Fme
Caroline	" 7	3.00 pm.	N. Y.	Havre
Kursk	" 7	12.00 m.	Bush Dks. Bklyn	Libau
Finland	" 11	10.00 am.	W. 18th St., N. Y.	Antwerp
St. Paul	" 11	10.00 am.	W. 23rd St., N. Y.	Southampton
Oceanic	" 11	1.00 pm.	Bush Dks. Bklyn	Nap-Pal-Tr'ste
Cedric	" 11	3.00 pm.	W. 21st St., N. Y.	Az'r's-Gib-Gen Napl-Alex'dra
Patris	" 11		Pier 33, Bklyn	Malta-Piraeus Calam-Patras
Pres. Lincoln	" 12	9.00 am.	1st St., Hoboken	Hamburg
La Savoie	" 12	10.00 am.	W. 15th St., N. Y.	Havre
Fred. der Grosse	" 14	10.00 am.	3rd St., Hoboken	Bremen
Minneapolis	" 14	10.00 am.	W. 16th St., N. Y.	London
Megantic	" 14	11.00 am	W. 19th St., N. Y.	Liverpool
Kroopr. Wilhelm	" 17	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 17	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 18	9.00 am.	W. 14th St., N. Y	Liverpool
Lapland	" 18	10.00 am.	W. 18th St., N. Y	Antwerp
Alice	" 18	1.00 pm.	Bush Dks. Bklyn	Nap-Pat-Tr'ste
Sant' Anna	" 18	3.00 pm.	33rd St., Bklyn	Naples-Mars.
Batavia	" 19	9.00 am.	1st St., Hoboken	Hamburg
La Provence	" 19	10.00 am.	W. 15th St., N. Y.	Havre
Uranium	" 19			Rotterdam
Adriatic	" 21	10.00 am.	W. 21st St., N. Y.	Southampton
Minnehaha	" 21	10.30 am.	W. 16th St., N. Y.	London
Koenigin Luise	" 21	11.00 am	3rd St., Hoboken	Alg-Nap-Geno
Caronia	" 21	12.00 m.	W. 14th St., N. Y.	Gib-Alg-Genoa Nap-Alex-Fme
Duca d' Aosta	" 21	1.00 pm.	W. 34th St., N. Y.	Naples-Genoa
Columbia	" 21	1.00 pm.	W. 24th St., N. Y.	Glasgow
Niagara	" 21	3.00 pm.	N. Y.	Havre
Birma	" 21	12.00 m.	Bush Dks, Bklyn	Rot'd'm-Libau
From Boston				
Lancastrian	Jan. 4		B&A Dks, E. Bos.	Liverpool
Lake Erie	" 6	1.00 pm.	Mystic Whf. Char	Glasgow
Winifredian	" 11		B& M Dks, Char	Liverpool
Georgian	" 13		B&A Dks, E. Bos.	London
Ivernia	" 17		B&A Dks. E. Bos.	Liverpool
Philadelphia				
Friesland	Dec. 31	10.00 am.	53 So. Wharves	Liverpool
Manitou	Jan. 6	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 7		24 So. Wharves	Glasgow
Prinz Oskar	" 11		Allegheny Ave,	Hamburg
Marquette	" 20	10.00 am.	55 So. Wharves	Antwerp
Haverford	" 21	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 21		24 No. Wharves	Glasgow
San Francisco				
Mongolian	Jan. 7	1.00 pm.	1st Street	Honolulu
America Maru	" 12	1.00 pm.	1st Street	Japan
Tenyo Maru	" 18	1.00 pm.	1st Street	China

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DeLaMare Pto. & Pub. Co., 2 Duane St., N. Y.



Rose Melody, One of the New Market Favorites

Reliable Supplies for both Wholesale and Retail Florists

ADVERTISEMENT OF

The Pine Tree Silk Mills Company

UNTIL MARCH (when Lent begins) you will sell flowers for dinners and dances, luncheons and weddings and other affairs.

Do not let your stock of **Ribbons** get low. If you are using any particular ribbon which you like, send us a small sample. Probably we weave it, and you will be surprised at our prices. You will be surprised at all the prices of our ribbons.

But then—Consider that you buy direct from the Manufacturer and save all between profits.

The Pine Tree Silk Mills Co.

PHILADELPHIA, PA.
806-808-810 Arch Street
52-54 North Eighth Street

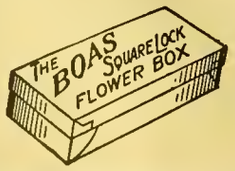
Send for samples today. All qualities. All widths. All kinds. All grades.

Please mention the Exchange when writing.

To the Purveyors of the Sweets of Nature"

We Recommend

USED BY THE LEADING FLORISTS



MADE IN VARIOUS SIZES

Write for Samples and Prices

William J. Boas & Co.
1042 Ridge Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

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50 lb. Case Extra Fine Smilax

$1.75 Per Case

Quality guaranteed. When in need of extra good Smilax in any quantity, write or wire.

HENRY M. ROBINSON & CO., Nadawah, Ala.

You can rest assured that all orders placed with us will be filled to your entire satisfaction. Unknown customers, satisfactory references or C. O. D.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices

WRITE US

C. C. Pollworth Co.
MILWAUKEE, WIS.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS $1.00 per 1000

GALAX, bronze or green, 75c. per 1000.

CROWL FERN CO

Telegraph office; New Salem, Mass. L. D. Phone Connection.

After Nov. 10th write for sample lot of **BOXWOOD** in 100-lb. lots for $12.00 only. A few 100 lbs. to be sold at this price. First come, first served. Remember, none until Nov. 10th at $12.00 per 100 lbs.

SPHAGNUM MOSS, 12 barrel bales, $4.00. Try a barrel.

Use our **LAUREL FESTOONING** for decorations, 4c., 5c. and 6c. per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

SMILAX. Order our Special 50-lb. cases of Smilax for your Christmas Trade; only $5.00, and it's fine quality, too.

LAUREL WREATHS, $2.00 to $3.00 per doz.

PINE WREATHS, $1.50 to $3.00 per doz. Try a few of our Pine Wreaths at $1.50 per doz. They are bargains. First come, first served.

10,000 lbs. **BOXWOOD,** $15.00 per 100 lbs.

Get our **PARTRIDGE BERRIES** now. They are fine ones, 10c. per bunch. Special price on large lots of 500 bunches.

CROWL FERN CO., Millington, Mass.

Please mention the Exchange when writing.

The Kervan Co.

113 West 28th St. NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches. Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc.,

All Decorating Material in Season.

Please mention the Exchange when writing

REED & KELLER

122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Krick's Letters THE BEST.

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co.
167 Lake Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX

All Telegraph and Telephone Orders Given Prompt Attention

CALDWELL The Woodsman Company
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

OUR GREATEST OFFER

An opportunity to obtain an absolutely Free Membership in the Board for 1911. Open to members and non-members alike. Write for particulars.

NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK

Please mention the Exchange when writing.

GEORGE COTSONAS & CO.

127 WEST 28th STREET
NEW YORK

Greens of Every Kind and Florists' Supplies

Telephone 1202 Madison Square

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

GALAX, Green or Bronze.

Send for prices.

BRANT BROS., Inc., Utica, New York

Please mention the Exchange when writing.

GET OUR PRICES ON

GALVANIZED WIRE ROSE STAKES AND TYING WIRE

IGOE BROTHERS

Manufacturers of the Model Plant Supports fo Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

61-73 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM

GEORGE M. CARTER

EVERGREEN ALABAMA THE QUICKEST SHIPPER

Please mention the Exchange when writing.

Order of A. A. GIBBONS Red Level, Ala. **WILD SMILAX**

Place your Christmas orders now, for **Holly, Mistletoe, Palms, Pines, Magnolia Leaves,** and **Moss.**

Wire or write your wants. Satisfaction guaranteed.

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES

The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co., 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1550 losses amounting to a total of $192,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

Sheppard Fish Food

A perfectly pure article, specially prepared for feeding Gold Fish, etc., kept in Aquaria or Globes. Price 75 cents per dozen, delivered anywhere in the United States. Retails for 10 cts. per box

MANUFACTURED BY

STUMPP & WALTER CO., 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

Reliable Supplies for both Wholesale and Retail Florists

The Florists' Supply House of America

YOUR TIME CAN BE CONSUMED LOOKING YOUR STOCK OVER
SEE WHAT YOUR NEEDS ARE, AND

Begin the New Year with a New, Fresh and Standard Stock of Supplies

YOU WANT THEM
ANYTHING WHICH IS NEEDED IN FLORISTS' SUPPLIES WE CAN FURNISH

A HAPPY NEW YEAR TO ALL

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

Please mention the Exchange when writing.

Syracuse, N. Y.

Christmas Trade

The volume of Xmas trade for 1910 will not be written down as a record breaker, by any means; it was, I should judge, fairly normal. All the growers will have good cause to remember it from the fact of their coal bills being so enormously heavy owing to the long continued frost and snow as well as dull weather.

There were some peculiar features about the trade this year. Good Holly was very scarce, yet there was quite a lot left over. Cheap Holly wreaths were much in evidence on the street, but vendors seemed to have hard work making sales. Greens of all kinds were scarce, 75 per cent. more could have been disposed of if they could have been obtained.

F. H. Ebeling, the seedsman here, is the largest handler of Holly and greens; he told me he never experienced so much difficulty in obtaining good stock, the early snow and frosts in November preventing the gatherers from getting it. Xmas trees were not over-plentiful; just enough to fill the demand at good prices.

In flowering plants Lorraine Begonias led, both in supply and demand, Poinsettias following closely. Azaleas were plentiful and sold well. Ericas were a novelty here this year and sold well; I believe there is a great future for these beautiful old plants, and have often wondered why we do not see more of them, especially the pink variety Gracilis, and Caffra, the white one; they last so long in bloom, and would make ideal plants for basket work. Pans of Poinsettias and Ferns were good sellers. There was no advance in prices for pot stock.

Cut flowers were scarce, as I predicted they would be, and were higher, as follows: Roses, Richmond and Killarney, $3 to $4; Bride, Bridesmaid, etc., $1.50 to $3; Am. Beauty, $4 to $18 per doz. Carnations, red and crimson, $2; white and pink, $1 to $2 per doz. Orchids, $12. Valley, $1. Romans and Paperwhites, 75c. to $1. Violets, single and double, $3 per 100. Roses had the call, Am. Beauty being in good demand. Red Carnations were much sought for, but the supply was very limited. Violets sold well.

Christmas Showing Among Trade

As usual, P. R. Quinlan made a grand show in his 150-foot house in the rear of his Salina st. store, which was filled with the best lot of plants I have ever seen him display, all well grown, healthy stock. B. Gloire de Lorraine was in splendid shape and in great abundance as well. Poinsettias, Azaleas, Cyclamen and Primroses, some remarkably well-flowered Ericas and Camellias were an attraction and sold well. It is a great pleasure to some of us "has-beens" to see the good old plants coming into favor again. Pans with Poinsettias and Ferns were very attractive, and found a ready sale, quite a number of well filled baskets, varying from $5 to $10 each, were sold.

H. Morris made a great display of Lorraine Begonias and Poinsettias. He has great success with his Gardenias, and contemplates building a house especially for them next year.

W. E. Day Co., in their new store which, by the way, is a very handsome one, made a nice showing of all seasonable stock; here, too, Lorraines were much in evidence. Their Xmas trade surpassed their expectations.

W. McNeilly & Son were, as usual, fortunate in having a good crop of Violets; their large block of Lorraines was remarkably good, as were a goodly lot of Cypripedium insigne.

Bellamy Bros. have completed their new propagating house and hope now they will be able to give more attention to Carnations and, in the near future, to have something good to offer in the way of a seedling.

G. Bartholomi's new show house was most attractive with a splendid lot of plants, hard to beat. His Poinsettias were the best I have seen; he had large blocks of Cyclamen, Primulas, Ardisias, Paperwhites, Azaleas. I saw there my old favorite, Bagonia incarnata, a plant in a 10-in. pot; it was a sight worth looking at, and I wish very much I had a photograph of it to send you; it would be an eye-opener to some of the younger members of the craft.

Mathew T. Keenan, who has assumed the management of P. R. Quinlan's So. Salina st. store, has had a long experience in the trade, both in Boston and New York and is thoroughly uptodate.

L. S. Baker suffered a severe loss by fire at his greenhouses on Pleasant ave. the week before Xmas; an over-heated smokestack, during a cold snap, is supposed to be the cause; the boiler house and one greenhouse were burned down, and the contents of the other ruined.

H. Y.



Front View of Store of A. Washburn & Sons, Main St., Bloomington, Ill.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having the answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By German florist, single, 31 years old; good grower of general stock; 16 years' experience. Steady position expected. Address C. Lins, 422 East 9th st., New York City.

SITUATION WANTED—By florist experienced in growing 'Mums, Carnations, Christmas, Easter and bedding stock. Good references from last and former employers. Abstainer. Address W. B., care The Florists' Exchange.

SITUATION WANTED—For sober man, taking charge of retail place, or assistant. Over fifteen years' all-around experience in Roses, Carnations, bedding stock, etc. Good potter and propagator. State wages. Address "Florist," 180 Grand st., Jersey City, N. J.

SITUATION WANTED—By practical middle-aged, all-around florist; life experience in growing Roses, Carnations, Violets, 'Mums and pot plants. Advertiser is single, sober and industrious. State wages. Address A. G., florist, Progress Hotel, 12 Chatham Square, New York City.

SITUATION WANTED

By all-around florist with experience in Europe and this country. Advertiser would also like to go in partnership. Address

FRANK TAUSER. Route 2 R. F. D. **Annapolis, Md.**

SITUATION WANTED.

As assistant in a commercial place, by a young man, 23, with eight years' experience in Ferns, Roses, Carnations, 'Mums and general branches of horticulture. Advertiser is a willing worker and would like a position where there is opportunity to advance himself.
Address W. D., care The Florists' Exchange.

SITUATION WANTED—By young married man, 29, temperate, with 12 years' experience in Carnations, Roses, 'Mums, etc.; also some knowledge of designing. Advertiser desires connection with some firm where ability is needed; capable of assuming charge. Good references. Eastern vicinity preferred. Address, stating particulars and wages paid, W. C., care The Florists' Exchange.

HELP WANTED

WANTED—Solicitors for forestry and landscape work. Excellent chance. Salary and commission. Address Box 97, Jersey City, N. J.

WANTED—Good Carnation Grower. Must have had experience. Address, stating references and salary expected, U. H., care The Florists' Exchange.

WANTED—SALESMAN, thoroughly experienced, energetic and reliable, who is able to sell. An excellent chance for a hustler. Address, W. G., care The Florists' Exchange.

FOREMAN WANTED.

For large Rose establishment. Good salary, permanent position. All communications confidential. Give full particulars and salary expected. Address V. B., care The Florists' Exchange.

WANTED—An assistant with experience in growing Roses, Carnations, 'Mums and such other stock as is generally grown on a retail place of 12,000 feet of glass; must be sober, industrious and honest; references. Permanent position to right party. State wages. Address W. F., care The Florists' Exchange.

WANTED

To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade.. Address SOUTHWORTH BROS., Beverly, Mass.

Continued to Next Column

HELP WANTED

WANTED—Florist, salesman and high-class maker-up; a man with thorough experience and the best of recommendation can find employment with a high-class New York florist; wages to start, $25.00 per week. Address, W. H., care The Florists' Exchange.

WANTED—Solicitors or Salesmen to obtain signatures to petitions asking Congress to enact a Parcels Post Law. Experienced parties furnishing proper references make good pay. Address Postal Progress League, 125 East 23rd Street, New York.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUM STOCK PLANTS of White Helen Frick, $2.00 per doz.; $15.00 per 100. Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS.—White: Early Snow, Polly Rose, G. S. Kalb, Touset, Poehlmann, Ivory, White Cloud, Eaton, Baby Marguerite. Pink: Pacific Supreme, Rosiere, Shaw, Gloria, Liger, Duckham, Dean, etc. Red: Shrimpton and Cullingfordii. Yellow: Golden Glow, Monrovia, Geo. Pitcher, Eaton, Appleton, Golden Eagle, Golden Wedding, Nagoya, Rieman, etc. 50c. per doz.; $4.00 per 100. President Taft, Golden King, Mrs. Kelley, Golden Dome, 75c. per doz.; $6.00 per 100. Mrs. A. R. Peacock and Mrs. Wm. Wincott (Totty Novelties, 1910), $2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

MISCELLANEOUS

PELARGONIUMS—Mrs. Layal, $5.00 per 100, $40.00 per 1000. 2-in. stock Cash A. J. Winget, Mansfield, Ohio

STOCK FOR SALE—Choice Orchid Plants. DE LONG, Cristobal, Panama.

FERNS—Boston, Whitmani, Scottii and Piersoni, 6 in. pots or pans, 25c. each; Whitmani, 7 in. pots, 50c. each; Magnifica, 5 in. pots, 35c. each, 6 in. pots, 50c. each. Cash. Queen City Floral Co., Manchester, N. H.

LOBELIA KATHLEEN MALLARD

The new double Lobelia, big, well-rooted cuttings, transplanted into soil, 75c. per 100 by mail; $5.00 per 1000 by express. S. A. Pinkstone, 206 Court Street, Utica, N. Y.

GERANIUMS—S. A. Nutt, strong, healthy plants out of 2½ inch pots, $3.00 per 100, $25.00 per 1000. Rose Geraniums, 2½ inch pots, $3.00 per 100. Rooted cuttings of S. A. Nutt, $1.75 per 100, $15.00 per 1000. Cash required from parties unknown. Wm. A. Dawson, Willimantic, Conn.

AMPELOPSIS VEITCHII—Field grown, 2 year, transplanted stock, selected, No. 1, 2½ to 4 ft., strong tops, $6.00 per 100; $50.00 per 1000. No. 2, fine plants, 2 to 3 ft. tops, $4.00 per 100; $30.00 per 1000. Strong 1-year-old, 2 to 3 ft., $3.00 per 100; $25.00 per 1000. 50 1-year-old, by mail, postpaid, for $2.00. Cash please. No charge for packing. Chas. Black, Hightstown, N. J.

BEGONIA Lorraine and Agatha—2½ in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500. Box Trees, all sizes. Ask for special list. Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA, the true forcing variety, 2 year nursery grown plants, branched, 15 to 20 in., $10.00 per 100; the same, 8 to 12 in., $6.00 per 100. Gladioli America, Alice Carey, King Humbert and other choice named varieties, in all sizes. Vinca Minor (Trailing Periwinkle), a hardy evergreen vine with bright green foliage, strong transplanted plants, $3.00 per 100; $25.00 per 1000. E. Y. Teas & Son, Centerville, Ind.

STOCK WANTED

WANTED—2000 to 4000 unrooted White Perfection Carnation Cuttings. Terry & Biggs, Sayville, L. I., N. Y.

WANTED—5,000 Enchantress and 5,000 White Perfection, unrooted Carnation Cuttings. J. Niel Jakobsen, Springfield, N. J.

WANTED—200 Magna Charta Roses, 2 or 3 years old; must be large and strong.
C. H. Campbell,
3601 Germantown Ave.,
Philadelphia, Pa.

WANTED—5,000 transplanted Winter Beauty, Lorillard or Comet Tomato Plants. State price per 1000. Also 25,000 one year old Amwor River Privet, 15,000 one year old California Privet. Nurserymen will oblige by sending us their price lists of Roses and flowering shrubs, Peonies, etc., for cut flower purposes. Fox-Hall Farm, Norfolk, Va., R. F. D. No. 2.

FOR SALE OR RENT

FOR SALE—A first-class commercial place, well stocked, doing a good business; house of ten rooms, all improvements in house; near New York City. Good reason for selling. Address W. E., care The Florists' Exchange.

FOR SALE—$4000 will purchase a good paying florist's business, including dwelling, barn, 3 greenhouses, with hot water heat, lot 90x330, all equipment, stock, furnishings, and a sales store in the business section included. Everything in good condition. Write for full information. Whitaker & Lovejoy, Fulton, N. Y.

A Good Proposition

An interest in a Live Kentucky Establishment, doing a fine Catalog and Nursery Business of long standing. May be purchased by a Strictly Live Man, who may take charge of Greenhouses and Grounds.

For particulars address **KENTUCKY,**
Care The Florists' Exchange

FOR SALE—Old established retail flower store, located in one of the best centers in Philadelphia, uptown, doing a good business. Good name and reputation; best of reasons for selling. Splendid opportunity for right party. For particulars address V. F., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—Covered automobile delivery wagon. For photo and full particulars write to
H. F. Littlefield,
Worcester, Mass.

FOR SALE—Two weathered sectional boilers, capacity 2,600 ft.; 4 in. pipe, complete in every way. Price $100.00 each. W. H. Lutton, West Side Ave. Station, C. R. R. of N. J., Jersey City, N. J.

AUTOMOBILISTS, ATTENTION — Fur-lined coat, never worn, lined throughout with the best Australian Mink, with magnificent Persian Lamb collar, will sell for $36; cost $175. Also pair of Cinnamon Bear robes, $30; cost $160. Write W. Scott, 123 East 27th St., New York.

FOR SALE—20 greenhouses, each 200 feet long, complete or in single lots; 3000 feet 4-in. Hitchings cast-iron pipe, 10c. per foot; 20 No. 16 and No. 17 and 2 No. 57 Hitchings sectional boilers; 4000 feet ventilating apparatus, 15c. per foot; 3000 boxes of glass, 10x12, $1.50; 10x14, $1.65 per box (50 square feet). Inquire Weir's Sons Greenhouses, 5th Ave. & Senator St., Brooklyn, N. Y., or address for particulars, P. O. Box 293, Newark, N. J.

FOR SALE—One new 5-section Metropolitan water boiler, guaranteed to heat 4,000 eq. ft. of glass, $100.00.
One new 6-section, guaranteed to heat 5,000 sq. ft. of glass, $118.00.
One new 19-in. round boiler (water) guaranteed to heat 1,500 sq. ft. of glass, $43.00.
One new 25-in. round water boiler, guaranteed to heat 3,000 eq. ft. of glass, $83.00.
1600 ft. brand new standard commercial black steam pipe at 8c. per ft., all threaded and coupled.
New 10x12 double-thick glass at $1.90 per box; 16x12 double-thick glass at $2.40 per box.
New ventilating apparatus at $23.00 per 100 ft., complete.
METROPOLITAN MATERIAL CO.,
1400 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, "Cash," care Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address L. I., care The Florists' Exchange.

WANTED TO BUY—Or lease, a small greenhouse or nursery establishment, five to twenty acres, within one hundred miles of New York. Address W. A., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, 20,000 to 30,000 feet of glass and some land on retail place. Wanted to take possession on April 1st or later on. Address Y. C., care The Florists' Exchange.

WANTED TO BUY—Floral store by January first, or lease greenhouses with privilege of buying. Would run place on shares. For full particulars, address "Retailer," 180 Grand st., Jersey City, N. J.

CAN'T FIND THAT STOCK WANTED

Dealers should not forget that a One Dollar advt. in our Want Columns will invariably bring them offers of any stocks or material that is obtainable. Quite often a dollar spent in this way repays itself very many times over. Try it next time you can't find advertised in these columns just what you want.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾-in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 260 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft. 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

HOT-BED MATS All sizes, new burlap. Also second-hand made of straw, wood frame, 4x6 ft. at 50c. each.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

PIPE Second-Hand FOR SALE

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft., and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
Please mention the Exchange when writing.

Florists Nurserymen—Seedsmen

If you wish to illustrate your next Catalogue or Price List, and are looking for a good proposition along this line; it will pay you to write

NATHAN R. GRAVES, 413-414 Hayward Bldg **Rochester, N. Y.**
Please mention the Exchange when writing.

HOLLY GIFT CARDS

Any name, printed, 20c. dozen. **MONOGRAM XMAS STATIONERY,** three initials, if wanted, 50c. box. General printing. Samples free.

FRED. A. SOTTER, Douglassville, Pa Box 86L
Please mention the Exchange when writing.

PLANT PRESERVATIVES

Keep your ferns six months without cold storage; flowers, 20 to 30 days, at practically no cost. Formula and complete instructions on receipt of $1.00. Barton, 415 Columbus ave., New Haven, Conn.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

Albany, N. Y.

Albany was in line for Christmas with other cities in the State, making a very fine showing. Of course, the dull weather and no sunshine made home-grown plants and cut flowers a little scarce, but the florists, with the supply from out of town, had enough to go around.

H. G. Eyres, 11 North Pearl st., had a very fine display of plants such as Palms, Ferns, Magnolias, Oranges, Ardisias, Ericas and Poinsettias. His cut flowers were very choice, as also his Holly, Mistletoe and wreaths. Business was very good with him, better than it has been in previous years.

F. A. Danker, Maiden lane, reports the Christmas trade excellent. He was able to supply his many customers with any plant or cut flower in season, and he certainly did judging from the large stock of plants, both at the store and greenhouses on the Schenectady road, which were available. His show of Begonias, Gloire de Lorraine, variegated Pineapple, Orchids and Poinsettias at the store was splendid, every plant looking stocky and well grown. His cut flowers were excellent and were sent out to his customers as fast as they could be put up.

W. C. King, Steuben st., had a very fine plant display, embracing Primulas Chinensis and obconica, Marguerites, Poinsettias, Cattleyas and Ferns. His cut flowers were mostly grown at his greenhouses at 1056 Madison ave. Business with him was very good. Mr. King also has a big stock of cuttings benched for his Spring trade, due to the good work of his superintendent, Sam Goldring.

W. C. Gloeckner, State st., was also well equipped to handle the holiday trade with plants and cut flowers. He made a very nice display which included all the usual Christmas offerings.

The Rosery, 72 Maiden lane, E. Pheany and E. P. Tracy, proprietors, had a fine Christmas this year. Their showing of plants was excellent, especially their baskets and jardinières, filled with stock. Some baskets filled with Ruscus sprays, Statice and Boxwood made pretty effects.

John J. Berberick, 26 Second ave., reports this Christmas was one of the best he ever had since in business. He had a fine stock of plants of many kinds, and his Prosperine Tulips in pots made ready sellers, as also did his Paperwhites and Roman Hyacinths.

Kurth & Burke, 518 Broadway, had a very fine showing of all kinds of pot plants and cut flowers now in season. They had their share of orders and are well satisfied with the Christmas results.

Whittle Bros., 11 N. Pearl st., displayed a fine lot of pot plants and cut flowers of all kinds and did an excellent business.

Louis Menand, at his greenhouses, Rural and Cemetery aves., had all the orders he and his staff were able to turn out, his cemetery trade in the way of decorating graves and filling vases being greater than ever before and, besides, his orders for pot plants were enormous this year.

Whittle & Riggs, cor. Hudson ave. and Grand st., also did an excellent business.

Patrick Hyde, 448 Hudson ave., who improved his greenhouse establishment last Fall, was able to handle a big Christmas business in plants, bulbous stock, and cut flowers.

Louis Marx, 1054 Madison ave., has just completed his new greenhouse, and with his other houses he has a very nice start in the florist line again. His bulbs for Easter are starting well, and he has made quite a few cuttings of stock for early pot plants.

Fred. Goldring, Slingerlands, reports the demand at Christmas for cut flowers greater than he has ever experienced. The dull days were responsible for a shortage of cut flowers, but outside of that the demand was bigger than ever before. He handled a great many fine Carnations, bulbous stock of all kinds, Roses, Asparagus Sprengeri and plumosus, and sold out about all in shape to sell. He will be ready with a new supply for New Year's if the sun will only keep on shining.

J. Gillett, Watervliet, had some very choice Carnations for his many florist customers in Albany, Troy, Schenectady and surrounding towns, for Christmas, including flowers of the varieties Enchantress, pink and white Lawson, Harlowarden and Canary Bird.

Hannell of Shaker road, Watervliet, had his many greenhouses well filled with cut flowers and pot plants. Mrs. Hannell, who looks after the orders and deliveries of the products, secured a good many advance orders from our city florists, and all orders were filled in spite of the dull weather.

Henkes Bros., Watervliet, disposed of large cuts of Carnations, Roses, Paperwhites and Roman Hyacinths, all specialties with them. They also had a big trade in Palms, Ferns and other pot plants. Their stock was excellent.

Walter Emerich, Shaker road, has his greenhouse in operation and is very busy transplanting his first lot of cuttings of Spring plants. He is preparing for a good plant trade next Spring.

The next regular meeting of the Albany Florists' Club will be held at the meeting rooms, 73 State st., on Thursday, Jan. 5. All members should try to be present, as the new officers will take charge of affairs for the next term, and a full house would give them lots of encouragement to do their best to make the Club a success.

G. H. S.

Passaic, N. J.

There seemed at Christmas this year to be a general demand for every kind of cut flowers but of the best grades, Richmond Roses selling better than American Beauty. Prices obtained were as good as those of last year. $2 was the price for Beacon and Enchantress Carnations. In plants, Azaleas and Ardisias seemed to be most called for, outside of the Poinsettias arranged in pans with Asparagus plumosus. Basket arrangements were called for quite a little. One which seemed to be thought well of was a square basket, 18 in. by 24 in., made of white Birch bark and filled with Verveneana Azaleas and Cocos Palms, tied with fancy light blue ribbon. Another was a Palm (Kentia), the pot in a green braid pot cover; around the Palm, in the pot, were planted 15 plants of Dracæna terminalis; the basket had a large bow of red ribbon. Small baskets in green effects, with high handles, arranged with Ardisias and ribbon sold readily at $4.50 and $5. Trade on the whole was very good, everything cleaning up.

WM. HUNDERTMARK,
Mgr. for McAllisters.

Ottawa, Ont.

Christmas trade in Ottawa was a record one, and the weather was nearly as good. A covering of paper was all that was necessary for plants on Friday and Saturday in the day time, which greatly helped the plant trade. There was not much snow, making the sleighing a little hard, but every day of the week was fine, and walking good, and everyone turned out to buy.

Plants took a decided lead over cut flowers. There was a larger stock than in former years and the quality was first class. Azaleas, Cyclamen (which were of extra fine quality) and Jerusalem Cherries took the lead. Cyclamen sold for 75c. to $3.50; Azaleas, $1.50 to $2.50. The demand for Cherries was very large; there must have been sold between 3000 and 4000. Good Boston Ferns were all picked up, and Palms and Araucarias filled a good many orders. Dwarf Poinsettias were in fair demand, and the most of other lines were cleared up with the exception of Primula obconica, and my explanation of this is that they are on the market all the Winter and people look for a change.

In plant baskets there was a great trade, prices varying from $4 to $20, and there were some very handsome ones, favorites being large ones made of Poinsettias, Cherries, Ericas and Asparagus.

Tall irregular shaped Ericas are a most noticeable feature in baskets. Primula obconica though not a great seller as a plant, with their many shades are very effective in basket work. Gloire de Lorraine Begonias are most effective in combination work. Plant sales were easily 25 per cent. over those of any other year.

The stock of cut flowers was not large enough for the demand, and the most popular Carnations that had been coming in from outside places, especially from Boston, had gone to sleep on the way. Good Roses sold at $4 a doz. Violets and Valley were all sold out early, and everything was cleared up, a dash of funeral work using considerable. But with all little drawbacks overlooked, it was a grand holiday trade, and all are happy.

E. I. MEPSTED.

HARTFORD, CONN.—The Quality Flower Shop is the name of a retail establishment just opened at 722 Main st. Page F. Potter, an experienced designer, will be in charge.

Reliable Seeds, Sow Now

	6 tr. pkts.	Oz.	Tr. pkt.
AGERATUM, Blue Star	$1.25		$0.25
ALYSSUM, Zangen's Carpet Queen	1.25	$5.00	.25
ANTIRRHINUM, Giant Tall Double White	2.50		.50
BEGONIA, Bedding Queen, Real Pink	2.50		.50
BEGONIA, Erfordia	2.50		.50
BEGONIA, Gracilis Luminosa	2.50		.50
CENTUREA Candidissima		1.00	.20
IMPATIENS, Holstii Nana Violacea	2.50		.50
LOBELIA, Hamburgia Trailing	1.25		.25
LOBELIA, Crystal Palace Compacta		2.00	.25
LOBELIA, Emperor William		1.50	.20
MIGNONETTE, Bismark, for pots		1.00	.20
PETUNIA, Single California Giants	2.50		.50
PETUNIA, Zangen's Ruffled and Fringed Single Giants	5.00		1.00
PETUNIA, Howard's Star	1.50		.20

	6 tr. pkts.	Oz.	Tr. pkt.
PETUNIA, Snowball		$2.00	$0.20
PETUNIA, Rosy Morn		2.50	.20
SALVIA, Fireball		3.00	.50
SALVIA, King of Scarlets	$2.50	6.00	.50
SALVIA, Zurich, Best of All	2.50	8.00	.50
PHLOX, Dwarf Large Flowering, Cecily Mixed		2.50	.35
SMILAX ...per lb. $3.00		.30	.10
SMILAX, New Maidenhair, Myrtifolia, 1000 Seeds, $2.00			.50
STOCKS, Prince Bismark, white	2.50		.50
STOCKS, Pink Column		3.00	.50
STOCKS, White Column		3.00	.50
STOCKS, Lavender Column		3.00	.50
TORENIA, The Nymph	1.25		.25
VINCA ROSEA, Pink, White-Eyed, each		.60	.15
VERBENA, Mammoth, Blue, Pink, Purple, Scarlet, Striped, White, each		1.50	.25
VERBENA, Mammoth Mixed		1.25	.20

My catalogue will guide you through reliable Florists' Flower Seeds. It's free.

O. V. ZANGEN Seedsman **HoboKen, N. J.**

JOHN W. McINTYRE, 1601 Ranstead Street PHILADELPHIA, PA.

The largest headler in the country of the best

White Lilac

And **headquarters** for **Daffodils, Yellow Daisies, Sweet Peas, Voilets,** and other Seasonable Flowers

Lilac supplied in any quantity from now until end of Season.

Please mention the Exchange when writing.

GERANIUMS

S. A. Nutt, Mme. Buchner, Ricard, Castellane, Poitevine. Our selection, $18.00 per 100.

Dark Blue Heliotrope, 2½ inch, $4.00 per 100. **Cuttings,** 75 cents per 100.

Cash with order.

P. J. SCHROEDER, Greenhouses Chapin PINE BROOK, N. J.

Please mention the Exchange when writing.

Harrisburg, Pa.

Everyone appears to have been well pleased with Christmas trade. Rather contrary to expectations everything cleaned up well. No fancy prices were realized. Carnations were sold at from $1 to $2 per doz.; Roses from $3 to $5 per doz. Green goods of all kinds sold extremely well. More pot plants were disposed of than in previous years.

THE MELROSE FLORAL CO.,
Saml. Parker, Mgr.

New Haven, Conn.

All the florists I have visited report an increase of from 15 to 25 per cent. over the last year's holiday receipts. Stocks most called for in cut flowers were Roses and Carnations. In pot plants the following were most in demand, and in the order named: Azaleas, Begonia Gloire de Lorraine, Poinsettias, Cyclamen and Orange trees.

The basket trade was fine and some of the most effective were of Azaleas, Poinsettias with Ferns, Begonias and Poinsettias and Heather. Some fine hampers were made up with Cyclamen and Heather. Baskets sold all the way from $5 to $25, according to size and number of plants. Some pretty baskets were also made up of Poinsettias and Orange trees, with Ferns. There was a German novelty in baskets which met quite a demand in some places, while in others it did not seem to go well.

The demand for Boxwood wreaths was great, and offerings brought good prices. Red Ruscus was also in great demand.

Florists all report fine stock available to work with, and all are agreed that this was their best season, being pretty well cleaned out after the holiday.

F. H. W.

BOXWOOD for Window Boxes, finely shaped plants. $3.00 per doz.

CLEMATIS paniculata, strong plants, $10.00 per 100.

CLEMATIS Jackmani, Henryi and **Mme. Edouard Andre,** 2 years old, dormant plants. $3.00 per doz.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100; 3-in. pots, $5.00 per 100.

ARAUCARIA Excelsa, 5-in. pots, 3 tiers, 50c. each; 6-in. pots, 4 tiers, 75c. each.

HARDY ENGLISH IVY, 4-in. pots, $10.00 per 100.

HELIOTROPE, Dark Blue, 2½-in. pots, $3.00 per 100.

PARIS DAISIES, Yellow and White, 2½-in. pots, $3.00 per 100.

ROOTED CUTTINGS FROM SOIL, $1.00 per 100, of: HELIOTROPE Dark Blue, **VARIEGATED VINCAS, FUCHSIAS** in 4 varieties, **Hardy ENGLISH IVY, ROSE GERANIUMS, SNAP DRAGON,** White, **EUONYMUS** Radicans and Golden Variegated. **GERANIUMS, Mixed Varieties; CUPHEAS; PARLOR IVY; FEVERFEW, The Gem.**

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Landscape Gardening



PROF. CRAIG

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

The Home Correspondence School
Dept. F. E., Springfield, Mass.

Please mention the Exchange when writing.

RANDOLPH, VT.—H. M. Totman has added a large storage shed to his establishment.

ASCHMANN BROS.

FLORISTS

SECOND AND BRISTOL STS.
AND RISING SUN AVENUE

Philadelphia, Pa.

We Are Headquarters For Ferns and Araucarias

NEPHROLEPIS Bostoniensis, Scottii, Scholzeli, Whitmani and Whitmani Compacta, in 5½ inch pots, 40 and 50 cents each, 4 inch, $2.00 per dozen.

DISH FERNS, 2½ inch, $4.00 per 100, fine assortment.

ARAUCARIA EXCELSA, 5½ inch pots, 4 to 5 tiere, 50, 60 and 75 cents each, good value.

PRIMULA Obconica and Chinensis, 4 inch, $10.00 per 100.

ASPARAGUS PLUMOSUS, 4 inch, $10.00 per 100.

FICUS ELASTICA, 5½ inch pots, 35 and 40 cents each.

KENTIA BELMOREANA, 4 inch, 30 cents each.

DAISIES, Queen Alexandra, 4 inch, $8.00 per 100; 2½ and 3 inch, $5.00 per 100.

Mention if you want the pots. *Cash with order, please.*

Please mention the Exchange when writing.

Verbenas! Verbenas!! Verbenas!!!

THE GEM BEDDING PLANT

J. L. DILLON, Send for Circular **Bloomsburg, Pa.**

Please mention the Exchange when writing.

A Few Good Things You Want

HELIOTROPE, BLUE, Rooted Cuttings, $1.00 per 100.

DRACÆNA Indivisa, 4-in., $10.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C. $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C. $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each; 5-in., 35c. each.

FERNS, Boston, 5-in., 25c. each.

VINCA Variegata, 2-in., $2.00 per 100.

Cash with order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Seasonable Plants

	Per 100
DRACAENA Indivisa, field grown, 4 to 8 in. size.....$8.00, $20.00 and	$25.00
HELIOTROPE, Dark Variety, from soil, R. C.	1.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf, 5 varieties, R. C.	1.00
CINERARIA, Giant Prize Strain, 2 in.	2.00
CINERARIA Stellata, 2 in.	3.00
CYPERUS Alternifolius, 3 in.	10.00
ABUTILON Savitzii	1.50
ABUTILON, Dwarf	1.25
ROSE GERANIUMS, 2 in., fine	2.00
TRAILING LANTANA, R. C.	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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REX BEGONIAS, 2-in., $4.00 per 100; rooted cuttings, $2.00 per 100.
BOSTON FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 50c.; 8-in., 75c. each.
PIERSONI FERNS, 4-in., 10c.
SCOTTII FERNS, 2-in., 3c.; 4-in., 10c.; 5-in., 20c.; 6-in., 35c. each.
DRACAENA INDIVISA, 2-in., 2c.; 2½-in., 3c.; 3-in., 4c.; 4-in., 10c.; 5-in., 20c. each.
ASPARAGUS SPRENGERI, 6 to 10 branches, 2-in., 2c.; 3-in., 4c. each.
CINERARIAS, Dwarf, 2-in., 1½c.; 4-in., 4c. each.

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$1.50 per 100, all 2-in. stock

Feverfew, Gem, Ageratum, Salvia, Asparagus Sprengeri: Primula, Officinalis Hybrids; Hardy sweet scented Cowslip; **Primroses,** Obconica Alba, Lilac, Rubra Hybrida, Rosea, Carminea, Sanguinea; **Cuphea, Heliotrope. Rubbers,** 5-in. 25c. to close out. **Paris Daisy,** yellow and white, 2-in. 2c.

Rooted Cuttings by Mail, postage prepaid

Paris Daisy, yellow and white, $1.00 per 100; **Cuphea,** 75c. per 100. **Heliotrope,** 5 kinds, $1.00 per 100; **Alternantheras,** 3 kinds, $4.50 per 1000; **Brilliantissima,** $5.00 per 1000; **Abutilons,** $1.25 per 100. **Hardy Pinks,** 5 kinds, $1.00 per 100. **Fuchsias,** 5 kinds, $1.00 per 100; **Ageratums,** 4 kinds, 60c. per 100, $5.00 per 1000; **Coleus,** 10 kinds, 60c. per 100, $5.00 per 1000.

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BYER BROS.,
Chambersburg, Pa.

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Seasonable Plants

GERANIUMS, Beaute Poitevine, Gem, Grant, Ricard, Castellane, Viaud, S. A. Nutt, La Favorite, etc., extra fine plants, from 2½-in. pots, $2.25 per 100; $20.00 per 1000.
MARGUERITES, from 2½-in. pots, fine, stocky plants, $2.00 per 100.
CHINESE PRIMROSES, 4-in., large plants, Double and Single, Mixed Colors, in bud, $8.00 per 100.
PRIMULA OBCONICA, 4-in., Mixed Colors, in bud and bloom, $5.00 per 100. Try them.

Thousands of all kinds of Flowering and Decorating plants on hand. Orders accepted for Spring delivery, including millions of Vegetable Plants. Correspondence solicited.

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Wholesale Florist
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Best Standard Varieties Mixed

$1.25 per 100. **$10.00** per 1000

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FIELD GROWN

White and Pink Killarneys. Strong, two-year-olds, own roots and grafted, $12.00 and $15.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

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From 3-in. pots, $10.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $4.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $4.00 to $8.00 per 100.
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COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
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FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $2.00 per 100; $15.00 per 1000.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. **Splendens** and **Clara Bedman, $1.25 per 100; $10.00 per 1000.**
VERBENAS. Mammoth set, unsurpassed, $1.00 per 100, $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

The Week's Work

BY
FRITZ BAHR

Suggestions

Stock a Retail Florist often Finds Profitable

The specialist doesn't care to be bothered with a lot of side lines; with him variety doesn't count for much. The man who grows Roses isn't much interested in anything else, and it is so with the Carnation grower. With the retail grower, however, things are quite different; he has calls for all sorts of flowers, and quite frequently an order has to be filled for some small flowers such as the large grower wouldn't give room to on the benches, for if sent to the market there is usually but little demand for them. To visit the houses of a Carnation grower and find Sweet Alyssum or Forget-me-nots planted along the edge of a bench would show them to be almost out of place. Not so with the retail grower, and if not overdone the Carnations will not suffer by it. Sweet Peas planted at the supports of the purlins may create shade, and yet if the seed is sown now, so as not to get the vines too high during the short days of January, but little harm is done, and many flowers can be cut from three plants at a support; that is, if care is exercised in keeping them properly tied up. A few plants of Pansies now, lifted from the stock planted outdoors in the frames, will make fine blooming plants in six weeks' time. If they are frozen, take up a lump of soil with them and let them thaw out, slowly, under some bench in a cool house. Mignonette sown out now and grown on in pots will give blooming plants in about twelve weeks. If sown out into 2½'s they can later on be planted on a bench where, perhaps, some other crop has failed. The retail grower can always use Mignonette, every day it is in bloom. A plant of either the double yellow or red Nasturtium planted out at the end of a Carnation house, where there is plenty of head room and no danger of shading the Carnations, will prove a good investment; towards Spring hundreds of good long stemmed flowers can be cut from such a plant; from a rooted cutting planted now, a good single sort, such as Jupiter, will do as well.

Bedding Begonias

The Florist Should Grow More of Them.

When a variety of bedding plants is wanted, the Begonias play an important part. Many of them adapt themselves admirably for that purpose. While with the tuberous rooted section a little shade is required during the hot noon hours of Midsummer, when planted out such sorts as Erfordii, and practically all belonging to the semperflorens class, do nicely out in the open. As much admired as anything seen at Rochester last Summer, while attending the convention, were the beds of Erfordii Begonias in Highland Park—they were simply grand. These, and the beds filled with tuberous rooted Begonias, were eye openers to many Western florists; not enough of these plants are made use of throughout the middle West. We lack variety in bedding plants, and one cause of trouble with Begonias is the fact that the plants, when bedded out, are not large enough. What one usually finds in May, at the average retail grower's, is small stock, in 2½-in. pots, of Vernon or Erfordii, half starved. Planted out and well taken care of such stock will in time develop

BARR'S GERANIUMS
Rooted Cuttings

	100	1000
Beaute Poitevine, salmon pink		$14.00
Alphonse Ricard, vermilion red	1.40	14.00
Buchner, white	1.25	10.00
Castellane, cherry red	1.30	12.00
S. A. Nutt, crimson	1.25	11.00

Immediate delivery, except Poitevine and Ricard, which will be ready for February shipments.
Terms cash.

B. F. BARR & CO., Keystone Nurseries, **Lancaster, Pa.**

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings

S. A. Nutt, Ricard, Poitevine, Buchner, Doyle and Castellane, ready for Shipment February 1st:—**S. A. Nutt and Buchner,** $10.00; others, $12.50 per 1000; **Coleus, Rooted Cuttings of Verschaffelti Golden Bedder and Victoria,** fine clean stock, $5.00 per 1000; 2-inch, strong, $16.00 per 1000, $2.00 per 100. **Cash.**

RUDOLF NAGEL, Lancaster, Pa.

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Geraniums
ALL BOOKED FOR JANUARY

Peter Brown, Lancaster, Pa.

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GERANIUMS
RICARD S. A. NUTT BUCHNER

From 2¼-inch pots
Extra Fine lot of Strong, Cool-Grown Plants
$2.25 per 100, $20.00 per 1000
Order Now—Address
J. R. BROOKS
OXFORD DEPOT (Orange County), N. Y.

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GERANIUMS ROOTED CUTTINGS

Orders of the following all booked for December: **Poitevine, Jaulin, Viaud, Castellane** and **Ricard.** For January, February, March and April, these will be $12.00 per 1000.

Orders taken for the following: **Nutt, Doyle, Grant** and **Buchner** at $10.00 per 1000. Cash with order.

FRED. W. RITCHY, First & Ruby Sts. **LANCASTER, PA.**

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GERANIUMS

S. A. Nutt, Beaute Poitevine, Buchner, and **Mixed,** out of 2¼ inch pots, at $2.00 per 100.

Cash with order.

E. A. BLINN. Cromwell, Conn.

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Stumpp & Walter Co.'s Florists' Plant Tubs

These Tubs have been made to compete in price with the very lowest priced Tubs on the market. The prices here offered are the very best that we can make, and the Tubs must be bought in the quantities as listed, in order to get the benefits of the quantity price.

Inside Measurements	Height	Width	PRICES Each	Dozen	100
No. 1	6 in.	6	25c.	$2.50	$20.00
No. 2	7 in.	7	28c.	3.00	22.50
No. 3	8 in.	8	30c.	$3.50	$25.00
No. 4	9 in.	9	35c.	4.00	30.00
No. 5	9 in.	9½	45c.	$5.00	$38.00
No. 6	10 in.	10½	50c.	5.50	43.00
No. 7	11 in.	12	55c.	$6.00	$45.00
No. 8	12 in.	13	60c.	6.50	53.00
No. 9	13 in.	14	65c.	$7.00	$60.00
No. 10	14 in.	15	70c.	8.00	65.00

IF any Grower would like a sample line of these Tubs, we will ship, freight paid, to any station within 500 miles of New York, a complete set of 10 Tubs for $5.00. If the Tubs are not satisfactory they can be returned and money refunded.

Stumpp & Walter Co.

Specialty Department
50 Barclay Street
NEW YORK

Please mention the Exchange when writing.

into good plants; but more than half of the Summer will be gone by then. What is wanted is heavy, bushy stock by May 1, out of 4-in. pots, which will make a show from the day it is put out. Not every grower can produce such a plant in three months. Some claim they can, but it is by far safer to sow out seed the first week in January. The little seedlings are indeed slow to move; when once ready for pots, and not allowed to suffer for the want of care, they make rapid headway. B. Erfordii is still one of the very best of bedders, and as beautiful as any; there is none to beat it for free and continuous blooming. Among the Vernon sorts atropurpurea is excellent, with its bronze colored foliage and scarlet flowers; luminosa is another fine scarlet. The variety Prima Donna is not as free flowering as it might be, but is a grand variety for all that, not alone as a bedder but as a pot plant, and should be given a fair trial. Berna is another new sort, of dark foliage when bedded out, and carmine flowers; this sort proved, in many places, an ideal bedding sort last year. Don't fail to sow thinly; only too often the mistake is made of sowing too many to a pan, and damping off of the seedlings is usually the result.

Cyclamens

Care of Stock Which is to Bloom from Now On

Every good plant in bloom was disposed of at Christmas; in fact, there is hardly ever a sufficiency of good Cyclamens in bloom for that day. There is room for many more, but they shouldn't all consist of 7 in. and 8 in. pot stock, which has to be sold at $3.50 to $5 each. Good 6 in. stock, with 6 to 8 open flowers, such as can be retailed at about $1.50 per plant, is by far the most desirable. There is, practically, no probability of over stocking the market for Christmas with such plants. While the foliage of a well grown Cyclamen is as beautiful as the flowers, it should have more than one or two open flowers per plant when retailing it, for when a customer buys a plant in most cases it isn't a matter of how many flowers the plant will have in a month after Christmas, but rather of having it look at its best at the time of the purchase. All such stock as was not in shape for the holidays should be kept from now on in a temperature of not over 50° at night. A shift of potbound stock into larger pots is of benefit to the plants; they will bloom later, but develop into finer specimens. Avoid any bench for the plants where they are apt to grow spindly, on account of lack of sunlight; few plants suffer more than the Cyclamens in this respect. If a shift into larger pots is not desired, light doses of liquid cow manure should be applied; it will help the flowers and the foliage. You may have some small 3-in. or 3½-in. pot plants of Cyclamen on hand which are stunted; such, with proper care, can be grown into fine specimens for next year. Take them out of the pots, clean out the roots well, and repot, using new soil. Remove all old leaves as well as flower buds; any young leaves which are in good shape can remain. If treated in this manner these plants will show new root action in a few weeks and start to grow again shortly, and should be treated the same as the young stock.

Asparagus

It is Time to Sow the New Crop of Seed

Asparagus plumosus and A. Sprengeri should be sown, whenever fresh seed can be obtained, from now on. Every retail grower has more use for both of these valuable plants than any other belonging to their class; for Fern dishes, either planted alone or mixed with Ferns, Asparagus plumosus is always in demand, not to mention its usefulness when grown for green. The man who has to grow a great variety of plants to meet the demands of a retail trade should always set aside a bench, or part of one, for Asparagus of both these sorts. Among others not so well known, but most desirable, might be mentioned A. spinosus, especially adapted for climbing. For this purpose A. verticillatus is another excellent one, and scandens deflexus is a beautiful sort for cutting. All of them are propagated both ways—by division of the roots and through seed; the latter is the best method, for such plants have far more vitality and make a more luxurious growth, and that is what we want. The green question isn't receiving sufficient attention from many growers; some, especially the smaller ones, are slow to realize the importance of it, and yet as much attention should be given to it as to the best cut flowers on the place. The florist is continuously using more and more greens, and to devote some dark side bench or corners to the growing of Asparagus, and to treat it as a side line is wrong. The best bench, the one that gets all the sun there is to be had, is none too good, and there are few things we grow that bring better or even as good returns as Asparagus, and more attention should be given to its culture.

Coreopsis and Campanulas

Seasonable Reminders of Their Requirements

If pot plants of either Coreopsis or Campanulas are on hand, and which, up to the present, were kept in a frame, some of those intended for early blooming should be brought in now Hard to-ing would finish them in short order; they can't stand it. A temperature of 40°, on a sunny bench, will answer best for the next four weeks, and while those which have been grown in pots could stand 8° to 10° more than others potted up this Fall, it is just about as well for the next four weeks or so to maintain the lower temperature for all the plants, for they will not do much more than form new roots and it is only when the sun again starts out to warm up things, and the days begin to grow longer, that they, as well as many other plants, will begin to get busy. Campanulas, or Canterbury Bells, Coreopsis and Chrysanthemum maximum all adapt themselves to indoor growing and form a paying proposition to the retailer; far more of them should be grown, for the average retail grower cannot have too much of a variety in plants or cut flowers. Roses and Carnations are all right and will form the backbone in the cut flower line for a long time to come, but when it gets towards Spring let's have a change—the customers will appreciate it—and what could possibly be more beautiful than any of the flowers mentioned as a change? They will keep in good shape for days after being cut and adapt themselves to many purposes. They don't need the latest style of a modern greenhouse in order to do them well, nor half as much attention and care as other plants we grow.

Gladioli

Many Find Them Profitable to Grow Indoors

When Carnations are doing well they usually pay as well, if not better, than anything the retail grower can handle, and yet there are instances where sickly plants are nursed along from month to month, when often it would be far better if the stock was thrown out and a paying crop made use of to take the place. Even the best and most careful grower may run into bad luck with a house or certain bench. There are so many things that can happen over which even the expert has no control, and the most sensible thing to do is to throw had stock out and plant something else. America is one of the few money making Gladiolus varieties the florist grows. There were some wonderful varieties displayed at Rochester; many of the newer ones will make it impossible for the old sorts to hold out long. All of the newer varieties are worthy of a trial, but America has proved of great value as a florist's flower, and for indoor growing especially is it to be recommended. If there is a poor Carnation bench on the place, where there are sure signs of the plants not holding out much longer, the bulbs of the Gladiolus can be planted, 4 in. apart, between the rows of the Carnation plants; that is, if one is not quite ready to throw out the Carnations, as would be the case where a number of buds ready to open in a short time are to be taken into consideration. If the bench can be cleared up, so much the better. Turn the soil over lightly, and plant the bulbs 4 inches apart, in rows 10 inches apart, running across the bench. Another plan is to plant the bulbs into 3-in. or 3½-in. pots, let them get started and plant out afterwards. Gladioli can also be successfully grown in pots, three bulbs to a 5-in. pot but a far better way is to plant them out. The flowers from indoor grown plants of America are away ahead of anything you get outdoors.

S. A. Nutt Geranium Cuttings
Especially fine; $1.50 per 100, $12.00 per 1000.
GEORGE B. HART, 24 Stone Street, Rochester, N. Y.
Please mention the Exchange when writing.

GERANIUMS Doyle, S. A. Nutt, Buchner, 2-in pots, $1.80 per 100; $18.00 per 1000. Ricard, Poitevine and others, 2-in. pots, $2.00 per 100; $20.00 per 1000.

	R. C. Per 100	2-in. Per 100
Feverfew	$1.00	$1.50
Coleus	.60	1.50
Vinca Variegata	1.00	2.00
Ageratum	.60	1.50
Heliotropes	1.00	1.50

Cash with order.
ERNEST HARRIS, Delanson, N. Y.
Please mention the Exchange when writing.

Geraniums!! Geraniums!!
S. A. Nutt, Beaute Poitevine, Brett, La Favorite, Buchner, Doyle, Bruanti, Vland, Castellane, General Grant and several others, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
FEVERFEW, 2¼-in. pots, $1.75 per 100; $15.00 per 1000; rooted cuttings, $1.00 per 100.
HELIOTROPE, 2¼-in. pots, $3.00 per 100.
FUCHSIAS, 2¼-in. pots, $3.00 per 100.
COLEUS, 2¼-in. pots, in variety, $2.00 per 100.
ACHYRANTHES Lindeni, rooted cuttings, $1.00 per 100.
Cash must accompany the order.
J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.
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GERANIUMS
S. A. Nutt ..... $11.50 per 1000
Ricard and Poitevine .... 14.00 per 1000
As cheap as they can be produced to maintain the quality of stock that will give you paying results. Let me prove this to you by a trial order, or send ten cents for samples.
COLEUS
Verschaffeltii & Golden Bedder $6.00 per 1000
Standards, in assortment..... 5.00 per 1000
Giant-leaved, the best collection in the country, at $1.25 per 100 or $10.00 per 1000.
Cuttings will be well rooted, of good size and clean, the kind it will pay you to buy. I have them in any quantity.
Terms Cash.
ALBERT M. HERR, Lancaster Pa.
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WHOLESALE FLORISTS
54 WEST 28th STREET, Telephone: 3559 Madison Square NEW YORK
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NEW YORK, Dec. 28.—The wholesale cut flower market today is just pulling itself together again after its Christmas experience, and trying to get back into regular running order, if indeed it can be truly said that there is anything regular about a business whose whole life is characterized by rapid changes in supply, in demand, in prices; in fact, in everything which goes into its make-up. Even today the rounds of the wholesale cut flower market cannot be made without forcing upon the visitor the fact that there still remains in the market much unsold stock after Christmas sales, which must be disposed of at almost any price offered in arder to prevent a total loss; and an unprejudiced observer of the whole trend of the Christmas sales, and the aftermath, cannot but be impressed with the tremendous strain and anxiety to which the wholesale commission man is subjected during these holiday sales, and feel that after he has done the best he can the grower ought cheerfully to accept the results as regards returns, even if they are not up to his expectations.

The amount of stock of all kinds arriving today naturally is not over large, but it is certainly enough, though business today is a little more active than that of yesterday. There is very little change in prices from those of a week ago today. American Beauty Roses, specials, are bringing from 30c. to 60c., with few sales at over 50c. Killarney Roses are abundant at 8c. for top grade blooms; My Maryland, not quite so plentiful, bringing for very choice selections as high as 12c., but in general about the same as Killarney. Richmond is in only medium supply, with a range of price up to 25c., but with a limit in general sales at 15c. for top grade. Special Bride and Bridesmaid bring 10c. each. The lowest grades of blooms of all these are bringing $2 to $3 per 100. Prices are shaky.

The supply of Carnations is fairly abundant; they move more easily than Roses, and at prices ranging from $2 to $6 per 100.

The present demand is not consuming the supply of Orchids. Cattleyas are bringing from 40c. to 75c. each, and they must be good to touch the higher price; Dendrobiums, 40c. to 60c., with a very small demand; and Cypripediums 15c. each. Gardenias are scarce, and few of high grade are seen. Top grade blooms realize $4 per doz., and bottom grade goes begging at 75c. per doz. The moderate supply of Lilies is disposed of at 10c. each, and Callas at $2 per doz. for nice stock. Lily of the Valley is everywhere seen, and falls to make buyers believe it is a Christmas flower. The price is $1 to $4 per 100. Poinsettias, supposed to be the Christmas flower par excellence, are nearly ostracised, and thousands are still in the shipping boxes unsold. The price is largely fixed by the offers, but in general $2 to $3 per doz. is asked. Violets have not yet recovered from the slump in prices brought about by the midnight deluge of Saturday, 50c. to 75c. per 100 is the price today with leftovers going for any offer. Sweet Peas of nice quality are seen, and are moving fairly well at $1.50 per doz. bunches, for the best.

The market is glutted with miscellaneous stock, and the prices are way down.

Greens are in fair supply, with Asparagus, as usual, away ahead in sales, Adiantum moving slowly, and Smilax dragging very badly.

PHILADELPHIA, PA., Dec. 27.—For market conditions from December 23 to 26 read our Philadelphia Column. Conditions in the cut flower market today are as good as could be reasonably expected directly after Christmas. The left over stock and the quite abundant arrivals of the day have been mostly disposed of at moderate prices, concessions in price being frequently made to prevent accumulations. Roses of all kinds are offered by the street dealers, and everybody knows what that means. American Beauty Roses are plentiful, and are moved by a return to ante-Christmas prices; specials are selling for 50c. each; the range of price for all grades is 8c. to 50c. All kinds of pink and white Roses are abundant, and are moving rather slowly. The supply of Richmond is not quite as large, and flowers move better than the pink and white varieties. Top grade blooms are bringing about as follows: Richmond 20c., Killarney, My Maryland and Mrs. Jardine 15c., Bride, Bridesmaid, Golden Gate, Kaiserin and Perle 10c. each; the bottom grades of all these sell for 3c. to 4c. each.

Carnations are not as plentiful as Roses, prices are a little firmer, and a clean up is more easily effected. The range of price is from 3c. to 8c. each, except fancy reds, which realize 10c. each.

There are Orchids enough arriving to meet the moderate demands. Top grade Cattleyas are selling for 75c. each, Dendrobrium formosum 50c., and Cypripediums 15c. each The moderate supply of Gardenias finds a fair demand at 20c. to 40c. each. As the number of Lilies in the market is not over large, arrivals are absorbed by the regular demand at from $12.50 to $15 per 100. Lily of the Valley is plentiful, and moves sluggishly at $2 to $4 per 100. Callas sell readily at 20c. to 25c. each. Violets are not over plentiful and realize 75c. to $1 per 100 for singles, and $1 to $1.50 for doubles. There is a moderate supply of miscellaneous stock, for which there is a fair demand, Sweet Peas meeting with most favor.

Greens are moving somewhat more briskly at quoted prices.

BOSTON, Dec. 27.—The market, including the entire week, was a satisfactory one, although there were times when trade was rather quiet. There was a fairly good supply of flowers of superior quality, mainly fresh and nice and giving satisfaction to every one. Prices advanced considerably and high figures were reached in many instances. There was a slight surplus left over on Saturday from late shipments, mostly of white flowers, which were in poor demand. The large sales of potted plants reduced considerably that of flowers.

Roses were quite plentiful. American Beauty, Rhea Reid, Richmond and pink Killarney being the favorites. Am. Beauty was in excellent demand and for fancy flowers with extra long stems $12 per doz. was the price. Very choice Killarney was sold for as much as $48 per 100 and many at $32. My Maryland was a poor seller. Bon Silene and Safrano went at $2 to $8 per 100. Mrs. Aaron Ward was one of the best sellers at $4 to $32. Mrs. Waddell, which is only in small quantity, went to $12 per 100. Rhea Reid was in fine condition and excellent color and sold readily from $10 to $32 per 100.

Carnations were in good supply, the bright scarlets being the favorites. There was very little surplus, only a few white varieties, which were not called for very much; prices varied from $4 to $10 per 100.

Violets were scarce, not quite enough to fill the demand; prices ran from $1.25 to $2 per 100. Poinsettias were scarce and in good demand, $2 to $6 being the price per dozen. Orchids were scarce and high prices were realized. Trianæ is becoming more plentiful. Cypripediums are plentiful. Sweet Peas are becoming more plentiful and of better quality. Gardenias are still scarce and consequently prices are somewhat advanced.

There is a good supply of miscellaneous flowers, such as Forget-me-not, Snapdragon, Mignonette, Marguerites and Pansies. Lilies are more plentiful. Slightly better demand for Lily of the Valley. Paperwhites and Roman Hyacinths are becoming more plentiful. Asparagus and Adiantum are in good demand, the former bringing from $25 to $50 per 100 strings and bunches.

Plant trade has been very active and far exceeded that of any previous year. Azaleas were sold in large quantities. Lorraine Begonias were a special favorite and there was good demand for nicely flowered Cyclamen. Fruited plants sold well; Ardisias and Oranges were the leaders.

Trade in Christmas greens was good and the sales far exceeded those of any previous season. R. C.

CHICAGO, ILL., Dec. 27.—The market has declined considerably since December 25. Christmas stock arrived in abundance, and there were probably more Roses on the market than ever before; particularly was this the case with both pink and white Killarney, as they came into crop with most growers just in time, creating a much larger supply of both pink and white Roses than was anticipated. The weather was so favorable for the keeping of stock that all that could be were held back, causing an over supply as usual on Christmas Day, and it was impossible to move all, especially whites; but the condition was nothing as compared to the slump of 1909. American Beauty, long stemmed, were available in great quantity, and on account of the reasonable prices asked were taken quickly, and even with the immense quantities that arrived throughout the market the supply fell short. $10 and $12 per doz. were the prices; medium and shorts moved nicely, but the call mainly was for long stock. Richmond did not wait long for purchasers, the color being most sought after. All pink Roses moved nicely, but whites dragged.

Carnations were not as short in supply as had been anticipated, although there was no stock left in any of the good grades. Red Carnations held steady at $12 per 100 for extra fancy, with pinks and white at $10.

Lilies were not very plentiful; the call was strong, as much funeral work all over Chicago last week consumed many of these flowers. Callas were particularly scarce. Lily of the Valley was in good supply. Violets did not move so well, and did not reach the usual Christmas prices. On Saturday the market was flooded with Violets, although Sunday's demand for our large funerals on Monday consumed much of the stock, arriving on Sunday morning. Orchids were in great demand. Sweet Peas were not abundant, although they sold well. Mignonette, Paperwhite Narcissus, and some Roman Hyacinths helped make up a collection of miscellaneous stock.

Some good Pansies, Bouvardia and a few Tulips are coming in now.

In the green line there was the usual Christmas call for seasonable greens, and with the exception of Ground Pine there was enough for all occasions. Ferns, Smilax, Asparagus and all other greens moved nicely.

For Indianapolis and St Louis Reports See News Leters.

Pittsfield, Mass.

Trade at The Flower Shop was very satisfactory, both cut flowers and plants moving well. Carnations and Roses were, as usual, most popular; a great scarcity of the former made prices very high. In potted plants, Poinsettias ranked first, with Azaleas closely following. Among the cheaper plants, Cyclamen and Primroses were very popular. An exceptionally fine line of Ferns went very well. Weather conditions were not bad for Saturday and Sunday deliveries, which lifted a load from the Christmas work. S. G. B.

FISHKILL-ON-HUDSON, N. Y.—Funds for the drinking fountain for the square in the township of Fishkill are now practically all subscribed. Benjamin Hammond is treasurer of the fund and, to his efforts, in great part, is due the successful outcome.

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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Dec. 28, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 60.00
" extra	20.00 to 30.00
" No. 1	10.00 to 15.00
" No. 2	5.00 to 10.00
" No. 3	.75 to 1.50
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	3.00 to 12.00
Richmond	3.00 to 25.00
Mme. Abel Chatenay	3.00 to 20.00
Kaiserin	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec	6.00 to 10.00
" extra	5.00 to 6.00
" No. 1	3.00 to 5.00
" No. 2	2.00 to 3.00
Mrs. Jardine	3.00 to 15.00
Adiantum	.75 to 1.00
Crowsnum	1.00 to 1.25
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	2.00 to 3.00
Callas (per dozen)	1.50 to 2.00
Chrysanthemums, per doz.	.... to ....
Daisies	.50 to 2.00
Ferns, per 1000	1.50 to 2.00
.. ..	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 2.00
Standard Varieties: White	3.00 to 4.00
Standard Varieties: Pinks	3.00 to 4.00
Standard Varieties: Red	3.00 to 4.00
Standard Varieties: Yel. & Var.	3.00 to 4.00
Fancy (The highest grades of Sta'd varieties): White	4.00 to 5.00
Fancy (The highest grades of Sta'd varieties): Pinks	4.00 to 5.00
Fancy (The highest grades of Sta'd varieties): Red	4.00 to 5.00
Fancy (The highest grades of Sta'd varieties): Yel. & Var.	4.00 to 5.00
Novelties	5.00 to 6.00
Gardenias, per doz.	.75 to 4.00
Gladioli	.... to ....
Lilies, Harrisii and Longi.	.... to 10.00
Lilium Rubrum	.... to ....
Lily of the Valley	1.00 to 4.00
Mignonette, per doz.	.75 to 1.25
Narcissus	1.00 to 2.00
Orchids, Cattleyas	40.00 to 75.00
Cypripediums, per doz.	.... to 1.50
Dendrobium Formosum	25.00 to 40.00
Oncidiums	5.00 to 10.00
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	2.00 to 3.00
Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	.75 to 1.25
Stevia, per bunch	.15 to .20
Sweet Peas, per doz. bun.	1.00 to 1.50
Tulips	1.00 to 3.00
Violets, Double	.50 to .75
Violets, Single	.50 to .75

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Interviews with growers of cut flowers solicited
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New York

The offerings of plants among the retailers at Christmas, both in single specimens and in combinations, were numerous, varied and of fine quality. In berried and fruited plants the buyers had a choice among Ardisias, Aucubas, Jerusalem Cherries, Christmas Peppers, Partridge berries in bowls, and Otaheite Oranges. In blooming and foliage plants the offerings were larger, perhaps, than on any previous Christmas, including Azaleas, Rhododendrons, Poinsettias, Almonds, Plums, Laurestinus, Camellias, Begonias, Cyclamens, Ericas, Ferns, Dracænas, Pandanus, Bougainvilleas and Lilacs.

The hampers and baskets of Azaleas, and of Azaleas and Heather combined, at Young & Nugent's, 42 West 28th st., were among the most beautiful seen in this city.

Thorley's window at the 27 West 28th st. store was handsomely dressed; a combination of Otaheite Orange plants and Cocos Palms in gilt basket tied with orange ribbon was very attractive.

At J. H. Small & Sons, 1153 Broadway, the leading features were Begonia Gloire de Lorraine in baskets tied with pink ribbon; and Lily of the Valley, in the growers' flats, which were covered with pink and green paper, and further adorned with bows of ribbon.

At A. Warendorff's, 1193 Broadway, the Farleyense Ferns growing in moss baskets were both unique and beautiful.

M. A. Bowe, 1294 Broadway, was offering some well grown Cypripedium plants full of blooms and Ardisias.

At Fleischman's, 42nd st. and 5th ave.,

suspended silk aeroplanes freighted with flowers were a novel feature.

At Thomas Young, Jr.'s, 500 Fifth ave., the baskets of Azalea Veryæneana combined with Dracæna terminalis, and tied with pink ribbon were very effective.

At Thorley's, 46th st. and 5th ave., the large display of potted Cattleyas covered with bloom were the striking feature, and the banking of the store front with these, and Ardisias, Otaheite Oranges, and Camellias was imposing and splendid.

At Alexander McConnell's, 571 Fifth ave., were seen the finest evergreen trees, in tubs, in the city, near the store entrance; and inside, among other beautiful offerings, the hanging baskets of Begonia Gloire de Lorraine were especially noteworthy.

The red window display at Myer's, 609-611 Madison ave., was one of the most brilliant among the retailers.

Among the splendid plant offerings of the A. T. Bunyard Floral Co., 113 Madison ave., was noted some well grown Laurestinus covered with its fragrant white blooms.

The many friends of P. J. Smith will regret to learn that he was taken ill at his store, 49 West 28th st., last Saturday morning, and had to be removed to his home in a carriage, in care of Mrs. Smith and the doctor. Mr. Smith had not been feeling well for several days, but pluckily stuck to the job. He is still confined to his home but hopes to be out shortly.

Hensbaw & Fenrich, 51 West 28th st., express great satisfaction with the splendid stock of Carnations and Sweet Peas which they received during the holidays; they were, in their opinion, the best which they ever handled.

Jonathan Nash, of Moore, Hentz & Nash, 55-57 West 26th st., says that much credit is due to E. Towill, Roslyn, Pa., A. P. Smith, Madison, N. J., the Somerset Rose Co., Basking Ridge, N. J., R. C. Pye, Nyack, N. Y., and H. Hentz, Jr., Madison, N. J., for the large shipments of splendid stocks of Roses for the Christmas sales, and he would especially emphasize the fact that these growers exercised excellent judgment in not shipping any held back stock.

Among those in this city who carried an account with the Northern Bank, which has just closed its doors, is the firm of Badgley, Riedel & Meyer, 34 West 28th st., who desire to state that they have already opened an account elsewhere, and that the closing of this bank will make no difference with their meeting their obligations as usual, but merely causes them a temporary inconvenience.

See Christmas Market Report in editorial pages

St. Louis

There is a good deal of uncertainty here as to whether there will be a scarcity in cut flowers at Christmas or not. During the fore part of the week the market was, if anything, overstocked with Roses, and the supply for Saturday and Sunday depended very much on the weather. Indications were that the plant trade would be unusually good, most of the local growers having sold out.

C. A. Kuehn reported plenty of stock in the fore part of the week, but Carnations were rather scarce and bringing good prices. He also reported an abundance of greens, and was sanguine of a good holiday trade.

Geo. H. Angermueller stated that business, on the average, had been very good, and he expected enough stock to go around, weather permitting.

Mr. Nichol, president of the St. Louis Seed Co., reported the finest holiday trade, particularly on Christmas greens, his house had ever had.

The Schisler-Corneli Seed Co., at the time of your correspondent's call, was transacting a very good business.

Wm. C. Smith was well satisfied with business, which had exceeded that of last year, and was particularly good early in December.

H. G. Berning was doing his usual amount of business and expected that Christmas trade would be as good as ever.

The C. Young & Sons Co.'s store at the Christmas season resembled the interior of a beehive. The company displayed some very handsome Christmas hampers, tastefully decorated.

Christmas comes but once a year, and Wm. Schray & Co., were certainly getting their share of the holiday rush. Chas. Beyer's was another of the busy establishments in St. Louis.

The Forster Floral Co. has given up its store at 915 Olive st. Mr. Forster is now located at 507 Olive st.

Otto Sander, formerly in the Maryland Hotel building, has taken over the store at 915 Olive st. J. M.

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Wholesale and Commission Florist

25 Washington St., Providence, R.I.

GREENHOUSES, OAKLAWN, R.I.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 27, 1910	Pittsburgh Dec. 26, 1910	NAMES AND VARIETIES	Boston Dec. 27, 1910	Detroit Dec. 26, 1910	Cincinnati Dec. 26, 1910
40.00 to 50.00	75.00 to 80.00	Roses—A. Beauty, fancy—special	50.00 to 120.00	..... to	60.00 to 80.00
..... to	40.00 to 60.00	" extra	35.00 to 45.00	40.00 to 60.00	40.00 to 50.00
..... to	20.00 to 30.00	" No. 1	15.00 to 25.00	32.00 to 38.00	25.00 to 30.00
..... to	8.00 to 12.00	" No. 2	..... to	8.00 to 25.00	..... to 16.00
4.00 to 8.00	6.00 to 18.00	Killarney	4.00 to 16.00	5.00 to 12.00	8.00 to 15.00
4.00 to 8.00	6.00 to 18.00	White Killarney	4.00 to 16.00	5.00 to 12.00	8.00 to 15.00
..... to	5.00 to 12.00	Bride and Bridesmaid	6.00 to 10.00	..... to	8.00 to 15.00
..... to	..... to	Mrs. Jardine	..... to	..... to	..... to .....
5.00 to 8.00	6.00 to 15.00	My Maryland	6.00 to 12.00	5 00 to 12.00	8.00 to 15.00
5.00 to 10.00	8.00 to 20 00	Richmond	4.00 to 16.00	6.00 to 15 00	8.00 to 20 00
8.00 to 6.00	6 00 to 12.00	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 6.00	..... to	K. A. Victoria	..... to	5 00 to 12.00	..... to .....
..... to 1.00	..... to	Adiantum	1.00 to 1.25	.75 to 1.00	..... to .....
..... to 35.00	..... to	Asparagus, Plumosus, bunches	30 00 to 50.00	30.00 to 40.00	..... to 14.00
..... to 35.00	..... to	" Sprengeri, bunches	25.00 to 50.00	30.00 to 40.00	..... to .....
..... to	..... to	Bouvardia	..... to	10.00 to 15.00	..... to .....
12.50 to 18 00	..... to	Callas	..... to	..... to 15.00	..... to 10.00
2.00 to 6.00	2.00 to 3.00	Carnations—Inferior grades, all colors	4.00 to 6 00	..... to	..... to .....
5.00 to 6.00	..... to 4 00	Standard Varieties: White	4 00 to 6 00	3.00 to 4 00	8.00 to 10.00
5.00 to 6.00	..... to 4.00	Standard Varieties: Pink	4.00 to 6 00	3.00 to 4 00	8.00 to 10.00
6.00 to 8.00	..... to 4 00	Standard Varieties: Red	4.00 to 5 00	4.00 to 5.00	8 00 to 10 00
..... to	..... to 4 00	Standard Varieties: Yellow and var.	4.00 to 6 00	..... to	..... to .....
..... to	..... to 6.00	*Fancy (*The highest grades of Sta'd vars.): White	4.00 to 10 00	4 00 to 5 00	..... to .....
..... to	..... to 6.00	*Fancy (*The highest grades of Sta'd vars.): Pink	4.00 to 10 00	4.00 to 5 00	..... to .....
..... to	..... to 6.00	*Fancy (*The highest grades of Sta'd vars.): Red	4.00 to 10 00	6.00 to 8 00	..... to .....
..... to	..... to	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	4.00 to 10.00	..... to	..... to .....
..... to	..... to	Chrysanthemums, ordinary	..... to	..... to	..... to .....
..... to	..... to	fancy	..... to	..... to	..... to .....
..... to	1.50 to 3.00	Daisies	..... to	1.00 to 2.00	..... to .....
..... to	..... to .20	Ferns, hardy	..... to	..... to	..... to .20
..... to	..... to .12	Galax, green and bronze	..... to	..... to	..... to .10
..... to	6.00 to 8.00	Gardenias, per doz	2.00 to 3.00	..... to	..... to .....
..... to	..... to	Hyacinths	..... to	3.00 to 4.00	..... to .....
..... to	..... to 15 00	Lilac	..... to	15.00 to 25.00	..... to .....
..... to 4.00	4.00 to 5.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	..... to .....
..... to 2.00	3.00 to 4.00	Lily of the Valley	..... to	..... to	4.00 to 5.00
..... to	75 00 to 100.00	Mignonette	..... to	3.00 to 4.00	..... to .....
..... to	12.00 to 15.00	Narcissus	2.00 to 3.00	3.00 to 4.00	2.00 to 5.00
..... to	..... to	Orchids—Cattleyas	50.00 to 75.00	..... to	..... to .....
..... to	15.00 to 30.00	Cypripediums	..... to 12.00	..... to	..... to .....
..... to 1.50	..... to 1.80	Dendrobiums	..... to	..... to	..... to .....
1.50 to 2.00	..... to 1.00	Poinsettias	..... to	15 00 to 25.00	.25 to .30
..... to	.75 to 1.50	Smilax, (per doz. strings)	..... to	..... to 1.80	..... to .....
..... to	..... to	Stevia	..... to	1.50 to 2.00	..... to .....
1.50 to 2.00	1.00 to 2.00	Sweet Peas	.75 to 1.00	1.00 to 2.00	..... to 1.50
		Violets, single	1.25 to 2.00	1.00 to 2.00	..... to 1.00
		double	..... to	1.00 to 2.00	..... to 1.00

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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All Cut Flowers in Season

Heller Bros.' Fine Beauties. Market Prices
Boxwood, $7.50 per case of 50 pounds.
Leucothoe Sprays, 50c. per 100, $4.50 per 1000.
Wild Smilax, $3.00, $4.00 and $5.00 per case.
Fancy Eastern Ferns, $1.50 per 1000.
Galax, Sheet Moss and Sphagnum.
"Manufacturer of Superior Wire Work"
Catalogue for the asking.

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Boston

Christmas Trade

The weather during the early part of Christmas week was brisk, cold and seasonable, and a large amount of business was transacted. It was fortunate for many that this was the case as Saturday was one of the most miserable days we have had for some time; it poured with rain all day and diminished business greatly. People are realizing that it is poor policy to leave buying at Christmas until the last minute and this season, in all kinds of business in the city, early buying prevailed, the bulk of the business being done in the forepart of the week. This is especially true of plants of all kinds, most of them being ordered a week before Christmas, in fact, most growers were sold out fully a week earlier than on previous years.

Reports from all departments are most encouraging. Wholesalers say their business was far beyond previous years. Retailers did an enormous business and people bought freely. Growers of plants reaped a great harvest and the plant industry has cut hard into the cut flower business, most people preferring to buy plants to cut flowers. The plants most in demand were Poinsettias, Lorraine Begonias, Azaleas and Cyclamen. Berried plants were in good demand, such as Ardisias, Peppers, Oranges and Jerusalem Cherries.

There was a fairly good supply of flowers and they were in splendid condition. There were few reports of holding back stock and that of Saturday was as fresh and nice as stock shipped early in the week. Flowers with bright colors sold well; the only ones remaining unsold were white. Prices were excellent and some very high returns are reported.

Paul E. Richwagen of Needham has a grand house of Snapdragon; a good pink variety of his sells well.

George Cartwright at the Boston Flower Exchange, Inc., is handling some exceptionally fine Carnations for F. P. Putnam. His Enchantress, Beacon and Mayday are well grown, the flowers being almost perfect.

Mrs. W. K. Ward of Montvale has a nice crop of Forgetmenots which she finds quite remunerative.

Andrew Christensen of Stoneham, Carnation specialist, reports good success with his plants of which he grows about 40,000. He likes Queen very much, grows 25,000 of it and finds it profitable. He prefers White Enchantress to White Perfection. Beacon he finds one of the best scarlets and considers it much better than Scarlet Glow. Sangamo is grown but is not liked much. Apple Blosom is too slow and does not produce enough flowers. Winsor is grown and found a remunerative variety.

George Cartwright, treasurer of the Boston Flower Exchange, Inc., has gone to Albany for a short vacation. He did a big business during holiday week.

Wheeler & Co. of Waban, Mass., devote their entire range of houses to Orchids; they had a nice crop of flowers for the holiday which brought them handsome prices as this class of flowers was not over abundant. They are just beginning to cut a fine crop of C. Trianæ; D. Phalænopsis is blooming profusely.

John T. Butterworth of Framingham had a nice crop of Orchid flowers and realized fancy prices. His Lælias, of which he had a nice cut, were fine. Cattleyas were cut heavily. He has nice batches of C. insigne Sanderæ, and Laura Kimball.

Caroline E. Ball of Southboro, has some nice houses of Carnations which are flowering profusely; her cut per week is about 4000 blooms.

Herman H. Bartsch, who has been with the W. W. Edgar Co. of Waverley a number of years, and who has been manager of the establishment since Mr. Edgar's death, has become a member of the firm. Mr. Bartsch, since becoming manager of this well known establishment, has made a most enviable reputation, and we are delighted to know that his faithful service has been thoroughly appreciated.

F. L. Hardy of Natick has some excellent Snapdragon in fine distinct colors. It is wonderfully good material for this

early date, having long spikes of flowers with strong stout stems. There is a good demand for this stock and fine prices are obtained. He is also cutting Heliotrope which is disposed of readily.

Gustave Olson of Woburn is the first at the Boston Cooperative Flower Market to bring in cut white Tulips.

Albert Batley of Maynard, who is a rather extensive grower of Carnations, had some nice blossoms for the holidays. His Pink Delight is well grown and of fine color. In whites he likes White Perfection; Beacon is his favorite in scarlet.

W. S. Phelps of Marlboro had a splendid cut of Carnations for the holidays. He grows a large quantity of Winona, which is one of his favorites. Enchantress is grown very well; Pink Delight is especially well done and with him a heavy cropper.

James Wheeler of Natick has excellent success with his plants in his new greenhouses. In Carnations his White Perfection are superb blooms, so are his Enchantress and Beacon.

Everett E. Cummings of Woburn is a large Violet grower, and had a fine lot of flowers for this week. This crop has been exceedingly scarce this season, so those having good flowers received good prices.

B. F. Wynch of Framingham is cutting very nice Forgetmenots, which he finds profitable, as there is not much of it in the market.

Mann Brothers of Randolph, who make a specialty of growing bulbs, had a superb lot of Lilies this week which were in excellent condition. They had also a large batch of yellow trumpet Daffodils, Roman Hyacinths and Paperwhites, but white Tulips were one of their specialties for the week.

J. A. Budlong & Son had a fine cut of Roses for the holidays and disposed of large quantities at their wholesale rooms at 303 Congress st. Their Killarneys were of superb growth and color. Richmonds were a favorite. Marylands they find quite profitable. They are handling two Roses which are rather new to Boston and which are becoming favorites; these are Radiance and Cardinal.

Maurice Hambro is handling at the Boston Flower Exchange, for S. J. Reuter & Son of Westerly, R. I., a splendid lot of high grade Roses of the varieties Killarney both pink and white, Maryland and Richmond.

H. W. Vose of Hyde Park had a nice lot of Chrysanthemums which were very good for this late date; he had them in four colors, red, white, yellow and pink, and they sold well.

Welsh Brothers did an enormous trade during the holiday rush and their business far exceeded that of any previous Christmas. Their growers sent them some excellent flowers and they had a good supply. They had a choice lot of Lælias and Cattleyas. They are headquarters for American Beauty Roses and they had them in excellent condition. An exceptionally large business was done in greens this year.

George Hamer, asst. mgr. at the Boston Flower Exchange, Inc., was given a surprise last Saturday, when he was presented with $50 in gold by his associates at the market. The handsome gift was the contribution of all the men who had any dealings in the market, these included growers, retailers, salesmen, and everyone from the messenger boys to the manager of the market. The position Mr. Hamer fills is not an easy snap by any means and a person with a mean disposition would very soon get rattled and could make things very unpleasant. However George is the right man in the right place; he is kind, obliging, tactful and judicious, and knows exactly how to handle men of all temperaments. Since his connection with the market he has gained the entire confidence of his superiors and subordinates. The gift was put up in a handsome silk lined case and the five ten dollar gold pieces neatly filled it. George was so much surprised when he was presented with the gift that the only words he could say were "Is this a bribe or a rake off"?

Several of the seed stores handled quite a lot of plants during the Christmas holidays; this is especially true of the R. & J. Farquhar & Co. and the Fottler, Fiske, Rawson Co.; both of these firms have large ranges of glass and grow their own plants.

Peirce Brothers of Waltham had a large lot of plants for the holidays and they disposed of most of them; their Azaleas were great favorites.

The next meeting of the Gardeners and Florists' Club will be on January 14; it will be Ladies' Night, as in previous years; there will be a good entertainment. The installation of officers will also take place. R. C.

Beauties—Killarney—Richmond

Our growers are in with a big crop of Roses this month, and we can give you unmatchable values in this line. Produced by men that know how to grow Roses to perfection, you cannot get better stock in this market.

SWEET PEAS $1.00 to $1.50 per 100 | **NARCISSUS** $3.00 to $4.00 per 100

NEW BRONZE GALAX, $7.50 per case.
Delivery on receipt of order

Rooted Carnation Cuttings

ALMA WARD	$7.00 per 100	$60.00 per 1000
MRS. C. W. WARD	6.00 " "	50.00 " "

Wards are considered the best Commercial Varieties today. Send for our Descriptive List of the **Wards** and other good Cuttings.

THE LEO NIESSEN CO. 1209 ARCH STREET
WHOLESALE FLORISTS Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Buffalo Dec. 28, 1910	NAMES AND VARIETIES	Phil'delphia Dec. 27, 1910	St. Louis Dec. 26, 1910
to 60.00 to 70.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	30.00 to 40 00
to 40.00	" extra	30.00 to 35.00	20.00 to 30.00
to 20.00	" No. 1	to 20 00	to
to 5.00 to 10.00	" No. 2	8.00 to 15 00	to
to 6.00 to 16.00	Killarney	3.00 to 15.00	5.00 to 8.00
to 5.00 to 15.00	White Killarney	3.00 to 15.00	5.00 to 8.00
to 6.00 to 15.00	Bride and Bridesmaid	4.00 to 10.00	to
to	Mrs Jardine	3.00 to 15.00	to
to 6.00 to 15.00	My Maryland	3.00 to 15.00	5.00 to 8.00
to 6.00 to 15.00	Richmond	4.00 to 20.00	5.00 to 8 00
to 6.00 to 10.00	Perle	6.00 to 10.00	to
to to	Golden Gate	4.00 to 10 00	to
to 5.00 to 8.00	K. A. Victoria	to	5.00 to 8 00
to to	Adiantum	1.00 to 1.50	to
to to	Asparagus, Plumosus, bunches	to 50.00	to
to to	" Sprengeri, bunches	35.00 to 50.00	to
to to	Bouvardia	4.00 to 5.00	to
to 12.00 to 15.00	Callas	20.00 to 25 00	to
to 3.00 to 4.00	Carnations—Inferior grades, all colors	3.00 to 4.00	to
to 3.00 to 4.00	Standard Varieties: White	4.00 to 5.00	to
to 3.00 to 4.00	Standard Varieties: Pink	4.00 to 6.00	4.00 to 5.00
to 3.00 to 4.00	Standard Varieties: Red	6.00 to 8 00	4.00 to 5.00
to 3.00 to 4.00	Standard Varieties: Yellow and var.	4.00 to 6.00	to
to 5.00 to 6.00	*Fancy (*The highest grades of Sta'd vars.): White	to 6 00	4.00 to 5.00
to 5.00 to 6.00	*Fancy (*The highest grades of Sta'd vars.): Pink	to 6.00	4.00 to 5.00
to 5.00 to 6 00	*Fancy (*The highest grades of Sta'd vars.): Red	to 10.00	5.00 to 6.00
to 5.00 to 6.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	5 00 to 8.00	to
to to	Chrysanthemums, ordinary	to	to
to to	" fancy	to	to
to to	Daisies	2.00 to 3.00	to
to .20	Ferns, hardy	.15 to .20	to
to .15	Galax, green and bronze	to 10	to
to 5 00 to 6 00	Gardenias, per doz.	2.50 to 5 00	to
to 3.00 to 4.00	Hyacinths	to	to
to	Lilac	1.00 to 1.50	to
to 12.00 to 15.00	Lilies, Harrisii and Longi	12.50 to 15 00	to
to 4.00 to 6.00	Lily of the Valley	2.00 to 4.00	to 4.00
to 3.00 to 4.00	Mignonette	4.00 to 6 00	to
to 3 00 to 4.00	Narcissus	2 00 to 3.00	to
to 80.00 to 100.00	Orchids—Cattleyas	to 75 00	to
to 12.00 to 15.00	Cypripediums	to 15.00	to
to to	Dendrobiums	to 50.00	to
to 10.00 to 25.00	Poinsettias	20 00 to 35.00	to
to 1.80	Smilax, (per doz. strings)	1.50 to 2.50	1.50 to 1.80
to 1.25	Stevia	2.00 to 3.50	to
to .75 to 1.00	Sweet Peas	.50 to 1.50	to
to to	Violets, single	.75 to 1.00	to
to .00 to 1.50	" double	1.00 to 1.50	to

EDWARD REID

Wholesale Florist

Orchids, Valley, Gardenias, Beauties, Roses and Carnations.

Our usual quality (the best)

1619-1621 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Begonia and Cyclamen

Plants in bloom

THE ROBERT CRAIG COMPANY

4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Philadelphia

The Christmas Market

Thursday and Friday before Christmas saw a slow market. With Saturday morning came rain which lasted until noon. Heavy arrivals of stocks came into the markets, most abundant of all being the pink and white Roses. The sales continued from morning till midnight on Saturday; a large volume of stock was moved, but the wiser heads realized early that extremely high prices were not to be obtained this Christmas, and by beginning in time to make concessions in price they cleaned out by the time sales were over on Monday, of practically all stocks. Sunday sales were comparatively few. From Monday morning till 2 p. m. of that day sales were again heavy. Those who tried to hold up prices had considerable stock left on hand after the battle was over. It is the expressed opinion of prominent wholesalers that the volume of sales was considerably larger than that of Christmas, 1909, but the prices considerably lower. It is said that growers, as usual, held back stock, and threw too much on the market at one time and so broke prices.

The prices obtained from Saturday morning till Monday p. m. were about as follows, but the top prices, it should be understood, were somewhat flexible: American Beauty Roses, specials, $1, extras 75c., No. 1 50c.; Killarney, 10c. to 30c.; Mrs. Jardine and My Maryland, 8c. to 30c.; Richmond, 8c. to 40c.; Bride and Bridesmaid, 6c. to 25c.; Golden Gate, 6c. to 20c.; Perle, 6c. to 12c. Rank concessions were made in bottom as well as top prices. Carnations, 4c. to 12c. each, the latter price being obtained for some red blooms. It is reported that a few Mrs. C. W. Ward realized 15c. each. Cattleyas, 75c.; Dendrobiums, 50c.; Cypripediums, 15c. each, only the current price. Gardenias, $3 to $7.50 per doz.; Poinsettias, $12.50 to $30 per 100; Violets, single, $1 to $1.25, double, $1.50 to $2 per 100; Sweet Peas, 75c. to $1.50 per 100. Other stocks realized only the current prices in our quotations for December 27.

It is hardly necessary to say in closing this report that the heavy shipping trade which this city has built up was a large factor in disposing of the great volume of flowers arriving in the market.

Plants and Christmas Greens

Plant sales were heavier by far than ever before, and most of the plant growers in and around the city disposed of all available stock. The sale of Christmas greens was extremely large, and prices were very high, until late arrivals just on the eve of Christmas smashed the existing prices to smithereens, causing a decline in Boxwood from 30c. to 15c. per pound, and reducing the $5 per case price of Holly fully one-half. Considerable of both remain unsold.

Notes

John W. McIntyre, 1601 Ranstead st., is now one of the largest handlers of quality Lilac in this country. It is his specialty, and his sales of this beautiful flower are increasingly large.

Edward Reid, 1619 to 1621 Ranstead st., served his Southern customers to whom he ships so satisfactorily that he was the recipient on Christmas Day of several messages on the long-distance 'phone, congratulating him on his success in long-distance shipments.

The S. S. Pennock-Meehan Co., by dividing its numerous force of employees, and having part on duty one day and part the other, was enabled to give to all of its men the enjoyment of a Christmas holiday, much to their satisfaction. This company has added the two new Roses, Sunburst and Mrs. Aaron Ward, to its list of Rose plant offerings.

The Leo Niessen Co., 1209 Arch st., has the honor of receiving for its Mrs. C. W. Ward Carnations the highest price paid for any Carnations during the Christmas sales. The excavation for the cellar of its new building on the corner of 12th and Race sts. is nearly completed.

The Robert Craig Co.'s plant sales show a triple increase over those for December, 1909, and now the company has already put in the propagating bench 140,000 leaves of Begonias, for next year's plants, and the end is not yet. The many friends of Robert Craig, Sr., regret that he is still confined to the house with a severe cold.

Philadelphia Retail Notes

Wm. Crawford 5210 Market st., and several of his neighbors, have each installed two of the Humphry gas lamps over the fronts of their stores, resulting in better illumination and increased trade. This section of Market st. is now one of the brightest and best lighted of any, and all in keeping with the progressiveness of the 52d st. Business Men's Association, in which Mr. Crawford is a leader.

R. Jamison & Son, of Chelten ave., have some 20,000 sq. ft. of glass, most of which is devoted to Carnations, the best of them, Enchantress and Beacon, seeming to be of unusual size and quality. One house is now very rich in Poinsettias for cut stock. Trade here is very brisk.

Max H. Rothe, 7142 Germantown ave., has a splendid lot of Poinsettias,

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.
Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS
PETER REINBERG
Wholesale Cut Flowers
51 WABASH AVE., CHICAGO, ILL.
Headquarters for American Beauty Rose
Please mention the Exchange when writing.

Wietor Bros.
Wholesale Growers of
CUT FLOWERS
All Telegraph and Telephone orders given prompt attention.
51 WABASH AVENUE, CHICAGO
Please mention the Exchange when writing

ST. PAUL, MINN.
Send us your orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
FLORISTS ST. PAUL, MINN.
Please mention the Exchange when writing.

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA
Please mention the Exchange when writing.

Poehlmann Bros. Co.
WHOLESALE GROWERS OF
and DEALERS IN CUT FLOWERS
All telegraph and telephone orders given prompt attention.
35-37 Randolph St., - CHICAGO
Greenhouses: MORTON GROVE, ILL.
Please mention the Exchange when writing.

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS
51 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

HOERBER BROTHERS
Wholesale Growers
ROSES and CARNATIONS a specialty
Prompt attention to all orders.
51 Wabash Ave., CHICAGO, ILL.
Greenhouses, Des Plaines, Ill.
Long distance telephone, Randolph 2785
Please mention the Exchange when writing

Wholesale Prices of Cut Flowers, Chicago, For New Year's

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	6.00 to	8.00
30-inch stems.. "	4.00 to	6.00
24-inch steme.. "	.... to	4.00
20-inch stems.. "	.... to	3.00
18-inch stems.. "	.... to	2.50
12-inch steme.. "	.... to	2.00
8-in. stems and shorts "	.... to	1.50
Killarney	6.00 to	8.00
" extra	10.00 to	12.00
White Killarney	10.00 to	12.00
Richmond	10.00 to	15.00
My Maryland	10.00 to	15.00
Bride, Maid, fancy special	8.00 to	10.00
" extra	4.00 to	5.00
" No. 1	.... to	3.00
" No. 2	.... to	2.00
Perle	7.00 to	9.00
Chatenay	6.00 to	10.00
Kaiserin	8.00 to	10.00
Uncle John	8.00 to	12.00
Mrs. Marshall Field	.... to	12.00
Adiantum	.75 to	1.00
Asparagus, bunch	.35 to	.50
" Sprengeri	.35 to	.50
Callas	15.00 to	18.00
Chrysanthemums, doz.	.... to	....
" fancy doz.	.... to	....
Daisies	....to	....
	.... to	....

CARNATIONS		
Standard Varieties: White	3.00 to	4.00
Standard Varieties: Pink	3.00 to	4.00
Standard Varieties: Red	3.00 to	4.00
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	5.00 to	8.00
*Fancy: Pink	5.00 to	8.00
*Fancy: Red	5.00 to	8.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	2.00
Galax (green)	.... to	1.00
" (bronze)	.... to	1.00
Lilies, Harrisii and Longi.	15.00 to	18.00
Lily of the Valley	4.00 to	5.00
Mexican Ivy	.... to	1.00
Mignonette	4.00 to	6.00
Narcissus—Paper White	3.00 to	4.00
Orchids—Cattleyas	60.00 to	75.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	....
Smilax	12.00 to	15.00
Stevia	1.50 to	2.00
Sweet Peas	.75 to	1.50
	.... to	....
Violets, single	.75 to	1.00
" double	1.50 to	2.00
Gardenias	25.00 to	35.00
Roman Hyacinths	3.00 to	4.00
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.
Wholesale Florists and Headquarters for Florists' and Growers' Supplies
Write for catalogue
19-21 Randolph St., CHICAGO, ILL.
Please mention the Exchange when writing.

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
52-54 Wabash Ave., CHICAGO
Please mention the Exchange when writing.

and reports some good sales. His Carnations are excellent. He was fortunate in securing the services of W. J. Mangan as foreman, who was formerly with Haines, of Bethleham, Pa. Business here has been very fair for the season.

Grover's Flower Shop, 2926 Ridge ave., had a very attractive window decoration of Christmas novelties, and made some nice sales in these goods.

Poryzees, 15th and Chestnut sts., reports that Steve Poryzees has opened a flower store in Chester, Pa., and is doing fine.

John C. Gracey, 2034 Columbia ave., has his store nicely filled and decorated with Japanese Air Plants, and fungus-wood novelties.

The Atlanta Florist Store, 1123 Girard ave., opened for business on December 15 with a complete stock of Christmas novelties. The proprietor intends to make a specialty of potted stock. This store is a branch of the store at 1202 Filbert st. and under the management of Geo. Haas, formerly salesman for Stern, and the Filbert st. store is conducted by C. W. Morris.

Chicago

The passing of another Christmas Day marks in the business annals of the Chicago flower market one of the greatest Christmas businesses on record. Unlike the holiday last year, there was no surplus stock on this day; with but very few exceptions all stock was cleaned up nicely and most of the wholesalers declare that the volume of business was ahead of last year. In the plant line, practically everything was disposed of, and many of the large stores had to replenish their plant stocks more than once, as anything in the shape of a plant was in demand. The growers were forced to send in plants that would have been much better a week later as regards blooms, but with the shortage these met with a ready sale. There was not nearly the amount of bulbous stock as is usual, but the Azaleas, Cyclamens and Begonias were beautiful and led as favorites. Poinsettias were not nearly as good at any place as those of last year, the flowers not having developed evenly, and plants seeming stunted; quantities, however, were sold, as the red flowers lead as a Christmas color. The quantity of Holly and Boxwood that was obtainable was astonishing in the latter part of the week, and while there is a little left over it is stated that never before was so much utilized. The makers of Holly wreaths say that they could have sold hundreds more had they had them. In no line at all associated with the business was any disappointment felt, and Monday morning found everyone utterly fagged out and anxious to close early to seek a much needed rest.

The deaths, by fire, at the Stock Yard, of so many of our firemen last Thursday, called for immense quantities of flowers, and the demand coming just at this season, with the majority of the funerals on Sunday and Monday, kept the florists hustling to keep pace with the orders. There were few florists who did not get a share of this work, although the large work from the corporations was confined to three or four houses. Particularly at the funeral of Chief Horan on Monday was the display of flowers enormous, two trucks being used to convey them to the cemetery; among them were some very noteworthy designs, composed entirely of Lily of the Valley, Orchids and Violets. To Peter Reinberg was consigned the order from the City Council, and this alone called for seventeen 30-inch wreaths, on bases, identically alike, of Galax and Roses, for each fireman, buried on Sunday and Monday. A casket cover for the Chief was also included, with various other flowers. Mangel also had a big share of the work for Chief Horan's funeral, among his pieces being a plaque on easel, 6 x 5 ft., with five trumpets, the Chief's emblem, on a green background; the trumpets were made of white Carnations and Violets, surrounded by Cattleyas, Cypripediums and Hyacinths, finished with Orchid ribbon; a 30-inch wreath of Orchids, Violets and Valley from the Morris Packing Co., a duplicate of same also being sent to Assistant-Chief Burroughs' funeral on Saturday. Another beautiful wreath was composed of white Carnations, pink Roses, Orchids and Mignonette. The house also had numerous other designs from friends of the Chief.

The florists appointed on the relief fund committee for the firemen's widows and orphans are J. C. Vaughan, Peter Reinberg and W. R. Peterson.

A. T. Pyfer of The Chicago Carnation Co. says that they were able to fill nearly all orders for Christmas, as their Carnations increased in crop wonderfully in the few days preceding Saturday, giving them a greater quantity than looked for. Peter Olsem and other extra hands were called on to help get the numerous orders ready to ship.

Poehlmann Bros. Co. had an uuusually large quantity of stock, of quality unsurpassed. Adolph and August Poehlmann were both kept busy at the store for several days, helping to move the orders. Business was excellent.

Bassett & Washburn report that the Christmas business was a record breaker, and that while prices were not as high as last year there was a greater supply of Roses, especially in long stemmed American Beauty, which came into full crop and was never more plentiful; notwithstanding this, however, Mr. Washburn had to hustle to procure more long stemmed stock to complete orders.

Wietor Brothers' business was excellent, in spite of the fact that their Richmond Roses were off crop. They were, however, fortunate in having two houses of red Carnations, from which they cut for Christmas Day alone 6000. The other varieties of Roses and all first grade stock was readily disposed of. N. Wietor, who was on the sick list last week, is again able to be at the store.

Hoerber Brothers say that they more than doubled their business this year. All stock practically came from the old houses, as the new houses are not as yet yielding any crops. The firm was able to fill all orders and did not have to turn a enstomer away.

With Charles McKellar the demand for Orchids, Violets and Valley was great, the call for Orchids being unusually brisk.

Vaughan & Sperry had an excellent supply of all flowers, particularly American Beauty Roses. All good stock was in great demand.

The A. L. Randall Co. had a very busy holiday season, with business quite in excess of that of last year.

The J. B. Deamud Co. was unusually busy, both with its shipping and local trade. The supply here was in all lines equal to the demand. The Richmond Roses arriving for some time past at this house have been extra fine, both in color and length of stem. The business done at this house was far ahead of that of last Christmas.

Vaughan's Seed Store did a land office business in Christmas greens and holiday stock. The extra fine Holly obtainable here was all disposed of. The force was kept busy for two weeks with the Christmas business.

Winterson's Seed Store had its usual stock of miniature Christmas trees, which all cleaned up the night before Christmas. This novelty is becoming more popular each season. All Christmas greens were cleaned up.

It is rumored that in the near future there will be several more wholesale florists' houses added to the list, as those who have had stands in the flower growers' market are seeking other quarters. It is thought that some wholesaler will take up the place soon to be vacated by E. C. Amling Co.

John Gormley, of Canger & Gormley, who underwent an operation a short time ago for abscess in the stomach, has had a relapse, and was taken to the Chicago Union Hospital on December 20. His condition at this writing is serious.

A. C. Rott of Joliet spent part of Tuesday in town, and says that the florists in Joliet had a great Christmas trade, everything in the line of cut flowers and plants being cleaned up.

Jos. Labo of Joliet has opened a new retail flower store there, in Hobbs' new building, corner of Clinton and Ottawa sts.

E. F. Winterson put in an appearance on Christmas morning wearing a new fur lined overcoat with beaver collar, the gift of his mother. He is very proud of this gift.

The LaSalle st. station florist has secured space in the R. & O. depot, and will open a flower stand there the first of the year.

It is estimated that in Chicago alone 200,000 Christmas trees were disposed of.

Visitors: G. C. Thompson, of Northrup King & Co., Minneapolis, Minn.; A. M. Augustine, Normal, Ill.

The sympathy of the trade is extended to O. J. Friedman in the death of his sister, Mrs. Jas. Rosenthal, who died on Friday, December 23.

WHAT HAPPENED.—A Yankee who had foregathered with a Scotsman was holding forth on the wonders of his native country in the usual tall fashion. "Why, man," he said, "I planted some doghips one day at dinner time, and at night I was cutting Roses off the bushes that grew up." "Man, that's naething," answered the Scotsman. "Oor cat dee'd and we buried it in the back garden, and in twa three 'oors a sanitary inspector cam' up."

Newport (R. I.) Hort. Society

A regular meeting was held on Tuesday, Dec. 27, President Andrew S. Meikle in the chair. A committee of five was elected to furnish essays during the year. It is proposed to have something else besides routine business at the meetings, especially during the Winter months.

P. J. Van Baarda, representing Joseph Breck & Sons, was present, and intimated that on their behalf he was authorized to offer a silver cup to be competed for at one of the Society's exhibitions during the season of 1911; it was voted to accept the offer with the thanks of the Society. The firm is to be asked to name the object they wish the cup competed for.

There was a discussion as to what causes degeneration in plants, and particular reference was made to the Carnation family; it seemed to be the general opinion that inbreeding and bad management in planting, watering and ventilating were the principal causes of the trouble. Early planting in the benches was advised for some varieties of Carnations such as the Lawson.

Several of the members present promised to prepare papers, so that some very interesting discussions may be expected in the near future.

ALEX. MACLELLAN.

F. E.—Best Advertising Medium

Fine Ferns and Blooming Plants

Securely packed and delivered to the Express Company in good condition, when our responsibility ceases.

FERNS, Bostoniensis, Piersoni, Elegantissima, Exaltata and **Scottii,** 5 inch 25c.; 6 inch 50c.; 7 inch 75c. and $1.25; 8 inch $1.00 and $1 50; **Specimens** in 9 inch 10 inch and 12 inch. $2.00, $3.00, $4.00 and $5.00.

SPECIAL VALUE IN THESE.

ARAUCARIA EXCELSA, 5 inch 50c.; 6 inch 75c.; 7 inch $1.00 and $1.25.
ARAUCARIA EXCELSA GLAUCA, 6 inch $1.50; 7 inch $2.50.
CYCLAMEN, Red only, best Christmas seller, 6 inch 50c., 75c. and $1.00.
BEGONIA LORRAINE, 5 inch 75c.; 7 inch $1 50.
AZALEA INDICA, 75c, $1.00 and $1.50.
SOLANUM (Jerusalem Cherries), extra fine, 5 inch, 6 inch, 7 inch, 25c, 35c. and 50c.
ROMAN HYACINTHS, 6 inch 65c.; 8 inch $1.25.

Stock all A1. Correspondence invited. Cash with Order.

THE H. WEBER & SONS CO., OAKLAND Maryland.,

Please mention the Exchange when writing.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Palms, Ferns, Decorative Plants

Especially Scottii Ferns

Please mention the Exchange when writing.

THE CHEAPEST FERNS

Are not always the best to buy.

Ours are not the cheapest, others may be just as good but none are more carefully packed. We keep all our old customers and occasionally gain a new one. May we send you a sample shipment? **$3 00 per 100, for 50 or 5000.** Cash or satisfactory references please

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Cibotium Schiedei, handsomest and most decorative Fern in cultivation, strong, 4-in. stock, ready for a shift, $8.00 per doz., $65.00 per 100; 7 to 8 and 10 in., $2.50, $3.75 and $5.00 each.

Dicksonia Antarctica. I have a splendid stock of this graceful, strong growing Tree Fern, in 4-in. pots, $8.00 per dozen, $65.00 per 100.

FERNS FOR FERN DISHES

Largest stock in the country, several hundred thousand strong, healthy, bushy, 2¼-in. stock, now ready; **assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000; 5000 for $100.00; 3 and 4 in. stock, in 5 good varieties, $5.00 and $12.00 per 100.**

Fern Seedlings in 6 good Fern dish varieties, strong clumps, will make 2¼-in. stock in a few weeks, $1.00 per 100, $9.50 per 1000.

Boston Ferns, 7-in., 75 cents each, $8.00 per dozen.

Asparagus Sprengeri, 2½-in., $3.00 per 100, $25.00 per 1000.

Fern Spores, home grown, guaranteed fresh, in 12 best sorts, for Fern dishes, in separate packages, 50 cents each, $3.00 per doz.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS, BARGAINS TO CLOSE OUT. POT-GROWN, FINE STOCK

Scottii, 4-inch pots, $12.50 per 100. **Todeaoides,** 4-inch pots, $12.50 per 100.

Pandanus Veitchii, 4-inch pots, well colored, at 30 cents each.
HENRY ENGLER, 4651 Lancaster Ave., PHILADELPHIA, PA

Please mention the Exchange when writing.

8000 Whitmani

These are fine stocky plants, just right for pans or baskets with other plants; 4 inch $12.50 per 100, 3 inch $8.00 per 100.

Superbissima, 4 inch $25.00 per 100, 3½ inch $20.00 per 100.

Todeaoides, 4 inch $20.00 per 100, 3 inch $12.00 per 100.

Fern Dish Ferns, 2¼ inch $3.50 per 100.

Asparagus Plumosus, 3 inch $5.00 per 100, 2 inch $2.50 per 100.

Cash please. We grow only plants and sell exclusively wholesale.

The Reeser Plant Co.
Springfield, Ohio

Ferns—Ferns

FERNS FOR JARDINIERES, from 2¼ inch pots, in 6 to 8 best varieties, ready for immediate use; good, strong plants, $3.00 per 100, or $25 00 per 10 0

NEPHROLEPIS SCHOLZELI and SCOTTII, very bushy: from 6 inch pots, at 50 cents each.

KENTIAS and COCOS, for centers, 10 cents each

CIBOTIUM SCHIEDEI, in 4, 5 and 6 inch pots, ready about April 1st.

THOS. P. CHRISTENSEN,
SHORT HILLS, N. J.

Please mention the Exchange when writing.

Milwaukee

Well, the Christmas rush is all over, and everyone tired out but well satisfied with the results, as business was fully up to expectations. Most of the stock in cut flowers was very good and brought fine prices, with enough of everything to go around excepting Carnations, which were very scarce the last two days. There was not near as much pickled stock on the market as usual; this was a great relief to the retailer because, when a customer pays a big price for stock, he is entitled to it fresh for his good money.

Holton & Hunkel Co., wholesalers, reported a large sale on flowering plants, such as Poinsettias, Azaleas and Cyclamen. They sold all the Carnations they could lay their hands on, and on Friday and Saturday they stopped taking orders for them.

American Beauty Roses sold well and very few were left; there were very few short or medium, nearly all long stock and very fine; all other Roses sold up clean every day.

C. C. Pollworth & Co., wholesalers, report a large sale of plants such as Poinsettias, Azaleas, Cyclamen, Primulas and Lorraine Begonias. Cut flowers went fine, with enough of most everything to go around. Their Roses and Carnations were in fine crop and prices were good. Their sales on Alabama Smilax, Holly and wreathing were large.

Currie Bros. Co., retailers, report a very fine business, the largest portion of it being of plants, of which they grow a lot in their own greenhouses. They had about twice as many as last year and were not sure that they would sell them all, but all went and they could have sold more had they been obtainable. They had a lot of fancy baskets made up which sold like hotcakes at any price asked. The demand for large plants was greatly increased over last year such as for large Azaleas, Poinsettias and Cyclamen; they were about the only firm in the town to have a large supply of these. They also had lots of smaller plants to supply the cheaper customers. Cut flowers went good and of these they had a very fine stock. They report a good sale of Alabama Smilax, Holly and Holly wreaths, and had a number of Christmas decorations. They had a great deal of funeral work during the rush, which sort of upset things.

M. A. McKenny & Co. say business was fine, plants leading the cut flowers. They report a scarcity of large flowering plants, for which they had much call. They have a fine roomy basement in which to show off their plants individually; this is a great advantage.

J. M. Fox & Co. report trade about the same as last year. Mr. Fox says they had all they could handle and hired all the extra help they could get. They sold about as many cut flowers as plants. They had a number of Christmas decorations and a reception decoration on Monday.

Walter M. Maas & Co., a young firm in the business, this being their second Christmas, report business about triple last year's, plants and cut flowers selling about equally. This firm had just purchased a delivery automobile the week before Christmas; they also had to hire another to help them out; Mr. Maas says this is the best way ever to clean up deliveries.

W. C. Zimmerman reports trade about as usual, mostly in plants. He says he expected more cut flower trade and bought heavily, therefore had quite a little stock left on his hands. He says his customers did not buy as high priced goods as formerly, a number of them cutting their orders down $5 and $6 or so; this the writer thinks was true of most of the store trade. They had quite a lot of funeral work during the rush.

Edlefsen-Leidiger report great trade in all lines; they had fine cut flowers and a nice lot of flowering plants which sold well. They say they were surprised at the number of green plants they sold, such as Palms, Boston and Whitmani Ferns, etc. They say they usually get some sleep during the rush but this year they were so busy they couldn't waste time for it.

Baumgarten Floral Co. report a good business in both cut flowers and plants.

R. J. C.

Peoria, Ill.

Business in Peoria has shown an improvement over that of last year. Carnations are very scarce, but some good Roses are being cut here, with Killarney as the favorite, prices of which range from $1 to $3 per dozen at retail. Some good Violets are also arriving. With the exception of a few cases of Holly, however, the florists here are not handling any Christmas greens, leaving this class of trade to the marketmen.

Frank H. Rue has added a cut flower department to his seed business, and reports a good holiday trade, and that his new Spring catalog is in the press.

C. Loveridge reports a good Fall and holiday trade, and is cutting some fine Killarney and Richmond Roses. He intends, in the future, to eliminate Bride and Bridesmaid Roses entirely and grow Killarneys instead.

J. Murray finds his new location very desirable and claims his greenhouses are in better condition than ever before, and yielding a good cut, particularly of Roses. Mr. Murray is one of the pioneer florists of Peoria, and although over 63 years of age is still active in the business.

D. U. Augspurger & Sons report a fine trade, and that all indications point to a good Spring business.

J. M.

ASSORTED FERNS

For Dishes

Strong, healthy plants, 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100, $55.00 per 1000; 4-in., $12.00 per 100, $100.00 per 1000.

COCOS Weddelliana, 2¼-in., 12 to 15 inches high, $1.50 per doz., $10.00 per 100; 3-in., $15.00 per 100.

KENTIA Belmoreana and **Forsteriana,** 2¼-in., 4 leaves, $10.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

FERN SEEDLINGS IN FLATS

IN THE BEST EIGHT (8) VARIETIES

108 Clumps in a Flat, at $1.50 per Flat

Assorted Ferns, extra heavy, from 2¼-in. pots, ready in large lots, $3.50 per 100; $30.00 per 1000.

20,000 **KENTIA Belmoreana,** clean stock, in 2¼-in. pots, $6.00 per 100; $55.00 per 1000. Cash or satisfactory references with order.

B. SOLTAU FERNERY
199 Grant Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS *READY NOW*

Strong Stock, 2¼ inch Pots.

SCHOLZELI, $6.00 per 100.
SCOTTII, $5.00 per 100.

CHAS. H. CAMPBELL, Florist, Philadelphia, Pa.
3601 GERMANTOWN AVENUE

Please mention the Exchange when writing.

FERNS out of BENCH

Elegantissima, Piersoni and **Boston** for 4-5 and 6-inch pots.

4 inch $10.00 per 100; 5 inch, $18.00 per 100; 6 inch, $25.00 per 100. Good stocky plants. Cash with order, please.

E. L. RILEY, R. F. D. No. 2, Trenton, N. J.

Please mention the Exchange when writing.

BOSTON FERNS

2½-inch $30.00 per 1000.

WHITMANI FERNS, 2½-inch, $5.00 per 100, $40.00 per 1000; 150 at 1000 rates.

NEPHROLEPIS MAGNIFICA, 2½-inch, 15c. each.

HENRY H. BARROWS & SON
WHITMAN, MASS.

Please mention the Exchange when writing.

Table Ferns

2½ inch pots

Extra fine and bushy stock for immediate use, $3.50 per 100.

H. E. LePAGE, Stamford, Conn.

Please mention the Exchange when writing.

FERNS

SCOTTII and BOSTON, fine stock, pot-grown, 4-inch 15 cents; 6-inch 50 cents; 7-inch 75 cents; 8-inch $1.00 each.

COCOS WEDDELLIANA, 2½ inch 10 cents each, $9.00 per 100.

H. WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

MANUFACTURED BY
THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
BY FAR THE CHEAPEST.

Just Note Prices!

Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
5 Gallons . . . 47.25

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.
CAMBRIDGE, MASS. Established 1765.

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STANDARD FLOWER POTS

Packed in small crates easy to handle

	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	HAND MADE 48 9 in. pots in crate	$3.60
1500 2½ " "	5.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3 16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4.20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4 50

Seed pans, same price as pots Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft.

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, Agts., 31 Barclay St., New York City

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ALL THE CLAY FOR OUR FLORISTS' RED POTS

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

The Peters & Reed Pottery Co., ZANESVILLE, O.

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Red Standard Pots



Look ahead and see where you can get the **best Pot for your money** you are going to spend this Spring to stock your greenhouses.

Think of us.

Write us.

Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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THE BEST Bug Killer AND Bloom Saver

FOR PROOF WRITE TO

P. R. Palethorpe Co.
Owensboro, Ky.

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable



When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake Street
CHICAGO, ILL.

Please mention the Exchange when writing.

THE AMERICAN CARNATION By C. W. WARD

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.
2 TO 8 DUANE STREET, NEW YORK

Bloomington, Ill.

There is a similarity in conditions here in the florist trade to those of the street car service in New York, in that New York has, perhaps, one of the most modern street car services in the country and at the same time antiquated horse cars are seen in certain sections of the city. While in Bloomington we find some very modern and uptodate florist shops, which compare very favorably with those of other and larger cities, we find a few—fortunately a very few—establishments that are in the same state of progressiveness they were years ago; for example, there is the store of A. Washburn & Sons, a thoroughly modern flower shop, occupying several floors of a building and located on one of the main streets, and within a few minutes' ride on the street cars from this store your correspondent noticed an establishment where Carnations and chickens were being raised on the same bench, only a wire screen separating the two.

Geo. Callahan, store manager of the Phœnix Nursery Co., reports a fine holiday trade, particularly in Christmas greens and trees, and that Carnations are exceedingly scarce, not nearly enough arriving to meet the demand.

Wm. Saddler, of Saddler Bros., reports that business with the firm has been at least 10 per cent. better than in preceding years, and from indications the coming year will in all probability be better still.

A. Washburn & Sons are cutting some very fine Enchantress Carnations at present. J. M.

Brockton, Mass.

C. E. Field, who was formerly in the Mass., having recently purchased the florist business at East Bridgewater, so called Crawford greenhouses at Montello (Brokon), and is now growing Carnations, Violets, Chrysanthemums, other usual stocks, for the wholesale wholesale market.

Kalamazoo, Mich.

Now that the Christmas of 1910 has passed into history, the two most prominent items to be noted are the short cut of flowers and consequent high prices. The chief effects of these seem to be that while the downtown dealers probably did as well or better than usual, the suburban grower hardly did as well, for we find that although buyers are willing to pay the storemen the prices made necessary by the shortage of stock, the customers of the grower did not see a reason for a double price, so, consequently, they sold at a little advance what stock they had and then let the rest go. Downtown, however, the wholesale prices were followed, and I am assured that red Carnations were sold at $2 per doz., American Beauty Roses at $18, and Orchids at $24 per doz. Violets brought $1 per bunch of 25, which is probably the highest price ever realized here. In general, however, prices ranged a little lower, and $12 was the average for Am. Beauty Roses, $1.50 to $3 for Teas, $1 to $1.50 for Carnations, 75c. per bunch for Violets, 75c. per doz. for Valley, 60c. per doz. for Romans, Narcissus, etc.

Pot plants sold well, and Van Bochoves kept three wagons busy delivering most of the week. This firm carried a big line of plants, and also had a record cut of long Am. Beauty Roses; they expect their sales to exceed those of any previous year. Their store was well decorated and a large force of salesmen kept busy all the week. I think their store force was 20 during the time, which indicates some business for a town like this.

Holly wreaths sold well at 25c. to $1; Boxwood balls, 75c. to $1; wreaths and baskets of the same anywhere from $1 to $3; hearts and crosses of the same goods were also in demand, all helping out the shortage of cut flowers.

The funeral of a prominent wealthy man on Wednesday called for a big supply of flowers, the Fisher Co. alone disposing of 200 long Am. Beauty Roses at $1 each; and this concern told me they totaled nearly $500 of business from the funeral. Their Christmas display was good and a large quantity of cut flowers were shown by them, of all varieties, including a fine bunch of Cattleyas. Altogether—while no one is complaining—the dealers and store men made the best they could of the trade of Christmas, 1910. The weather was good for the two weeks previous to the holiday, and it all helped to do good. Wishing the EXCHANGE and its readers a Happy and Prosperous New Year. S. B.

KILMDEAD



25 lbs., $1.00 | 100 lbs., $ 3.00 | 1000 lbs., $27.00
50 lbs., 1.75 | 500 lbs., 14.00 | 2000 lbs., 52.50

Stumpp & Walter Co. 50 Barclay St. New York.

Please mention the Exchange when writing.

"FRIEDMAN'S BEST" TOBACCO POWDER

For fumigating and sprinkling combined, 8 cents per lb. in 100 lb. sacks, $50.00 per ton.

TOBACCO STEMS, 50 cents. per 100 lbs.
TOBACCO DUST, for sprinkling, 1 cent per lb.
ROYAL INSECT POWDER, 50 cts. per dozen boxes, 5 cts. per lb. in 100 lb. sacks.

J. J. FRIEDMAN
285-289 Metropolitan Ave., BROOKLYN, N. Y.

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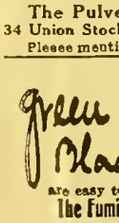
Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago

Please mention the Exchange when writing.

Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Please mention the Exchange when writing.

Baltimore

The Market

Christmas business was most gratifying to the trade throughout, everyone satisfied with the results. The retailers were greatly rushed, although business might have been the opposite, on account of the disagreeable weather we have had. By the end of the week a change for the better came, and a good demand in all lines was experienced. This year many more floral presents were made, and some costly made-up pieces were disposed of. Cut flowers and pot plants were heavily called for. Novelties were in good demand, and the arrangements of the offerings were tempting for anyone. A great deal of Holly was thrown upon the market, but poor in quality. Mistletoe was to be had in plenty, also Christmas greens and Christmas trees. Roses sold at retail for $5 per doz.; Carnations, $1.50 to $2; American Beauty Roses, $18 to $20; Violets, $2.50; Callas $3.50 per doz.; Orchids $1.50 each. Novelties sold at reasonable prices.

Notes

At The Holland, F. W. Meyerdick proprietor, Liberty and Fayette sts., business was in every way satisfactory, exceeding that of last year. They had many calls for Orchids, and Lily of the Valley. Their pot plant trade was exceptionally good, Poinsettias being leaders. The store window display was seasonable, with Southern Smilax, miniature electric lights, Ferns and fancy baskets of potted plants for the ground effect.

Wm. J. Halliday had a lavish window display, consisting of a huge bank of choice Cypripediums with choice Ferns and Southern Smilax. His window is a large one and the get up was very neat. He reports business very satisfactory, stock sold out entirely.

C. E. Smith, N. Liberty st., reports business this year very satisfactory, selling out entirely. He handled large quantities of choice Poinsettias. His cut flower trade was very heavy, especially in Roses.

Samuel Feast & Sons had an excellent Christmas trade. They had many decorations on hand for churches and dinners. The call for novelties was extremely heavy with them, and many handsome pieces were disposed of at good prices. Their store was handsomely decorated, and their busy corps of workmen worked like bees.

Trade with Halliday Brothers was very heavy, Lilies, Poinsettias, pot plants and Ferns moving lively. Their cut flower trade was also large. John Cook, N. Charles st., had a good increase over last years business and was sold out entirely of all blooming plants. He had many decorations on hand for churches and dinner parties. Orchids, Gardenias, Gloire de Lorraine Begonias, Poinsettias and numerous other pot plants sold well. He also had Rose tree novelties that met a popular demand. He carried a fine collection of choice novelties, some selling as high as $15. Tastefully arranged baskets of My Maryland Roses were made up, and sold well. The call for cut blooms was heavy. The window display was charming, quite dainty in appearance.

The holiday business of E. A. Seidewitz doubled that of last year; the call for Poinsettias was particularly good, and cut flower trade was fine, especially in Roses. The pot plant trade was very good. He had a most appropriate window display.

C. Gregorious, Arlington, Md., reports a clean sale of everything.

Edward Fauth, Pennsylvania ave., did a large Christmas business using all his father's stock and considerably more.

John M. Spielman was in the market with a large collection of trees and decorative greens, in which he did a large business. During the week someone stole a number of his trees.

George Lurssen of The Flower Garden had good business at both stores. He opened a new store at 612 N. Fremont ave., a short time ago, and business has been quite satisfactory.

James Glass disposed of a great many pot plants in market; he certainly did take a risk. James only smiles at cold weather, as he can well take care of the perishable stock he brings to market. His stall is nearly always a leader in appearance.

August Eberhardt had the largest stall ever put up in market; it was a rare beauty, and included much design work. A new cash register has been added to the stand. Business was great, large quantities of Christmas goods being disposed of.

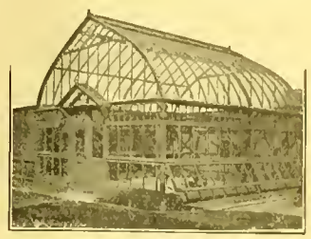
The Florists' Exchange was a busy place, doing about the same amount of business as last year, and practically selling out. A good supply of stock was available excepting Violets, red Carnations and red Roses. Other Roses were in good supply and sold well up to 15c. each. Carnations were not so plentiful and sold up to 10c. each. Callas brought $2 per doz., and Poinsettias 20c. to 35c. each; Sweet Peas were short in supply. Paperwhites were in quantity, and greens of all kinds in good supply. Outoftown arrivals were heavy in cut flowers, much stock being offered at reduced figures, thus holding back our own growers' flowers.

John Eberhardt had a successful business, both in store and market, and had some fine decorations to handle. He had the decorations for the Harmony Ball, using 300 Palms, 50 Ferns, and 6 cases of Southern Smilax. He had a staff of six decorators.

Charles Cook, Catonsville, Md., is building two new greenhouses, 10x100 and 20x100 ft. respectively.

Samuel Feast & Sons are, as usual, first in the trade with an innovation. Last Monday week they put in commission a new 22 h. p. Ford auto delivery car.

J. L. T.



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The Leading Firm on the Pacific Coast

CONSERVATORIES and GREENHOUSES

Designed and built by me, comprising the latest improvements in Construction, Ventilation, Heating, etc., will give continued satisfaction and profit. **Iron** and **Steel** Frame Construction is my Specialty.

Plans and estimates cheerfully furnished on application.

GEORGE C. PAPE, 2001 Addison Street BERKELEY, CALIFORNIA

Washington, D. C.

In spite of a continuation of the hard weather and cold prevailing during the past few weeks, the Christmas spirit seemed to grasp all Washington as firmly as the ice and snow upon its streets. The general opinion of the florists is that business on the whole was 25 per cent. better this season than ever before, while many claim, unhesitatingly, an increase of 50 per cent. over receipts of former years. There was a large quantity of cut flowers on the market, with a general average of good quality throughout, but prices ranged so high that many more pot plants than are usually sold moved at a lively pace. Notwithstanding this fact, and the almost prohibitive prices on red Roses, red Carnations and Poinsettias, almost every dealer and the wholesale houses had oversold by noon on Saturday, and practically everything, down to a few Christmas wreaths, had been cleaned up by Sunday night. Never has Washington had such a run on Azaleas, Begonias, and wreaths of both natural and artificial make up.

Wholesale prices ranged as follows: American Beauty Roses, specials, brought $12 to $15 per doz., and fancies $8. Prime Roses of other grades and kinds, exclusive of reds, sold at from $8 to $15 per 100; while Richmond easily commanded from $10 to $20 per 100, and in some cases went as high as $35, where qualities were extra fine. No red Carnations were sold under 12½c. apiece, except the inferior flowers, around the markets, and other colors brought 8c. to 10c. The general shortage on Violets, which has prevailed throughout the season, was manifest, and flowers offered sold quickly at 75c. per bunch for Virginia grown to $1.50 and $2 for stock from New York. Poinsettias sold for $2 to $3 per doz. and moved rapidly until stock was exhausted. The supply of Valley was about equal to the demand, sprays selling at 2, 3 and 4c. each. This, and an unusually large lot of Paperwhite Narcissus constituted the only bulbous stock offered. In the latter three distinct grades were on sale at $2, $2.50 and $3 per 100. Cattleyas brought $9 per doz.; Gardenias, $6, and Callas and Harrisii Lilies $1.50. Adiantum brought $1 per 100 fronds; Mignonette, $3 to $6 per 100 spikes; and Stevia, 25c. a bunch. The Exchange had a shipment of 15,000 sprays of Mexican Ivy which they sold out at 75c. and $1. 5-in. and 6-in. pots of Begonia Glory of Cincinnati were on sale in many of the stores and sold rapidly at from $1 to $1.50 each. There were more good Azaleas offered this season than can be remembered; they sold readily at from $1 to $3, according to size. Considerable Holly was handled, far above the average in quality, with excellent foliage and ample berries, which made it move at prices above those usually prevailing. Good Mistletoe was rather scarce, except in small sprays as offered by street venders. Crowfoot, owing to the deep snow, was not abundant and sold at prices considerably above normal.

The general tendency in window decorations was toward baskets of pot plants trimmed with red ribbons and, like unto Easter, the demand was for plants that could be sold at from $1 to $1.50 each over the retail counter.

The Gude Bros Co. had a large and very fine lot of home grown Azaleas, many of which were, in color, a bright scarlet, which made them sell well. Their American Beauty Roses were also up to their usual standard of quality, and all were sold.

Leapley & Myer say the season exceeded their brightest expectations. They cleaned up everything by Saturday evening, including a large lot of natural and artificial wreaths. In the latter, wreaths of crescent shape, filled with Roses, Carnations and Sweet Peas proved leaders. They had also a large sale on pot plants.

The Washington Florists' Co. had its usual good window displays, the best being of Araucarias trimmed with red bows, stock which sold out; and an enormous quantity of wreaths at from $1.50 to $3 each was also closed out.

The Exchange reports having done three times the business of last year. There will be a meeting on the night of January 4 for the annual election of officers.

F. H. Kramer says business was the best he ever had at this season, and that even with his largely augmented force customers had to wait.

W. Marche had a window of Poinsettias and one of Azaleas in baskets, and, on the street, stands with wreaths, all of which were cleaned out.

J. H. Small & Sons had a fine window of Azaleas, Poinsettias and fancy Peppers, with baskets of cut Cattleyas.

Geo. C. Shaffer had two attractive windows of baskets of potted plants and cut stock, and a large assortment of Christmas trees.

Z. D. Blackistone had a handsome window of Glory of Cincinnati Begonias, with pots of the same in hampers and suspended by pink ribbons from a ceiling, in Autumn leaf effect, with miniature lights. His 14th st. window was of Azaleas, Poinsettias, and Ardisias, trimmed with Holly and red Ruscus.

Alex. S. Sawyer, formerly manager of the 14th st. conservatory of the Washington Floral Co., is now with F. H. Kramer.

JAS. L. CARBERY.



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Scotch Soot adds color to the bloom Drives slugs and worms out of the soil. Should be used by all good growers.

100 lbs. $2.50; 500 lbs. $11.25; 1000 lbs. $20.00.



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Savannah, Ga.

The florists of this city have had a good season thus far, the automobile races, followed by the two days' festivities incident to the unveiling of the Oglethorpe Memorial, having caused an unusual demand for flowers, and as Savannah is benefiting largely by the wave of prosperity which the high price of cotton has sent over the entire South, the holiday trade promised to be liberal. Growers here are well prepared to take care of the increased trade excepting in Carnations. Late arrivals of plants, and their generally inferior quality, have made the crop of Carnations late, and thus far light, still there is a fair supply of home grown stock. Roses are showing up well and a considerable wholesale business is done in them, also in Valley.

A. C. Oelschig & Sons grow a large variety of flowers and plants in their large establishment on the Thunderbolt road. This establishment is uptodate in its equipment and ably conducted, and the firm's store on Bull st., the fashionable thoroughfare, makes a fine showing of the products.

A. W. Richardson, while not a newcomer, having been here for twenty years, is comparatively new in the floral line. He came from New England and was one of the pioneers in market gardening in the early years when Savannah products were the first to appear in Northern markets. Of recent years, however, the competition of Florida products has forestalled the business of growers farther north, and as this enterprising Yankee could not be content with a business which did not show an increasing volume and profit yearly, he put up additional houses and took up flower growing, in which he has been remarkably successful. His My Maryland Roses are particularly fine. He has a new store on Bull st., occupying a prominent corner opposite the De Soto Hotel. The location permits of a fine display, the entire front on both streets being of plate glass. The interior, of immaculate white, lighted at night by half a hundred electrics, shows an abundant and most artistic display of flowers and ornamental plants, which halts nearly everyone of the passing throng.

John Wolf has a fine range of houses, devoted chiefly to Roses and Carnations, and does a large wholesale business in cut flowers, the high quality of his product and the integrity of his dealings being spoken of by the trade wherever he ships. He also has a store on Bull st. for the retail trade.

W. B. C.

DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.



	Diam.	Each	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	65.00
C	13¼ "	.85	9.35	75.00
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Three largest sizes have handles

Special PAIL TUBS.

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The Trouble Man's Boss Talks About New Years And A Calendar He Wants You To Have

WHEN you were a kid did you have a kind old aunty, who used to look over her spectacles at you in a very solemn way, on New Year Day, and after making you feel that you had been the worst boy in the neighborhood for the past year, then asked if you weren't going to turn over a new leaf for the New Year? And of course, you always were!

But now since you and I have grown up we know that turning over a new leaf is all very well—but much depends on what's on the leaf. If I had my way about it, would see that every florist, gardener and superintendent in these entire United States had a Calendar hanging up in his work room or office, that every time an old month was torn from it, the new one would shout —"*Get in Line—build Hitchings & Co. Iron Frome Houses. They will Save Money for you and They will Make Money for you.*" That's what I call turning over a new leaf that would be worth while.

That's the way I would have printed up our 1911 Calendar for you, but our advertising man said: "What you want is a swell looking calendar. Something that you would take delight in hanging up in the best room in your house." He had his way, and I must admit that the calendar is a fine one. In fact, it is unusually fine. Once you get it, you will want to hang it up, all right. It is the kind you keep and wish you had another to give your neighbor. We mailed several thousand of them day before yesterday. We tried to remember all our friends, but you know how sometimes you miss just the person you wanted most to remember.

If you didn't get one of these calendars, let us know at once.

Then when you want anything in the Greenhouse line, let us know that at once, too.

HITCHINGS & CO.
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ALL SIZES
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10 Desbrosses St., New York

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Providence, R. I.

The severe rainstorm on Saturday was a severe blow to the retail florists of this city as the prospects were bright for a good clean up previous to the storm. Much stock remained unsold which would have been disposed of had the weather been more favorable. The Christmas greens went fairly well on the bridge, notwithstanding the severe storm, which was the worst this city has seen in many moons, leaving us a green Christmas. The dry goods stores, as well as the florists, were among the losers, much shopping that was put off until the last day being left undone. It is the policy of many people not to do today what can be put off until tomorrow.

Immortelles cleaned up very nicely, also the better class of pot plants, which were in abundance at the retail florist shops, all having an excellent supply.

J. F. Wood of Westminster st. had an elegant supply of novelties, including baskets of Boxwood and Immortelles. Mr. Wood is always on top and had as heavy a Christmas business as he has ever experienced. Notwithstanding the weather, Sunday, December 25, was an excellent day and many took advantage of same, which helped in the wind up of the Christmas trade.

It is reported that John Sharkey, mgr. of Elmwood Nurseries, is improving from the shock he received several weeks ago and that if present conditions continue he will be on his job again when the Spring planting opens; we wish him a Happy New Year.

At the recent meeting of the Florists and Gardeners' Club of R. I., resolutions were ordered drafted and a copy of same sent to his family on the death of our brother florist, Wm. Appleton.

A. Holscher, Johnston, R. I., expects to build several new houses this Spring, having recently purchased several hundred boxes of glass.

W. S. Pino, seedsman, 41 Washington st., reports good business in Immortelles, Galax, Ferns, Magnolias, etc.

Mr. Lawton of Fall River, Mass., Peter S. Byrnes of Wickford, R. I.; Wm. Crompton, East Greenwich, R. I.; Wm. B. King, Apponaug, R. I., and Jas. F. Mulcahy, representing N. F. McCarthy & Co. of Boston, were in town recently.

Fred Covile, mgr. for Shepard & Co.'s florist department, reports best business at Christmas time of any previous season. Roses, Carnations and Violets were in excellent demand. Cyclamen, Azaleas, Begonias and Poinsettias were among the principal pot plants. Fancy basket trade came to the front in fine condition, especially the novelties of Boxwood baskets filled with Immortelles. Boxwood sales are becoming more and more general each season; notwithstanding the inclemency of the weather business was good and stock cleaned up beyond expectation.

T. O'Conner of Blackstone blvd. reports best Christmas trade in years; stock cleaned up very good. Roses were the leaders in sales, prices of same ranging from $3 to $6 per doz. American Beauty, $24 per doz. Carnations, $1.50 to $2 per doz. Violets, $2.50 per 100. Gardenias, $1 each. Orchids, $1.50 each. Upward of 800 Cyclamen were sold which ranged in price from $1.50 to $8 each; fine specimen plants sold exceptionally well. Poinsettias in 6 in., 8 in. and 10 in. pans, ranged from $2.50 to $8 each.

Fancy baskets and boxes were in good demand and prices of same varied according to size and general make-up from $3 to $18 each. The general trade was better than expected.

F. Macrea & Sons of Smith st. report business for Christmas fine; their principal cut flowers were Carnations and Roses.

Johnston Bros. had a fine trade for Christmas. They had an immense stock of fancy wreaths, designs and potted plants, all of which were cleaned up to good advantage. Roses, Carnations and Violets were the main cut flowers sold.

Macnair, florist, reports business, on the whole, very satisfactory; Azaleas sold fine, Begonias and Poinsettias sold slow. Potted Sword Ferns were good sellers.

Some of the growers who held Carnations at $6 to $8 per 100 were glad to take $4 Saturday night.

Burke & Burns Rose Co., report satisfactory trade, cleaning up stock in good shape at fair prices. H. C. N.

Worcester, Mass.

The report of Worcester retailers is that the holiday trade was very good; some claim it surpassed their expectations, while others say the storm of Saturday caused it to fall short in all departments. During the week, however, quantities of potted plants were disposed of. The majority of dealers report flowering plants as the best sellers, with Lorraine Begonias, Mme. Petrick Azaleas, and Poinsettias in the lead. The demand for cut stock was good, and generally there was sufficient to supply the trade, but it was a season of novelties and plants rather than one of cut flowers.

The Boxwood, Holly and red Immortelles novelties went particularly well, and were used in churches, hotels and homes. The demand for fancy baskets was limited, only a small number being designed for the holiday trade. The Birch bark baskets filled with Ferns and Immortelles with wide red ribbon bows, and handles were favorites with Worcester people. It was to the Boxwood

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and Holly bells, balls and wreaths that the most time was given, for as soon as they were made they were sold. Green goods in all branches, from trees to wreaths were in great demand. Evergreen and Laurel ropes for churches and halls were sold in abundance. The cut flower demand was for Roses, Sweet Peas, Orchids, Violets and Carnations. Carnations were scarce, but with the other flowers to fill in with the trade was supplied and the shortage caused no serious loss. "All cleaned out!" was heard from several of the dealers yesterday.

The appearance of the shops on Tuesday morning verified the statement that the season was a good one, for where quantities of flowering plants stood was then bare space.

C. D. Mackie had a fine sale on Begonias, Poinsettias and Azaleas with cut stock a close second. Baskets of small Ferns and of Poinsettias received much call in this shop. F. A. Mathaus reports a fine holiday trade, with the usual flowering plants as the best sellers. The demand for cut stock was good and holiday novelties went well. Littlefield did a great business in all branches, the Birch bark baskets, potted plants and Boxwood novelties being in the lead. Cut flowers, with Roses, Lilies, Carnations and Violets as the principal supply kept the large force of workers busy. W. E. Draper reports a good trade with a slight falling off on Saturday during the storm. H. F. A. Lange's shop was busy night and day, filling orders in all departments. The holiday trade here was excellent, with plenty of stock. Here as elsewhere potted plants were in great demand.

L. C. Midgley of the Worcester Conservatories reports prices higher than usual, and the season a good one. They cut about 12,000 Carnations in six days, which quantitiy was less than last year. The Roses at the conservatories are coming along nicely and a large cut at New Year's is expected. The H. F. Midgley flower shop presented a busy scene night and day. Mr. Midgley is fast pushing ahead as a retailer and in a short time has taken his place among the first florists of the city. Novelties went particularly well, with flowering plants second. His church work was artistic and received many compliments. Mr. Midgley is the youngest retailer in Worcester and his progress is being watched with interest.

The engagement of James Edwin Draper, manager of the Draper Nurseries, to Miss Mary Elizabeth Allen was recently announced. Mr. Draper is doing well in the nursery business, established years ago by his father, James Draper.

Green goods men throughout the city report a nice holiday trade and all are pleased to have disposed of all or nearly all of their stock. E. D.

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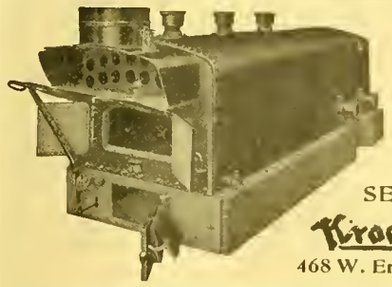

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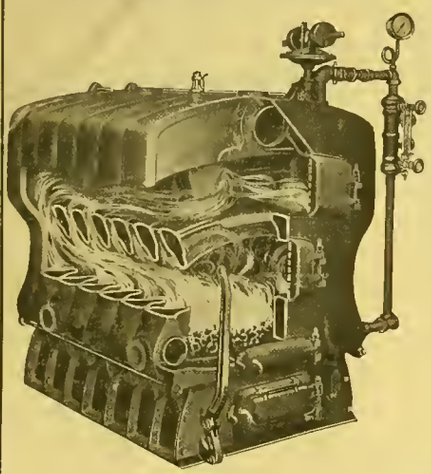

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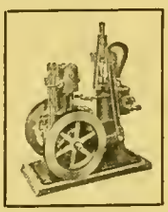

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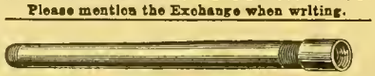

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